



Environmental Monitoring Report

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Semestral Report: April 2024 – September 2024
December 2024

India: Rajasthan Secondary Towns Development Sector Project

Part 1 of 4: Main Report (Pages 1-206) and Appendix 1

Prepared by Rajasthan Urban Drinking Water Sewerage and Infrastructure Corporation Limited,
Government of Rajasthan for the Asian Development Bank (ADB).

Asian Development Bank

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Semi-Annual Environmental Monitoring Report

**PROJECT NO: 42267-031
Loan No.: 3972-IND**

SFG Log: 6396

India: Rajasthan Secondary Towns Development Sector Project (RSTDSP)

Reporting Period: April 2024 to September 2024

**Rajasthan Urban Drinking Water, Sewerage and Infrastructure
Corporation- External Aided Project (RUDSICO-EAP)**

{Erstwhile Rajasthan Urban Infrastructure Development Program (RUIDP)}

Prepared by: Local Self Government Department, Govt. of Rajasthan

ABBREVIATIONS

ACM	–	Asbestos Containing Materials
ADB	–	Asian Development Bank
CMSC	–	Construction Management and Supervision Consultant
CPCB	–	Central Pollution Control Board
CTE	–	Consent to Establish
CTO	–	Consent to Operate
DI	–	Ductile Iron (Pipe)
DWC	–	Double Walled Corrugated (Pipe)
EA	–	Executing Agency
EHS	–	Environmental Health & Safety
EMP	–	Environmental Management Plan;
ESS	–	Environmental Safeguard Specialist
FSSM	–	Faecal Sludge and Septage Management
FSTP	–	Faecal Sludge Treatment Plant
GoR	–	Government of Rajasthan
HDPE	–	High Density Poly Ethylene
IA	–	Implementing Agency
IEC	–	Information, Education and Communication
IEE	–	Initial Environmental Examination;
KLD	–	Kilolitre/Day
LSGD	–	Local Self Government Department
MLD	–	Million Liters per Day
NOC	–	No Objection Certificate
NTP	–	Notice to Proceed
PCC	–	Plain Cement Concrete
PHED	–	Public Health Engineering Department
PIU	–	Project Implementation Unit;
PMCBC	–	Project Management and Capacity Building Consultant
PMU	–	Project Management Unit
PO	–	Project Officer
RoW	–	Right of Way
RPCB/RSPCB	–	Rajasthan State Pollution Control Board
RSTDSP	–	Rajasthan Secondary Towns Development Sector Project
RUIDP	–	Rajasthan Urban Infrastructure Development Project
(RUDSICO-EAP)	–	Rajasthan Urban Drinking Water, Sewerage And Infrastructure Corporation- External Aided Project
SEMP	–	Site Specific Environment Management Plans
SIP	–	Service Improvement Plan
SBR	–	Sequential Batch Reactor
SPM	–	Suspended Particulate Matters
SPS (ADB)	–	Safeguard Policy Statement, 2009
SPS	–	Sewage Pumping Station
SSO	–	Safeguard and Safety Officer
STP	–	Sewage Treatment Plant
ULB	–	Urban Local Body
WTP	–	Water Treatment Plant

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Executive Summary

1. Rajasthan Secondary Towns Development Sector Project (RSTDSP), the fourth phase of investment projects financed by Asian Development Bank (ADB) and implemented by the Rajasthan Urban Drinking Water Sewerage and Infrastructure Corporation Limited (RUDSICO), previously known as Rajasthan Urban Infrastructure Development Project (RUIDP). RSTDSP will support the ongoing efforts of the Government of Rajasthan towards improving the water and wastewater services in about 14 towns.¹ RSTDSP seeks to improve water supply and sewerage (WSS) services in secondary towns with populations between 20,000-115,000 through a sector loan modality. The project is aligned with the following impact(s): (i) access to potable, affordable, reliable, equitable, and environmentally sustainable drinking water supply in all urban areas of Rajasthan improved; and (ii) health status of urban population, especially the poor and underprivileged improved. The policy-based loan will provide financial support to the state government to implement reforms and the project loan will introduce innovations in water supply and wastewater management, such as continuous pressurised water supply, and long-term O&M (10 years) embedded construction contracts for nonrevenue water (NRW) reduction and sustainability of operations, latest standards of treatment of wastewater and reuse of treated effluent etc.
2. The desired output of this sector project are: 1) Water supply infrastructure in project towns improved with climate-resilient and inclusive features. By 2027, 2) Sanitation systems in project towns improved with climate-resilient, cost-effective and inclusive features.² By 2027, 3) Institutional and human capacities strengthened for service improvements, gender equality and sustainability.
3. As per preliminary examination and scope of works impact assessment for all the subprojects has been done and no significant impacts are envisaged as per ADB SPS 2009 and therefore all the subprojects under RSTDSP are categorized in Environmental Category B and Initial Environmental Examinations (IEEs) are prepared for all the subprojects accordingly. Environmental management and monitoring plan has been prepared for all the sub projects and included in respective draft IEEs and attached with bid documents of the contracts. Draft IEEs have been updated as per change in scope of works or change in locations; and submitted to ADB for approval.

¹ The project towns under consideration for the sector loan are: Abu Road, Banswara, Didwana, Fatehpur, Khetri, Kuchaman, Ladnu, Laxmangarh, Makrana, Mandawa, Pratapgarh, Ratangarh, Sardarshahar and Sirohi. Out of these towns, Khetri and Mandawa are heritage towns.

² Climate resilient and inclusive features included are: improvements in the distribution system to reduce losses; rainfall water harvesting; energy-efficient pumps; solar panels at project facilities; pressure control mechanisms in the water system to help avoid losses through pipe bursts; and wastewater reuse for productive uses.

4. This Semi-Annual Environmental Monitoring Report for the period April 2024 to September 2024; analyses the project performance in respect to environmental safeguards and documents/monitors compliance status with National/ State/ Local Statutory Environmental Requirements along with compliance to approved IEE and EMPs as per ADB SPS 2009.

5. Up to September 2024, contracts for all 14 project towns have been awarded (Ratangarh, Laxmangarh and Fatehpur under single contract as package, no. RSTDIP/RTG-FTP-LXG/01, Sardarshahar – package no. RSTDIP/SRD/01, Abu Road and Sirohi under single contract as package no. RSTDIP/SHR-ABR/01, Pratapgarh; package no. RSTDIP/PRT/01, Banswara; package no. RSTDIP/BNS/04, Khetri; package no. RSTDIP/KTR/03, Mandawa; package no. RSTDIP/MDW/03, Kuchaman; package no. RSTDIP/KMN/02, Didwana, Makrana and Ladnu under single contract as package no. RSTDIP/LDN-DID-MKN/01. Work has started in all 14 towns (Ratangarh, Laxmangarh, Fatehpur, Sardarshahar, Abu Road, Sirohi, Pratapgarh, Banswara, Khetri, Mandawa, Kuchaman, Ladnu, Makrana and Didwana).

6. **FSSM works:** Contract for Faecal Sludge and Septage Management (FSSM) subproject has been awarded for one package of four towns, namely, Bandikui, Shahpura, Neem ka Thana and Jobner to M/s Genius-LNA JV and another combined FSSM package of 9 towns, namely, Bari, Deeg, Pilibanga-Suratgarh, Shahpura- Bhilwara, Bhinder-Kanor, Gangapur, Bhawani Mandi, Dausa and Tijara to M/s MTS-EIEPL JV. Contractor is mobilized in the both packages of FSTP towns and a physical progress of about 71% (for one package of four towns) and 54% (for one package of nine towns) has been achieved up to the reporting period and major work undertaken during the reporting period being construction of boundary wall of FSTPs.

7. IEEs of all 14 project towns have been approved by ADB. IEEs were further updated due to amendments in project scope or location and submitted to ADB, approved by ADB and uploaded on ADB and RUDSICO_EAP portals. However, the Service Improvement Plan (SIP) for the all subproject towns is approved and IEE of all 14 subproject towns Ratangarh, Laxmangarh, Fatehpur, Sardarshahar, Abu Road, Sirohi, Pratapgarh, Banswara, Kuchaman, Ladnu, Didwana, Makrana, Mandawa & Khetri are updated as per approved SIP scope and updated IEEs are approved by ADB and uploaded on ADB and RUDSICO_EAP portals.

8. During this reporting period, orientations for environmental safeguard requirements were done in 4 towns, namely Abu Road, Sirohi, Ratangarh, Ladnu, Makrana, Mandawa & Khetri by CMSC-1&2 Environmental Safeguard Professional and Safeguard Support staff. Participants in these orientation programs were PIU, contractors staff, Municipal officials CMSC engineers and supervisors. Onsite trainings were also conducted in Abu Road, Sirohi, Ratangarh, Ladnu, Makrana, Mandawa & Khetri Towns at different work sites to contractors' site supervisors, labours and operators.

9. Contractors have submitted the Site-Specific Environment Management Plans (SEMP) in pre-construction phase of each sub project towns, which are approved and being followed in construction works. These SEMP also include Solid Waste and Spoil Management Plan, Traffic

Management Plan, Health and Safety Plans, Workers camps plans, COVID-19 prevention and control plan, Asbestos Management Plan etc.

10. Sufficient staffs in PMU, PIUs, consultants (PMCBC/CMSC) and contractor are mobilized as suggested in EARF for the effective implementation and monitoring of compliance of EMP and ADB SPS.

11. Periodical monitoring is being conducted by environmental professional/safeguard support of CMSC1 & 2 through site visits which includes public consultations, consultations with labors and contractors' staff, verification of documents and environmental monitoring for ambient air, ambient noise, water quality and soil quality analysis through third party monitoring agencies.

12. In compliance to country's legal requirements for STPs, WTPs & FSTPs; Consent to Establish (CTE) is being obtained from Rajasthan State Pollution Control Board (RSPCB) in all project towns. There are total 19 STPs and 3 WTPs proposed for new construction in all 14 towns (Trenche-I Subprojects) and CTE for all of them is obtained till this reporting period and CTO will be obtained prior to commissioning of plants. Up to September 2024, total 22 applications for CTEs for STPs and WTPs were submitted out of which 22 CTEs have been issued by RSPCB. There are existing 3 STPs proposed for upgradation and 2 WTPs proposed for rehabilitation; which will require consent to establish and consent to operate. Consent to Establish has been obtained from Rajasthan State Pollution Control Board for 3 STPs proposed for upgradation and 2 WTPs proposed for rehabilitation also. CTO of Ratangarh, Fatehpur, Sirohi & Pratapgarh towns are already obtained and CTO for STPs at Abu Road, Sirohi and Mandawa towns are applied to RSPCB during this reporting period.

13. CTE for recently awarded FSTP packages includes construction of 13 FSTPs under 2 clusters (Trenche-I Saving subprojects). Of these two clusters, one cluster consists 4 towns namely Bandikui, Neem ka thaana, Shahpura(Bhilwaara) and Jobner and other cluster consist 9 towns namely Bari, Deeg, Pilibanga-Suratgarh, Shahpura- Bhilwara, Bhinder-Kanor, Gangapur, Bhawani Mandi, Dausa and Tijara. CTE for these FSTPs will be required to obtain prior to construction. CTEs for 13 new FSTP will be applied before start of construction works. CTE for Dausa, Neem Ka Thana, Bari, Jobner, Bandi Kui, Deeg, Bhawani Mandi, Bhinder-Kanode & Tijara FSTPs are obtained and for CTEs are also obtained for Shahpura (Bhilwara), Gangapur (Bhilwara) & Pilibanga-Suratgarhare during this reporting period.

14. Under the prevailing conditions of COVID-19 pandemic in Rajasthan, RUIDP issued guidelines for COVID-19 to all contractors, in line with guidelines issued by Union and State governments. All contractors also prepared Standard Operating Procedures (SOPs) for COVID-19 and are implementing all the mitigation measures as required and instructed by State Government, Union Ministry of Health and Family Welfare and RUIDP.

15. This semi-annual environmental monitoring report presents progress of works, status of compliance of environmental safeguards requirements including legal compliance, EHS management at project sites and current practices at sites. The project (RSTDSP) is compliant with all the environmental statutory provisions of the Governments (National and Rajasthan) as well as ADB SPS 2009.

Semi-Annual Environmental Monitoring Report (April 2024 to September 2024)

1. INTRODUCTION

1. **Project Description:** Rajasthan Secondary Towns Development Sector Project (RSTDSP), the fourth phase of investment projects financed by Asian Development Bank (ADB) and implemented by the Rajasthan Urban Drinking Water Sewerage and Infrastructure Corporation Limited- External Aided Projects (RUDSICO-EAP)), previously known as Rajasthan Urban Infrastructure Development Project (RUIDP). RSTDSP will support the ongoing efforts of the Government of Rajasthan towards improving the water and wastewater services in about 14 towns.³ RSTDSP seeks to improve water supply and sewerage (WSS) services in secondary towns with populations between 20,000-115,000 through a sector loan modality. The project is aligned with the following impact(s): (i) access to potable, affordable, reliable, equitable, and environmentally sustainable drinking water supply in all urban areas of Rajasthan improved; and (ii) health status of urban population, especially the poor and under-privileged improved. The project will have the following outcome: quality, reliability, equity and sustainability of WSS services in project towns of Rajasthan improved. The investments in WSS with 10-year O&M contracts, coupled with institutional strengthening of Rajasthan Urban Drinking Water, Sewerage and Infrastructure Corporation Limited (RUDSICO) and ULBs in district headquarters, heritage towns and other market centers are expected to ensure operational sustainability and improve quality of life in project towns, including for the poor and vulnerable. The project is also expected to build resilience of communities to manage health pandemics.

2. The loan will provide financial support to the state government to implement reforms and the project loan will introduce innovations in water supply and wastewater management, such as continuous pressurised water supply, and long-term O&M (10 years) embedded construction contracts for nonrevenue water (NRW) reduction and sustainability of operations, latest standards of treatment of wastewater and reuse of treated effluent etc.

³ The project towns under consideration for the sector loan are: Abu Road, Banswara, Didwana, Fatehpur, Khetri, Kuchaman, Ladnu, Laxmangarh, Makrana, Mandawa, Pratapgarh, Ratangarh, Sardarshahar and Sirohi. Of these towns, Khetri and Mandawa are heritage towns.

3. **Project Outputs:** The project will have three outputs-

Output 1: Water supply system in at least eight project towns improved. By 2027, at least eight project towns with approximately 100,000 households will have 5 (3 new and 2 rehabilitated) water treatment plants (WTPs) and 1,350 km distribution networks to provide safer, more reliable and more equitable water supply services. The systems are designed for 24-hour supply and expected to provide 24-hour supply most of the time, except during prolonged dry spells; and GOR is continuously working to augment its water supply. Water safety plans will be implemented to ensure potable water at all times, including during intermittent supply. Distribution networks follow a district metered area approach allowing the network to be hydraulically isolated so water losses can be more easily identified and resolved and nonrevenue water (NRW) targets met; and so pressures can be managed for equitable distribution. All households will have a water meter allowing for volumetric billing. The water supply improvements are expected to benefit all, including the urban poor, by reducing water collection time from other sources, which may be costly or unhygienic; and by minimizing earning losses from missed work due to waterborne diseases.

Output 2: Sanitation system in at least 13 project towns developed or improved. By 2027, at least 13 towns with approximately 103,000 households will have 19 sewage and 1 fecal sludge treatment plants, 1,300 km sewer networks, and desludging trucks for city-wide inclusive sanitation (CWIS) through a combination of onsite and sewerage solutions ensuring that everybody, including the urban poor, benefits from the improved services, better health and a cleaner and more hygienic environment. The approach is cost-effective as it (i) limits sewers to core areas with outer areas served through organized desludging and safe transportation and treatment of sludge; and (ii) prioritizes the rehabilitation of STPs to meet current effluent standards over construction of new assets. Household sewer connections are included, including for poor households living in sewered zones. As a climate adaptation measure, project consultants will provide support to ULBs in at least 5 project areas to identify users and structure agreements for wastewater reuse.

Output 3: Institutional and human capacities strengthened for sustainable service delivery, gender equality and improved public health. By 2027, the project will have strengthened the capacity and ensured readiness of project ULBs to manage water supply and/or sanitation services and recover O&M costs. The project will strengthen the skills of at least 500 staff and 500 elected representatives of 14 project ULBs in contract management to monitor contractor's performance and service levels; construct or improve an office space for new WSS divisions, and

develop ULBs' standard operating procedures for O&M. A data platform with supervisory control and data acquisition (SCADA) and geographic information system (GIS) will be established in each of the 14 project ULBs to support decision-making and efficient service delivery. The project includes capacity strengthening of RUDSICO by making its financial management system certified by an accredited institution. To promote gender equity and community awareness, the project includes an internship program in RUDSICO so that at least 500 college-age women to gain professional experience in a technical field with broader objective.

4. **Environmental category of the sub-projects:** As per preliminary examination and scope of works; impact assessment for all the subprojects has been done and no major significant impacts are envisaged as per ADB SPS 2009 and therefore all the subprojects under RSTDSP are categorized in Environmental Category B and Initial Environmental Examinations (IEEs) are prepared for all the subprojects accordingly. As per national environmental categorization (EIA Notification 2006) none of the subproject activities comes under Category A or Category B, therefore Environmental Impact Assessment or Environmental Clearance is not required for any of the subprojects under RSTDSP.

5. **Details of site personnel and/or consultants responsible for environmental management:** Out of fourteen project towns (with 09 packages), contract for all 14 sub-projects are awarded and civil work are undergoing in all towns. Necessary Orientation of the PIU, Consultants and Contractor staff is done by Social and environmental experts of PMCBC (assisted by safeguard support staff) and regular monitoring is being conducted by PIU and CMSC team at site. However, to facilitate day to day monitoring, all PIUs have one nominated engineer as Safeguard and Safety Officer (SSO), who is responsible to coordinate for Safeguard activities in their respective towns. SSO, PIU ensures day to day monitoring of implementation and coordinates with PIU, CMSC/PMCBC Social/ Environmental Expert and Contractor for effective safeguard implementation. SSO is also responsible at town level to ensure that all the Grievances received are resolved as per Grievance Redress Mechanism (GRM) prescribed in IEE/RP & EARF/RF. Contractors of each town have also deputed one EHS officer to implement the mitigation measures as per EHS requirements in their respective towns.

6. Details of personnel responsible for safeguard implementation and monitoring at different levels are given in following **Table-1**.

Table -1: Details of personnel responsible for environmental monitoring**A. PMU, PMCBC, CMSC and PIUs level**

Name of Official	Location	Designation	Contact Details
PMU & PMCBC at Jaipur			
Ms. Poornima Mahlawat	PMU, Jaipur	Project Officer (Env)	7665112361
Mr. Ankit Kumar Chaudhary	PMU, Jaipur	Assist.Project Officer (Env)	9460036504
Dr. Surendra Nagdali	PMCBC, Jaipur	Environment Safeguard Specialist, PMCBC	Email: snagdali@yahoo.com Mob.-7678358158
Mr. Mohammada Saakira	PMCBC, Jaipur	Safeguard Support-Environment -1, PMCBC	Email: msaakira88@gmail.com Mobile: 8209120205
PIU Zonal Offices- Jodhpur and Jaipur			
Dr. Mahavir Prasad Saini	CMSC-2 Jodhpur	Environmental Safeguard Professional, CMSC-2	Email: enviro.cmssc2@gmail.com Mob. -9509557249
Mr. Vardan Srivastava	CMSC-1, Jaipur	Environmental Safeguard Professional, CMSC-1	Email: env.cmssc01@gmail.com Mob. - 9410085379
Mr. Mani Sharma	CMSC-1, Jaipur	Environmental Safeguard Support, CMSC-1	Mob- 8360043214 Email: mani.kumar@haskoningindia.co.in
Mr. Mayank Vyas	CMSC-2 Jodhpur	Environmental Safeguard Support, CMSC-2	Mob- 88905 64911
PIUs and CMSCs at towns			
Mr. Surendra Godra, J.E.	PIU, Laxmangarh	SSO, PIU, Laxmangarh	9667518549
Mr. Om Prakash Bairwa	PIU, Ratangarh	SSO, PIU, Ratangarh	8949818985
Mr. Manoj Mittal, E.E.	PIU, Sardarshahar	SSO, PIU, Sardarshahar	8112206994
Mr Pradip Meena	PIU, Fatehpur	SSO, PIU, Fatehpur	9460297637
Mr. Ashok Kadwasara	PIU, Sirohi	SSO, PIU, Sirohi	9929355255
Mr. Sunil Bishnoi	PIU, Abu Road	SSO, PIU, Abu Road	9783767531
Mr. Ashok Kumar	PIU, Banswara	SSO, PIU, Banswara	7976371932
Mr. Madan Lohar	PIU, Pratapgarh	SSO, PIU, Pratapgarh	8949383811
Ms. Pratibha	PIU, Kuchaman	SSO, PIU, Kuchaman	7568327377
Mr Mohd Riyaj Ahamad	PIU, Ladnun	SSO, PIU, Ladnun	8955410563
Mr. Rameshwar Jat	PIU, Didwana	SSO, PIU, Didwana	9024094065
Mr. Shrikant Yadav	PIU, Makrana	SSO, PIU, Makrana	8005828897
Ms. Sanju Pooniya	PIU, Mandawa	SSO, PIU, Mandawa	7726032018
Ms. Sanju Pooniya	PIU, Khetri	SSO, PIU, Khetri	7726032018

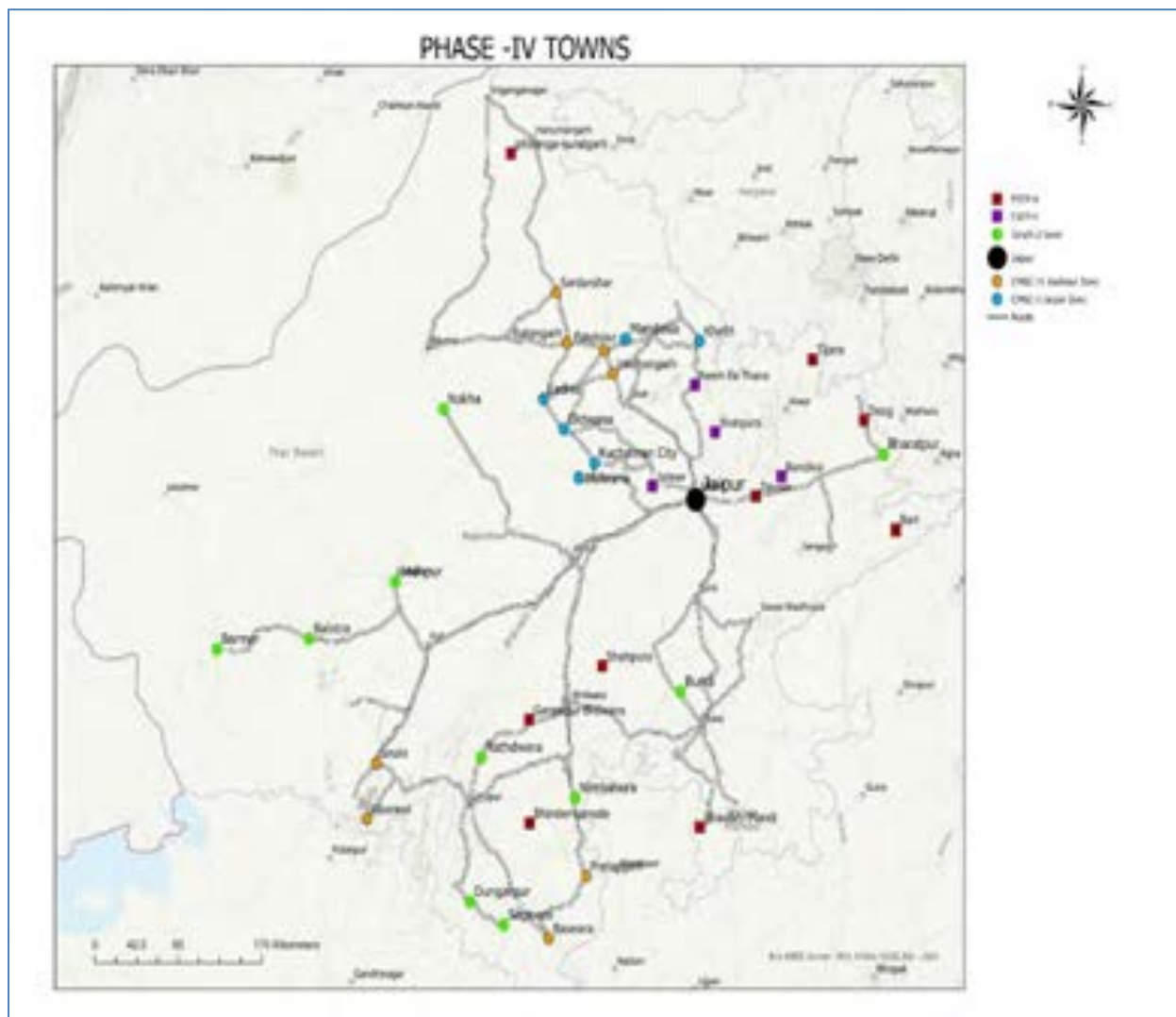
Mr. Ugrasen Kumar	Ratangarh/Laxmangarh/Sardarshahar/Fatehpur	Safeguard Support Environment CMSC-2	8687429952
Mr. Amit Kumar Chauhan	Abu Road/ Sirohi	Safeguard Support Environment CMSC-2	7683044085
Mr. Yogesh Atreya	Mandawa Town	Gender, Social & Environmental Safeguards Support Staff, CMSC-I	9460126777
Mr. Bhajan Lal Meena	Kuchaman Town	Gender, Social & Environmental Safeguards Support Staff, CMSC-I	8003939456
Mr. Ravi Kumar Verma left the project on dated 13.01.2024 Mr. Nawal Kushwah joined the project on dated 01.02.2024	Ladnu Town	Gender, Social & Environmental Safeguards Support Staff, CMSC-I	9982602361
Mohd Naazir joined the project on dated 15.03.2024	Makrana Town	Gender, Social & Environmental Safeguards Support Staff, CMSC-I	8769965519

B. Contractors' EHS personals

S No.	Town	Name of EHS Engineer	Contract Details	Contractors' Firm
CMSC-II Towns				
1.	Sardarshahar	Mr. Rakesh Sahu	9439466674	Larsen &Toubro Ltd.
2.	Ratangarh	Mr. Rakesh Sahu (Additional Charge)	9439466674	Larsen & Toubro Ltd.
3.	Fatehpur	Mr. Rakesh Sahu (Additional Charge)	9439466674	Larsen & Toubro Ltd.
4.	Laxmangarh	Mr. Rakesh Sahu (Additional Charge)	9439466674	Larsen & Toubro Ltd.
5.	Abu Road	Mr. Monuj Saikia	9894813736	Larsen & Toubro Ltd.
6.	Sirohi	Mr. Vaishnav Nair Joined project on dated 01.07.2024	8848680109	Larsen & Toubro Ltd.
7.	Pratapgarh	Mr. Ashutosh Kumar	8861200971	Khiladi Infra Projects Ltd
8.	Banswara	Mr. Ashish Bhadoriya	8700797673	BIPL-SC-HP Joint Venture
CMSC-I Towns				
9.	Kuchaman	Mr. Anurag Behrwal	9119104582	M/s Larsen &Toubro Ltd.
10.	Ladnun	Mr. Jeevan Kumar	9446224558	M/s Larsen & Toubro Ltd.
11.	Didwana	Mr. Jeevan Kumar	9446224558	M/s Larsen & Toubro Ltd.
12.	Makrana	Mr. Jeevan Kumar	9446224558	M/s Larsen & Toubro Ltd.
13.	Mandawa	Mr. Manoj Kumar Joya	9785868515	M/s L N Agarwal
14.	Khetri	Mr. Raj Kapoor Meena	9166949686	M/s Lahoty

7. **Description of sub-projects:** Under RUIDP Phase-IV, Trench-I, there are 14 subproject towns (Abu Road, Banswara, Didwana, Fatehpur, Khetri, Kuchaman, Ladnu, Laxmangarh, Makrana, Mandawa, Pratapgarh, Ratangarh, Sardarshahar and Sirohi) are selected under this loan. There are total 9 package in 14 project towns under Trench-I. There are 13 FSTP towns under Trench-I saving subprojects namely, Bandikui, Neem ka thana, Shahpura (Bhilwara), Jobner, Bari, Deeg, Pilibanga-Suratgarh, Shahpura- Bhilwara, Bhinder-Kanor, Gangapur, Bhawani Mandi, Dausa and Tijara. There are two FSTP works packages of 4 and 9 towns each in Trench –I, Saving subprojects. Location of all project towns in Rajasthan State map is shown in Figure 1.

Figure 1: Sub-project Locations in Rajasthan State Map



8. Sub-projects along with Contract Cost are described in the Table-2 below-

Table -2: Description of sub-projects under RSTDSP (Project no. 42267-031)

S No.	Town	Package No.	Name of Contractor	NTP Date	Contract Cost (INR)	Contract Cost (US\$) *	Description of works
1	Ratangarh	RSTDIP/RTG-FTP-LXG/01	M/s Larsen & Toubro Limited	15.6.2020	182,44,31,237.0	240,11,108.26	Construction of Sewer Network with House sewer connections; Construction of Sewage Treatment Plant & Sewage Pumping Station; Allied works and operation services of the system for 10 Years
2	Laxmangarh		M/s Larsen & Toubro Limited	15.6.2020	49,45,94,511.0	650,92,95.66	Construction of Works of Water Supply Distribution Network Improvements with House service connections for non revenue water reduction; Continuous pressurized water supply and operation services of the entire system for 10 years
3	Fatehpur		M/s Larsen & Toubro Limited	15.6.2020	114,89,74,252.0	151,21,504.49	Construction of Sewer Network with House sewer connections; Construction of Sewage Treatment Plant & Sewage Pumping Station; Allied works and operation services of the system for 10 Years
4	Sardarshahar	RSTDIP/SRD/01	M/s Larsen & Toubro Limited	15.6.2020	196,70,00,000.0	258,87,437.68	Design and construction works of water supply and providing sewer network with house sewer connection along with construction of Sewage Treatment Plant & Sewerage Pumping Station; all allied works and operation services of the entire system for 10 years
5	Abu Road	RSTDIP/S HR-ABR/01	M/s Larsen & Toubro Limited	18.6.2020	263,77,98,830.0	345,87,823.18	Construction works of water Supply production; Distribution Network improvements with house services connections for non-revenue water reduction and continuous water supply and providing Sewer network with house sewer connections; Construction of Sewage Treatment Plant and all allied works and operation services of the entire system for 10 years

S No.	Town	Package No.	Name of Contractor	NTP Date	Contract Cost (INR)	Contract Cost (US\$) *	Description of works
6	Sirohi		M/s Larsen & Toubro Limited	18.6.2020	213,92,01,170.0	280,50,020.71	Construction works of water Supply production; Distribution Network improvements with house services connections for non-revenue water reduction and continuous water supply and providing Sewer network with house sewer connections; Construction of Sewage Treatment Plant and all allied works and operation services of the entire system for 10 years
7	Pratapgarh	RSTDIP/RT/01	M/s. Khilari Infrastructure Pvt. Ltd.	28.10.2020	190,60,00,255.0	257,45,696.51	Construction of Sewerage System including sewerage network, Sewage Treatment Plant, sewage pumping station and house sewer connection along with all allied works and operation services of the entire system for 10 years
8	Banswara	RSTDIP/BNS/04	M/s. BIPL-SC-HP Joint Venture	11.02.2021	320,74,60,597.0	435,81,759.39	Construction Works of Water Supply production and Distribution Network improvements with house services connections for non-revenue water reduction and continuous water supply and providing Sewer network with house sewer connections along with construction of Sewage Treatment Plant & Sewerage Pumping Station and all allied works and operation services of entire system for 10 years
9	Khetri	RSTDIP/KTR/03	M/s. Lahoty-LNA (JV)	20.03.2021	79,63,81,137.50	109,93,392.45	Construction works of Water Supply Production and Distribution Network Improvements with house service connections for nonrevenue water reduction and continuous water supply and Providing Sewer Network with House connections, and construction of Sewage Treatment Plant and all allied Works and operation services of the entire system for 10 years

S No.	Town	Package No.	Name of Contractor	NTP Date	Contract Cost (INR)	Contract Cost (US\$) *	Description of works
10	Mandawa	RSTDIP/MDW/03	M/s. LNA-R & B (JV), Jaipur	08.03.2021	106,12,15,221.40	14,502,032.35	Construction Works of Water Supply production and distribution network Improvements with house service connections for nonrevenue water reduction and continuous water supply and Providing Sewer Network with House connections, and construction of Sewage Treatment Plant, Sewage Pumping Station and all allied Works and operation services of the entire system for 10 years at Mandawa (Jhunjhunu)
11	Kuchaman	RSTDIP/KMN/02	M/s Larsen & Toubro Limited,	05.05.2021	313,93,75,000.0	42,458,412.22	Construction Works of Water Supply Production and Distribution Network Improvements with house service connections for nonrevenue water reduction and continuous water supply and Providing Sewer Network with House sewer connections, and construction of Sewage Treatment Plant & Sewage Pumping Station and all allied Works and operation services of the entire system for 10 years at Kuchaman (Nagaur)
12	Didwana	RSTDIP/LDN-DID-MKN/01	M/s Larsen & Toubro Limited,	05.05.2021	87,39,66,167.0	11,819,457.78	Construction Works of Sewer Network with House sewer connections, and construction of Sewage Treatment Plant & Sewage Pumping Station and allied Works and operation services of the entire system for 10 years at Didwana (Nagaur)
13	Makrana		M/s Larsen & Toubro Limited,	05.05.2021	142,98,18,867.0	19,336,771.12	Construction Works of Sewer Network with House sewer connections, and construction of Sewage Treatment Plant & Sewage Pumping Station and allied Works and operation services of the entire system for 10 years at Makrana (Nagaur)

S No.	Town	Package No.	Name of Contractor	NTP Date	Contract Cost (INR)	Contract Cost (US\$) *	Description of works
14	Ladnu		M/s Larsen & Toubro Limited,	05.05.2021	174,40,93,122.0	23,586,994.33	Construction Works of Sewer Network with House sewer connections, and construction of Sewage Treatment Plant and all allied Works and operation services of the entire system for 10 years at Ladnun (Nagaur)
Trenche-I Saving Subprojects under RSTDSP							
1	Combined package of four towns- Bandikui, Neem ka Thana, Shahpura and Jobner	RSTDSP/ NKT-SHR-BAN-JOB/01	M/s Genius-LNA JV	21.06.2022	15,72,57,783.0	20,12,809.44	Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years operation and maintenance at Neem Ka Thana, Shahpura (Jaipur), Bandikui, Jobner Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging.
2	Combined package of 9 towns, Bari, Tijara, Dausa, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani Mandi, Pilibanga-Suratgarh	RSTDSP/ FSTP-9 Towns/03	M/s MTS-EIEPL JV	11.11.2022	463457750	57,46,702.32	Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years operation and maintenance at Bari, Tijara, Dausa, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani Mandi, Pilibanga-Suratgarh

* Calculated on the basis of US\$ rate on the date of Notice to Proceed of concerned contracts

9. **Overall status of sub-projects and cumulative progress of works:** Contracts are awarded for 14 project towns in (Ratangarh, Laxmangarh and Fatehpur under single contract as package, no. RSTDIP/RTG-FTP-LXG/01, Sardarshahar– package no. RSTDIP/SRD/01, Abu Road and Sirohi under single contract as package no. RSTDIP/SHR-ABR/01, Pratapgarh; package no. RSTDIP/PRT/01, Banswara; package no. RSTDIP/BNS/04, Khetri; package no. RSTDIP/KTR/03, Mandawa; package no. RSTDIP/MDW/03, Kuchaman; package no. RSTDIP/KMN/02, Didwana, Makrana and Ladnu under single contract as package no. RSTDIP/LDN-DID-MKN/01. Work has started in all 14 towns (Ratangarh, Laxmangarh, Fatehpur, Sardarshahar, Abu Road, Sirohi, Pratapgarh, Banswara, Khetri, Mandawa, Kuchaman, Ladnu, Makrana and Didwana). Overall status of the project and work progress is given in following **Table 3 & 4**

Table 3: Overall status of sub-projects (up to 30.09.2024)

S. No	Sub-Project Towns and Package Number	Status of Sub-Project				Type of Works*	Progress of Works**
		Design	Pre-Construction	Construction	Operation Phase		
1	Laxmangarh-RSTDIP/RTG-FTP-LXG/01				✓	Water Supply	100%
2	Pratapgarh-RSTDIP/PRT/01				✓	Sewerage System	100%
3	Ratangarh- RSTDIP/RTG-FTP-LXG/01			✓		Sewerage System	82.0%
4	Fatehpur- RSTDIP/RTG-FTP-LXG/01				✓	Sewerage System	100%
5	Sardarshahar-RSTDIP/SRD/01			✓		Sewerage System, Water Supply & Rehabilitation	71%
6	Abu Road- RSTDIP/SHR-ABR/01			✓		Sewerage System, Water Supply & Rehabilitation	86.0%
7	Sirohi- RSTDIP/SHR-ABR/01			✓		Sewerage System, Water Supply & Rehabilitation	89 %
8	Banswara-RSTDIP/BNS/04			✓		Sewerage System, Water Supply & Rehabilitation	92 %
9	Kuchaman-RSTDIP/KMN/02			✓		Sewerage System, Water Supply & Rehabilitation	76.4%
10	Didwana- RSTDIP/LDN-DID-MKN/01			✓		Sewerage System	83.5 %
11	Ladnu- RSTDIP/LDN-DID-MKN/01			✓		Sewerage System	82.1 %
12	Makrana RSTDIP/LDN-DID-MKN/01			✓		Sewerage System	88.8 %
13	Khetri- RSTDIP/KTR/03			✓		Sewerage System, Water Supply & Rehabilitation	65 %
14	Mandawa-RSTDIP/MDW/03			✓		Sewerage System, Water Supply & Rehabilitation	89.5 %
Trenche-I Saving Subprojects under RSTDSP							
1	Combind package of four towns -Bandikui, Neem ka Thana, Shahpura and Jobner			✓		Faecal Sludge and Septage Management (FSSM)	71%
2	Combined package of 9 towns, Bari, Tijara, Dausa, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani Mandi, Pilibanga-Suratgarh			✓		Faecal Sludge and Septage Management (FSSM)	54%

* For details of proposed works refer Table 4, **As per P1 format received from respective town PIU

Table 4: Cumulative Progress of Works up to 30.09.2024**Town: Laxmangarh**

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/RTG-FTP-LXG/01 Works under package- Construction Works of Water Supply Distribution Network Improvements with House service connections for non-revenue water reduction; Continuous pressurized water supply and operation services of the entire system for 10 years at Laxmangarh (Sikar) Name of Contractor- M/s- Larsen& Toubro Limited Contract type- Design, Build and Operate Date of Start- 22.06.2020 Cumulative Physical Progress- 100 % Stipulated Date of completion of Design Build- 21.06.2023	Water Supply:			
	Item	Scope of work	SIP Scope	Progress
	CWR	100 KL at AEn Campus	100 KL at AEn Campus	100 % work completed.
		250 KL at Bad ke Balaji	250 KL at Bad ke Balaji	100 % work completed.
	Distribution Network	150.303 km	160.64 km	100 % Completed
	House Service Connection up to meter	12200 Nos	9007 nos	8840 Nos completed. Work under progress as charges deposit receipts received from consumer.
	Chlorination Rooms	02 nos	02 nos	• Bad Ke Balaji H/W: 100% work completed. • AEn Campus H/W: 100% work completed.
	Metering	EMFM -16		• Supply: 0 Nos. • Installation: 0 Nos • Testing: NIL • Commissioning : NIL
		BFM -31		• Supply: 0 Nos. • Installation: 0 Nos • Testing: NIL • Commissioning : NIL
	Pressure Transmitters	55 Nos.		• Supply: 0 Nos. • Installation: 0 Nos • Testing: NIL • Commissioning : NIL
	No. of DMAs	14 Nos.	14	-
	For Road Cutting & Restoration-			
	Road cutting	Road restoration Base Layer		Road restoration Top Layer
	• Kuccha: -93.11Km • CC- 72.93 Km • BT- 1.80 Km - Total -167.84 km	• Kuccha: - 93.11 Km • PCC- 72.93 Km • BT-1.80 Km - Total – 167.84 km		• Kuccha: - 93.11 Km • CC- 72.93 Km • BT- 1.80 Km • Total - 167.84 km
	Building and Miscellaneous work			
	Item Description		Scope of Work	Progress made so far
	CRMC Building opp to EE office		1 nos.	100 % work completed.
	CRMC Building at AEn office		1 nos.	100 % work completed.
	MCC		1 Nos	100 % work completed.
	Refurbishment Work:			
	Pump House	02 no's	100 % work completed.	
	Tube well	34 no's	100 % work completed.	
	OHSR	08 no's	100 % work completed.	

Town: Pratapgarh

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/PRT/01 Works under package- Construction Works of Providing Sewer Network with House sewer connections along with construction of Sewage Treatment Plant & Sewage pumping Station and all allied Work and operation services of the entire system for 10 years at Pratapgarh town Name of Contractor- Khilari Infrastructure PVT.LTD. Contract type- Design, Build and Operate Date of Start- 02.11.2020 Cumulative Physical Progress- 100 % Stipulated Date of completion - 01.11.2024 Handed Over to Municipal Cooperation (Nagar Parishad), Pratapgarh on dated 19.07.2024	Wastewater			
	Item	BOQ Scope	SIP Scope	Progress
	STP (1 nos.)	7 MLD	7 MLD	100 % completed
	MWP	0.1 MLD	0.1 MLD	100 % completed
	SPS	7 MLD	7 MLD	100 % completed
	Lateral Sewer (up to dia 315)	87.830 Km	108.005 km	Progress – 100% a) Supply: 108.005 Km b) Laid: -108.005 Km c) Testing: 108.005 Km e) Commissioning: 108.005 Km
	Outfall (above dia 315)	3.33 Km	3.049 KM	Progress – 100% a) Supply: 3.049 Km b) Laid: -3.049 Km c) Testing: 3.049 Km d) Commissioning: 3.049 Km
	DI K-7 Nala Crossing and MS Pipe carrier	0.246 Km	1.026 km	Progress – 100% a) Supply: 1.026 km b) Laid: -1.026 km c) Testing: 1.026 km d) Commissioning: 1.026 Km
	PVC-U Pipe (110 & 160 mm dia)	108 KM	76.172 km	a) Supply: 76.322 Km b) Laid: -75.617 km c) Testing: 75.617 km d) Commissioning: 75.617 Km
	Manholes (All types)	6884 Nos.	6615 Nos	a) Supply (P1, P2, P3): 4701nos b) Installation: 6615 Nos. c) Testing: 6615 Nos. d) Commissioning: 6615
	Inspection Chamber (All types)	10800 Nos.	10273 Nos	a) Supply: 10223 nos. b) Installation: -10184 nos. c) Testing: 10184 Nos. d) Commissioning: 10184
	House Sewer connection	11100	11418	10426 Nos. (Feasible HSC – 10426 Nos.)
	FSM			Total municipal wards 40 Ward. Total FSM coverage population is 4.18 % Co-treatment provision FSSM collected sludge shall be treated at STP.

Contract description	Cumulative Progress of works up to 30.09.2024			
	For Road Cutting & Restoration-			
	Item Description	Scope of Work	SIP Scope	Progress made so far
	Road Cutting	a) CC: 29.6 Km b) BT: 64.2 Km c) Kuchha/WMM: 8.8 Km	a) CC: 51 Km b) BT: 58 Km c) Kuchha/WMM: 8.3 Km	• CC-47.183 Km • BT-45.138 Km • Kuccha -13.477 Km • Interlock tiles: 1.162 km
	Road Restoration	a) CC: 29.6 Km b) BT: 64.2 Km c) Kuchha/WMM: 8.8 Km	a) CC: 51 Km b) BT: 58 Km c) Kuchha/WMM: 8.3 Km	• CC:47.183 km (up to PCC), 47.183 km (up to CC) • BT:45.138 km (up to WMM), 45.138 km (up to BT) • Kuccha-13.477 Km • Interlock tiles-1.162 km
	Balance Road Restoration			CC -0 Km BT -0 Km Kuchha - 0 Km
	Building and Miscellaneous work			
	Item Description	Scope of Work	SIP Scope	Progress made so far
	CRMC Building-1	1	1	100 % work completed
	CRMC Building -2	1	1	100 % work completed
	CCC Building	0	0	-
	MCC Building	2	2	Including STP & SPS
	PLC SCADA	2	2	Including STP & SPS
	Trenchless Work			
	HDPE Pipes/DI K7	8.950 km	4.090 km	a) Supply: 4.090 km b) Laid: -4.090 km c) Testing: 4.090 km d)Commissioning: 4.090 Km
	RCC Pipes (600 to 765MM)	0.245 km	0.0 km	a) Supply: 0.0 Km b) Laid: - 0.0 Km c) Testing: NIL d) Commissioning: NIL
	MS Pipes	NIL	206.20 Meter	a) Supply:206.2 Meter b) Laid: - 206.2 Meter c) Testing: 206.2 Meter d)Commissioning:206.2 Meter

Town: Ratangarh

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/RTG-FTP-LXG/01 Works under package- Construction Works of Providing Sewer Network with House sewer connections along with construction of Sewage Treatment Plant & Sewage pumping Station and all allied Work and operation services of the entire system for 10 years at Ratangarh (Churu). Name of Contractor- M/s-Larsen & Toubro Limited Contract type- Design, Build and Operate Date of Start- 22.06.2020 Cumulative Physical Progress- 82 % (Previous) Stipulated Date of completion of Design Build- 21.06.2023 Likely Date of completion- 31.12.2024	Sewerage Work:			
	Item	BOQ Scope	SIP Scope	Progress
	STP (2 No.)	STP-1 6.1 MLD at Gaushala	STP-1 6.1 MLD at Gaushala (76.13%) physical progress)	• SBR: Civil work and hydro testing completed. Decanter installed, diffuser installation work is under progress. • PTU: Civil work completed. EMI Status: All EMI are procured and installed. • Admin Building: Finishing work under progress. EMI status: Volute press installed. Chlorination tank procured but yet to be installed. • TEER: - Hydro test Completed. Panting work completed. EMI status: Installation of Pumps is in progress. • MPS: Civil work completed. EMI status: DI pipes and Pumps work under progress. Installation of Panel and ISMB Completed. • EMI work: Diffuser, pump for SBR & TEER, Sluice gates, are procured. Blower, Grit Separator, Fine Screen, Decanter, LT Panel are installed. Gate & Blower pipeline work completed. PLC & one Transformer Received at Site and SCADA, another Transformer & DG yet to received. Electrical cable work under progress.
		STP -2 3.8 MLD	STP -2 3.8 MLD (95%) Near NH-11	• 3.80 MLD STP – STP in use. • E&M work: EMI completed. PLC SCADA under commissioning.
	SPS (2 No.)	SPS -1 3.8 MLD BSNL Office	SPS -1 3.8 MLD BSNL Office (94.75%)	• 3.80 MLD SPS- SPS in use. • EM work: EMI completed. PLC SCADA under trail run.
		SPS -2 4.6 MLD near Main Ginani	SPS -2 4.6 MLD near Main Ginani	• SUMP: Civil and Mechanical work completed. • Metering Room: Finishing work is in progress. • Guard Room: Finishing Work is in progress.

Contract description	Cumulative Progress of works up to 30.09.2024			
			(74.80 % Physical progress)	• EMI Work: DG and Transformer are procured & installed. Gates, Screen, Pump, MCC Panel are installed and pipeline work completed. PLC Received at Site and SCADA yet to received
	Lateral sewer (up to dia 300)	147.14 Km	129.0 KM	Progress – 99.58% • Supply: 129.0 Km • Laid: - 128.46Km • Testing: 127.50 Km • Deflection Test: 127.50 Km • Commissioning:35.42 Km
	Outfall RCC Pipe	1.82 Km	1.82 KM	• Supply: -Nil • Laid: -Nil
	PVC-U pipe(110 & 160 mm dia)	91.50	91.50 KM	• Progress – 75.93% • Supply: -70.59km • Laid: - 53.60km • Testing: 53.60 Km • Commissioning:20.26 Km
	Manholes (all Types)	10173 nos.	9158 Nos. (As per site 5626 Nos.)	• Progress – 97.12% • Shallow Manhole installation: 4025 Nos. • Testing: 4002 Nos. • Commissioning: 1454 Nos. • Supply for precast Manhole: 1601 Nos. • Installation: 1439 Nos. • Testing: 1407 Nos. • Commissioning: 721 Nos. • Only 162 Nos. MH is balance as per site.
	Inspection Chamber (A types)	14300 Nos	11355 Nos. (As per site 10620 Nos.)	• Progress – 93.05% • Supply: - 10337 Nos. • Installation: - 9892 Nos. • Testing: 9813 Nos. • Commissioning: 3858 Nos. • Only 738 Nos. IC is balance as per site.

Contract description	Cumulative Progress of works up to 30.09.2024			
	HDPE pipe (PE100, PN 6) Trenchless	11.71 Km	14.63 Km	• Progress – 97.09% • Supply: 14.264 Km • Laid: 14.20 Km • Testing: 12.75 Km • Commissioning: 6.50 Km
	DI K-9 Pipes (Pumping Main)	3.50 Km	3.50 Km	• Progress – 87.4% • Supply: 3.327 Km • Laid: 3.06 Km • Hydro Testing: 2.06 Km • Commissioning: 2.06 Km
	House Sewer Connection	13100 Nos.	13100 Nos.	• Installation: 4370 Nos. • Testing: 4370 Nos. • Commissioning: 3825 Nos
	For Road Cutting & Restoration-			
	Road cutting	Road restoration		Balance Road restoration
	• CC: - 37.889 • BT- 63.177 Km • Interlock -15.478 Km • Kaccha: - 13.739 km	• CC: - 37.839 Km • BT- 62.647 Km • Interlock –15.438 Km • Kaccha: - 13.739 km		• CC: - 0.5 Km • BT- 0.530 Km • Interlock –0.04 Km • Kaccha: - 0.0 km
	Building and Miscellaneous work			
	Item Description	Scope of Work	Progress made so far	
	CRMC Building	2 Nos. (Near Nagar Palika & Ginani)	CRMC-1 (Nagar Palika): - Work Completed and office furniture and other accessories to be procured. CRMC-2: Finishing work is in progress. Partition wall is pending and office furniture and other accessories to be procured.	
	DCI Status:	177 Nos	All drawing are approved.	

Town: Fatehpur

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/RTG-FTP-LXG/01 Works under package- Construction works of Sewer Network with House sewer connections; Construction of Sewage Treatment Plant & Sewage Pumping Station; Allied works and operation services of the system for 10 Years at Fatehpur (Sikar) Name of Contractor- M/s- Larsen & Toubro Limited Contract type- Design, Build and Operate Date of Start- 22.06.2020 Cumulative Physical Progress- 100% Stipulated Date of completion of Design Build- 21.06.2023 Likely date of completion: 30.06.2024	Sewerage Work:			
	Item	Scope of work	SIP Scope	Progress
	STP (1 No.)	4.3 MLD at Nari Bari Road in existing STP Campus	Same as Scope of work	100 % completed
	MPS	MPS for 4.3 MLD STP (Nari Bari Village Road in Existing STP Campus)	Same as Scope of work	MPS: - Civil work completed. Mechanical work is in under progress. DG/Transformer:- Civil work completed.
	SPS (3 No.)	3.5 MLD near dholi Sati Temple	Same as Scope of work	100% completed
		0.60 MLD, (Near Aksha Masjid:- Zone-2) Khasra no. 982, National Highway no. 52, Jahanghir ki kui	Same as Scope of work	100% completed
		1.1 MLD Near Railway underpass Nawalgarh road-Zone-1 (Khasra no. 1806)	Same as Scope of work	100% completed
	Lateral sewer (upto dia 250 mm)	93.494 Km	88.50 Km	a) Supply: 88.50 Km b) Laid: - 88.50 Km c) Testing: 88.50 Km d) Commissioning: 88.50 Km
	Outfall (above dia 315)	1.533 KM	1.500 Km	a) Supply: NIL b) Laid: -NIL c) Testing: NIL d) Commissioning: Nil
	PVC-U pipe (110 & 160 mm dia)	66 KM	47.19 Km	a) Supply: 47.19 Km b) Laid: - 47.19 Km c) Testing: 47.19 Km d) Commissioning: 47.19 Km
	Manholes (All types)	7478 Nos	4751 Nos.	a) Supply (RCC MH):3871No. b) Installation (All Types) – 4751 Nos. c) Testing: 4751 Nos. d) Commissioning: 4751 Nos
	Inspection Chamber (A types)	6600 Nos	2809 Nos.	a) Supply (RCC MH):2809No. b) Installation (All Types) – 2809 Nos. c) Testing: 2809 Nos. d) Commissioning: 2809 Nos
	Population Benefitted due to commissioned	60000	60000	-
	House Sewer Connection	5600 Nos.	5850 Nos.	As per SIP there are 6484 Nos. but as per site condition only feasible connection are 5850 Nos. they are completed

Contract description	Cumulative Progress of works up to 30.09.2024			
				now there is no balance connection.
	FSM			• Total ward: 40 • 30.78 % under network • Out of 40 wards 13 ward have low density. Total 10.59 % coverage under FSSM. Co-treatment in sewerage treatment plant.
	For Road Cutting & Restoration-			
	Road cutting	Road restoration Base Layer	Road restoration Top Layer	
	• Kuccha: 49.3 Km • CC –35.70 Km • BT – 3.50 Km • Interlock– 0.00 Km Total: - 88.50 Km	• Kuccha: 49.3 Km • CC –35.70 Km • BT –3.50 Km • Interlock– 0.00 Km Total: - 88.50 Km	• Kuccha: 49.3 Km • CC –35.70 Km • BT – 3.50 Km • Interlock– 0.00 Km Total: - 88.50 Km	
	Building and Miscellaneous work			
	Item Description	Scope of Work	SIP Scope	Progress made so far
	CRMC Building	1 Nos. (Nagar Palika)	Same as Scope of work	100 % work completed.
	Trenchless Work			
	Item Description	Scope of Work	SIP Scope	Progress made so far
HDPE Pipe	10.24 Km	15.09 m	a) Supply: 15.09 Km b) Laid: - 15.09 Km c) Testing: 15.09 Km d) Commissioning: 15.09 Km	
DI Pipe	5.95 Km	3.67 Km	a) Supply: 3.67 Km b) Laid: - 3.67 Km c) Testing: 3.67 Km d) Commissioning: 3.67 Km	

Town: Sardarshahar

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/SRD/01 Works under package- Construction Works of Water Supply Production and Distribution Network Improvements with house service connections for nonrevenue water reduction and continuous water supply and providing sewer network with house sewer connections along with construction of Sewage Treatment Plant & Sewerage Pumping Station; all allied works and operation services of the entire system for 10 years at Sardarshahar (Churu). Name of Contractor- M/s-Larsen& Toubro Limited Contract type- Design, Build and Operate Date of Start- 22.06.2020 Cumulative Physical Progress- 71 % Stipulated Date of completion of Design Build- 21.06.2023 Likely Date of Completion: - 30.11.2024	Water Supply:			
	Item	BOQ Scope	SIP Scope	Progress
	Total Distribution Network	200.39 km	273.51 km	
	HDPE Pipe (75mm to 315mm) (180mm)	190.01 Km	261.53 Km	a) Supply: -261.53 b) Laid: - 255.93 c) Testing: - 228.24 d) Commissioning: - Nil
	DI Pipe K7 (100mm to 400mm)	10.379 km	11.981 Km	e) Supply: - 11.08 km f) Laid: - 5.42 km g) Hydro Testing: - 3.48 km h) Commissioning: -NIL
	DI Pipe K9	2.100 Km	6.100 km	a) Supply: - 6.10 km b) Laid: - 2.94 km c) Hydro Testing: - 0.70 Km d) Commissioning: - NIL
	House Service Connection	22000 Nos	22907 Nos.	a) Laying/installation: - b) Laid: 15979 Nos.
	Domestic Water Meter (15mm,20mm & 25mm)	22000 Nos	22907 Nos.	a) Laying/installation: - b) Laid: 12453 Nos.
	Metering	EMFM-17 Nos	Equal to BOQ	a) Supply: 13 Nos. b) Installation: -NIL c) Testing: NIL d) Commissioning: NIL
		BFM- 51 Nos.	Equal to BOQ, Subject to change as per redesigning of Network	a) Supply: 51 Nos. b) Installation: -NIL c) Testing: NIL d) Commissioning: NIL
	Pressure Transmitters	85 Nos.	Equal to BOQ	a) Supply: 52 Nos. b) Installation: -NIL c) Testing: NIL d) Commissioning: NIL
	No. of DMAs	26 Nos.	26 Nos.	2 DMA Supply Started and balance in progress.
	RWR	-	-	-
	WTP	-	-	-
	Pump House	1 Nos. at PHED Campus	1 Nos. at PHED Campus	Step down arrangement for electric connection is pending at Jodhpur discom level.
	CWR	1 No. (2400 KL PHED Campus)	1 No. (2400 KL PHED Campus)	100 % Completed
	OHSR	-	-	-
	Rehab Work (WTP,PH,CWR,OH SR etc)	PH - 01 CWR - 01 OSHR - 04	PH - 01 CWR - 01 OSHR - 04	Work started in Surya Mandir OHSR and Bharodhan, OHSR.

Contract description	Cumulative Progress of works up to 30.09.2024			
	Population benefitted due to commissioned	1.09 lacs	1.09 Lacs	
	Wastewater			
	STP (03 Nos.)	3.4 MLD at North Campus	3.4 MLD at North Campus	Progress- 77.3% Civil work completed and EMI work under progress.
		2.3 MLD at South Campus	2.3 MLD at South Campus	Progress- 78.97% Civil work completed and EMI work under progress.
		1.6 MLD at Gandhi Vidhya Mandir Campus	1.6 MLD at Gandhi Vidhya Mandir Campus	Admin Block: - first floor roof slab work completed. Meter room: - civil work completed. SBR:- Outer, inner, centre wall concrete work completed. DG/TF/RMU foundation work completed. MPS: - sump well wall concrete work completed. PTU: - 12 nos column above plinth beam completed. TEER:- Column up to first bracing work completed
	MWPS 0.60 MWPS	1	1	All civil work completed.
	MWPS 0.65 MLD (Bikaner Road Near Sabji Mandi)	1 No. (0.65 MWPS)	1 No. (0.65 MWPS)	All civil work completed.
	SPS	2.3 MLD at Gaushala Land near BSNL Office	2.3 MLD at Gaushala Land near BSNL Office	Work completed.
	Lateral Sewer (up to dia 315) (200mm,250mm,300mm)	53.70 Km	50.50 Km	a) Supply: 50.50 km b) Laid: - 50.00 km c) Testing: - km d) Commissioning-NIL
				e)
				f)
	Outfall (350mm to 600mm)	4.222 Km	0.918	a) Supply: 0.500 km b) Laid: 0.298 km c) Testing: NIL d) Commissioning-NIL
	PVC-U Pipe (110 & 160 mm dia)	76 Km	51.02	a) Supply: - 48.29 km b) Laid: - 25.29 km c) Testing: NIL d) Commissioning: -NIL
	Manholes (All types)	4319 Nos.	2964 nos.	a) Supply: 2930 Nos b) Installation: - 2747 Nos c) Commissioning: - Nil
	Inspection Chamber (All types)	7600	7600 Nos.	a) Supply: 4377 Nos b) Installation: - 4111 Nos

Contract description	Cumulative Progress of works up to 30.09.2024			
				c) Testing: - NIL d) Commissioning: - NIL
	Population benefitted due to commissioned	1.09 lacs	1.09 lacs	-
	FSM			• Total ward: 40 • Out of 40 wards 9 wards have low density. Total 11.66 % coverage under FSSM. Co-treatment in sewerage treatment plant.
	For Road Cutting & Restoration-			
	Road cutting	Road restoration		Balance Road restoration
	• Kuccha: 90.507 Km • CC – 126.33 Km • BT- 15.12 Km • WMM – 23.98 Km • Interlock– 0.00 Km	• Kuccha: - 90.50 Km • CC – 125.03 Km • BT- 15.12 Km • WMM- 23.98 Km • Interlock – 0.00 Km		• Kuccha: - 0 Km • CC– 1.30 Km • BT- 0 Km • WMM- 0 Km • Interlock – 0 Km
	Building and Miscellaneous work			
	Item Description	Scope of Work	SIP Scope	Progress made so far
	CRMC -1	PHED Campus	PHED Campus	Civil work completed
	CRMC -2	AEn, PHED campus	AEn, PHED campus	Civil work completed. Finishing work in progress.
	CCC Building (1 No.)	PHED Campus	PHED Campus	Work completed.
	MCC Building (1 No.)	PHED Campus	PHED Campus	Civil work completed. SCADA installation under progress.
PLC SCADA	1 No.	1 No.		
Trenchless Work				
HDPE Pipe (250mm to 630mm)	11.866 Km	9.60	a) Supply: - 9.60 Km b) Laid: - 9.20 Km c) Testing: - Nil d) Commissioning: -Nil	
RCC Pipe (600mm)	Nil	0.42 Km	a) Supply: - 0.30 km b) Laid: - Nil c) Testing: - Nil	
MS Pipe (450mm to 500mm)	Nil	0.20 Km	a) Supply: - 0.14 km b) Laid: - 0.12 Km c) Testing – NIL d) Commissioning – NIL	

Town: Abu Road

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/SHR-ABR/01 Works under package- Construction works of water Supply production; Distribution Network improvements with house services connections for non-revenue water reduction and continuous water supply and providing Sewer network with house sewer connections; along with construction of Sewage Treatment Plant; all allied works and operation services of the entire system for 10 years at Abu Road Name of Contractor- M/s-Larsen& Toubro Limited Contract type- Design, Build and Operate Date of Start- 22.06.2020 Cumulative Physical Progress- 86.0% % Stipulated Date of completion of Design Build- 21.06.2024 Likely Date of Completion: - 20.12.2024	Water Supply			
	Item	BOQ Scope	SIP Scope	Progress
	HDPE Pipe	138.56 Km	138.56 Km	a) Supply: 138.56 Km b) Laid: -. 131.049 Km c) Testing: 112 km d) Commissioning: NIL
	DI Pipe K7	33.08 Km	18.154 km	a) Supply: 18.09 Km b) Laid: -17.786 km c) Testing: 13.4 km d) Commissioning: NIL
	DI Pipe K9 (Transmission Mains)	32.44Km	33.08 Km	a) Supply: - 29.35 Km b) Laid: - 24.953 Km c) Testing: 22 km d) Commissioning: NIL
	House Service Connection	12800 Nos	12924 Nos.	a) Laying/Installation:9102 Nos. b) Testing: NIL c) Commissioning: NIL
	Domestic Water Meter	12800 Nos	12924 Nos.	a) Supply: 11300 Nos. b) Laid: - 2300 Nos. c) Testing: NIL d) Commissioning: NIL
	Metering	EMFM-13 Nos	13 Nos.	a) Supply: 08 Nos. b) Laid: -01 Nos. c) Testing: NIL d) Commissioning: NIL
		BFM- 59 Nos.	59 Nos	a) Supply: 19 Nos. b) Installation: -NIL c) Testing: NIL d) Commissioning: NIL
	Pressure Transmitters	88 Nos.	88 Nos.	a) Supply: 52 Nos. b) Installation: -NIL c) Testing: NIL d) Commissioning: NIL
	No. of DMAs	20 Nos.	19 Nos.	
	RWR	-		-
	WTP 10 MLD	1 No	1 No.	• Clarifloculator- EMI completed, Finishing work in progress. • Chemical House: painting in progress, piping completed, Cabling done. • Admin Building: Electrification & Painting completed, PLC and Laboratory yet to install, Procurement completed. • Staff Quarters All civil work Completed, Final Finishing is in Progress. • Guard room metering room – Completed.
	Pump House	4 No	4 Nos.	Santpur, Luniyapura, Market Area and Housing Board
		Santpur	Santpur	Civil work Completed, Pump installed, Piping and Valve in process

Contract description	Cumulative Progress of works up to 30.09.2024			
		Luniyapura	Luniyapura	Pump, piping, valve, DG, Transformer , RMU installation Completed, EMI work like PT,EMFM completed.
		Market Area	Market Area	Top dome is in progress
		Housing Board	Housing Board	EMI work in progress, all procurement done.
	CWR	5 No.	5 Nos.	Santpur , Luniyapura, Market Area, Gandhinagar and Housing Board
		Luniyapura CWR	Luniyapura CWR	Civil completed, EMI completed, Hydro testing is in Progress.
		Santpur CWR	Santpur CWR	Civil completed, Piping completed, painting in Progress.
		Market Area CWR	Market Area CWR	Top dome is in progress
		Housing Board CWR	Housing Board CWR	Civil Work completed finishing work under progress, All EMI procurement done installing in progress.
		Gandhi Nagar CWR	Gandhi Nagar CWR	Civil Work completed finishing work under progress, All EMI procurement done yet to install
	Intake	1	1	Online application proceeds on dated 13.08.2021, Now the final proposal submitted to Nodal officer on dated 27.07.2022. Query raised by Nodal officer to DFO dated 23.08.22 and DFO replied the same on dated 28.08.2022, proposal accept & approved by Nodal officer Jaipur on Dated 13.09.2022 presently Stage-I Approval given by Regional Office on dated 11-07-23. Stage II in process
	FSM			Total FSM to be treated in 6.9 MLD STP.
	Tube Well		18	16 no bore well completed, 3 Nos Running in PHED existing system
	Wastewater			
	STP (02 Nos.)	6.9 MLD (Santpur)	6.9 MLD (Santpur)	SBR- Dry run completed trial run is in progress. PTU- Dry run completed trial run is in progress. Staff Quarter- All work Completed, AC installation pending. Admin Building- All work Completed, SCADA Installation completed. Guard Room & Metering Room- All EMI Completed. TEER- Hydro testing and painting in progress. MPS- Dry run completed trial run is in progress.
		2.3 MLD (Manpur)	2.3 MLD (Manpur)	SBR- Dry run completed trial run is in progress.

Contract description		Cumulative Progress of works up to 30.09.2024		
				PTU- Dry run completed trial run is in progress MPS- Dry run completed trial run is in progress Admin Building – All work Completed. Staff Quarter- All Work Completed, AC installation pending. Guard Room & Metering Room- All EMI Completed TEER- 3 rd brace beam in progress Retaining wall- Completed.
	DWC Pipes	82.39 Km	86.2 Km	a) Supply: 86.2 Km b) Laid: -83.4 Km c) Testing: 78 Km d) Commissioning: NIL
	RCC Pipes	1.59 Km	1.59 Km	a) Supply: 1.588 km b) Laid: - 1.588 km c) Testing: 1.108 km d) Commissioning: NIL
	PVC-U Pipe	130 Km	99.05 Km	a) Supply: 93.516 Km b) Laid: - 42.39 Km c) Testing: 37.02 Km d) Commissioning: NIL
	Manholes (All types)	5185 Nos.	4916 Nos.	a) Supply: 4567 nos. b) Installation: -4073 Nos. c) Testing: 3098 Nos. d) Commissioning: NIL
	Inspection Chamber (All types)	13000 Nos.	12924 Nos.	a) Supply: 9681 Nos. b) Installation: - 9669 Nos. c) Testing: 8092 nos. d) Commissioning: NIL
	Population benefitted due to commissioned	66016	66016	
For Road Cutting & Restoration-				
Item Description		Scope of Work	Progress made so far	
Road Cutting		95.35 Km	• Kuccha: - 9.3 Km • CC-77.187 Km • BT- 7.55 Km	
Road Restoration		95.35 Km	• Kuccha: -9.39 Km (Only Kuccha) • CC Km (up to PCC-76.8 km, Full CC-76.8 km • BT Km (up to WMM)-7.55 km	
Building and Miscellaneous work				
Item Description		Scope of Work	Progress made so far	
CRMC Building		1	Completed	
CCC Building		1	Completed	
MCC Building		1	Completed	
Trenchless Work				
HDPE Pipe		15.78 km	a) Supply: 15.78 Km b) Laid: - 15.289 Km c) Testing: 13.0 Km d) Commissioning: NIL	
MS Pipe		210 mtrs	a) Supply: NIL	

Contract description	Cumulative Progress of works up to 30.09.2024		
			b) Laid: - NIL c) Testing: NIL d) Commissioning: NIL

Town: Sirohi

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/SHR-ABR/01 Works under package- Construction works of water Supply production; Distribution Network improvements with house services connections for non-revenue water reduction and continuous water supply and providing Sewer network with house sewer connections; along with Construction of Sewage Treatment Plant and all allied works and operation services of the entire system for 10 years at Sirohi Name of Contractor- M/s-Larsen& Toubro Limited Contract type- Design, Build and Operate Date of Start- 22.06.2020 Cumulative Physical Progress- 89 % Stipulated Date of completion of Design Build- 21.06.2024 Likely Date of Completion: - 20.12.2024	Water Supply			
	Item	Scope of work	SIP Scope	Progress
	HDPE Pipe	118 Km	129.198 km	a) Supply: - 129.198 km b) Laid: 128.975 km c) Testing: - 126.700 km d) Commissioning:- 5.8 km
	DI Pipe K7	5.4 Km	5.257 km	a) Supply: - 5.257 km b) Laid: - 5.257 km c) Hydro Testing: - 3.389 km d) Commissioning:- Nil
	DI Pipe K9	36.76 Km (as per BOQ) Revised -29.92 Km	24.730 km	a) Supply: - 24.730 km b) Laid: - 24.680 km c) Hydro Testing: - 24.531 km d) Commissioning:- 24.531 km
	House Service Connection	8900 Nos	12428 Nos.	a) Laying/install: - 10776 nos b) Testing: - 1240 nos c) Commissioning:- 1240 Nos.
	Domestic Water Meter	8900 Nos	12428 Nos.	a) Supply: - 10776 Nos. b) Installation: - 5888 Nos. c) Testing: - 1240 Nos. d) Commissioning: - 1240 Nos.
	Metering	EMFM-10 Nos	EMFM- 10 Nos.	a) Supply: - 10 Nos. b) Installation: - 04 c) Testing: - Nil d) commissioning: - Nil
		BFM- 11 Nos.	BFM- 32 Nos	a) Supply: - 20 Nos. b) Installation: - 07 c) Testing: - Nil. d) commissioning: - Nil
	Pressure Transmitters	47 Nos.	51 Nos.	a) Supply: - 51 Nos. b) Installation: - Nil c) Testing: - Nil d) Commissioning: - Nil
	No. of DMAs	20 Nos. (with 7 Nos Zones)	-	2 DMA commissioned and 5 DMA under commissioning process.
	Intake	8.60 MLD Intake well at Angore	-	Approach bridge completed. MCC unit floor slab completed. Intake well 2nd lift completed further work hold due to heavy rain. MCC building slab shuttering under progress.(Ancillary unit)
	WTP	9 MLD WTP at Angore	-	Cascade Aerator completed. Staff quarter work completed, Filter house completed. Filter house roof slab completed. Sludge storage yard beam

Contract description	Cumulative Progress of works up to 30.09.2024			
				completed. Chemical house PACL storage wall Completed. chemical house brickwork in progress. Admin building completed. Clarifloculator civil work completed and hydro test completed. CWR civil work completed. Slab for Head room of chemical house completed. Filter House Annexure Building Roof Slab Completed. Back Wash Tank completed. Painting work progress. CWR hydro test work in completed. Cabling & earthing work completed.
	Pump House (3 Nos)	1. At Teen Batti 2. At Kalkaji 3. At Sardulpura	-	1. Ground floor slab completed. MCC Room column two lifts completed. further work in progress. Pump house plaster work in progress. 2. Roof slab under progress. Brick work under progress. 3. Pump house outer plastering work completed. Pump house painting work in progress. Flooring work under progress and EMI work completed.
	CWR	Existing CWR (3 Nos.) 1. 200 KL at Teen Batti 2. 567 KL at Kalkaji 3. 100 KL at Sardulpura	-	
		Proposed CWR (3 nos) 1. 470 KL at Teen Batti 2. 1450 KL at Kalkaji 3. 270 KL capacity at Sardulpura	-	• Teen Batti CWR-PH: - Hydro test completed. • Kalkaji CWR-PH: Hydro testing under progress. • Sardulpura CWR- PH: Hydro test in progress. EMI works in progress.
	GLSR	Existing GLSR (3 Nos.) 1. 567 KL at Tankariya on hillocks 2. 400 KL at Bhatakhera on hillocks 3. 200 KL at Bhatakhera hillocks	-	Comes under refurbishment plan and the works in progress
		Proposed GLSR	-	-

Contract description	Cumulative Progress of works up to 30.09.2024			
		1. 270 KL at Bhatakhera on hillocks 2. 580 KL at Tankeria on hillocks		
	Tube well & Open Well	1. 05 Nos of Existing Open Well 2. 07 Nos of Existing Tube Well	-	Civil work is completed. EMI under progress. Refurbishment work started for open wells and completed for 5 nos. and others are under progress. Pump procurecemrnt is under progress.
	OHSR	Existing OHSR 2 nos of existing OHSR to be used 1. 200 KL capacity existing OHSR at RHB 2. 270 KL capacity existing OHSR at Sardulpura	-	Comes under refurbishment plan and to be started.
		Proposed OHSRs	-	-
	Population benefitted due to commissioned	35000		-
	Wastewater			
	STP (2 nos.)	5 MLD	-	Commissioning in progress. Trial run Completed.
		1.7 MLD	-	Civil work completed.
	MPS	-	-	STP (5 MLD): MPS civil work completed. Hydro test completed. EMI Status: Completed STP (1.7 MLD): MPS civil work completed. Hydro test completed. EMI Status: Completed
	SPS	-	-	-
	Lateral Sewer (upto dia 315)	78.76 Km		a) Supply: 82.318 km b) Laid: 81.028* km (Included outfall 1.573 km) (2.95* km length is Included in this 80.678km however, this (2.95km) length has not been executed due to not feasibility or not required as per site condition.)

Contract description		Cumulative Progress of works up to 30.09.2024		
				c) Testing: 77.521 km d) Deflection test: 75.50 km e) Commissioning: 40.0105 Km
	Outfall (above dia 315)	3.9 Km	1.658 Km	a) Supply: - 1.658 km b) Laid: - 1.658 km c) Testing: - 1.502 km d) Commissioning:- Nil
	PVC-U Pipe (110 & 160 mm dia)	90 Km	—	a) Supply: - 78.35 km b) Laid: - 61.62 km c) Testing: - 49.200 km d) Commissioning:- 39.132 km
	Manholes (All types)	5990	4820 Nos.	a) Supply: - 4800 nos b) Installation: - 4236 nos (including shallow manholes) c) Testing: -3989 nos a) Commissioning:- 2203 Nos.
	Inspection Chamber (All types)	9000	11002 Nos	a) Supply: - 7293 nos b) Installation: - 6290 nos c) Testing: - 5750 nos d) Commissioning: - 4858 Nos.
	FSM		-----	c) Total municipal wards 25 nos. Out of 25, 7 wards having density less than 100 persons/ha. d) Total FSM coverage population is 18%. e) Co-treatment provision fecal waste will be collected by super sucker machine and will be treated in STP.
For Road Cutting & Restoration-				
Item Description		Scope of Work		Progress made so far
Road Cutting		Granular Course -31585 cum CC- 20,980 cum BT -3170 cum		Kachha/WMM: - 81.750 km CC:- 49.70 km BT:- 10.25 km
Road Restoration		Granular Course -31585 cum CC- 20,980 cum BT -3170 cum		a) CC: 49.60 Km (upto PCC); 49.60 Km (upto CC) b) BT:9.90 Km (upto WBM); 9.90 Km (upto BT) Kachha/WMM:- 81.750 km
Building and Miscellaneous work				
Item Description		Scope of Work	SIP Scope	Progress made so far
CRMC Building		1	-	CRMC building handed over to Municipal corporation of SIROHI
CCC Building		1	-	CCC building handed over to Municipal corporation of SIROHI
MCC Building		1	-	MCC building civil work completed.
PLC SCADA		-		-
Trenchless Work				

Contract description	Cumulative Progress of works up to 30.09.2024				
	HDPE Pipes	10.8 Km	9.59 km	A) Supply: - 10.700 Km B) Laid: - 10.405 Km (Length increased and included in SIP-2) C) Testing: - 8.386 Km D) Commissioning:-3.01 km	

Town: Banswara

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/BNS/04 Works under package- Construction Works of Water Supply Production and Distribution Network Improvements with house service connections for nonrevenue water supply and Providing Sewer Network with House sewer connections along with construction of Sewage Treatment Plant & Sewerage Pumping Station and all allied Works and operation services of the entire system for 10 years at Banswara. Name of Contractor- BIPL-SC-HP Joint Venture Contract type- Design, Build and Operate Date of Start- 15.02.2021 Cumulative Physical Progress- 92% Stipulated Date of completion - 14.02.2025	Water Supply			
	Item	Scope of work as per BOQ	SIP Scope	Progress
	Total distribution network	338.690 km	353.675 km	
	HDPE Pipe	43.220 km	57.612 km	a) Supply: - 57.613 km b) Laid: - 57.613 km c) Testing: - 57.613 km d) Commissioning: - 33.450 km
	DI Pipe K7	286.793 km	287.386 km	a) Supply: - 288.702 km b) Laid: - 288.702 km c) Hydro Testing: - 288.702 km d) Commissioning: - 170.890 km
	DI Pipe K9	8.677 km	8.677 km	a) Supply: - 10.783 km b) Laid: - 10.783 km c) Hydro Testing: - 10.783 km d) Commissioning: - 5.525 km
	House Service Connection	23600 Nos	24111 Nos	a) Laying/Installation: - 23948 Nos. b) Testing: - 18527 Nos. c) Commissioning: 14458 Nos.
	Domestic Water Meter	23600 Nos	24111 Nos.	a) Supply: - 21150 Nos. b) Installation: - 18876 Nos. c) Testing: - 14458 Nos.
	Metering	EMFM- 32 Nos	EMFM- 48 Nos	a) Supply: - 48 Nos. b) Installation: - NIL. c) Testing: NIL d) commissioning: - NIL
		BFM- 18 Nos.	BFM- 18 Nos.	a) Supply: NIL b) Installation: -NIL c) Testing: NIL d) Commissioning: NIL
	Pressure Transmitters	72 Nos.	72 Nos.	a) Supply: NIL b) Installation: -NIL c) Testing: NIL d) Commissioning: NIL
	No. of DMAs	28 Nos.	28 Nos.	Trial & run – 20 Nos. Under Progress – 8 Nos. (75% Completed)
	WTP	9.25 MLD (AEn Campus)	1 no.= 9.25 MLD (AEn Campus)	1. Clariflocculator 01-Completed 2. Clariflocculator 02- Completed 3. Admin Building -Completed

Likely date of completion 15-12-2024				4. Inlet chamber and connecting chamber - Completed. 5. CCT - Completed. 6. Sand Filter bed- Completed. 7. Annex Building: - Completed. 8. Backwash Recovery Tank: - Completed 9. Staff Quarters: - Completed 10. Chemical House: - Chlorination system installation work under progress 11. Compound Wall: - Completed
	Pump House (02 Nos.)	- At Existing AEn Campus - At Kagdi WTP Campus	- At Existing AEn Campus - At Kagdi WTP Campus	1. Civil Work Completed, Cable Trench work in progress. 2. Civil Work Completed EMI STATUS: - Total EMI: - 10 (Electrical 2, Mechanical 4, Instrumentation 4) Procured: - 6 Installation: - 0 (Electrical 0, Mechanical 0, Instrumentation 0)
	CWR	CWR-1550 KL (AEn Campus, PHED main campus)	CWR-1550 KL (AEn Campus, PHED main campus)	1. Completed 2. RCC Work Completed. EMI STATUS: - Total EMI: - 5 (Electrical 1, Mechanical 2, Instrumentation 2) Procured: - 5 Installation: - 5 (Electrical 1, Mechanical 2, Instrumentation 2)
	OHSR		-	-
	Rehab work (WTP 10.40 MLD AEn Campus)	1. Clariflocculator 01- Clariflocculator Scrapper Bridge, motor and Gate Replace. 2. Inlet chamber and connecting chamber – Gates, Motors, hand railing & Cleaning work. 3. Sand Filter bed - Cleaning & Piping work. 4. Admin Building – Cleaning work, hand railing & Plaster work. 5. Annex Building – Air blower replace, Cleaning & Plaster work. 6. Staff Quarters - Cleaning & Plaster work. 7. Chemical House - Cleaning work, hand railing & Plaster work. 8. Backwash Recovery Tank - Cleaning work, hand railing &		Sand Filter bed- Window and door replacing work & plaster work.

		Plaster work and DI Pipe Replace.		
	Rehab work (WTP 6.75 MLD Kagdi Pickup)	1. Clariflocculator 01- Clariflocculator Scrapper Bridge, motor and Gate Replace. 2. Inlet chamber and connecting chamber – Gates, Motors, hand railing & Cleaning work. 3. Sand Filter bed- Cleaning & Piping work. 4. Admin Building – Cleaning work, hand railing & Plaster work. 5. Annex Building – Air blower replace, Cleaning & Plaster work. 6. Staff Quarters - Cleaning & Plaster work. 7. Chemical House - Cleaning work, hand railing & Plaster work. 8. Backwash Recovery Tank - Cleaning work, hand railing & Plaster work and DI Pipe Replace.		1. Clariflocculator 01- EMI work Not yet started. 2. Inlet chamber and connecting chamber – EMI work Not yet started. 3. Sand Filter bed- Not yet started. 4. Admin Building – Inner & Outer side plaster work completed. 5. Annex Building – EMI work Not yet started. 6. Staff Quarters – Inner & Outer side plaster work completed. 7. Chemical House – EMI work Not yet started. 8. Backwash Recovery Tank – Civil Work Completed.
	Rehab work CWR (AEn campus) (2088 KL)	Pumps, Motors, valves, DI piping, cleaning work, plaster work etc.		Work not yet started.
	Rehab work CWR (Kagdi) (1044 KL)	Pumps, Motors, valves, DI piping, cleaning work, plaster work etc.		Work not yet started.
	Rehab work CWR (EE office PHED) (540 KL)	Pumps, Motors, valves, DI piping, cleaning work, plaster work etc.		Work not yet started.
	Rehab work (Pump House AEn campus)	Pumps, Motors, valves, Gates, EOT, DI Pipes, Cable tray, Transformer, DG set, Hand railing, cleaning work, plaster work etc.		Work not yet started.
	Rehab work (OHSR – 16 Nos.)	Plaster work, Paints, hand railing, plinth protection, valves etc. (16 Nos.)		Plaster work and paint work is under progress.
	Population benefitted due to commissioned	1,18,000 Nos.	1,20,555 Nos.	84295 (20 DMA)
	Wastewater			
	STP (1 nos.)	9.60 MLD (existing STP Campus)	9.60 MLD (existing STP Campus)	1. SBR- Decanter Testing work is under Progress.

				2. MPS- Panel & Cabling Installation work is under progress. 3. Staff Quarter- Completed. 4. TEER- Completed. 5. Admin Building- PLC Panel Installation work under Progress. 6.TESR- Pump Installation work under Progress. 7.PTU- Gate & Fine Screen-Testing work under progress. 8. CCT- Chlorination System Installation & painting work under progress. 9. Sludge Building: - Completed. 10.Sludge Sump - Completed. 11. Inlet Chamber - Completed.
	STP (Upgradation)	6.34 MLD	6.34 MLD	CCT 1st Lift Vertical Wall Steel binding work in under Progress
	SPS	SPS-1 : 0.67 MLD (Ward no. 21 near Nathelav Pond)	SPS-1 : 0.67 MLD (Ward no. 21 near Nathelav Pond)	Electromechanical Testing work in progress. EMI STATUS: - Total EMI: - 8 (Electrical 3, Mechanical 3, Instrumentation 2) Procured: - 8 Installation: - 4 (Electrical 2, Mechanical 2, Instrumentation 0)
		SPS-2: 1.7 MLD (Ward no. 1 near Pratapgarh Road)	SPS-2: 1.7 MLD (Ward no. 1 near Pratapgarh Road)	Electromechanical Testing work in progress. EMI STATUS: - Total EMI: - 8 (Electrical 3, Mechanical 3, Instrumentation 2) Procured: - 8 Installation: - 5 (Electrical 2, Mechanical 2, Instrumentation 1)
	Lateral Sewer (up to dia 300 HDPE-DWC)	81.559 km	Total = 99.456 km	a) Supply: - 100.288 km b) Laid: - 100.288 km c) Testing: - 100.288 km d) Deflection test: - 100.288 Km e) Commissioning- 66.857 km
	Outfall (above dia 300 RCC NP4)	6.431 KM	Total = 2.670 km -	a) Supply: 2.651 km b) Laid: 2.651 km c) Testing: - 2.604 Km d) Commissioning: - 1.095 Km
	PVC-U Pipe (110 & 160 mm dia)	Total = 138 Km	98.275 Km	a) Supply: - 65.104 km b) Laid: - 64.065 km c) Testing: - 55.650 km d) Commissioning: - 35.480 km

	Manholes (All types)	Total = 6338 Nos Precast RCC MH=2086 Shallow MH = 4020 Sewer-Brick MH=232	Total= 5578 Nos. Precast RCC MH=3256 nos Shallow MH= 2090 nos Sewer-Brick MH=232	a) Supply: - 3533 Nos b) RCC Manhole Installation: 3533 Nos c)Shallow Manhole-1815 Nos d)Type A- 17 Nos Type B: 5 Nos e) Type-C- 45 Nos <u>Total Installation: - 5415</u> f) Testing: - 5415 Nos g) Commissioning: - 3825 Nos												
	Inspection Chamber (All types)	Total = 13800 Nos	12170 nos.	a) Supply: - 11251 Nos b) Installation: 11251 Nos c) Testing: - 11251 Nos d) Commissioning: - 8010 Nos												
	HSC	11251 Nos	11251 nos.	11056 Nos.												
	FSSM	Covers 16697 Nos Population	Covers 16697 Nos Population	• Sewer Jetting Machine (500L) - Quantity – 2 • Sewer Suction Cum Jetting Machine (4000L) – Quantity – 1 • Sewer Suction Machine (1000L) – Quantity – 1 • Sewer Suction Machine (4000L) - Quantity – 1												
	Population benefitted due to commissioned	Covers 72952 Nos Population	-	Benefited 71405 Nos Population												
For Road Cutting & Restoration-																
<table><tr><th>Item Description</th><th>Scope of Work</th><th>Progress made so far</th></tr><tr><td>Road Cutting</td><td>-</td><td>CC: - 54.874 km , BT: - 44.023 km Kuccha/WMM: - 250.206 km Interlock Tiles: - 3.995 km</td></tr><tr><td>Road Restoration</td><td></td><td>CC: - up to PCC): -54.874 km, (up to CC): - 54.874 km BT: - (up to WMM): - 44.023 km (up to BT): - 44.023 km Kuccha/WMM: - 250.206 km Interlock Tiles: - 3.995 km</td></tr><tr><td>Balance Road Restoration (Km)</td><td></td><td>CC: - (upto PCC):- 0 km (upto CC):- 0 km BT: - (upto WMM):- 0 km (upto BT):- 0 km Kuccha/WMM: - 0.0 km Interlock Tiles: - 0.0 km</td></tr></table>					Item Description	Scope of Work	Progress made so far	Road Cutting	-	CC: - 54.874 km , BT: - 44.023 km Kuccha/WMM: - 250.206 km Interlock Tiles: - 3.995 km	Road Restoration		CC: - up to PCC): -54.874 km, (up to CC): - 54.874 km BT: - (up to WMM): - 44.023 km (up to BT): - 44.023 km Kuccha/WMM: - 250.206 km Interlock Tiles: - 3.995 km	Balance Road Restoration (Km)		CC: - (upto PCC):- 0 km (upto CC):- 0 km BT: - (upto WMM):- 0 km (upto BT):- 0 km Kuccha/WMM: - 0.0 km Interlock Tiles: - 0.0 km
Item Description	Scope of Work	Progress made so far														
Road Cutting	-	CC: - 54.874 km , BT: - 44.023 km Kuccha/WMM: - 250.206 km Interlock Tiles: - 3.995 km														
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Balance Road Restoration (Km)		CC: - (upto PCC):- 0 km (upto CC):- 0 km BT: - (upto WMM):- 0 km (upto BT):- 0 km Kuccha/WMM: - 0.0 km Interlock Tiles: - 0.0 km														
Building and Miscellaneous work																
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Item Description	Scope of Work	Progress made so far														
CRMC Building (03 Nos.)	1. At AEN campus	1. CRMC (AEN Campus)- Civil Work is Completed and Furniture work is under progress														
	2. At Dahod Road (Khandu Colony)	2. CRMC (Khandu Colony) Civil Work is Completed and Furniture work is under progress.														
	3. At Housing board colony	3. CRMC (housing board)- Civil Work is Completed and Furniture work is under progress.														

	CCC Building 1 No.	At AEN campus	Civil Work is Completed and Instrumentation work is under progress.
	MCC Building 1 No.	At AEn Campus	Civil Work is Completed and Instrumentation work is under progress.
	PLC SCADA	-	SCADA Installation work Pending.
	Trenchless Work		
	HDPE pipe (Trenchless)	6.040 km	Supply: - 6.040 km Laid: - 6.040 km Testing: - 6.040 km Commissioning: 3.194 km

Town: Kuchaman

Contract description	Cumulative Progress of works up to 30.09.2024			
Town: Kuchaman				
Package no - RSTDIP/KMN/02 Works under package- Construction Works of Water Supply Production and Distribution Network Improvements with house service connections for nonrevenue water reduction and continuous water supply and Providing Sewer Network with House sewer connections along with construction of Sewage Treatment Plant and Sewerage Pumping Station: all allied Works and operation services of the entire system for 10 years at Kuchaman Name of Contractor- M/s. Larsen & Turbo Pvt. Ltd. Contract type- Design, Build and Operate Date of Start- 18.5 2021 Cumulative Physical Progress- 76.4% Stipulated Date of completion – 31.10.2024 Likely date of completion: 31.12.2024	Water Supply			
	Item	Scope of work	SIP Scope	Progress
	Total distribution network	343.59 km	417.64 km	-
	HDPE Pipe	327.7 km	400.57 km	a. Supply: - 400.57km b. Laid: - 373.057 Km. c. Testing: - 355.26 km d. Commissioning: - km
	DI Pipe K7	4.76 Km	6.14 km	a. Supply: - 6140 mtr b. Laid: - 4650.05 mtr c. Hydro Testing: -4278.05 m d. Commissioning: - m
	DI Pipe K9	11.13 km	10.93 km	a. Supply: - 10930 mtr b. Laid: - 9336.00 mtr. c. Hydro Testing: -8725.00 mtr d. Commissioning: - Km
	House Service Connection	14900 Nos	14900 nos.	a. Laying/installation: - b. Laid – 12816 nos c. Testing: -12257 noss d. Commissioning: -nos
	Domestic Water Meter	14900 Nos	14900 nos.	a) Supply: - nos. b) Installation: - nos. c) Testing: - nos. d) Commissioning: - nos.
	Metering	EMFM	EMFM	a) Supply: - nos. b) Installation: - nos. c) Testing: - nos. d) Commissioning: - nos
		BFM	BFM	a) Supply: - nos. b) Installation: - nos. c) Testing: - nos. d) Commissioning: - nos
	Pressure Transmitters	0 Nos.	-	a) Supply: - nos. b) Installation: - nos. c) Testing: - nos. d) Commissioning: - nos
	No. of DMAs	12 Nos.	23 nos.	-
	RWR	-	-	-
	WTP	NIL		-
	Pump House (04 Nos)	Pump House - 1 (600 KL)	Pump House - 1 (600 KL)	RCC work is completed & brickwork is in progress. Note-Cumulative progress : Design & Drawing, Civil work and EMI (27.43%)
		Pump House – 2 (Panchwa Road 1200 KL)	Pump House – 2 (Panchwa Road 1200 KL)	RCC work, brick work, plaster work & erection of EOT work, header of pumps, flooring work, railing work of staircase

Contract description	Cumulative Progress of works up to 30.09.2024			
				completed and pump installation & cable trench work is in progress. Note-Cumulative progress : Design & Drawing, Civil work and EMI (39.13%)
		Pump House 3 (Jagdamba Colony 920 KL)	Pump House 3 (Jagdamba Colony 920 KL)	Concreting work of second slab is completed and shuttering & reinforcement work of stair case, brick work at pump house, installation of common header work, pump erection & brickwork of PH is in progress & foundation of DG set and transformer is completed. Note-Cumulative progress : Design & Drawing, Civil work and EMI (27.75%)
		Pump house 4 (OLD PHED H/w Budsu Road 730 KL)	Pump house 4 (OLD PHED H/w Budsu Road 730 KL)	Flooring work of walkway completed, brick work of mummy of staircase of pump house in progress & mechanical work - Installation of common header, NRV, butter fly valve etc. and erection work of EOT are completed & pump installation work, trench making penel work of trench is in progress. Note-Cumulative progress : Design & Drawing, Civil work and EMI (36.81%)
	CWR 04 Nos.	CWR 1 (600 KL)	CWR 1 (600 KL)	Concreting of CWR & sump wall is completed upto top slab beam level.
		CWR 2 (1200 KL)	CWR 2 (1200 KL)	RCC work of CWR, staircase & railing work is completed.
		CWR 3 (920 KL)	CWR 3 (920 KL)	CWR concreting work of dome, staircase & Inlet pipe fitting work completed and Hydro test is pending.
		CWR 4 (730 KL)	CWR 4 (730 KL)	Civil, railing of CWR is completed. Hydro test of CWR is pending.
	OHSR	-		-
	Rehab work (WTP,PH,CWR, OHSR etc.)	-		-
	Population benefitted due to commissioned	74000	-	100 %
	Wastewater			

Contract description	Cumulative Progress of works up to 30.09.2024			
	STP (1 nos.)	7.6 MLD Near Dussehra Maidan	7.60 MLD Near Dussehra Maidan	1 Admin Building - All RCC & brick work of Admin building completed, plaster work & erection work of blower is completed and finishing work is pending. 2 SBR: Civil work completed and hydro test of one basin & second basin is completed and mechanical work to be started. 3 Staff quarter: plaster work (inner & outer) completed and finishing work is in progress. 4 PTU: RCC work completed & mechanical work in progress. 5 TEER –Hydro test & painting work and plinth protection are completed & piping work is completed & valve chamber work is balance. 6 MPS: Concreting work and sinking of MPS completed and channel slab work in progress. 7 Security Room: Flooring and finishing work is in progress. 8 Parking Shed; RCC work completed up to below plinth beam. Completed. 9 DG YARD: Foundation of yard completed. Note-Cumulative progress: Design & Drawing, Civil work and EMI (23.15%).
	SPS	3.10 MLD	3.10 MLD	RCC work of wet well, control room up to roof level and brickwork of guard room & plaster work of guard room is completed & cable tray work is in progress.. Note-Cumulative progress : Civil work plus Design & Drawing (4.56%)
		0.85 MLD	0.85 MLD	Plaster work of boundary wall completed & finishing work of guard room & meter room & foundation work of transformer & DG Set, installation of screen & sluice gate are completed and finishing civil work and

Contract description	Cumulative Progress of works up to 30.09.2024			
				balance EMI work is pending. Note-Cumulative progress: Design & Drawing, Civil work and EMI (8.85%).
	MPS	1	1	Concreting work and sinking completed and PCC and Raft reinforcement work is in progress.
	Lateral Sewer (up to dia 315)	148.942 Km	136.28 Km	a) Supply: 136.28 km b) Laid: 122.272 km c) Testing: 100.510 km d) Deflection test: 100.51 Km e) Commissioning- 0 km
	Outfall (above dia 315)	3.62 Km	3.38 km	a) Supply: 3.20 km. (Total) b) Laid: 3.096 Km c) Testing: 2.335 mtr d) Commissioning
	PVC-U Pipe (110 & 160 mm dia)	108.0 Km	60.2 km	a) Supply: - 60.2 km b) Laid: - 44.57 km c) Testing: 44.12 Km d) Commissioning: -
	Manholes (All types)	10352 Nos.	7910 km	a) Supply: 6588 Nos b) Installation: - 6350 Nos c) Testing: - 5279 Nos d) Commissioning: -
	Inspection Chamber (All types)	10800 Nos.	10800 nos.	a) Supply: 9850 Nos b) Installation: -9767 Nos c) Testing -7273 nos. d) Commissioning: - nos.
	Population benefitted due to commissioned	-		-
For Road Cutting & Restoration-				
Item Description		Scope of Work		Progress made so far
Road Cutting		a) CC:47.01 Km b) BT:14.9 Km c) WMM: 0 Km d) Kuchha: 125.7		a) CC: 114.99 b) BT: 24.66 c) WMM: - 2.03 Km d) Kaccha: 233.41 Km
Road Restoration		a) CC: 45.99Km b) BT: 4.50 Km c) Kuchha: 125.7 d) WMM: 0 Km		a) CC: 112.39 km (up to CC); b) BT: 23.79 Km (up to PMC); c) WMM: - 2.03 km d) Kaccha – 233.41 Km
Balance Road Restoration (Km)		a) CC: Km b) BT: Km c) WMM: Km d) Kuchha		a) CC-2.60 km b) BT-0.87 km c) WMM: -Km d) Kaccha: Nil
Building and Miscellaneous work				

Contract description	Cumulative Progress of works up to 30.09.2024				
	S.No.	Item Description	Scope of Work	SIP Scope	Progress made so far
	A	CRMC centre	CRMC 01	CRMC 01	Required land for SPS01 and CRMC 01 is demanded 40X40 m but Nager parishad has provide land 2102.37 Sq. ft. Which less against required land, So SPS will be on priority after that space available for CRMC building would be constructed.
			CRMC 02	CRMC 02	Furnishing & finishing work is pending.
	B	CCC Building	1	1	Furnishing & finishing work is pending.
	C	MCC Building	1	1	RCC and plasterwork completed. Flooring work & painting work is in progress.
	D	PLC SCADA	1	1	NIL
	Trenchless Work				
	S.No.	Item Description	Scope of Work	SIP Scope	Progress made so far
	A	HDPE Pipes	8.2 Km	10.11 KM	a) Supply: - 9.70 km b) Laid: - 9.588 km. c) Testing: - 8.85 Km. d) Commissioning: - km
	B	RCC Pipes	3.620 Km		a) Supply: 2.11 Km b) Laid: -1.028 Km c) Testing: Nil d) Commissioning: Nil
	C	MS Pipes	-	-	a) Supply: Meter b) Laid: - Meter c) Testing: Meter d) Commissioning: Meter

Town: Didwana

Contract description		Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/DID/01 Works under package- Construction Works of Providing Sewer Network with House sewer connections along with construction of Sewage Treatment Plant & Sewage pumping Station and all allied Works and operation services of the entire system for 10 years at Didwana Name of Contractor- M/s. Larsen & Turbo Limited Contract type- Design, Build and Operate Date of Start- 18.5.2021 Cumulative Physical Progress- 83.5% Stipulated Date of completion – 16.05.2024 Likely date of completion: -	Wastewater				
	Item	Scope	SIP Scope	Progress	
	STP	3.0 MLD	3.0 MLD	• SBR Unit: - Civil Work including Hydro testing & Paint completed. • PTU: - Civil Work including Hydro testing & Paint completed. Fittings of EMI items are in progress • Admin Building: -All civil work completed Except Door & window. Miscellaneous works are in progress • TEER: - PCC, Raft completed & Bottom dome Completed, dome wall completed top dome work is in progress. The casting work for container wall and top dome completed. Staircase shuttering work is in progress. • Staff Quarter: - All civil work completed Except Door & window. • MPS: - Casting of Sump and sinking work completed. Monorail column work completed. Finishing works are in progress • EMI: - Decanter, Air Blower, Sludge Dewatering Machine, PTU unit equipment's are installed. Diffuser and RAS SAS pump work pending.	
	MPS	-	-		
	SPS 02 Nos.	SPS-1: 1.7 MLD (Salt area)	SPS-1: 1.7 MLD (Salt area)	Sinking of sump is completed, sump slab work is completed. Guard Room & Metering Room Excavation, PCC, footing and column up- to salb completed, Flooring & Painting work are in progress. EMI: - Inlet Chamber equipment & Coarse Screen, Pipe fittings & Erection of LT panel & starter completed. Pumps installed and pipe work is in progress.	
	SPS -2: 1.3 MLD	SPS -2: 1.3 MLD	Boundary wall & Sump work Completed. Guard Room & Metering Room Excavation,		

		(RSEB Campus)	(RSEB Campus)	PCC, footing, column and roof slab completed and plaster work completed and painting work in progress. EMI: - Inlet Chamber equipment & Coarse Screen procured and stacked at site and installation work in progress.
Lateral Sewer (upto dia 315)	• 200 mm HDPE (DWC SN8)- 1600mtr • 250 mm HDPE - 100/PN-6)- 6500mtr • 250 mm HDPE (DWC SN8)- 48400mtr • 315 mm (HDPE- 100/PN-6)- 975 mtr	• 200 mm (HDPE (DWC SN8) - 42739mtr • 250 mm (HDPE PE- 100/PN-6) – 4837mtr • 250 mm (HDPE (DWC SN8) – 640mtr • 315 mm (HDPE PE- 100/PN-6) – 1149mtr	a) Supply: 200mm (DWC) :45.688 km 250mm (DWC): 0.640 km b) Laying Laid: 44.590 km (200mm DWC) Laid: 0.667 Km (250mm DWC) c) Testing: 42.741 km d) Deflection test: 42.741 Km e) Commissioning- 24.20 km	
Outfall (above dia 315)	• 350mm (RCC NP-4) – 200mtr • 400mm (HDPE PE- 100/PN-6) – 2525mtr • 900mm(RC CNP-4) – 800 mtr	• 350mm (RCC NP-4) – 366mtr • 400mm (HDPE PE- 100/PN-6) – 43 mtr • 900mm(RC CNP-4) – 800 mtr	a) Supply: 0.675 km b) Laid: 0.675 km c) Testing: 0.529 Km d) Commissioning	
PVC-U Pipe (110 & 160 mm dia)	• 110mm - 37490mtr • 160mm – 6510mtr	• 110mm – 16782 mtr • 160mm – 2916mtr	a) Supply: - 22.00 km (110mm) 4.088 km (160mm) b) Laid: - 20.149 km (110mm) c) Laid: - 3.227 Km (160mm) d) Testing: 18.50 Km (110mm) e) Testing: - 2.90 Km(160mm) f) Commissioning:- 9.84 Km	
Manholes (All types)	4137 (Nos)	2470 (Nos)	a) Supply: -2470 Nos b) Installation: - 2319 Nos c) Testing: - 2120 Nos d) Commissioning:- 1161	
Inspection Chamber (All types)	4400 Nos	3683 Nos	a) Supply: - 3683 Nos b) Installation: - 3546 Nos c) Testing: - 3090 nos. d) Commissioning: - 1766 nos.	
Population benefitted due	36184	36184		

	to commissioned			
	House Sewer Connection	3800 (Nos)	3683 Nos.	3533 Nos Completed
	DI Pumping Main	150mm-1100 mtr 200 mm-2600 mtr	300mm-1300 mtr 250 mm-2400mtr	a) Supply: - 2480.0 Mtr (250mm) b) Supply: - 1610 Mtr (300mm) c) Laying: - 2430.0 (250mm) Mtr d) Laying: - 1618.0 Mtr. (300mm)
	For Road Cutting & Restoration-			
Item Description		Scope of Work	Progress made so far	
Road Cutting		a) CC: Km b) BT: Km c) Kuchha/WMM: Km	a) CC: 30.69 km b) BT: 5.245 km c) WBM: 0.447 d) Kuchha: 17.08 Km e) Interlocking Tiles: 0.778 Km	
Road Restoration		a) CC: Km b) BT: Km c) Kuchha: Km	a) CC: 30.52 km (up to PCC); b) BT: 5.245 Km (up to WBM); 5.245 Km (up to BT) c) WBM: 0.447 Km d) Kuchha: 17.08 Km e) Interlocking Tiles: 0.778 Km	
Building and Miscellaneous work				
Item Description	Scope of Work	SIP Scope	Progress made so far	
CRMC Building	1	1	Civil work 100% Completed.	
CCC Building	-	-	-	
MCC Building	-	-	-	
PLC SCADA	-	-	-	
Trenchless Work				
Item Description	Scope of Work	SIP Scope	Progress made so far	
HDPE Pipes	• 250mm (HDPE PE-100/PN-6) – 6500 mtr • 315mm (HDPE PE-100/PN-6) – 975 mtr • 400mm(HDPE PE-100/PN-6) – 2525 mtr	• 250mm (HDPE PE-100/PN-6) – 4837 mtr • 315mm (HDPE PE-100/PN-6) – 1149 mtr • 400mm(HDPE PE-100/PN-6) – 43 mtr	a) Supply: - 6.692 Km (250,315,400mm) b) Laid:5.456 Km (250mm HDPE) c) Laid: 1.128 Km (315mm HDPE) d) Laid: 0.041 Km (400mm) e) Testing: -6.299 Km f) Commissioning: - 3.00 km	
RCC Pipes	NIL		a) Supply: Nil b) Laid: Nil c) Testing: Nil	
MS Pipes	NIL		a) Supply: Nil b) Laid: Nil c) Testing: Nil d) Commissioning: Nil	

Town: Ladnu

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/LDN/01 Works under package- Construction Works of Providing Sewer Network with House sewer connections along with construction of Sewage Treatment Plant and all allied Works and operation services of the entire system for 10 years at Ladnu (Nagaur) Name of Contractor- M/s. Larsen & Turbo Limited Contract type- Design, Build and Operate Date of Start- 18.5 2021 Cumulative Physical Progress- 82.1% Stipulated Date of completion – 16.5.2024 Likely date of completion: 31.12.2024	Wastewater			
	Item	BOQ Scope	SIP Scope	Progress
	STP (2 nos.)	5.5 MLD	5.5 MLD	• Staff quarter: First floor Internal Plastering work under Progress. • Admin Building: - Stair room inner plaster completed. • MCC room- Civil work completed. • Sludge Storage Yard- Plinth Beam Steel & Shuttering work in Progress. • TEER Unit: - Bottom dome concrete work done. Wall 1st lift Shuttering work in Progress. • PTU Unit: - Civil work completed and EMI equipment installation work in progress. • Boundary Wall - Boundary Wall brick masonry work under progress.
		2.4 MLD	2.4 MLD	• SBR: - Outer Decanter Beam Steel Binding & shuttering work in progress. Walk way slab completed (periphery side). • PTU Unit: - Base slab steel & shuttering work in Progress. • Admin Building: -1st floor column & Blower room roof slab steel & shuttering work completed. & concrete work in progress. • MPS: - Wall 1st lift steel & shuttering work in progress. • TEER: - Raft casting of concrete work done & Coolum up to 1st bracing bottom beam concrete work completed. Earth work compaction completed. • Staff quarter: - Work Complete up to bottom of slab (2nd lift column done in Ground Floor). • Guard & Metering Room - Footing Work Completed & plinth beam steel & shuttering work in progress. • Boundary Wall - Boundary Wall foundation pcc work under progress.
	Lateral Sewer (up to dia 315)	110.912 km	97.118 km	a) Supply: 97.756 km b) Laid: 94.073 km c) Hydro Testing: 92.958 km
	Outfall (Outfall (RCC 350,500 & 600 mm dia.)	2.554 km	9.196 km	a) Supply: 9.972 km b) Laid: 9.196 km
	PVC-U Pipe (110 & 160 mm dia)	123.65 km	78.88 Km	a) Supply: 105.426 km b) Laid: - 53.482 km

	Manholes (All types)	8778 Nos.	4718 nos.	a) Supply: 4623 Nos b) Installation: 4546 Nos
	Inspection Chamber (All types)	12365 Nos.	11500 Nos.	a) Supply: 11779 Nos. b) Installation: 10780 Nos
	Population benefitted due to commissioned	-	-	-
	For Road Cutting & Restoration-			
	Item Description	Scope of Work		Progress made so far
	Road Cutting	a) CC: Km b) BT: Km c) Kuchha/WMM: Km		a) CC/CB: 87.253 km b) BT: 3.621 km c) Kachha: 12.395 Km
	Road Restoration	a) CC: Km b) BT: Km c) Kuchha/WMM: Km		a) CC/CB: 86.113 km (up to CC top layer). b) BT: 3.100 Km c) Kachha: 12.395 Km
	Balance Restoration			a) CC/CB: 1.140 Km b) BT: 0.521 c) Kachha: 0 Km Total =1.661 km
Building and Miscellaneous work				
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	CRMC Building	2	2	Civil work completed (95%)
	CCC Building	0	0	-
	MCC Building	0	0	-
	PLC SCADA	1	1	-
Trenchless Work				
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	HDPE Pipes	13.634 km	6.145 km	a) Supply: 7.149 Km b) Laid: -5.643 Km c) Testing: NIL d) Commissioning: NIL
	RCC Pipes	2.55 Km	9.196 km	a) Supply: 9.972 Km b) Laid: - 9.196 Km c) Testing: NIL d) Commissioning: NIL
	MS Pipes		0.06 km	a) Supply: NIL b) Laid: -NIL c) Testing: NIL d) Commissioning: NIL

Town: Makrana

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/MKN /01 Works under package- Construction Works of Providing Sewer Network with House sewer connections along with construction of Sewage Treatment Plant & Sewage pumping Station and all allied Works and operation services of the entire system for 10 years at Makrana Name of Contractor- M/s. Larsen & Turbo Limited Contract type- Design, Build and Operate Date of Start- 18.5.2021 Cumulative Physical Progress 88.8% Stipulated Date of completion – 16.05.2024 Likely date of completion: 15.10.2024	Wastewater			
	Item	BoQ Scope	SIP Scope	Progress
	STP (01 No.)	7.7 MLD	7.7 MLD	Admin Building –Paint work is running and Pump Foundation work is completed, Internal & external work is completed. SBR – Hydro testing work is almost completed, Grinding work is completed and Railing work is Completed. PTU- Mechanical work is in under progress and hydro testing work is completed. Staff quarter – Plaster work is completed. MPS – Civil work is completed. TEER – Top dome vertical casting work is completed.
	SPS (02 Nos.)	SPS-1: 2.3 MLD (Jhalara Road)	SPS-1: 2.3 MLD (Jhalara Road)	Paint work is completed. civil work is Completed.
		SPS-2: 1.80 MLD (Matabhar Road)	SPS-2: 1.80 MLD (Matabhar Road)	Paint work is completed. civil work is Completed.
	Lateral Sewer (upto dia 315)	• 200mm (HDPE DWC SN8)- 78694mtr • 250mm (HDPE PE-100/PN-6)- 5925 mtr • 250mm (HDPE DWC SN8)- 1096 mtr • 315mm(HD PE PE-100/PN-6/)- 1361 mtr	• 200mm (HDPE DWC SN8) -88435 mtr • 250mm (HDPE PE-100/PN-6) – 8825 mar • 250MM (HDPE DWC SN8) – 250 mtr 315mm (HDPE PE-100/PN-6) – 2001mtr	Supply: - • 88.435 km (200mm DWC) • 0.108 km (250mm DWC) • 8.825 KM (250 mm HDPE Trenchless) • 1.192 KM (315 mm HDPE Trenchless) Laid Pipeline: - • Laid: 88.382km (200mm DWC) • Laid: 0.108 Km (250mm DWC) • Laid: 7.874 Km (250mm HDPE Trenchless) • 1.192 Km (315mm HDPE Trenchless) • Testing: 88.382 km (200mm DWC)

				• Testing: 0.108 km (250mm DWC) • Deflection test: 88.382 Km (200mm DWC) • Testing: 7.874 Km (250 mm HDPE Trenchless) • Testing: 1.231 Km (315 mm HDPE Trenchless) • Testing: 0.810 Km (400 mm HDPE Trenchless) • Commissioning-Km
	Outfall (above dia 315)	• 350mm (RCC NP-4)-3076 mtr • 400mm (RCC NP-4)-62 mtr • 400mm (HDPE PE-100/PN-6)-533 mtr (SIP 859.65 mtr) • 1200mm(RC C NP-4)-500 mtr	• 350mm (RCC NP-4) - 3076 mtr • 400mm (RCC NP-4) – 62 mtr • 400mm (HDPE PE-100/PN-6) – 859.65 mtr • 1200mm (RCC NP-4) – 500 mtr	• Supply: 2.456 km (350 mm RCC pipe) • Laid: 2.456 km (350 mm RCC pipe) • Supply: 0.810 km (400 HDPE) • Laid: 0.810 km (400 mm HDPE pipe) • Commissioning
	PVC-U Pipe (110 & 160 mm dia)	• 110mm-78660mtr • 160mm-10340mtr	• 110mm – 55009 mtr • 160mm – 5490 mtr	a) Supply: 55.009 km (110mm), 5.490 km (160mm) b) Laid: - 41.12 km (110mm) 4.837 Km (160 mm) c) Testing: 38.950 (110 mm) Km, 4.693 (160 mm) d) Commissioning:
	Manholes (All types)	6806 Nos.	4973 Nos	a) Supply: 4973 Nos b) Installation: 4733Nos c) Testing: - 4733 Nos d) Commissioning: -
	Inspection Chamber (All types)	8900 Nos.	9077 Nos	a) Supply: 8360 Nos b) Installation: - 8059 Nos c) Testing: - 7806nos. d) Commissioning: - nos.
	House Sewer Connection	8000 Nos.	9077 Nos	HSC fully Installation: - 5515 Nos HSC up to Chamber – 2845 Nos Total House Sewer Connection - 8000 Nos
	DI Pumping main	200mm-800Mtr 250mm-800Mtr	250mm- 700Mtr 300mm-1000Mtr	Supply: 0.654 km (250 mm), 1.000 Km (300 mm) Laid: - 0.615 km (0.250 mm), 0.975Km (0.300 mm)

	Population benefitted due to commissioned	53777	53777	
	For Road Cutting & Restoration-			
	Item Description	Scope of Work	Progress made so far	
	Road Cutting	a) CC: Km b) Interlocking tiles: Km c) BT: Km d) WMM: Km e): Kuchha : Km	a) CC: 39.634 km b) Interlocking tiles: 4.284 Km c) BT: 4.262 km d) WMM: 1.529 Km e) Kachaa: 51.113 km	
	Road Restoration	a) CC: Km b) Interlocking tiles: Km c) BT: Km d) WMM: Km e): Kuchha : Km	a) CC: 39.610km b) Interlocking tiles: 4.284 Km c) BT: 4.262 Km d) WMM: 1.529KM e) Kuccha: 51.113 Km	
Building and Miscellaneous work				
Item Description	Scope of Work	Progress made so far		
CRMC Building	1	Fixing of aluminum partition, Ac and chair 100 completed. Fixing of Aluminum Doors, Windows and Aluminum Grills for Windows with Door for Gents and Ladies Toilet 100 % completed. Inside and Outside Painting 1st coat 100% completed. Painting for MS main gate cum Wicket Gate 1st coat 100% completed. Laying of interlocking paver tiles around the premises 100 % completed and Laying of Stone Tiles 100% completed on Plinth Protection.		

Town: Khetri

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/KTR/03 Works under package- Construction Works of Water Supply Production and Distribution Network Improvements with house service connections for nonrevenue water reduction and continuous water supply and Providing Sewer Network with House sewer connections along with construction of Sewage Treatment Plant and all allied Works and operation services of the entire system for 10 years at Khetri. Name of Contractor- M/s. Lahoty-LNA (JV), Jaipur Contract type- Design, Build and Operate Date of Start- 22.03.2021 Cumulative Physical Progress- 65% Stipulated Date of completion – 20.03.2024 Likely date of completion - 30.09.2024	Water Supply			
	Item	BOQ Scope	SIP Scope	Progress
	Total distribution network	50.38 km	54.823 km	Supply: -54.823 km Laid: -52.456 km Testing: -34.680 km Commissioning: -0.00 km
	HDPE Pipe (Dia. 20,25 & 32 mm)	22 km	22 km	Supply: -22.00 km Laid: -10.450 km Testing: -0.00 km Commissioning: -0.00 km
	DI Pipe K7	44.11 Km	48.28 km	Supply: -48.280 km Laid: -46.186 km Hydro Testing: -33.791 km Commissioning: -0.0 km
	DI Pipe K9	6.274 km	6.535 km	Supply: -6.535 km Laid: -6.270 km Hydro Testing: -0.889 Km Commissioning: -0.00 Km
	House Service Connection	4400 Nos	4400 Nos	Laying / installation: -2802 nos. Testing: - nos. Commissioning: -nos.
	Domestic Water Meter	4400 Nos	4400 Nos	Supply: - 4400nos. Installation: - 2260nos. Testing: - nos. Commissioning: - nos.
	Metering	EMFM-17 nos.	EMFM- 7 nos.	a) Supply: Nos b) Installation: - Nos c) Testing: Nos d) Commissioning: Nos
		BFM – 13 nos.	BFM – 2 nos.	a) Supply: Nil b) Installation: - Nil c) Testing: Nil d) Commissioning: Nil
	Pressure Transmitters	28 Nos.	8 nos.	a) Supply: Nil b) Installation: -Nil c) Testing: Nil d) Commissioning: Nil
	No. of DMAs	9 Nos.	9 nos.	DMA-3, 5 & 6 Rising DI washout work
	Pump House	2 nos.	2 nos.	AEn campus - 11 KV Electrical connection work is done, HSC pump Dry run completed (90%) JEn campus- EMI work in progress. (90%)
	CWR (500 Kl)	1 nos.	1 No.	Hydro testing work in progress.
	Rehab work (WTP,PH, CWR, OHSR etc.)	GLSR-1, 2, 4 & 6 work is completed & GLSR 3, 5, 7 Refurbishment work in progress. Refurbishment of 7 nos. tubes well work started by contractor but local villagers stopped the work.		

	Population benefitted due to commissioned	18,209 souls		
	Wastewater			
	STP (1 nos.)	3.15 MLD	3.15 MLD	• SBR: EMI work is in progress. • Admin Building: Blower room, Tonner room flooring work & ISMB-200 I section Girder installation work for EOT completed & Mumty slab reinforcement work in progress. • MPS: Paint work under progress in Panel room. • Coarse screen channel & Distribution chamber- installation work is completed. • TEER: Valve fitting work in progress. • Staff Quarter- Civil work is completed, Paint work in progress • PTU: Grit separator wall & Intermediate Channel wall casting work completed. • CCT-TESR- ISMB-200 I section Girder installation work for EOT. Parking Shed-Column footing work is completed. Boundary wall- Wall paint work in progress.
	Lateral Sewer (up to dia 315)	31.325 Km	32.556 km	Supply: -30.00 km Laid: - 27.924 km Testing: -18.194 km Deflection test: - 0.0 Km Commissioning:-0.0 Km: Nil
	Outfall (above dia 315)	2.897 Km	2.522 km	Supply: -2.677 Km. Laid: -2.481 km Testing: - 0.00 Km Commissioning
	PVC-U Pipe (110 & 160 mm dia)	45.0 Km	20.480 km	Supply: - 10.468 km Laid: -10.200 km Testing: -1.800 Km Commissioning: -
	Manholes (All types)	2231 Nos.	1857 Nos.	Supply: -1394 Nos. Installation: -1292 Nos. Testing: -678 Nos. Commissioning: -
	Inspection Chamber (All types)	4500 Nos.	4146 Nos.	Supply: - 1850 Nos. Installation: -1912 Nos.

				Testing: - 678 Nos. Commissioning: - 0.00 Nos. (HSC under progress upto Terminal Chamber (1000 nos).
	Population benefitted due to commissioned	18209 souls		
For Road Cutting & Restoration-				
	Item Description	Scope of Work	Progress made so far	
	Road Cutting	a) CC: 21.483 Km b) BT: 10.955 Km c) Kuchha/WMM: Km	a) CC: - 28.76 Km b) BT: - 0.55 Km c) Kaccha: - 4.22 Km d) Interlock Tiles: - Km	
	Road Restoration	a) CC: Km b) BT: Km c) Kuchha: Km	a) CC: - 29.310 Km (up to PCC) • 28.280 Km (up to CC) • b) BT: - 0.550 Km • c) Kaccha: - 4.220 Km • d) Interlock Tiles: - Km	
	Balance Road Restoration	a) CC: - Km b) BT: - Km c) Kaccha: - Km d) Interlock Tiles: - Km	• a) CC: - 480 Km • b) BT: - 0.0 Km • c) Kaccha: - 0.00 Km • d) Interlock Tiles: - 0.00 Km	
Building and Miscellaneous work				
	Item Description	Scope of Work	SIP Scope	Progress made so far
	CRMC Building	1 no.	1 no.	Civil work completed & EMI work in progress.
	CCC Building	1 no.	1 no.	Civil work completed & EMI work in progress.
	MCC Building	1 no.	1 no.	Civil work completed & EMI work in progress.
	PLC SCADA	1 no.	1 no.	-
Trenchless Work				
	HDPE Pipes	0.333 Km	0.0 km	a) Supply: 0 km b) Laid: -0 km c) Testing: NIL d) Commissioning: NIL

Town: Mandawa

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no - RSTDIP/MDW/03 Works under package- Construction Works of Water Supply Production and Distribution Network Improvements with house service connections for nonrevenue water reduction and continuous water supply and Providing Sewer Network with House sewer connections along with construction of Sewage Treatment Plant and Sewerage Pumping Station: all allied Works and operation services of the entire system for 10 years at Mandawa. Name of Contractor- M/s. LNA-R & B (JV), Jaipur Contract type- Design, Build and Operate Date of Start- 22.03.2021 Cumulative Physical Progress- 89.5% Stipulated Date of completion – 20.03.2024 Likely date of completion - 30.09.2024	Water Supply			
	Item	BOQ Scope	SIP scope	Progress
	Total distribution network	116.82 km	135.270 km	a) Supply: - 135.270 Km b) Laid: - 132.247 Km c) Testing: - 74.558 km d) Commissioning: - 0 km
	HDPE Pipe (75 mm to 250 mm dia.)	108.40 km	124.320 km	a) Supply: - 124.320 Km b) Laid: - 124.020 Km c) Testing: - 74.558 Km d) Commissioning: - 0 km
	DI Pipe K7 (100 mm to 350 mm)	6.62 km	9.057 km (2.70 km Treated water reuse network)	a) Supply: - 9.057 km b) Laid: - 6.357 km c) Hydro Testing: - 0.00 km d) Commissioning: - 0.00 km
	DI Pipe K9 (100 mm to 150 mm dia)	1.89 km	1.893 km	a) Supply: - 1.893 km b) Laid: - 1.870 km c) Hydro Testing: - 0.00 Km d) Commissioning: - 0.00 Km
	HDPE pipe (20,25,32 mm)	27.0 km	27.0 km	a) Supply: - 27.00 km b) Laid: - 17.839 km c) Hydro Testing: -6.150 Km d) Commissioning: - 0.00 Km
	House Service Connection	5400 Nos	5190 Nos	a) Laying/installation: -5190 Nos b) Testing: - 2654 Nos. c) Commissioning: - 0.00 Nos.
	Domestic Water Meter	5400 Nos	6426 Nos	a) Supply: -6426 nos. b) Installation: - 4517 Nos. c) Testing: - 0.00 Nos. d) Commissioning: - 0.00 Nos.
	Metering	EMFM-. 01 Nos	EMFM-. 01 Nos	a) Supply: - 1.00 nos. b) Installation: -1.00 nos. c) Testing: - nos. d) commissioning: - nos.
		BFM- 18 Nos	BFM- 18 Nos	a) Supply: - 18.00 nos. b) Installation: - 2.0 nos. c) Testing: - nos. d) commissioning: - nos.

	Pressure Transmitters	24 Nos.	24 Nos.	a) Supply: 24 Nos b) Installation: -NIL c) Testing: NIL d) Commissioning: NIL
	No. of DMAs	5 Nos.	5 Nos.	01 No.
	Pump House	1 no.	1 no.	Structural drawing approved on 13.09.2022. Finishing work in progress.
	CWR (500 KI)	1 no.	1 no.	Testing & Commissioning work under progress.
	Rehab work (WTP, PH, CWR, OHSR etc.)	OHSR- 1 no. CWR – 0 nos. Pump House- 1 nos	OHSR- 1 no. CWR – 0 nos. Pump House- 1 nos	Jat Basti OHSR rehabilitation completed.
	Population benefitted due to commissioned	25610	25610 souls	
	Wastewater			
	STP (01 no.)	3.90 MLD	3.90 MLD	Sludge yard, parking shed, landscaping and EMI finishing work in progress. Dry Run/Trial run test work in progress.
	SPS (0.40 MLD)	1 No.	1 No.	Structural design and drawing are approved. SPS, PMCC & SCADA Room civil work completed. Electrical-Instrumentation work mostly completed. Dry Run/Trial run test work in progress
	Lateral Sewer (upto dia 315)	47.4 Km	48.828 Km	a) Supply: - 48.828 km b) Laid: -48.625 km c) Testing: - 43.362 km d) Deflection test: - 0.00 Km e) Commissioning: -0.00 km
	Outfall (RCC NP-4, 400 mm dia)	1.0 Km	1.0 Km	0 Km
	PVC-U Pipe (110 & 160 mm dia)	43.50 Km	21.930 Km	a) Supply: - 21.930 km b) Laid: - 14.554 km c) Testing: - 0.00 Km d) Commissioning: - 0.00

	Manholes (All types)	3664 Nos.	3165 Nos.	a) Supply: - 3053 Nos. b) Installation: -3103 Nos. c) Testing: - 1045 Nos. d) Commissioning
	Inspection Chamber (All types)	4350 Nos.	3750 Nos	a) Supply: - 4154 Nos. b) Installation: - 3625 Nos. c) Testing: - 0.00 nos. d) Commissioning: - 0.00 nos.
	Population benefitted due to commissioned	25610 souls		
	For Road Cutting & Restoration-			
	Item Description	Scope of Work	Progress made so far	
	Road Cutting	a) CC: Km b) BT: Km c) Kuchha/WMM: Km	CC: - 50.320 Km BT: - 0.960 Km Kaccha: - 76.550 Km Interlock Tiles: - 4.110 Km	
	Road Restoration	a) CC: Km b) BT: Km c) Kuchha: Km	CC: - 50.320 Km (up to CC) BT: - 0.960 Km Kaccha: - 76.550 Km Interlock Tiles: - 4.110 Km	
	Building and Miscellaneous work			
	Item Description	Scope of Work	SIP Scope	Progress made so far
	CRMC Building	1 No.	1 No.	Civil work completed & MIS/Grievance redressal system basic service work in progress.
	CCC Building	1 No.	1 No.	
	MCC Building	1 No.	1 No.	
	PLC SCADA	1 No.	1 No.	-
	Trenchless Work			
	HDPE Pipes (PE-100 PN-6, 250 mm to 500 mm dia)	5.0 Km	5.587 km	a) Supply: -5.587 Km b) Laid: - 5.587 Km c) Testing: -0.600 Km d) Commissioning: - 0.00 km

Note- Photographs of Proposed works and safeguard compliance is shown in **Appendix 1**.

Cumulative Progress of Works (FSTP – Sub Project Town) up to 30.09.2024**Town: Neem Ka Thana**

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – RSTDSP/NKT-SHR-BAN-JOB/01 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years operation and maintenance at Neem Ka Thana, Shahpura (Jaipur), Bandikui, Jobner Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s Genius LNA JV Contract type- Design, Build and Operate Cumulative Physical Progress- 71 % Stipulated date of start: 01.07.2022 Stipulated Date of completion – 31.12.2023 Likely date of completion – 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	Site handed over on 04.11.2022 vide NP letter no. 9688.
	Civil Work	32 %	32 %	• Design & drawings: Approved. • Civil work: Completed. • Stabilization & TESR: Completed. • Sludge Storage Yard: Completed. • Screw press: Completed. • Parking shed: Completed. • DG set & transformer: Foundation completed. • Road: Completed • EMI equipment's: Installation of EMI equipment's is under progress. • CTE: obtained. • Power Connection: Obtained on dated 19.07.2024
	Mechanical Works	50 %	50 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (3.17 Cr.)	D&B (3.17 Cr.)	RA 1=0.08 Cr., RA 2=0.11 Cr., RA 3=0.44 Cr., RA 4=0.17 Cr., RA 5=0.25 Cr., RA 6=0.40 Cr., RA 7=0.28 Cr., RA 8=0.64 Cr., RA 9=0.34 Cr., RA 10=0.35 Cr.

Town: Bandi Kui

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – RSTDSP/NKT-SHR-BAN-JOB/01 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years operation and maintenance at Neem Ka Thana, Shahpura (Jaipur), Bandikui, Jobner Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s Genius LNA JV Contract type- Design, Build and Operate Cumulative Physical Progress- 71 % Stipulated date of start: 01.07.2022 Stipulated Date of completion – 31.12.2023 Likely date of completion – 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	Site handed over on 28.09.2022 vide NP letter no. 4252.
	Civil Work	32 %	32 %	• Design & drawings: Approved. • Boundary wall: Completed. • Guard & Control Room: Completed. • Stabilization & TESR: Completed. • Sludge Storage Yard: Completed. • Screw press: Completed. • Parking shed: Completed. • DG set & transformer: Foundation completed. • Road: Completed. • EMI equipment's: Testing & trials under progress.
	Mechanical Works	50 %	50 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (2.65 Cr.)	D&B (2.65 Cr.)	RA 1=0.07 Cr., RA 2=0.10 Cr., RA 3=0.50 Cr., RA 4=0.02 Cr., RA 5=0.26 Cr., RA 6=0.34 Cr., RA 7=0.38 Cr., RA 8=0.69 Cr., RA 9=0.04 Cr. RA 10=2.51 Cr.

Town: Jobner

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – RSTDSP/NKT-SHR-BAN-JOB/01 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years operation and maintenance at Neem Ka Thana, Shahpura (Jaipur), Bandikui, Jobner Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s Genius LNA JV Contract type- Design, Build and Operate Cumulative Physical Progress- 71 % Stipulated date of start: 01.07.2022 Stipulated Date of completion – 31.12.2023 Likely date of completion – 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	Site handed over on 9.11.2022 vide NP letter no. 2000.
	Civil Work	32 %	32 %	• Design & drawings: Approved. • Boundary wall: Completed except painting • Guard & Control Room: Completed. • Stabilization: Completed. • TESR: Completed. • Parking & SSY: Completed except shed. • Screw Press: Completed. • Road: Completed. • Finishing work: Finishing work under progress. • EMI equipment's: TPI of PTU, Blowers, pumps, valves, Screw press, Sludge dryer, desludging vehicle, DG set etc. has been done and supply of the same under progress.
	Mechanical Works	50 %	50 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (2.55 Cr.)	D&B (2.55 Cr.)	RA 1=0.07 Cr., RA 2=0.08 Cr., RA 3=0.05 Cr., RA 4=0.04 Cr., RA 5=0.34 Cr., RA 6=0.32 Cr., RA 7=0.04 Cr., RA 8=0.57 Cr., RA 9=0.37 Cr., RA 10=2.20 Cr.

Town: Shahpura (Jaipur)

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – RSTDSP/NKT-SHR-BAN-JOB/01 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years operation and maintenance at Neem Ka Thana, Shahpura (Jaipur), Bandikui, Jobner Rajasthan including supply, testing of vehicle mounted suction machine for fecal sludge desludging. Name of Contractor- M/s Genius LNA JV Contract type- Design, Build and Operate	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	Site handed over on 2.11.2022 vide NP letter no. 3026. Nagar Palika allotted another land on 05.05.2023 vide letter no. 89. Again, another on 13.03.2024. • Design & drawings: Approved except some QAP. • Work stopped by the local public on 27.02.2023. Nagar Palika allotted another land on 5.05.2023. After approval of revised GAD, work again started on 19.06.2023, but work was again stopped by the local public. Nagar Palika allotted another land on 13.03.2024, Work started on 14.03.2024, but again stopped by local public. • EO send a memo given by the Chairman & ward members to suspend the project and requested to take n/a. SE PIU Ajmer requested to the PD, RUIDP to take n/a for cancelation of project at Shahpura. • EMI equipment's: Manufacturing of equipment suspended due to land issues. Land issue yet to be resolved.
	Civil Work	32 %	32 %	
	Mechanical Works	50 %	50 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (3.35 Cr.)	D&B (2.55 Cr.)	RA 1=0.08 Cr., RA 2=0.02 Cr., RA 3=0.00 Cr., RA 4=0.02 Cr., RA 5=0.03 Cr., RA 6=0.00 Cr., RA 7=0.00 Cr., RA 8=0.00 Cr., RA 9=0.00 Cr., RA 10=0.00 Cr.

Town: Bari

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – RSTDSP/FSTP – 9 Towns/03 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years' operation and maintenance at Tijara, Dausa, Bari, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani-Mandi and Pilibanga- Suratgarh Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s MTS-EIEPL JV Contract type- Design, Build and Operate Date of Start- 11.11.2022 Cumulative Physical Progress- 54 % Stipulated Date of completion – 12.05.2024 Likely completion 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	The identified land was changed and another land was allotted by the Nagar Palika vide letter no. 1365 dated 01.05.2023. • Design & drawing: Approved. • Boundary wall: Completed except main gate & painting. Office building: Completed up to lintel level, brick work in progress. • Parking & ME shed: Completed up to FGL. • DG foundation: - Completed. • PTU & Stabilization platform: under progress. • EMI equipment's: Supply under progress.
	Civil Work	30 %	30 %	
	Mechanical Works	52 %	52 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (3.80 Cr.)	D&B (3.80 Cr.)	RA 1=0.16 Cr., RA 2=0.01 Cr., RA 3=0.05 Cr., RA 4=0.05 Cr., RA 5=0.03 Cr., RA 6=0.13 Cr. RA 7= 0.44 Cr., RA 8=1.04 Cr., RA 9=0.00 Cr. RA 10=0.18 Cr., RA 11=0.00 Cr., RA 12=0.00 Cr.

Town: Deeg

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – RSTDSP/FSTP – 9 Towns/03 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years' operation and maintenance at Tijara, Dausa, Bari, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani-Mandi and Pilibanga-Suratgarh Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s MTS-EIEPL JV Contract type- Design, Build and Operate Date of Start- 11.11.2022 Cumulative Physical Progress- 54% Stipulated Date of completion – 12.05.2024 Likely completion 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	The identified land was changed and another land was allotted by the Nagar Palika vide letter no. 50 dated 02.05.2023.
	Civil Work	30 %	30 %	
	Mechanical Works	52 %	52 %	
	Electrical and Instrumentation Works	13 %	13 %	• Design & drawing: Approved. • Boundary wall: Completed except main gate & painting. • Office building: Finishing under progress. • Parking: Completed except shed. • ME shed: Completed up to FGL. • DG foundation: Completed. • PTU & Stabilization platform: completed. • EMI equipment's: Supply under progress.
	Financial Detail	D&B (3.40 Cr.)	D&B (3.40 Cr.)	RA 1=0.14 Cr., RA 2=0.07 Cr., RA 3=0.03 Cr., RA 4=0.00 Cr., RA 5=0.19 Cr., RA 6=0.09 Cr. RA 7=0.25 Cr., RA 8=1.01 Cr., RA 9=0.02 Cr. RA 10=0.16 Cr., RA 11=0.00 Cr., RA 12=0.00 Cr.

Town: Dausa

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – 9 RSTDSP/FSTP – 9 Towns/03 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years' operation and maintenance at Tijara, Dausa, Bari, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani-Mandi and Pilibanga- Suratgarh Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s MTS-EIEPL JV Contract type- Design, Build and Operate Date of Start- 11.11.2022 Cumulative Physical Progress- 54% Stipulated Date of completion – 12.05.2024 Likely completion 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	Site handed over to contractor after issuing NTP. • Design & drawing: Approved. • Boundary wall: Completed except gate. • Office building: Completed. • TESR completed. • Parking & ME shed: Completed. • Road: Completed. • DG foundation.: Completed. • Anaerobic tank & PTU: Civil work Completed. • EMI equipment's: Installation of equipments under progress..
	Civil Work	30 %	30 %	
	Mechanical Works	52 %	52 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (4.05 Cr.)	D&B (4.05 Cr.)	RA 1=0.17 Cr., RA 2=0.20 Cr., RA 3=0.13 Cr., RA 4=0.20 Cr., RA 5=0.04 Cr., RA 6=0.08 Cr. RA 07=0.30 Cr., RA 8=1.78 Cr., RA 9=0.35 Cr., RA 10=0.50 Cr., RA 11=0.00 Cr. RA 12=0.00 Cr.

Town: Tijara

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – RSTDSP/FSTP – 9 Towns/03 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years' operation and maintenance at Tijara, Dausa, Bari, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani-Mandi and Pilibanga- Suratgarh Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s MTS-EIEPL JV Contract type- Design, Build and Operate Date of Start- 11.11.2022 Cumulative Physical Progress- 54% Stipulated Date of completion – 12.05.2024 Likely completion 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	Site handed over to the contractor after issuing NTP. • Design & drawing: Approved. • Boundary wall: Completed. • Office building: Completed. • TESR completed. • Parking & ME shed: Completed except shed. • Road: Completed. • DG foundation.: Completed. • Anaerobic tank & PTU: Completed. • Security cabin: Platform completed. • EMI equipment's: Supply in progress.
	Civil Work	30 %	30 %	
	Mechanical Works	52 %	52 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (3.30 Cr.)	D&B (3.30 Cr.)	RA 1=0.14 Cr., RA 2=0.01 Cr., RA 3=0.00 Cr., RA 4=0.31 Cr., RA 5=0.10 Cr., RA 6=0.33 Cr. RA 7=0.04 Cr., RA 8=1.08 Cr., RA 9=0.33 Cr. RA 10=0.41 Cr. RA 11=2.08 Cr., RA 12=0.00 Cr.

Town: Bhawani Mandi

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – 9 RSTDSP/FSTP – 9 Towns/03 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years' operation and maintenance at Tijara, Dausa, Bari, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani-Mandi and Pilibanga- Suratgarh Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s MTS-EIEPL JV Contract type- Design, Build and Operate Date of Start- 11.11.2022 Cumulative Physical Progress- 54% Stipulated Date of completion – 12.05.2024 Likely completion 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	Site handed over to the contractor after issuing NTP. • Design & drawing: Approved. • Boundary wall: Completed except main gate & painting. Office building: Finishing work under progress. • ME & parking shed: completed up to FFL. Road: PCC completed. • PTU & Stabilization platform: under progress. • EMI equipment's: Supply under progress.
	Civil Work	30 %	30 %	
	Mechanical Works	52 %	52 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (3.30 Cr.)	D&B (3.30 Cr.)	RA 1=0.14 Cr., RA 2=0.09 Cr., RA 3=0.17 Cr., RA 4=0.22 Cr., RA 5=0.02 Cr., RA 6=0.00 Cr. RA 7=0.22 Cr., RA 8=1.06 Cr., RA 9=0.01 Cr. RA 10=0.16 Cr., RA 11=0.00 Cr., RA 12=0.35 Cr.

Town: Gangapur

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – RSTDSP/FSTP – 9 Towns/03 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years' operation and maintenance at Tijara, Dausa, Bari, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani-Mandi and Pilibanga- Suratgarh Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s MTS-EIEPL JV Contract type- Design, Build and Operate Date of Start- 11.11.2022 Cumulative Physical Progress- 54 % Stipulated Date of completion – 12.05.2024 Likely completion 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	Site handed over to the contractor after issuing NTP.
	Civil Work	30 %	30 %	• Design & drawing: Approved. • Boundary wall: Brick work in S/S under progress. • Office building: Brick work above lintel is under progress. • ME shed: footing work Completed & column up to 1st lift completed. • EMI equipment's: Supply under progress.
	Mechanical Works	52 %	52 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (3.10 Cr.)	D&B (3.10 Cr.)	RA 1=0.13 Cr., RA 2=0.00 Cr., RA 3=0.00 Cr., RA 4=0.00 Cr., RA 5=0.04 Cr., RA 6=0.02 Cr., RA 7=0.23 Cr., RA 8=0.60 Cr., RA 9=0.06 Cr., RA 10=0.15 Cr., RA 11=0.00 Cr., RA 12=0.00 Cr.

Town: Shahpura (Bhilwara)

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – 9 RSTDSP/FSTP – 9 Towns/03 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years' operation and maintenance at Tijara, Dausa, Bari, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani-Mandi and Pilibanga- Suratgarh Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s MTS-EIEPL JV Contract type- Design, Build and Operate Date of Start- 11.11.2022 Cumulative Physical Progress- 54% Stipulated Date of completion – 12.05.2024 Likely completion 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	- Site handed over to the contractor after issuing NTP. - Design & drawing: Approved. - Boundary wall: completed except main gate & painting. - Office building: 90% completed. - TESR completed. - Parking & ME shed: Completed up to FGL. - Road: PCC completed, CC pending. - EMI equipment's: Supply under progress.
	Civil Work	30 %	30 %	
	Mechanical Works	52 %	52 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (3.30 Cr.)	D&B (3.30 Cr.)	RA 1=0.14 Cr., RA 2=0.03 Cr., RA 3=0.07 Cr., RA 4=0.24 Cr., RA 5=0.08 Cr., RA 6=0.10 Cr., RA 7=0.10 Cr., RA 8=0.93 Cr., RA 9=0.01 Cr., RA 10=0.33 Cr., RA 11=0.00 Cr., RA 12=5.87 Cr.

Town: Pilibanga Suratgarh

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – RSTDSP/FSTP – 9 Towns/03 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years' operation and maintenance at Tijara, Dausa, Bari, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani-Mandi and Pilibanga- Suratgarh Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s MTS-EIEPL JV Contract type- Design, Build and Operate Date of Start- 11.11.2022 Cumulative Physical Progress- 54 % Stipulated Date of completion – 12.05.2024 Likely completion 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	The identified land was changed and another land was allotted by the Nagar Palika vide letter no. 5008 dated 19.01.2023. The excavation for foundation of boundary wall was started. But work stopped due to public agitation. A meeting was held with the SDM Pilibanga & EO, Nagar Palika Pilibanga to resolve the issue. The Nagar Palika vide letter no. 5371 dated 14.12.2023 requested the SDM to depute a Magistrate along with police force to execute the work uninterruptedly. After a long pursuance, another land for FSTP was handed over by the Nagar Palika, Pilibanga on dated 20.12.2023 vide letter no. 5434.
	Civil Work	30 %	30 %	
	Mechanical Works	52 %	52 %	
	Electrical and Instrumentation Works	13 %	13 %	- Design & drawing: Approved. - Boundary wall: Completed except gate & painting. - Office building: Finishing under progress. - Parking & ME shed: Completed except floor & shed. - Anaerobic tank & PTU: Civil work Completed. - DG foundation: Work in progress. - Security platform: Work in progress. - EMI: Supply under progress.
	Financial Detail	D&B (3.80 Cr.)	D&B (3.80 Cr.)	RA 1=0.14 Cr., RA 2=0.00 Cr., RA 3=0.01 Cr., RA 4=0.00 Cr., RA 5=0.13 Cr., RA 6=0.20 Cr. RA 7=0.31 Cr., RA 8=0.86 Cr., RA 9=0.07 Cr. RA 10=0.19 Cr., RA 11=0.00 Cr.

Town: Bhinder Kanode

Contract description	Cumulative Progress of works up to 30.09.2024			
Package no – 9 RSTDSP/FSTP – 9 Towns/03 Works under package- Design, Supply, Construction, Testing, Trial run and commissioning of FSTP with 5 years' operation and maintenance at Tijara, Dausa, Bari, Deeg, Shahpura (Bhilwara), Bhinder-Kanode, Gangapur (Bhilwara), Bhawani-Mandi and Pilibanga- Suratgarh Rajasthan including supply, testing of vehicle mounted suction machine for faecal sludge desludging. Name of Contractor- M/s MTS-EIEPL JV Contract type- Design, Build and Operate Date of Start- 11.11.2022 Cumulative Physical Progress- 54% Stipulated Date of completion – 12.05.2024 Likely completion 31.10.2024	Wastewater			
	Item Description	BOQ Scope	Scope of Work	Progress made so far
	Design Drawing and Documentation	5 %	5 %	• Site handed over to the contractor after issuing NTP. • Design & drawing: Approved. • Boundary wall: Completed except main gate & painting. • Office building: Completed up to lintel level. • Parking & ME shed: Completed up to FGL. • PTU & Stabilization platform: Completed. • EMI Supply under progress.
	Civil Work	30 %	30 %	
	Mechanical Works	52 %	52 %	
	Electrical and Instrumentation Works	13 %	13 %	
	Financial Detail	D&B (3.15 Cr.)	D&B (3.15 Cr.)	RA 1=0.13 Cr., RA 2=0.04 Cr., RA 3=0.22 Cr., RA 4=0.16 Cr., RA 5=0.18 Cr., RA 6= -0.03 Cr. RA 7=0.00 Cr., RA 8=0.70 Cr., RA 9=0.00 Cr. RA 10=0.14 Cr., RA 11=0.48 Cr., RA 12=4.41 Cr.

Note- Photographs of Proposed works and safeguard compliance is shown in **Appendix 1**.

10. **Change in Scope of works and/or Location of Project Components.** During review of design there occurred some changes in scope of works and/or location of project components (FSTP towns). These changes are being reported through updated IEEs. Such changes up to reporting period are listed below-

Table -5: Change in Scope of works and/or Locations of Project Components

S. No.	Name of Town	Change in Scope		Change in Location	
		Original scope as per Updated IEE	Change in scope	Original location As per Draft IEE	Change in location
1.	Abu Road	CWPH – 6 nos	-	-	-
		Water Supply distribution Network-134 km	-	-	-
		Sewage network 100.90 km	-	-	-
2	Sirohi	Intake well, - 2nos (7.40 MLD water from Angore Dam 3.90 MLD from Kalkaji dam)	-	-	-
		• Raw water main - 13.191 km • 2.49 km and 400mm (dia.) from Angore Dam to WTP • 10.70 km (L) and 300mm (Dia.) from Kalkaji Dam to WTP	-	-	-
		CWR and pump house in Kalkaji HW, Capacity-580 KL	-	-	-
		Clear water reservoirs (CWR) 4 nos new (750 KL, 470 KL, 580 KL and 270 KL)	-	-	-
		Transmission mains – 36.76km	-	-	-
		Water Supply distribution network-117.40 km	-	-	-
		Sewer collection network- 93.46 km	-	-	-
		Treated Effluent Elevated Reservoir (TEER) – 2 no.s (550 KL and 240 KL)	-	-	-
3	Laxmangarh	Water supply distribution networks (162.64Km) including House service connection of 9007	-	-	-
4	Ratangarh	Sewage collection network 144.33 km	-	-	-
5	Sardarshahar	Water supply distribution networks – 193 km	-	-	-
		Sewage Pumping Station (SPS) – 2 nos	-	-	-
		Manhole with pumping Stations (MWPS)-0	-	-	-
		Sewer Networks- 68 km	-	-	-
6	Fatehpur	Sewage Collection networks – 92.4 km with trenchless laying of sewer 15.12 km	-	-	-
		Rising Mains for Pumping the Sewage – 3200 m.	-	-	-
7	Pratapgarh	Sewage collection network -104.68 km	-	-	-
		Construction of one CRMC building	-	-	-
8	Banswara	Transmission system of 15.80 Kms of pipe dia from 100 mm to 500 mm of DI K-9 Pipes	-	-	-
		Distribution network of 286.70 Km	-	-	-
		sewage collection system- 89.0 Kms including 4,3 km trenchless	-	-	-
9	Didwana	Sewage collection network – 61.00 km	-	-	-
10	Khetri	Water Supply Distribution network-44 km	-	-	-
		Sewage collection network – 34.0 km	-	-	-
11	Kuchaman	Water supply distribution network 313.746 km	-	-	-
		Sewage collection network Length: 149.77 m including 8.2 km trenchless	-	-	-
12	Makrana	Sewage collection network 95.04 km including 11.61 kms Trenchless	-	-	-
13	Mandawa	Water Supply Distribution network-108.4km	-	-	-
		Clear Water Reservoir (CWR)- 1 Nos. of 1200 KL capacity	-	-	-

		Transmission mains from CWR to OHSR/ESR - Length- 0.98 kms	-	-	-
		Rising Main - Length -0.91 km	-	-	-
14	Ladnu	Sewerage network 127.100 km	-	-	-
FSTP Towns:					
1	Neem Ka Thana	• Construction of FSTP of 12 KLD • Procurement of Desludging Vehicles	-	-	-
2	Bandi Kui	• Construction of FSTP of 16 KLD • Procurement of Desludging Vehicles	-	-	-
3	Jobner	• Construction of FSTP of 4 KLD • Procurement of Desludging Vehicles	-	-	-
4	Shahpura (Jaipur)	• Construction of FSTP of 12 KLD • Procurement of Desludging Vehicles	-	-	-
5	Bari	• Construction of FSTP of 21 KLD • Procurement of Desludging Vehicles	-	-	-
6	Deeg	• Construction of FSTP of 13 KLD • Procurement of Desludging Vehicles	-	-	-
7	Dausa	• Construction of FSTP of 31 KLD • Procurement of Desludging Vehicles	-	-	-
8	Tijara	• Construction of FSTP of 12 KLD • Procurement of Desludging Vehicles	-	-	-
9	Bhawani Mandi	• Construction of FSTP of 12 KLD • Procurement of Desludging Vehicles	-	-	-
10	Gangapur	• Construction of FSTP of 5 KLD • Procurement of Desludging Vehicles	-	-	-
11	Pilibanga Suratgarh	• Construction of FSTP of 14 KLD in Pilibanga • Procurement of Desludging Vehicles	-	-	-
12	Bhinder Kanode	• Construction of FSTP of 8 KLD • Procurement of Desludging Vehicles	-	-	-
13	Shahpura (Bhilwara)	• Construction of FSTP of 9 KLD • Procurement of Desludging Vehicles	-	-	-

2. COMPLIANCE STATUS WITH NATIONAL/ STA13TE/ LOCAL STATUTORY ENVIRONMENTAL REQUIREMENTS 14

Under RSTDSP all the statutory compliances are being fulfilled. Environmental regulatory compliances including consents for STP/WTP/Batching plant/ crushers/hot mix plants etc. from Rajasthan State Pollution Control Board (RSPCB) and clearances from other statutory authorities are being obtained before start of construction work. None of the project or its component fall within criteria set under EIA Notification 2006 therefore EIA clearance is not required in any project. Wild Life Act is also not applicable in any subproject in all the 14 project towns. Other statutory requirements include forest clearance, tree cutting permissions, Permission for road crossing from State and national Highway Authorities, Permission for railway crossings from Indian Railways Department, permission from Central/State Archaeological Department etc. Status of environmental statutory requirements and their compliances are given in **Table 6** below-

Table-6: Compliance of Sub-Projects with Statutory Requirements Applicable

S.N.	Package number	Name of Town and type of projects	Forest Clearance	Tree Cutting Permission	Permission from State/ National Archaeological dept.	Permission for NH/Highways/ Railways for crossing	Labor License of contractor And Workmen Compensation (WC) Policy	Permissions for Road Cutting
	1	2	3	4	5	6	7	8
1	RSTDIP/R TG-FTP-LXG/01	Ratangarh Sewerage	Not required	Tree Cutting permission obtained for 2 STPs and CRMC sites	Not required	• National Highway Crossing: NIL • Railway Crossing: Permission obtained for Railway crossing from Railway department vide letter no. 639/Pipe Xing/Km.323/8-9/RTGH/2021/12 dated 27.12.2021.	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 30.03.2025)	Not required
2		Fatehpur Sewerage	Not required	No tree cutting is required	Not required	• National Highway Crossing: Permission obtained vide letter no. NHAI/PIU/Sikar/RBFS/2 022-23/508 on dated 21.09.2022. • Railway Crossing: Permission obtained vide letter no. NWR-JP-2022-WL-18 &19 on dated 19.12.2022.	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 30.03.2025)	PIU intimated that the work at that location executed as per the advice of the Public Works Department(PWD). Now no Separate Road Cutting Permission Near Churu Bus Stand is required.
3		Laxmangarh Water Supply	Not required	Tree Cutting permission obtained for 4 trees at CWR site at Bad Ke Balaji, PHED campus	Not required	• National Highway Crossing: NIL • Railway Crossing: NIL	• Labour License Valid up to 31/12/2023 (Civil work completed) • Employee's Compensation Policy valid up to 30.03.2025)	Not required
4	RSTDIP/S RD/01	Sardarshah ar Water	Not required	Tree Cutting permission obtained for 5	Not required	• National Highway Crossing: NIL • Railway Crossing:	• Labour License Valid up to 31/12/2024	Not required

S.N.	Package number	Name of Town and type of projects	Forest Clearance	Tree Cutting Permission	Permission from State/ National Archaeological dept.	Permission for NH/Highways/ Railways for crossing	Labor License of contractor And Workmen Compensation (WC) Policy	Permissions for Road Cutting
		Supply and Sewerage		Trees at CWR and CRMC site at PHED campus.		permission obtained for Railway Crossing vide letter no. 639W/PipeXing/Km46/4 /SRDR /2021/03 dated 12.08.2021 for WW pipe line and vide letter no. 639W/ PipeXing/Km46/ 4/ SRDR/ 2021/ 02 dated 12.08.2021 for Water supply Pipe line.	Employee's Compensation Policy valid up to 30.03.2025)	
5	RSTDIP/S HR- ABR/01	Abu Road Water Supply and Sewerage	PIU has submitted application for forest clearance. Stage—1 clearance is obtained and an amount of Rs. 1.30 Cr is deposited on 22 Dec. 2023. Compliance of Stage -1 completed and report submitted to Forest department on 29.12.2023. Working permission is awaited from	Presently not required for any site except for pipe laying and intake at Bhainsa Singh Dam, which is covered under forest clearance	Not required	• National Highway Crossing: Applied to obtain the permission from NHAI for National Highway (NH-27) crossing- Permission Obtained • Railway Crossing Permission obtained for Railway crossing vide letter no. W/220/1 dated 18.02.2022	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 30.03.2025)	Not required

S.N.	Package number	Name of Town and type of projects	Forest Clearance	Tree Cutting Permission	Permission from State/ National Archaeological dept.	Permission for NH/Highways/ Railways for crossing	Labor License of contractor And Workmen Compensation (WC) Policy	Permissions for Road Cutting
			MoEF Regional center, Jaipur					
6		Sirohi Water Supply and Sewerage	Not required	09 trees at Angore Pump house WTP (9.0 MLD) at PHED campus and 09 trees at CWR site at Teen Batti Pump House permission obtained from the Thasildar office Sirohi Tree Cutting permission obtained for 1 tree at STP (1.7 MLD) at Revdar Road	Not required	• National Highway Crossing: NIL • Railway Crossing: NIL	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 30.03.2025)	Permission Obtained
7	RSTDIP/P RT/01	Pratapgarh Sewerage	Not required	Tree Cutting permission obtained for 1 tree at STP site and 3 trees at CRMC sites	Not required	• National Highway Crossing: Permission obtained for National Highway 113 crossing vide Letter No. no.RW/JA/RJ/PS/utility// 2021/464/302-305 dated 29.04.2022 from Ministry of Road Transport & Highways • Railway Crossing: NIL	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 24.11.2024)	Permission obtained for road cutting from PWD.for 3 roads.

S.N.	Package number	Name of Town and type of projects	Forest Clearance	Tree Cutting Permission	Permission from State/ National Archaeological dept.	Permission for NH/Highways/ Railways for crossing	Labor License of contractor And Workmen Compensation (WC) Policy	Permissions for Road Cutting
8	RSTDIP/BN/04	Banswara Water Supply and Sewerage	Not required	Tree Cutting permission obtained for 10 nos. of trees at WTP site at PHED campus.	Not required	• National Highway Crossing: NHAI, Banswara directed to Deposit the License Fees & BG via their Letter No. 690 dated 26-10-2023. Same is being complied to get the permission. • Railway Crossing: NIL	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 03.03.2025)	Permission Obtained from PWD, RSRDC and RVUNL for Road cutting
9	RSTDIP/KTR/03	Khetri Water Supply and Sewerage	Not required	Presently no tree cutting required	Not required	• State Highway Crossing permission obtained	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 31.10.2024	Not required (All roads are Municipal Roads)
10	RSTDIP/LDN-DID-MKN/01	Ladnu Sewerage	Not required	Presently no tree cutting required	Not required	• National Highway: Permission obtained vide letter no. NHAI/18013/1/2024-ROJ/Permission- Laying RCC Sewer Pipeline/ RUIDP/ 333/NH-65/ (New 58)/03463 on dated 19.03.2024 • Railway Crossing: permission obtained vide application ID: NWR-JU-2021-WL-165 dated 05-01-2023 • State highway clearance is granted but on hold.	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 30.03.2025)	Not required
11		Didwana Sewerage	Not required	Tree cutting permission	Not required	• National Highway: NIL	• Labour License	Not required

S.N.	Package number	Name of Town and type of projects	Forest Clearance	Tree Cutting Permission	Permission from State/ National Archaeological dept.	Permission for NH/Highways/ Railways for crossing	Labor License of contractor And Workmen Compensation (WC) Policy	Permissions for Road Cutting
				obtained under letter no. 3049-3051 on dated 07.12.2021		• Railway Crossing: NIL	Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 30.03.2025	
12		Makrana Sewerage	Not required	The Permission of around 130 Neem trees at STP site (7.7 MLD) obtained from Municipal council, Makrana vide letter no. L/2021-22/3440 dated 16.12.21 with plantation of trees with its thrice capacity	Not required	• State Highway Crossing: Permission obtained for SH crossing from PWD vide letter no. PIU/ PPP /Laxmangarh/MMB/Utilit y/21-22/D-601 dated 11.01.2022 • Railway Crossing: Permission for Railway crossing obtained vide letter no. Letter No: - Application ID: NWR-JU-2022-WL-263 dated 24-09-2022	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 30.03.2025	Permission Obtained for Road cutting.
13	RSTDIP/K MN/1002	Kuchaman Water Supply and Sewerage	Not required	Presently no tree cutting required	Not required	• National Highway: NIL • Railway Crossing: NIL	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 30.03.2025	Permission obtained for Dismantling of carriage of RSRDC road vide letter no.PD/NGR/2023-24/136 on dated 18.12.2023
14	RSTDIP/ MDW/03	Mandawa Water	Not required	Permission for 13 tree	Not required	• Presently Not required	• Labour License Not Required as	Not required

S.N.	Package number	Name of Town and type of projects	Forest Clearance	Tree Cutting Permission	Permission from State/ National Archaeological dept.	Permission for NH/Highways/ Railways for crossing	Labor License of contractor And Workmen Compensation (WC) Policy	Permissions for Road Cutting
		Supply and Sewerage		cutting at 3.90 MLD STP site, obtained			the contractor have substantially completed the work and no. of labors are deployed less than 50 for remaining work. • Employee's Compensation Policy valid up to 25.04.2025.	
15	(FSTP 4 Town Cluster 01)	Cluster 01 of 4 towns	Not required	Not required	Not required	Not required	• Labour License Valid up to 31/12/2024 • Employee's Compensation Policy valid up to 22.09.2024	Not required
16	(FSTP 9 Town Cluster 02)	Cluster 02 of 9 towns	Not required	Not required	Not required	Not required	• Labour License Valid up to 31/12/2024. • Employee's Compensation Policy valid up to 01.01.2026	Not required

Note: As ULB is part of the project and asset owner of all municipal roads and all the DPRs are also approved by ULB, there is general acceptance of road cutting for RSTDSP project works in all towns. For any specific requirement, approval from ULB shall be taken and reported in SEMR.

Table 6A: Status of Consents from State Pollution Control Board for STPs/WTPs

S.No.	Town	Capacity of STP	Capacity of WTP	Location	Status of CTE	Status of CTO
New Construction						
1	Ratangarh	3.8 MLD		Johad	CTE obtained and Valid from 03.12.2020 to 30.11.2025 under Air Act & Valid from 12.02.2021 to 31.01.2026 under Water Act	CTO obtained and valid from 20/04/2023 to 31/03/2028. CTO for DG Set (160 KVA) at STP Plant applied on 02.09.2024 under air act and status pending at RSPCB. CTO for DG Set (140 KVA) at SPS BSNL office applied on 30.09.2024 under air act and status pending at RSPCB.
2	Ratangarh	6.10 MLD		Near Gaushala	CTE obtained and Valid from 03.12.2020 to 30.11.2025 under Air Act & Valid from 12.02.2021 to 31.01.2026 under Water Act	
3	Fatehpur	4.3 MLD		Naribari village road	CTE obtained and Valid from 07.9.2020 to 31.08.2025 under Air Act & Valid from 16.02.2021 to 31.01.2026 under Water Act.	CTO obtained and valid from 27.04.2023 to 31.03.2028 CTO for DG sets (35 KVA at 0.6 MLD SPS, 125 KVA at 3.5 MLD SPS and 35 KVA at 1.1 MLD SPS) applied under air act and status pending at RSPCB.
4	Sardarshahar	2.30 MLD		STP South Campus	CTE obtained and Valid from 15.10.2020 to 30.09.2025 under Air Act & Valid from 13.02.2021 to 31.01.2026 under Water Act	
5	Sardarshahar	3.40 MLD		STP North Campus	CTE obtained and Valid from 15.10.2020 to 30.09.2025 under Air Act & Valid from 13.02.2021 to 31.01.2026 under Water Act	
6	Sardarshahar	1.60 MLD		Near Ashok Circle in land of GVM	CTE obtained and Valid from 10.02.2023 to 31.01.2028	

S.No.	Town	Capacity of STP	Capacity of WTP	Location	Status of CTE	Status of CTO
7	Abu Road	6.9 MLD		Santpur	CTE obtained and Valid from 15.02.2021 to 31.01.2026	CTO applied on dated 28.06.2024 under water act and status pending at RSPCB
8	Abu Road	2.3 MLD		Manpur	CTE obtained and Valid from 15.02.2021 to 31.01.2026	CTO applied on dated 28.06.2024 under water act and status pending at RSPCB
9	Abu Road		10 MLD	Santpur PHED campus	CTE obtained and Valid from 15.02.2021 to 31.01.2026	
10	Sirohi	5 MLD		Near Nehru Nagar	CTE obtained and Valid from 11.02.2021 to 31.01.2026	CTO obtained and valid from 28.06.2023 to 31.05.2028
11	Sirohi	1.7 MLD		Near Revdar Road	CTE obtained and Valid from 11.02.2021 to 31.01.2026	
12	Sirohi		9 MLD	Angore PHED campus	CTE obtained and Valid from 31.03.2021 to 28.02.2026	
13	Banswara	9.6 MLD		At Udaipur Road	CTE obtained and Valid from 08.07.2021 to 30.06.2026. CTE for DG Set 62.5 KVA at 0.67 MLD SPS, 100 KVA at 1.7 MLD SPS and 625 KVA at STP plant applied under air act on dated 22.08.2024 and status pending at RSPCB.	
14	Banswara		9.25 MLD	PHED AEN Campus	CTE obtained and Valid from 17.11.2021 to 31.10.2026	
15	Pratapgarh	7 MLD		Jain Gosala, Kila Road	CTE obtained and Valid from 16.03.2021 to 28.02.2026	CTO obtained and valid up to 31.08.2028
16	Didwana	3MLD		Near Mela Maidan	CTE obtained and Valid from 10.02.2021 to 31.01.2026	
17	Kuchaman	7.6 MLD		Near Dashahara Ground	CTE obtained and Valid from 29.01.2021 to 31.12.2025	
18	Ladnu	5.50 MLD		Asota Village	CTE obtained and Valid from 27.01.2021 to 31.12.2025	

S.No.	Town	Capacity of STP	Capacity of WTP	Location	Status of CTE	Status of CTO
19	Ladnu	2.4 MLD		Sujangarh Road	CTE obtained and Valid from 04.11.2022 to 31.10.2027	
20	Makrana	7.70 MLD		Existing campus of STP	CTE obtained and Valid from 08.02.2021 to 31.01.2026	
21	Khetri	3.15 MLD		Village Nanu wali Bawdi Khasra No 984-988, Khetri	CTE obtained and Valid from 17.11.2022 to 31.10.2027	
22	Mandawa	3.9 MLD		Bissau Road	CTE obtained and Valid from 16.02.2021 to 31.01.2026 under water act; CTE obtained under air act and valid from 01.11.2023 to 31.10.2028.	CTO applied on dated 23.08.2024 and status pending at RSPCB
Upgradation/Rehabilitation works						
23	Sardarshahar	5 MLD WSP		South campus	CTE obtained and Valid from 16.09.2022 to 31.08.2027	
24	Sardarshahar	2 MLD WSP		North Campus	CTE obtained and Valid from 16.09.2022 to 31.08.2027	
25	Banswara		4.5 MLD	WTP at Kagdi Pickup weir	CTE obtained and Valid from 09.12.2022 to 30.11.2027	
26	Banswara		10.40 MLD	AEN Campus	CTE obtained and Valid from 17.11.2022 to 31.10.2027	
27	Banswara	6.34 MLD WSP		Udaipur Road	CTE obtained and Valid from 19.10.2022 to 30.09.2027	

Table 6B: Status of Consents from State Pollution Control Board for FSTPs

S.No.	FSTP Town	Capacity of FSTP	Location	Status of CTE
1	Neem Ka Thana	12 KLD	Ranasar Road	CTE obtained and valid from 02.11.2023 to 31.10.2028
2	Shahpura (Jaipur)	12 KLD	Khasra no. 3703, Pratappura near Ramnivas Bagh	CTE will be applied after Land allotment is done
3	Bandi Kui	16 KLD	Khasara no 1378/899, Abaneri road, Bandikui	CTE obtained and valid from 07.12.2023 to 30.11.2028
4	Jobner	4 KLD	Khasra no. 137 in Pratappura village	CTE obtained and valid from 07.12.2023 to 30.11.2028
5	Bari	23 KLD	Khasra no. 6073,Bari	CTE obtained and valid from 23.11.2023 to 31.10.2028
6	Deeg	15 KLD	Near old Chungi, Naka/Malipura Road at Khasra no. 1041, Deeg	CTE obtained and valid from 02.01.2024 to 31.12.2028
7	Dausa	31 KLD	Rohda village, Dausa, Khasra no. 584/909	CTE obtained and valid from 27.09.2023 to 31.08.2023
8	Tijara	12 KLD	Khasra no 147-148, village Elaka, Tijara	CTE obtained and valid from 09.01.2024 to 31.12.2028
9	Bhawani Mandi	12 KLD	village Pachpahaad, Jhalawar, Khasra no. 80, Bhawani Mandi	CTE obtained and valid from 23.11.2023 to 31.10.2028
10	Shahpura (Bhilwara)	12 KLD	Shahpura village at Khasra no. 3189, near Jahajpur Road, Shahpura (Bhilwara)	CTE obtained and valid from 09.03.2024 to 28.02.2029
11	Gangapur (Bhilwara)	5 KLD	Khasra no. 2328 in Meluni Khera village, Shada tehsil, Gangapur	CTE obtained and valid from 18.01.2024 to 31.12.2028
12	Bhinder Kanore	8 KLD	Gopalpura Village at Khasra no. 211/2, Kanor	CTE obtained and valid from 19.01.2024 to 31.12.2028
13	Pilibanga (Hanumangarh)- Suratgarh (SriGanganagar)	14 KLD	Lakhuwali Road at Kila number 16-20, Murabba number 21, Patthar number 26/313, PBN Chak, Pilibanga	CTE obtained and valid from 09.03.2024 to 28.02.2029

Table 7: Compliance of Clearance Conditions

Name of plant and locations	Conditions of Clearance / Permission	Status of Compliance
A. RSPCB consents		
General conditions included in Consent to Establish of STPs		
All STPs	In addition to above total suspended solids in the treated effluent before disposal shall not exceed 20 mg/l.	Complied in design- Total suspended solids in the treated effluent before disposal shall not exceed 20 mg/l.
	That no treated/untreated wastewater shall be discharged into any river or water body and entire treated sewage shall be utilized in plantation/horticulture and other gainful purposes.	To be complied during operation- No treated/untreated wastewater shall be discharged into any river or water body and entire treated sewage shall be utilized in plantation/horticulture and other gainful purposes, plan will be prepared by contractor for reuse of treated effluent in beneficial uses.
	That the Sludge will be properly digested de-watered & the treated sludge will be used as manure or will be disposed in a scientific manner.	Complied in design- sludge drying units have been proposed in STPs. Sludge will be properly digested de-watered & the treated sludge will be used as manure or will be disposed in a scientific manner.
	That the unit shall undertake spray of insecticides time to time to control fly/mosquito growth in the area	To be complied during operation- Regular spray of insecticides shall be done during operation in premises of STP to control fly/mosquito growth in the area
	That the unit shall undertake plantation in two rows of suitable species all along the periphery of the site of the STP to control foul smell.	To be complied before operation- Plantations are proposed in two rows all along the periphery of the site of the STP to control foul smell
	That above stated effluent standards is subject to the Hon'ble NGT order dated 30/4/2019 in matter of O.A. no 1069/2018 Nitin Shankar Deshpande Vs Union of India and Ors.	Complied- treated effluent parameters meets the standards as per given NGT orders in all STP designs
	That efforts should be made to reuse the treated sewage to the maximum possible extent and minimize its discharge. A network of pipelines should be laid from the treated sewage collection tank to fields for utilization.	To be complied- Treated sewage shall be reused in beneficial purposes to the maximum possible extent, reuse plan for treated effluent and sludge shall be prepared by DBO contractor in consultation with local body.
	That adequate measures shall be taken to avoid foul odour during treatment and disposal of sewage and sludge.	Being complied; Adequate measures such as dense plantations around STPs are being planted to avoid foul odour during treatment and disposal of sewage and sludge before start of operation of STPs

Name of plant and locations	Conditions of Clearance / Permission	Status of Compliance
TOWN WISE SPECIFIC CONDITIONS FOR BELOW MENTIONED CONSENTS OF STP'S		
2.3 MLD STP, Sardarshahar	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs.1341 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
3.4 MLD STP, Sardarshahar	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs.1564 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
1.7 MLD STP, Sirohi	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs.1180.4 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 160 KVA	Application for DG set under Air Act shall be done before installation of DG set- presently DG set is not being installed
5 MLD STP, Sirohi	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs.2290 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 300 KVA	Application for DG set under Air Act shall be done before installation of DG set.
2.3 MLD STP, Abu Road	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs.1852 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 225 KVA	Application for DG set under Air Act shall be done before installation of DG set.
6.9 MLD STP, Abu Road	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs.2536 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention	Application for DG set under Air Act shall be done before installation of DG set.

Name of plant and locations	Conditions of Clearance / Permission	Status of Compliance
	& Control of Pollution), Act, 1981 for D.G. Set of 585 KVA	
4.3 MLD, Fatehpur	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 2064 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
3.8 MLD, Ratangarh Town	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 1663 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
6.10 MLD, Ratangarh Town	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 2177.7 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
7 MLD STP, Pratapgarh	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 1440 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 125 KVA	Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 125 KVA obtained
3.15 MLD STP, Khetri	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 865 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 180 KVA	Application for DG set under Air Act shall be done before installation of DG set- presently DG set is not being installed
3.9 MLD STP, Mandawa	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 1625 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 180 KVA	Application for DG set under Air Act shall be done before installation of DG set- presently DG set is not being installed
7.6 MLD STP, Kuchaman	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 2697 lacs and in case	Noted and shall be complied if there is any change in project cost- presently not applicable

Name of plant and locations	Conditions of Clearance / Permission	Status of Compliance
	of any increase in the project cost, the project proponent shall be liable to deposit balance amount	
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 365 KVA	Application for DG set under Air Act shall be done before installation of DG set- presently DG set is not being installed
5.5 MLD STP, Ladnu	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 2475 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 300 KVA	Application for DG set under Air Act shall be done before installation of DG set- presently DG set is not being installed
7.7 MLD STP, Makrana	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 2726 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. Set of 365 KVA	Application for DG set under Air Act shall be done before installation of DG set- presently DG set is not being installed
3 MLD STP, Didwana	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 2230 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
	That Project Proponent shall apply for Consent to Establish under Air(Prevention & Control of Pollution), Act, 1981 for D.G. set of 180 KVA	Application for DG set under Air Act shall be done before installation of DG set- presently DG set is not being installed
9.6 MLD STP, Banswara	That fee for this consent to establish has been deposited on the basis of estimated project cost and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
1.6 MLD STP, Sardarshahar	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 1024 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
2.4 MLD STP Ladnu	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 1780 lacs and in case of any increase in the project cost, the	Noted and shall be complied if there is any change in project cost- presently not applicable

Name of plant and locations	Conditions of Clearance / Permission	Status of Compliance
	project proponent shall be liable to deposit balance amount	
5 MLD WSP Sardarshahar	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 442 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
2 MLD WSP Sardarshahar	That fee for this consent to establish has been deposited on the basis of estimated project cost of Rs. 233.22 lacs and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
6.34 MLD WSP Banswara	That fee for this consent to establish has been deposited on the basis of estimated project cost and in case of any increase in the project cost, the project proponent shall be liable to deposit balance amount	Noted and shall be complied if there is any change in project cost- presently not applicable
General conditions included in Consent to Establish of WTPs		
All WTPs	That the provisions of EIA notification 14/09/2006 by MoEF shall be strictly followed and the unit shall obtain Environmental Clearance under 8(a) of the aforesaid notification if required and the sole responsibility of the same shall lie on the project proponent.	Not applicable
	That this consent to establish is issued to the unit on the basis of documents submitted by the applicant, if any discrepancy is found in the document/facts submitted by the unit then the applicant shall be liable for legal action in accordance with provisions of law.	Noted
	That no industrial trade effluent i.e. wastewater from water re-circulation system, shall be discharged inside/outside the premises. The entire process water shall be re-circulated with the processes through proposed settling tanks	Complied- The entire process water shall be re-circulated with the processes through proposed settling tanks, no any discharge from WTP shall be done
	That the back-wash water shall be treated through adequately design treatment system and should be completely recycled into the process thus maintaining zero discharge inside and outside the premises	Complied- The entire process water shall be re-circulated with the processes through proposed settling tanks, no any discharge from WTP shall be done
	That the domestic effluent shall be disposed off in soak pits through properly designed septic tanks	Noted and shall be complied with during detail design
	That no source of air emission shall be permitted under this consent, unit shall	DG set may be only source of air pollution in WTP. Application for DG set under Air Act

Name of plant and locations	Conditions of Clearance / Permission	Status of Compliance
	apply for separate consent to establish under the provisions of Air Act-1981 if there is proposal for any source of air emission	shall be done before installation of DG set- presently DG set is not being installed
	All the conditions and instructions as provided in the General conditions for Consent to establish/consent to operate under Water (Prevention & Control of Pollution) Act -1974 shall be complied with strictly	Noted and shall be complied with
	That rain water harvesting system shall be provided to harness rain water for domestic purposes & that the industry shall not dig new well / tube well without prior permission from the competent authority	Provision for rain water harvesting system is taken in project cost- shall be complied during detail design
	That the industry shall ensure that noise from the unit does not exceed the prescribed noise standards for industrial area i.e. 75 dB(A) Leq during day time and 70 dB(A) Leq during night time to meet the prescribed ambient noise standards. Day time is reckoned in between 6 A.M. and 9 P.M. and night time is reckoned between 9 P.M. to 6 A.M.	Being Complied- Quarterly environmental monitoring was done at WTP premises. Recent noise quality measurements shows that noise level is within prescribed limits
	That the unit shall maintain plantation at least in the 33% of total area within the unit premises	Noted and shall be complied during detail design
	That the consent is valid subject to fulfillment of all the other statutory requirements in other Laws/Acts/Rules as applicable.	Noted
	That this consent is not an evidence for ascertaining the title of land	Noted
	That this consent is only for environment purpose not be liable for any other purpose.	Noted
	That unit shall comply with standards, with respect to drinking water, as prescribed by the Bureau of Indian Standards in IS 10500-2012 as amended till date.	Design standards of WTP are as per applicable norms of CPHEEO
	That the unit shall apply for renewal of consent at least 120 days in advance prior to expiry date of this consent letter else additional fee shall have to be deposited in accordance with the Rajasthan Water & Air (Prevention & Control of Pollution) (Amendment) Rules 2016	Noted and shall be complied with

Name of plant and locations	Conditions of Clearance / Permission	Status of Compliance
TOWN WISE SPECIFIC CONDITIONS FOR BELOW MENTIONED CONSENTS OF WTP		
10 MLD WTP, Abu Road	That this consent is being issued to EE, PHED for Operating of Water Treatment Plant of capacity 10.0 MLD at Near Moksh Dham, Santpur, Abu Road, Sirohi. In case of any increase in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel, the project proponent is required to obtain fresh consent to establish from the Board.	Noted and shall be complied if there is any change in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel- not applicable at present
	That this Consent to Establish is valid for Water Treatment Plant (with recycling system) for a investment of 1247 lakh under 'Orange' category. any change in production & its capacity unit has to seek prior consent to establish/operate from the State Board	Noted and shall be complied if there is any such change- not applicable at present
	That this consent is subject to any order or direction from any Court of the competent jurisdiction	Noted
9 MLD WTP, Sirohi	That this consent is being issued to EE, PHED for Operating of Water Treatment Plant of capacity 9.0 MLD at near Angore Sirohi. In case of any increase in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel, the project proponent is required to obtain fresh consent to establish from the Board.	Noted and shall be complied if there is any change in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel- not applicable at present
	That this Consent to Establish is valid for Water Treatment Plant (with recycling system) for a investment of Rs. 336.3 lakh under 'Orange' category. any change in production & its capacity unit has to seek prior consent to establish/operate from the State Board	Noted and shall be complied if there is any such change- not applicable at present
9.25 MLD WTP, Banswara	That this consent is being issued to EE, PHED for Operating of Water Treatment Plant of capacity 9.25 MLD at Office of Executive Engineer, Thikriya Dahod Road, Banswara. In case of any increase in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel, the project proponent is required to obtain fresh consent to establish from the Board.	Noted and shall be complied if there is any change in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel- not applicable at present
	That this Consent to Establish is valid for Water Treatment Plant (with recycling system) for a investment of Rs. 1100.00 lakh under 'Orange' category. any change in production & its capacity unit has to	Noted and shall be complied if there is any such change- not applicable at present

Name of plant and locations	Conditions of Clearance / Permission	Status of Compliance
	seek prior consent to establish/operate from the State Board	
4.5 MLD WTP, Banswara	That this consent is being issued to EE, PHED for Operating of Water Treatment Plant of capacity 4.5 MLD at Existing WTP at Kagdi Pick up weir Dam Banswara. In case of any increase in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel, the project proponent is required to obtain fresh consent to establish from the Board.	Noted and shall be complied if there is any change in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel- not applicable at present
	That this Consent to Establish is valid for Water Treatment Plant (with recycling system) for a investment of 511.0 lakh under 'Orange' category. any change in production & its capacity unit has to seek prior consent to establish/operate from the State Board	Noted and shall be complied if there is any such change- not applicable at present
10.4 MLD WTP, Banswara	That this consent is being issued to EE, PHED for Operating of Water Treatment Plant of capacity 10.4 MLD at PHED AEN Campus, Near Old Bus Stand Banswara. In case of any increase in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel, the project proponent is required to obtain fresh consent to establish from the Board.	Noted and shall be complied if there is any change in capacity or addition/ modification/ alteration/ or change in product mix or process or raw material or fuel- not applicable at present
	That this Consent to Establish is valid for Water Treatment Plant (with recycling system) for a investment of 1181.0 lakh under 'Orange' category. any change in production & its capacity unit has to seek prior consent to establish/operate from the State Board	Noted and shall be complied if there is any such change- not applicable at present
B. Tree cutting permission		
Office Premises and Bad ke Balaji Campus, Laxmangarh	Tree Cutting permission given without any terms & condition.	Kindly refer Appendix 3 for copy of the same
PHED Campus, Sardarshahar	Number of new trees to be grown under Rule 24 J (2)- total 25 trees	Complied- contractor has planted 50 trees in STP campus of Sardarshahar
	Wood of cut trees shall be used for cremation and after planting 25 new trees on Government land/Public place, a physically verified report by Local Revenue Officer (Patwari) shall be submitted.	Only 2 trees cut till now . Wood of cut trees are kept at site and shall be handed over to Nagar Palika, when all trees are cut as per design requirement
Aaraji No.3035/3026 and	Applicant shall cut the trees on his own expenses and within the stipulated duration.	Tree is cut at site and wood of tree is kept at site for further process Tree plantation is done by contractor.

Name of plant and locations	Conditions of Clearance / Permission	Status of Compliance
1135 Pratapgarh (STP site)	• Applicant shall be responsible for his own for any damage/public loss • After bidding of wood of cut trees, the amount shall be deposited in treasury • Applicant shall plant 5 trees in place of 1 tree.	
PHED Campus, Banswara	• Due to the presence of electricity line, trees should be cut with proper protective measures. • There should be no issue in transportation on road area • There should be no damage/public loss • After bidding of wood of cut trees, the amount shall be deposited in treasury	
3.8 MLD STP Site Ratangarh	• Tree cutting permission obtained from Municipal Council under letter no. 2021/1496 on dated 12.07.2021	
CWR & PH, Sirohi	• The Permission of 9 trees at CWR & PH obtained from Tehsildar office, Sirohi vide letter no. 2022/348 dated 16.03.2022 plantation of trees with its quadruple capacity	
Didwana	• The Permission for 5 Neem Tree cutting obtained from Tehsildar office under letter no. 3049-3051 on dated 07.12.2021	
Makrana	• The Permission of around 160 Neem trees at STP site (7.7 MLD) obtained from Municipal council, Makrana vide letter no. L/2021-22/3440 dated 16.12.21 plantation of trees with its thrice capacity	

COMPLIANCE STATUS WITH ENVIRONMENTAL LOAN COVENANTS**Table -8: Compliance with Environmental Loan Covenants**

Section	Loan Covenants	Compliance Status	Action Required
LA. Schedule 4. Execution of Project			
Implementation Arrangements	3. The Borrower shall ensure or cause the EA to ensure that its PMU, Zonal Project Offices, and its PIUs within the Project ULBs, employ sufficient staff including increasing the number of adequate staff as included in the PAM, with relevant expertise in the fields of project management, financial management, engineering, procurement, operations and management, and environmental and social safeguards implementation. The EA will ensure that the PMU, Zonal Offices, and the PIUs housed in the Project ULBs, are equipped with the necessary staff, office space, facilities, equipment, support staff and management information systems for the entire duration of the Project and thereafter.	Complied- Sufficient staff is mobilized in PMU, Zonal PIUs, and town PIUs as per PAM and equipped with required office, facilities, equipment and support staff	Nil
	4. The Borrower shall ensure or cause the EA to ensure that towards smooth implementation of the Project, grievances if any from stakeholders relating to the Project implementation or use of funds are addressed effectively and efficiently.	Being Complied, Grievance Redress Mechanism is functional	Nil
Counterpart Support	5. (c) As necessary, respective counterpart staff, land facilities, and implementation and monitoring of respective EMPs, RPs and RPPs as applicable (including unforeseen expenses beyond the estimates), utility shifting, operations and maintenance of Project facilities, and general Project management expenses in a timely manner through approved annual budget allocations or other means; and	Being complied- annual budget for expenses for project management is being allocated by Government	Nil
	(d) Sufficient funds to satisfy the EA's liabilities arising from any Works, Goods and/or Consulting Services contract under the Project.	Being complied- sufficient budget is allocated by Government	Nil
Subproject Selection Criteria	6. The Borrower shall ensure or cause the EA to ensure that: (a) All Subprojects are selected and approved in accordance with the agreed Subproject Selection Criteria and approval process stipulated in the PAM;	Being complied- all Subprojects are selected and approved in accordance with the agreed Subproject Selection Criteria	Nil
	(b) All documents forming the basis for screening, selection and processing of Subprojects are made available to ADB upon request and are kept for such purposes for a minimum period of five years after submission of the Project completion report.	Being complied- all documents as required by ADB are being provided by PMU	Nil

Section	Loan Covenants	Compliance Status	Action Required
Condition for award of contracts	11. The Borrower shall ensure, or cause the EA to ensure, that no Works contract is awarded which involves environmental impacts until the EA has: (a) Prepared, submitted and obtained final approval of the relevant IEE from ADB and the relevant forest and environment clearances from statutory authorities of the Borrower and the State as applicable;	Being Complied- all works are awarded after draft IEEs are approved by ADB, IEEs are being updated as per approved designs	Nil
	(b) Incorporated the relevant provisions from the respective EMP into the related Works contract;	Being Complied, IEE and EMP is part of works contracts	Nil
	(c) Prepared and submitted to ADB a groundwater sustainability report for each Subproject that involves ground water extraction.	Complied- Ground water sustainability report is included in IEEs, where ground water extraction is required	Nil
Safeguards-Environment	13. The Borrower shall ensure or cause the EA to ensure that the preparation, design, construction, implementation, operation and decommissioning of Subprojects and Project facilities comply with (a) all applicable laws and regulations of the Borrower and the State relating to environment, health, and safety; (b) the Environmental Safeguards; (c) the EARF; and (d) all measures and requirements set forth in the IEE (including the heritage impact assessment wherever applicable) and EMP, and any corrective or preventative actions set forth in a Safeguards Monitoring Report. No Category A subprojects will be financed under the Project.	Being Complied- only category B projects are considered in RSTDSP, all the applicable laws and regulations are being complied, environmental safeguards as per EARF are being complied	Nil
	17. Notwithstanding the stipulation that no Category A Subprojects under environment, involuntary resettlement or indigenous people, will be financed under the Project, in the unforeseen situation of change in categorization of a Subproject that is under implementation, to Category A, the Borrower shall ensure or cause the EA to ensure, in consultation with ADB that such Subproject shall be completed in full compliance of the ADB Safeguard Policy requirements and applicable laws and regulations of the Borrower and the State.	Being Complied, all sub-projects are under Category B and not fulfilling the criteria of Category A	Nil
Human and Financial Resources to Implement Safeguards Requirements	18. The Borrower shall ensure or cause the EA to ensure that all necessary budgetary and human resources to fully implement the EMPs, the RPs and any RPPs (as applicable) are made available on a timely basis.	Being Complied- required budget and staff is provided in all project towns	Nil

Section	Loan Covenants	Compliance Status	Action Required
Safeguards – Related Provisions in Bidding Documents and Works Contracts	19. The Borrower shall ensure or cause the EA to ensure that all bidding documents and contracts for Works contain provisions that require contractors to: (a) Comply with the measures and requirements relevant to the contractor set forth in the IEE, the EMP, the RP(s) and any RIPP, if any (to the extent they concern impacts on affected people during construction), and any corrective or preventative actions set out in a Safeguards Monitoring Report;	Being Complied- IEE and EMP is part of bid and contract documents of each project and being complied at site	Nil
	(b) Make available a budget for all such environmental and social measures;	Being complied- EMP cost is included in contract bids	Nil
	(c) Provide the EA with a written notice of any unanticipated environmental, resettlement or indigenous peoples risks or impacts that arise during construction, implementation or operation of the Project that were not considered in the IEE, the EMP, the RP/RIPP (as applicable);	Being Complied- any unanticipated environmental impacts are being reported to ADB through IEE updates, QPRs and SEMRs	Nil
	(d) Adequately record the condition of roads, agricultural land and other infrastructure prior to starting to transport materials and construction; and	Being Complied- conditions of roads, agricultural land and other infrastructure are being recorded before start of construction works	Nil
	(e) Fully reinstate pathways, other local infrastructure, and agricultural land to at least their pre-project condition upon the completion of construction.	Pathways are restored as soon as construction is completed in that stretch. Permanent establishments (Stores, etc) Will be reinstated after construction is completed	NIL
Safeguards Monitoring and Reporting	20. The Borrower shall ensure or cause the EA to ensure the following: (a) submit semiannual Safeguards Monitoring Reports to ADB and disclose relevant information from such reports to affected persons promptly upon submission;	Being complied- Semiannual Safeguards Monitoring Reports are being submitted to ADB	Nil
	(b) If any unanticipated environmental and/or social risks and impacts arise during construction, implementation or operation of the Project that were not considered in the IEEs, the EMPs, the RPs or any RIPP (as applicable), promptly inform ADB of the occurrence of such risks or impacts, with detailed description of the event and proposed corrective action plan; and	Being Complied- any unanticipated environmental impacts are being reported to ADB through IEE updates, QPRs and SEMRs	Inform to ADB about any unanticipated environmental and/or social risks and impacts raised during construction works

Section	Loan Covenants	Compliance Status	Action Required
	(c) Report any breach of compliance with the measures and requirements set forth in the relevant EMP, the RP or RIPP (as applicable) promptly after becoming aware of the breach.	Will be Complied- any breach of compliance with the measures and requirements set forth in the relevant EMP, the RP or RIPP (as applicable) shall be reported to ADB	Inform to ADB about any breach of EMP, RP or RIPP
Prohibited List of Investments	21. The Borrower shall ensure or cause the EA to ensure that no proceeds of the Loan are used to finance any activity included in the list of prohibited investment activities	Complied- no prohibited investment activities are being considered in RSTDSP	Nil
Labor Standards	22. The Borrower shall ensure or cause the EA to ensure that Works contracts under the Subprojects and the Project follow all applicable labor laws of the Borrower and the State and that these further include provisions to the effect that contractors (i) carry out HIV/AIDS awareness programs for labor and disseminate information at worksites on risks of sexually transmitted diseases and HIV/AIDS as part of health and safety measures for those employed during construction; and (ii) follow and implement all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions. Such contracts shall also include clauses for termination in case of any breach of the stated provisions by the contractors.	Being complied- HIV/AIDS awareness Training was carried out in Sardarshahar, Abu Road, Sirohi and will be done in Banswara, Mandawa, Khetri, Makrana, Kuchaman, Didwana & Ladnu towns in due course. Being Complied- Project is implementing all statutory provisions on labor (including not employing or using children as labor, equal pay for equal work), health, safety, welfare, sanitation, and working conditions.	Nil
Project Agreement. Article II. Particular Covenants			
Section 2.05.	(a) The State shall take out and maintain with responsible insurers, or make other arrangements satisfactory to ADB for, insurance of Project facilities to such extent and against such risks and in such amounts, as shall be consistent with sound practice.	Being Complied- all the required insurances as per contract agreement and need is being done in all projects	Nil
	(b) Without limiting the generality of the foregoing, the State, shall insure, or cause to be insured, the Goods to be procured including imported for the Project against hazards incident to the acquisition, transportation and delivery thereof to the place of use or installation, and for such insurance any indemnity shall be payable in a currency freely usable to replace or repair such Goods.	Being Complied- all the required insurances as per contract agreement is being done in all projects	Nil

3. COMPLIANCE STATUS WITH THE ENVIRONMENTAL MANAGEMENT AND MONITORING PLAN

11. Environmental management and monitoring plan has been prepared for all the sub projects and included in respective IEEs. Periodical monitoring is conducted by environmental Professional and support staff of CMSC1 & 2 through site visits, public consultations, consultations with labors and contractors' staff, verifications of documents and environmental monitoring for ambient air and noise conditions, soil and water quality analysis through third party monitoring agencies.

12. As per IEEs, contractor is required to submit Site Specific EHS Plan (SEMP). SEMP of all 14 towns are submitted by the contractor and approved. Contractors are following mitigation measures as per SEMP and EMP at project sites.

13. Compliance status with the environmental management and monitoring plan of the sub-projects are given in following **Table 9**, photographs of safeguard compliance is shown in **Appendix 1**, and environmental site visit reports are attached in **Appendix 4**.

ENVIRONMENTAL MONITORING TABLES

Table 9: EMP Compliance Status of All Sub-projects under RSTDSP

(Abbreviations of town names- RTG: Ratangarh, FTP: Fatehpur, LXM: Laxmangarh, SRD: Sardarshahar, SHR: Sirohi, ABR: Abu Road, PRT: Pratapgarh, BNS: Banswara, KTR: Khetri, MND:Mandawa, KMN: Kuchaman, LDN: Ladnu, MKR: Makrana, DID: Didwana)

Table 9A: Design Phase

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
Sewerage Treatment Plant- Odour nuisance and aesthetics: - Provide a green buffer zone of 10-20 m wide all around the STP, and 5-10 m around SPSs, with trees in multi-rows. This will act as a visual screen around the facility and will improve the aesthetic appearance. Treated wastewater shall be used for plantation. - Develop layout plan of STP such that odour generating units (such as sludge / solids handling facilities are located away from the surrounding area with future development potential.	- Buffer zone provided around STP with dense tree plantations - STP layout	C	C	NA	C	C	C	C	C	C	C	C	C	C	C	DBO Contract or / PIU
All Work sites-Tree cutting and site preparation: - Minimize removal of trees by adopting to site condition and with appropriate layout design of STP/SPS or any other site with trees - Obtain prior permission for tree cutting at STP/SPS site or at any other site that may require tree cutting finalized during detailed design - Plant and maintain 3 trees for each tree that is removed	- List of trees to be cut - Tree cutting permission - Compensatory plantations	C	C	C	C	C	BC	C	C	C	C	C	C	C	C	DBO Contract or / PIU/ CMSC/P MCBC
Design of water supply system - Non-compliance or non-adherence with the environmental considerations proposed in preliminary designs during detailed design: Ensure compliance with the following during the detailed design: - Adopting conjunctive use approach water source; utilizing feasible surface water sources and groundwater source optimally thereby reducing the existing groundwater abstraction to the extent possible - Locating components and facilities appropriately by avoiding sensitive locations like forests and protected areas (environmentally, socially, and archeologically). - Designing the entire system to maintain optimal flow and terminal pressure, and optimizing the overall energy usage. - Avoiding usage of asbestos containing materials. - Reducing the incidence of water borne diseases by providing 100% population including urban poor with potable water supplies - Provision of appropriate personal protection equipment to the workers and staff	- Project components away from environmentally sensitive areas - Energy efficient design - ACM management plan 100 % coverage of population with improved water supply - Use of PPEs by workers	NA	NA	C	C	C	C	NA	C	C	C	C	NA	NA	NA	DBO Contract or
Design sewerage system - Non-compliance or non-adherence with the environmental considerations proposed in preliminary designs during detailed design:	Project components away from environmentally sensitive areas	C BC*	C BC*	NA NA	C BC*	C BC*	C BC*	C BC*	C BC*	C BC*	C BC*	C BC*	NA NA	NA NA	NA NA	DBO Contract or/ PIU/

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
Ensure compliance with the following during the detailed design: - Locating components and facilities appropriately by avoiding sensitive locations like forests and protected areas (environmentally, socially, and archeologically). - Treatment and reuse of sludge from treatment process; providing a covered shed of adequate space to air dry the processed sludge for at least 15 days at STPs - Designing the entire system to maintain optimal flow and terminal pressure, and optimizing the overall energy usage - Avoiding usage of asbestos containing materials - Reducing the incidence of water borne diseases by providing 100% population including urban poor with potable water supplies - Reuse of treated wastewater from STP for non-potable uses thereby reducing the load in freshwater resources - Adopting a combined approach of sewerage system and faecal sludge and Septage management to cover 100% population of the town with safe collection, conveyance and treatment of sewage generated in the town - Provision of appropriate personal protection equipment to the workers and staff	- Reuse plan for treated effluent - Energy efficient design - ACM management plan - FSSM plan for areas where sewerage networks are not feasible	C	C	NA	C	C	C	C	C	C	C	C	NA	NA	NA	CMSC/P MCBC *Reuse plan for treated effluent is being prepared for the towns in consultation with ULBs
Seismic sensitivity - Damage to infrastructure and potential risks: project area in moderate earthquake risk zone (Zone II): Designs of project component structures shall comply with relevant codes of design such as Bureau of Indian Standard (BIS) specifications for earthquake resistant design (IS: 1893: Criteria for earthquake resistant design of structures).	Earthquake resistant design of project structures	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contractor/PIU/ PMCBC
Groundwater source - Source sustainability and over exploitation of groundwater: - Prepare a groundwater harvesting and artificial recharge plan; - Creation of artificial recharge pits in public places / public buildings. Local body can issue a notification to this effect. - Household level artificial recharge (like roof top rainwater harvesting) should be encouraged. - Groundwater regulation – options to close / discontinue all the tube wells in houses used for domestic purposes in Town in a phased manner once the project is implemented		NA	NA	NA	BC	NA	C	NA	NA	BC	BC	NA	NA	NA	NA	DBO contractor/PIU/ PHED
Groundwater contamination: - Prepare a source protection plan for tube wells and open wells - Ensure proper construction of tube wells including casing pipes to prevent water contamination from well spaces, and due to flooding - Measures should be taken to control the open defecation, and to close all unsafe latrines (for example	Tube wells and open wells	NA	NA	NA	BC	BC	BC	NA	NA	BC	BC	NA	NA	NA	NA	PHED/PI U

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
pit latrines). • Awareness programs shall be conducted regarding the sanitation practices and its effect on groundwater quality																
Water Treatment Plant (WTP) - Inefficient treatment, treated water characteristic not satisfying the standards: • Design treatment process that is suitable for raw water source characteristics duly considering the seasonal variation in quality if any • Duly consider quality of ground water that will be supplemented for surface water supply variations • Treated water and supplied water at consumer end should meet the drinking water standards all times	• Design parameters of WTP meeting with national standards • Raw water quality test reports • Treated water quality test reports	NA	NA	NA	NA	C	C	NA	C	NA	NA	NA	NA	NA	NA	DBO Contract or/ CMSC
Water Treatment Plant (WTP) - Design to prevent pollution due to wastewater and sludge: • Ensure that the following are included in the WTP design: • Back wash water reuse system and sludge recovery and disposal system • Back water cycling components: Filter backwash holding tank, recovered water storage tank and pumping for recycling • Sludge management system components: Gravity thickeners for sludge from clarifiers, mechanical sludge dewatering system, storage facility for dewater desludge • Disposal of sludge at a landfill or the disposal site provided by the ULB	• Design of WTP including back wash water recycle • Sludge management from WTP	NA	NA	NA	NA	C	C	NA	C	NA	NA	NA	NA	NA	NA	DBO Contract or/PIU
WTP, CWRs and STP - Hazardous/ harmful chemicals: • Reduce the use of chemicals in the treatment process to the extent possible (water treatment); provide non-chemical alternatives or easily recoverable and/or reusable chemicals or biocompatible alternatives. • Establish proper handling/ storage/ application system according to the relevant standards, safety precautions and prevent accidental release/spill • Provide leak/ spill detection, collection/ capture and safe disposal facilities such as chlorine absorption and neutralization facility • Provide ventilation, lighting, entry and exit facilities visible and audible alarm facilities to alert chemical/chlorine leak • Facility for isolation in the even to major leakages • Eye wash and shower facility • Personal protection and safety equipment for the operators (masks, oxygen cylinders, gloves, etc.,) • Provide training to the staff in safe handling and application of chemicals, material safety, and standard operating procedures and emergency responses • Develop emergency response procedures	• Detail design of STP, WTP and CWR • Eye wash and shower facility included in STP design • Emergency response procedure for chemical hazard	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contract or/ PMCBC/ CMSC
Clear Water Reservoirs (CWRs) - Hazardous / harmful chemicals: • Establish proper handling / storage / application system	• Chlorine handling, storage and safety plan	NA	NA	C	C	C	C	NA	C	C	C	C	NA	NA	NA	DBO Contract or/

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
according to the relevant standards, safety precautions and prevent accidental release / spill • Provide ventilation, lighting, entry and exit facilities; visible and audible alarm facilities to alert chemical/chlorine leak • Personal protection and safety equipment for the operators (masks, oxygen cylinders, gloves, etc.,) • Provide training to the staff in safe handling and application of chemicals, material safety, and standard operating procedures and emergency responses • Develop emergency response procedures	• Use of PPEs by workers handling chlorine cylinders • Training records • Emergency response plan															PMCBC/CMSC
Sewage Treatment Plant (STP)- Hazardous / harmful chemicals: • Reduce the use of chemicals in the treatment process to the extent possible; provide non-chemical alternatives or easily recoverable and/or reusable chemicals or biocompatible alternatives. • Establish proper handling / storage / application system according to the relevant standards, safety precautions and prevent accidental release / spill • Provide leak/spill detection, collection / capture and safe disposal facilities such as chlorine absorption and neutralization facility • Provide ventilation, lighting, entry and exit facilities; visible and audible alarm facilities to alert chemical/chlorine leak • Facility for isolation in the event of major leakages • Eye wash and shower facility • Personal protection and safety equipment for the operators (masks, oxygen cylinders, gloves, etc.,) • Provide training to the staff in safe handling and application of chemicals, material safety, and standard operating procedures and emergency responses • Develop emergency response procedures	• Detail design of STP • Eye wash and shower facility included in STP design • Emergency response procedure for chemical hazard	C	C	NA	C	C	C	C	C	C	C	C	C	C	C	DBO Contract or/ CMSC
Sewage Treatment Plant (STP)- Inefficient sewage treatment, treated effluent characteristics not satisfying the CPCB/RPCB standards: • Ensure that the selected process is appropriate for the town and meets discharge standards and facilitate reuse • (Treated effluent should meet the criteria set by RSPCB/CPCB or the following bid specified parameters, whichever are stringent:	• BOD at 20°C for 5 days- less than 10 mg/l • Total suspended Solids (TSS)- less than 20 mg/l • Total nitrogen- less than 10 mg/l	C	C	NA	C	C	C	C	C	C	C	C	C	C	C	DBO Contract or/ PMCBC/CMSC

Impacts/ Mitigation Measures (List from IEE)/			Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)													Responsibility
				RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	
pH 6.5 – 9.0 BOD5, mg/l ≤10 COD, mg/l ≤50 TSS, mg/l ≤20 NH4-N, mg/l <25 Total nitrogen, mg/l <10 Fecal Coliform, MPN/100 ml <1000																	
	Change in raw sewage quality - Mixing of industrial effluent with sewage: - No industrial wastewater shall be allowed to dispose into municipal sewers - As there is a risk of potential mixing of industrial waste, no domestic wastewater from industrial units shall be allowed into municipal sewers - Ensure that there is no illegal discharge through manholes or inspection chambers - Conduct public awareness programs; in coordination with RSPCB and CLC. - Conduct regular wastewater quality monitoring (at inlet and at outlet of STP) to ensure that the treated wastewater quality complies with the effluent standards	- Separate sewerage networks for domestic sewage - Outlet parameters as per latest Govt. norms	C	C	NA	C	C	C	C	C	C	C	C	C	C	C	DBO Contract or and PIU / PMU
	Sewage Treatment Plant (STP)- Use of treated wastewater for reuse applications: - Develop wastewater reuse plan for Town in consultation with CLC as per the Sewerage and Wastewater Policy, 2016. The Reuse Plan shall inter alia include the following: - Identify potential reuse application in Town, and establish quality criteria for each of the use - For applications that use treated wastewater directly (e.g., agriculture), the quality required for such application in safe manner considering health, environment and crop yield concerns shall be ensured; - Prepare a reuse plan for agriculture, if that is the priority use or one of the applications as per the CLC in Town, clearly indicating the limits (geographical / crops / type of application / type of soils etc.); adopt international good practice suggested by agencies like World Health Organization (WHO), Food and Agricultural Organization (FAO) of the United Nations. - Plan should include awareness and training provisions and responsibilities; these can be conducted by concerned department (e.g., Agricultural Department, District Collectorate) - Carryout regular / online monitoring of critical quality parameters of treated wastewater to ensure that they meet the preset standards established for reuse	- Reuse plan for treated effluent - Outlet parameters as per latest Govt. norms	BC* C	BC* C	NA	BC* C	BC* C	BC* C	BC* C	BC* C	BC* C	BC* C	BC* C	BC* C	BC* C	BC* C	DBO Contract or / PIU/CMS C/ PMCBC **Reuse plan for treated effluent is being prepared for the towns in consultation with ULBs

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
STP - Treated effluent discharge into water channel/drains and associated impacts on river water and downstream users: - Obtain of consent of RSPCB for discharge of treated wastewater into drains - Conduct a baseline water quality assessment of receiving water body - Regularly monitor the treated wastewater quality at STP and ensure that it meets the discharge standards - Monitor water quality periodically during operation phase as per the Environmental Monitoring Plan	- Consent to Establish from RSPCB - Reuse plan of treated effluent - STP effluent- monitoring - Water Quality monitoring of receiving water body	- C - BC* - TC# - BC	- C - BC* - TC# - BC	NA	- C - BC* - TC# - BC	- C - BC* - TC# - BC	- C - BC* - TC# - BC	- C - BC* - TC# - BC	- C - BC* - TC# - BC	- C - BC* - TC# - BC	- C - BC* - TC# - BC	- C - BC* - TC# - BC	- C - BC* - TC# - BC	- C - BC* - TC# - TC	- C - BC* - TC# - TC	Contract or/PIU *Reuse plan for treated effluent is being prepared for the towns in consultation with ULBs # Will be done during Operation phase of the project.
Sewage Treatment Plant (STP)/WTP- Sludge management and reuse: - Prepare a sludge management plan - Prepare a dried Sludge utilization plan for Town with the help of Agriculture Department / CLC; plan should also include if any additional processing is required for sludge to use as soil conditioner - Plan should clearly identify various potential uses and demand in Town and surroundings - Establish usage limits, where required, (geographical / crops / type of application / type of soils etc.); adopt international good practice suggested by agencies like World Health Organization (WHO), Food and Agricultural Organization (FAO) of the United Nations. - Identify a landfill / suitable site for disposal of surplus dried sludge - Monitor sludge quality during operation phase as per the Environmental Monitoring Plan, ensure that it meets the quality parameters established by FCO - In case of sludge not meeting the quality parameters, it shall not be used as soil condition, and shall be disposed at appropriate disposal site (if it falls under hazardous category, it shall be disposed as per the Hazardous Waste Management Rules, 2016)	Reuse plan for treated sludge	BC*	BC*	NA	BC*	BC*	BC*	BC*	BC*	BC*	BC*	BC*	BC*	BC*	BC*	DBO Contract or/PIU *Reuse plan for treated Sludge is being prepared for the towns in consultation with ULBs
Sewage pumping stations - Handling and disposal of accumulated waste at identified disposal sites: - Prepare a waste handling and management plan for the work, considering handling, disposal and occupational and public health safety - Assess the working conditions, develop appropriate working method, and work shall be only conducted under continuous supervision of EHS supervisor - Waste shall not be handled manually; use appropriate equipment - All workers shall be provided with necessary personal protection equipment, including gloves, boots, face / gas masks and oxygen cylinders in handy for emergency	Waste Management Plan as per Solid Waste Management Rules 2016	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contract or/PIU

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
use etc.; if gas emission is suspected at any point of time, workers shall use gas masks with oxygen cylinders - Inform surrounding public about the work - Fire control and safety equipment shall be provided at the work site - Waste shall be properly covered during transport - Manage the solid waste as per the Solid Waste Management Rules, 2016																
Sewage pumping stations - Noise and odour generation from sewage pumping operations, and public and occupational safety: - Provide low noise, efficient pumping systems - Provide dedicated power supply to SPS, if possible, otherwise DG set to be used during power failure, should be soundproof and having acoustic enclosures with low/permitted air emission standards - Design SPS with appropriate retention time, so as not to retain the sewage in the sump for long time to avoid generation of odorous gases - Firm barricades should be provided all round during construction of SPS; - Boundary wall of sufficient height should be provided during operation phase so that no children/residents can entre in the SPS premises - Plantations should be provided if space available to reduce foul smell of sewer during operation - No worker’s camps should be allowed during construction works at SPS site - Entry should be restricted through provision of gate and guard during SPS operation. - Highest Flood Level (HFL) should be used as a basis while deciding on the SPS dimensions. Also, all the prevention methods including buffer capacity secondary tank and alternative power arrangements should be implemented so that sewage does not either leak during power outages or percolate into ground and pollute water.	Design of SPS covering all these parameters	C	C	NA	C	C	C	C	C	C	C	C	C	C	DBO Contract or/PIU	
Sewer network – collection and conveyance - Poor design leading to overflows, blockages, and creating nuisance, pollution: - Limit the sewer depth where possible - Sewers shall be laid away from water supply lines and drains (at least 1 m, wherever possible); - In all cases, the sewer line should be laid deeper than the water pipeline (the difference between top of the sewer and bottom of water pipeline should be at least 300 mm) - In unavoidable, where sewers are to be laid close to storm water drains, appropriate pipe material shall be selected (stoneware pipes shall be avoided) - For shallower sewers and especially in narrow roads,	Sewer network design covering all these parameters	C	C	NA	C	C	C	C	C	C	C	C	C	C	DBO Contract or/PIU/ PMCBC	

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
use small inspection chambers in lieu of manholes; • Design manhole covers to withstand anticipated loads and ensure that the covers can be readily replaced if broken to minimize silt/garbage entry • Ensure sufficient hydraulic capacity to accommodate peak flows and adequate slope and gas vents in gravity mains to prevent buildup of solids and hydrogen sulfide generation • Take necessary precautionary measures to protect sewer network, and to avoid disposal of solid wastes, debris, wastewater into newly laid sewers from the time it is constructed to the start of operation phase																
FSSM - Occupational health and safety issues, and impact on STP process: Conduct detailed survey of the households to be covered with FSSM to design the system to suit the local conditions, such as type of septic tanks and their location in the houses • Create awareness program on the FSSM from collection to treatment system that will be adopted • Design the sewage treatment process duly considering mixing of Septage • Ensure that the FSSM system is completely mechanized no human touch, even accidentally, from collection at household to discharge into STP, and in periodic cleaning of tankers • Demarcate a proper area for cleaning of mobile tankers in STP premises, and ensure that the wastewater shall be discharged into STP • Provide proper training to the workers, and staff in safe handling of FSSM tasks, provide all necessary personal protection equipment • Ensure proper facilities for workers including showers, wash areas, toilets, drinking water, eating and resting places • Conduct regular health checks • Prepare Health and Safety Plan for FSSM	• FSSM plan and design covering all these requirements	C	C	NA	C	C	C	C	C	C	C	C	C	C	C	DBO Contract or
Physical Cultural resource - Encroachment/ damage to protected monuments and chance finds: • consult Department of Archaeology and Museums to obtain an expert assessment of the archaeological potential of the site; • consider alternatives if the site is found to be of high risk; • include state and local archaeological, cultural and historical authorities, and interest groups in consultation forums as project stakeholders so that their expertise can be made available; and • develop a protocol for use by the construction contractors in conducting any excavation work, to ensure that any chance finds are recognized and	• List of ASI/State protected monuments • Chance Finds protocol	NA C	NA C	NA C	NA C	NA C	NA C	NA C	NA C	NA C	NA C	NA C	NA C	NA C	NA C	DBO Contract or/ PIU/ CMSC/ PMCBC

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
measures are taken to ensure they are protected and conserved. This should involve: a. Having excavation observed by a person with archaeological field training; contractor should employ a person with a formal certification course in archaeology from recognized (such as Institute of Archaeology, ASI, Delhi) during the ground excavation activities b. Conduct awareness training to contractor & supervision staff prior to start of excavation; c. Stopping work immediately to allow further investigation if any finds are suspected; Calling in the ASI if a find is suspected, and taking any action they require to ensure its removal or protection in situ																
Asbestos cement (AC) pipes in existing water supply system & Other locations: clearing, transfer and disposal; work in narrow streets, and interventions in existing AC pipelines - Health impacts due to air borne asbestos if handled unsafely, cut, drilled or broken into pieces: • Develop ACM Management Plan (AMP) that includes identification of hazards, the use of proper safety gear and disposal methods. • (Conduct awareness program on safety during the construction work • Undertake the construction work stretch-wise; excavation, pipe laying and trench refilling should be completed on the same day • (Provide barricades, and deploy security personnel to ensure safe movement of people and also to prevent unnecessary entry and to avoid accidental fall into open trenches • Identify risk of intervention with existing AC pipes. If there is significant risk, implement the AMP strictly that includes identification of hazards, the use of proper safety gear and disposal methods. • Maintain records of AC pipes as per the AMP • Refer to the instructions of the Asbestos Expert	• ACM plan covering all these requirements	NA	NA	BC	BC	BC	BC	NA	BC	BC	BC	BC	NA	NA	NA	DBO Contract or/PIU/PMCBC/CMSC
Asbestos materials in existing PHED campus- Health impacts due to air borne asbestos if handled unsafely, cut, drilled or broken into pieces: • Conduct risk assessment to determine extent of asbestos materials currently on-site • Coordinate and provide support to the asbestos management service provider on the requirement of sampling, testing and disposing existing asbestos materials • Ensure the selected area for temporary storage is suitable for safe storage of asbestos materials • Incorporate international and national standards	• ACM plan covering all these requirements	NA	NA	BC	BC	BC	BC	NA	BC	BC	BC	BC	NA	NA	NA	DBO Contract or/PMU

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
considered in designing the temporary storage • Ensure that handling and disposal of asbestos materials are carried out by specially trained service provider/s following Government of India requirements, or in their absence, internationally recognized procedures																
Preparation of plans and protocols - Various impacts: • Preparation of waste handling and management plan for SPS sites • Prepare traffic management plan • Prepare occupational health and safety plan • Prepare spoils management plan	• Site Specific Environment, Health and Safety plan, covering all these plans	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contract or CMSC and PMCBC

C- Compiled, TC – To be complied, BC- Being Complied

Table 9 B. Pre-Construction Phase

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MNW	KMN	DID	MKR	LDN	
Compliance with environmental subproject selection criteria - Environmental impacts due to subproject: Compliance with environmental subproject selection criteria	Compliance with environmental subproject selection criteria	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contractor, PIU, CMSC/PMCBC
Environmental monitoring of baseline conditions of air, noise, water and soil - To establish base line environmental conditions: Environmental monitoring through NABL accredited laboratory	Baseline environmental monitoring of ambient air, noise, water and soil conducted	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO contractor
Legal compliance - Environmental legal noncompliance may attract legal actions Failure to obtain necessary consents Permits, NOCs etc. can result to design revisions and /or stoppage of works: • Obtain all consents, clearances (CTE/CTO from RSPCB), permits NOCs etc. before start of construction works • Ensure that all necessary approvals for construction to be obtained by contractor are in place before start of construction • Following consents are required- • Tree cutting-local authority • Storage, handling and transport of hazardous materials- RSPCB • Sand mining, quarries, borrow areas- Department of mines and Geology • Traffic diversion/road cutting- local authority, traffic police • Acknowledge in writing and provide report on	List of consents required as per IEE	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO contractor/ PIU/Consultants

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MNW	KMN	DID	MKR	LDN	
compliance all obtained consents, permits, clearance, NOCs etc. Include in detailed design drawings and documents all conditions and provisions; if necessary																
Utilities - Telephone lines, electric poles and wires, water lines within proposed project area: - Identify and include locations and operators of these utilities in the detailed design documents to prevent unnecessary disruption of services during construction phase; and - Require construction contractors to prepare a contingency plan to include actions to be taken in case of unintentional interruption of services. - Require contractors to prepare spoils management plan	- List of affected utilities - Utilities contingency plan - Spoil management plan	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contractor in collaboration with PIU and with approval of PMU
Social and Cultural Resources - Ground disturbance can uncover and damage archaeological and historical remains: Develop a protocol for use by the construction contractors in conducting any excavation work, to ensure that any chance finds are recognized, and measures are taken to ensure they are protected and conserved	Chance finds protocol	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contractor/ CMSC and PIU
Construction work camps, hot mix plants, stockpile areas, storage areas, and disposal areas.- Disruption to traffic flow and sensitive receptors: - Prioritize areas within or nearest possible vacant space in the project location; - If it is deemed necessary to locate elsewhere, consider sites that will not promote instability and result in destruction of property, vegetation, irrigation, and drinking water supply systems; - Do not consider residential areas; - Take extreme care in selecting sites to avoid direct disposal to water body which will inconvenience the community. - For excess spoil disposal, ensure - o site shall be selected preferably from barren, infertile lands. In case agricultural land needs to be selected, written consent from landowners (not lessees) will be obtained; (b) debris disposal site shall be at least 200 m away from surface water bodies; (c) no residential areas shall be located within 50 m downwind side of the site; and (d) site is minimum 250 m away from sensitive locations like settlements, ponds/lakes or other water bodies.	- Location plan of Construction work camps, hot mix plants, stockpile areas, storage areas, and disposal areas - Spoil management plan	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contractor/ CMSC and PIU
Sources of Materials - Extraction of materials can disrupt natural land contours and vegetation resulting in accelerated erosion, disturbance in	Permission from Govt. for procurement of construction materials	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contractor to prepare list of approved quarry sites and

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MNW	KMN	DID	MKR	LDN	
natural drainage patterns, ponding and water logging, and water pollution: • Prioritize sites already permitted by the Department of Mines and Geology • If other sites are necessary, inform construction contractor that it is their responsibility to verify the suitability of all material sources and to obtain the approval of PMU and • If additional quarries will be required after construction is started, inform construction contractor to obtain a written approval from PIU.																sources of materials with the approval of PIU
Consents, permits, clearances, NOCs, etc.- Failure to obtain necessary consents, permits, NOCs, etc. can result to design revisions and/or stoppage of works: • Obtain all necessary consents (including CTE for STP from RSPCB), permits, clearance, NOCs, etc. prior to award of civil works. Following consents are required- • Tree cutting- local authority • Storage, handling and transport of hazardous materials- RPCB • Sand mining, quarries, borrow areas- Department of mines and Geology • Traffic diversion/road cutting- local authority, traffic police • Ensure that all necessary approvals for construction to be obtained by contractor are in place before start of construction • Acknowledge in writing and provide report on compliance all obtained consents, permits, clearance, NOCs, etc. • Include in detailed design drawings and documents all conditions and provisions if necessary	List of consents required as per IEE	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor and PIU and Consultant
Asbestos materials in existing PHED campus & other Locations - Health impacts due to air borne asbestos if handled unsafely, cut, drilled or broken into pieces: • Coordinate and provide support to the asbestos management service provider on the requirement of sampling, testing and disposing existing asbestos material • Coordinate and implement the the construction of the temporary storage per specification of the asbestos management service provider • Provide support to the asbestos management service provider supervising the removal, transport, disposal and documentation of the asbestos materials • Conduct awareness workshops and trainings to	ACM plan covering all these requirements	NA	NA	BC	BC	BC	BC	NA	BC	BC	BC	BC	NA	NA	NA	DBO Contractor/PIU/CMSC

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTP	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MNW	KMN	DID	MKR	LDN	
stakeholders on the risks of the asbestos materials • Maintain records of asbestos materials inventory • Ensure that handling and disposal of asbestos materials are carried out by specially trained service provider/s following Government of India requirements, or in their absence, internationally recognized procedures																

C- Complied, TC – To be complied. BC- Being Complied

Table 9 C: Construction Phase

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTH	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
EMP Implementation - Irreversible impact to the environment, workers, and community: • Contractor is required to depute a qualified and experienced EHS officer/supervisor for monitoring of EMP implementation measures Project manager and all key workers will be required to undergo EMP implementation including spoils management, Standard operating procedures (SOP) for construction works; occupational health and safety (OH and S), core labor laws, applicable environmental laws, etc.	• EHS officer deputed by contractor • Training for project manager and other key workers conducted in pre-construction phase	C	C	C	C	C	C	C	C	C	C	C	C	C	C	Construction Contractor/ PIU/ PMCB/ CMSC
Air Quality - Emissions from construction vehicles, equipment, and machinery used for installation of pipelines resulting to dusts and increase in concentration of vehicle-related pollutants such as carbon monoxide, sulfur oxides, particulate matter, nitrous oxides, and hydrocarbons: • Plan the work sites properly, and demarcate the sites for stockpiling of, soils, gravel, and other construction materials away from the traffic, vehicle, general worker movement to avoid disturbance of loose materials • Damp down exposed soil and any stockpiled material on site by water sprinkling;	• Site plan of stockyard for soil, gravel and other construction materials • Covered transport of loose materials • PUC of vehicles • CTE/CTO of batching plant, hot mix plant, crushers and DG sets • Construction raw materials from authorized sources	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														LDN	Responsibility
		RTG	FTH	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR			
• Use tarpaulins to cover sand and other loose material when transported by trucks; • Clean wheels and undercarriage of haul trucks prior to leaving construction site • Don't allow access in the work area except workers to limit soil disturbance and prevent access by barricading and security personnel • Fit all heavy equipment and machinery with air pollution control devices which are operating correctly • contractor's vehicles and equipment should compulsorily have PUC and submit to PIU before deployment at site • Obtain, CTE and CTO for batching plant, hot mix plant, crushers and DG set etc. if specifically established for this project. • If contractor procures any material (such as ready mix concrete, asphalt/macadam, aggregates etc.,) from third party agencies, contractor shall ensure that such agencies have all necessary clearances / permissions as required under the law; these include CTE/CTO from RSPCB, environmental clearance, etc.; contractor shall collect the copy of these certificates and submit to PIU; PIU will approve the source only after all the certificates are submitted • Conduct air quality monitoring according to the Environmental Management Plan (EMP).	• Air quality monitoring conducted																
Surface water quality - Works in rains/ Mobilization of settled silt materials, and chemical contamination from fuels and lubricants during installation of pipelines can contaminate nearby surface water quality: • Prepare and implement a spoils management plan • Avoid stockpiling of earth fill especially during the monsoon season unless covered by tarpaulins or plastic sheets; • Prioritize re-use of excess spoils and materials in the construction works. If spoils will be disposed, consult with PIU on designated disposal areas; • Inspect all the drainage at construction site/construction camp/labor camp etc. and clear all the drainage lines so that no water stagnation/flooding may occur during heavy rainfall • As for a possible avoid trench works and excavation works (pipe laying) during monsoon season to avoid any water logging and accident due to it	• Spoils management plan • Stockpiling of soils • Inspection of drainage pattern at stockyard • Monsoon preparedness plan • Emergency preparedness plan	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC/ PMCBC

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														LDN	Responsibility
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- If open trenches are not avoidable during monsoon, keep ready all the mitigations measures to avoid water logging such as dewatering pumps and sufficient pipes, traffic assistance, barricades etc. - Inspect and verify all the emergency measures and emergency control system before start of monsoon, keep the emergency response committee on high alert during monsoon/heavy rain fall - Install temporary silt traps or sedimentation basins along the drainage leading to the water bodies; - Place storage areas for fuels and lubricants away from any drainage leading to water bodies; - Dispose any wastes generated by construction activities in designated sites; and - Conduct surface quality inspection according to the Environmental Management Plan (EMP).																	
Surface water quality - Degradation of water quality of Angore, Kalka Ji and Bhainsa Singh dams due to intake works: - Select a construction methodology that is least disturbing, and appropriate for the in-situ soil condition, and able to complete the construction work prior to onset of monsoon - Schedule the construction works during low water level period – late winter months to pre monsoon (February – June/July); ensure that works are completed during the same period to prior to onset of monsoon; - Erect temporary barriers to form enclosed construction area with least disturbance - Allow adequate time to settle the distributed solids to prior to pumping out water; only clear/clarified water shall be pumped back into the reservoir; any silt laden water should be pumped to a silt pond - Avoid/minimize use of fuels, chemicals and lubricants; ensure no spillage - Clear the work site after completion at least to pre project conditions, ensure that there are no materials, debris, spills etc., and prior to removal of temporary barriers / coffer dam - Implement work site safety at works in water bodies	- Construction work plan - Work schedule - Safety arrangements - Water quality monitoring	NA	NA	NA	NA	BC	TC*	NA	BC	NA	NA	NA	NA	NA	NA	NA	DBO contractor/ PIU/ CMSC/ PMCBC *will be complied during execution. Execution not yet started.
Noise Levels - Increase in noise level due to earth-moving and excavation equipment, and the transportation of equipment, materials, and people: Plan activities in consultation with PIU/Consultant	Use of PPEs to reduce impact of sound on workers	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														LDN	Responsibility
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so that activities with the greatest potential to generate noise are conducted during periods of the day which will result in least disturbance; - Horns should not be used unless it is necessary to warn other road users or animals of the vehicle's approach; - Minimize noise from construction equipment by using vehicle silencers, fitting jackhammers with noise-reducing mufflers, and portable street barriers the sound impact to surrounding sensitive receptor; and - Maintain maximum sound levels not exceeding 80 decibels (dB A) when measured at a distance of 10 m or more from the vehicle/s. - Periodical monitoring of noise quality as per EMP	- Checking of vehicle silencers, noise-reducing mufflers - Noise quality monitoring at sites																
Landscape and aesthetics - Impacts due to excess excavated earth, excess construction materials, and solid waste such as removed concrete, wood, packaging materials, empty containers, spoils, oils, lubricants, and other similar items: - Prepare and implement spoils management plan - Avoid stockpiling of excess excavated soils; - Coordinate with ULB/PIU for beneficial uses of excess excavated soils or immediately dispose to designated areas; - Recover used oil and lubricants and reuse or remove from the sites; - Manage solid waste according to the following preference hierarchy: reuse, recycling and disposal to designated areas; - Remove all wreckage, rubbish, or temporary structures which are no longer required; and - Request PIU to report in writing that the necessary environmental restoration work has been adequately performed before acceptance of work	- Spoils management plan - Solid waste management plan - Site observations	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC
Existing Infrastructure and Facilities - Disruption of service and damage to existing infrastructure at specified project location: - Obtain from PIU the list of affected utilities and operators if any; - Prepare a contingency plan to include actions to be done in case of unintentional interruption of service	- List of affected utilities and contingency plan to restore if damaged - Site observations	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														LDN	Responsibility
		RTG	FTH	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR			
Ecological Resources – Terrestrial - Loss of vegetation and tree cover: - Minimize removal of vegetation and disallow cutting of trees; - If tree-removal will be required, obtain tree-cutting permit from the concerned department; and - Plant 3 native trees for every one that is removed	- Tree cutting list - Tree cutting permission - Compensatory plantation	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC	
Land Use- Environmental Issues due to land use change: The impact due to change in land use will be negligible due to this project	Land documents of sites	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC	
Accessibility - Traffic problems and conflicts near project locations and haul road: - Plan sewer line works to minimize traffic disturbance / blockades; as the sewer lines are to be laid in all the roads and streets in the town, work planning is crucial to minimize the inconvenience to public. - Prepare and implement a Traffic Management Plan - Duly consider and select sections for trenchless method of pipe laying based on traffic conditions - Plan transportation routes so that heavy vehicles do not use narrow local roads, except in the immediate vicinity of delivery sites; - Schedule transport and hauling activities during non-peak hours; - Locate entry and exit points in areas where there is low potential for traffic congestion; - Keep the site free from all unnecessary obstructions; (Drive vehicles in a considerate manner; - Coordinate with Traffic Police for temporary road diversions and with for provision of traffic aids if transportation activities cannot be avoided during peak hours; - Notify affected sensitive receptors 1-week in advance by providing sign boards informing nature and duration of construction works and contact numbers for concerns/complaints. - Plan and execute the work in such a way that the period of disturbance/ loss of access is minimum. - Provide pedestrian access in all the locations until normalcy is restored. Provide wooden/metal planks over the open trenches at each house to maintain the access	- Work Plan - Traffic Management Plan - Site observations - Project information boards - Prior public consultations by contractor's team - Accessibility provided during works	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC	
Socio-Economic – Income. - Impede the access of residents and customers to nearby shops: Prepare and implement spoils management plan	Spoil management plan	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC	

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														LDN	Responsibility
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- Contractor to Implement RP and to follow mitigation measures prescribed - Leave spaces for access between mounds of soil; - Provide walkways and metal sheets where required for people; - Increase workforce in front of critical areas such as institutions, place of worship, business establishment, hospitals, and schools; - Consult businesses and institutions regarding operating hours and factoring this in work schedules; and - Provide sign boards for pedestrians to inform nature and duration of construction works and contact numbers for concerns/complaints.	- Mitigation measures as per RP and IEE - Prior public consultations by contractor's team with shopkeepers - Project information boards																
Socio-Economic - Employment - Generation of temporary employment and increase in local revenue: - Employ local labour force, or to the maximum extent possible - Comply with labor laws	Labour records	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor
Occupational Health and Safety - Occupational hazards which can arise during work: - Comply with all national, state and local core labor laws - Following best practice health and safety guidelines: IFC's General EHS Guidelinesⁱ⁴ and Sector Specific (Sanitation) Guidelines - Develop and implement site-specific occupational health and safety (OH and S) Plan which will include measures such as: a) excluding public from the site; (b) ensuring all workers are provided with and use personal protective equipment like helmet, gumboot, safety belt, gloves, nose musk and ear plugs; (c) OH and S Training for all site personnel; (d) documented procedures to be followed for all site activities; and (e) documentation of work-related accidents; - Conduct work in confine spaces, trenches, and at height with suitable precautions and using standards and safe construction methods; do not	- Site specific EHS Plan - Work plans - Use of PPEs by workers - Safety signage and information boards - Drinking water and rest sheds - First aid facilities at site - Site protection and barricades - Medical and health insurance of workers - Health check-up records of workers - Safety trainings/ orientations records - Solid waste management	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
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adopt adhoc methods; all trenches deeper than 1.5 m shall be provided with safety shoring/braces; and avoid open cutting method for trenches deeper than 3.5 m by adopting trenchless technology • Develop site specific OHS plan for sewage pumping stations works; SPS sites are located in low lying areas with accumulated waste and harmful working conditions • Ensure that qualified first-aid can be provided at all times. Equipped first-aid stations shall be easily accessible throughout the site; • Provide medical insurance coverage for workers; • Secure all installations from unauthorized intrusion and accident risks; • The project area experiences extreme temperature during summer months of April and May, which may affect the health of workers engaged in construction work. Contractor should take necessary measures during summers including the following: o work schedule should be adjusted to avoid peak temperature hours (12 – 3 PM); (b) provide appropriate shade near the workplace; allow periodic resting and provide adequate water, and (c) provide necessary medicine and facilities to take care of dehydration related health issues • Provide supplies of potable drinking water; • Provide clean eating areas where workers are not exposed to hazardous or noxious substances; • Provide H and S orientation training to all new workers to ensure that they are apprised of the basic site rules of work at the site, personal protective protection, and preventing injuring to fellow workers; • Provide visitor orientation if visitors to the site can gain access to areas where hazardous conditions or substances may be present. Ensure also that visitor/s do not enter hazard areas unescorted; • Ensure the visibility of workers through their use of high visibility vests when working in or walking through heavy equipment operating areas; • Ensure moving equipment is outfitted with audible back-up alarms; • Mark and provide sign boards for hazardous areas such as energized electrical devices and lines, service rooms housing high voltage equipment, and areas for storage and disposal. Signage shall be in accordance with international standards and be well known to, and easily understood by workers, visitors, and the general public as	• Site observations															

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)															Responsibility
		RTG	FTH	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN		
appropriate; - Disallow worker exposure to noise level greater than 85 dB A for a duration of more than 8 hours per day without hearing protection. The use of hearing protection shall be enforced actively. - Conduct regular health check-ups for workers - Provide periodical awareness camps and special trainings for workers for health issues and risks in construction sites - Provide proper solid and liquid waste management system in workers' campsite, separate from spoils and debris disposal, as their presence can add to existing waste volume at the project sites.																	
Occupational and community health and safety - Hazardous working conditions due to presence of asbestos containing material / AC Pipes in work sites: clearing, transfer and disposal; work in narrow streets, and interventions in existing AC pipelines Health impacts due to air borne asbestos if handled unsafely, cut, drilled or broken into pieces: - Implement the ACM Management Plan (AMP) that includes identification of hazards, the use of proper safety gear and disposal methods. - Conduct awareness program on safety during the construction work - Undertake the construction work stretch-wise; excavation, pipe laying and trench refilling should be completed on the same day - Provide barricades, and deploy security personnel to ensure safe movement of people and also to prevent unnecessary entry and to avoid accidental fall into open trenches - Identify risk of intervention with existing AC pipes. If there is significant risk, implement the AMP strictly that includes identification of hazards, the use of proper safety gear and disposal methods. - Appropriate actions as defined in the Asbestos Management Plan will have to be adhered to - Maintain records of AC pipes as per the AMP	- Site specific EHS Plan - Work plans - Use of PPEs by workers - Safety signage and information boards - Drinking water and rest sheds - First aid facilities at site - Site protection and barricades - Medical and health insurance of workers - Health check-up records of workers - Safety trainings/ orientations records - Solid waste management - Site observations	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ PIU/ CMSC
Community Health and Safety.- Traffic accidents and vehicle collision with pedestrians during material and waste transportation: Trench excavation and pipeline works shall be conducted in a safe manner; if the allowing public movement along the work sites (pedestrians or vehicles as the case may be) is likely to cause safety risks, movement should be blocked temporarily and work shall be conducted; in such	- Work plan - Barricades - Trench safety - Public consultation records with nearby residents - Safety signage and project information boards	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor/ CMSC

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)															Responsibility
		RTG	FTH	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN		
areas, conducting night work or working in small stretches to avoid blockage of traffic/movement no more than few hours in due consultation with the local community and ULB shall be planned • All trenches deeper than 1.5 m shall be provided with safety shoring/braces; and avoid open cutting method for trenches deeper than 3.5 m by adopting trenchless technology • Survey the surrounding vulnerable buildings for likely issues in structural stability / differential settlement during the excavation works • Provide prior information to the local people about the • Plan routes to avoid times of peak-pedestrian activities. • Liaise with PIU/ULB in identifying high-risk areas on route cards/maps. • Maintain regularly the vehicles and use of manufacturer-approved parts to minimize potentially serious accidents caused by equipment malfunction or premature failure. • Provide road signs and flag persons to warn of on-going trenching activities																	
Safety of sensitive groups (children, elders etc.) and other pedestrians in narrow streets - Trench excavation in narrow streets will pose high risk to children and elders in the locality: • Provide prior information to the local people about the nature and duration of work • Conduct awareness program on safety during the construction work • Undertake the construction work stretch-wise; excavation, pipe laying and trench refilling should be completed on the same day • Provide barricades, and deploy security personnel to ensure safe movement of people and also to prevent unnecessary entry and to avoid accidental fall into open trenches	• Work plan • Barricades • Trench safety • Public consultation records with nearby residents • Safety signage and project information boards	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor
Night Works - Public inconvenience due to traffic diversion, disturbance due to excessive noise and access loss, occupational health and safety issues etc: • Prepare a night work protocol and obtain prior approval from PIU, and strictly implement and report on implementation of protocol during the workers; • Contractors should have handheld noise level meter for measurement of noise during night hours • Contractors should have handheld lux meter for the measurement of illumination during night	• Night work plan approval from PIU • Noise and illumination monitoring during night works • Public consultations before night works • Workers records • First aid and emergency plans for night works	TC*	TC*	TC*	TC*	TC*	TC*	TC*	TC*	TC*	TC*	TC*	TC*	TC*	TC*	TC*	TC*= to be complied when night works will be required. No night work is being conducted. DBO Contractor

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTH	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
hours • Preferably electrical connection is available for running equipment otherwise soundproof/super silent Diesel Generator set should be available • Sound level should not increase as prescribe by CPCB • Illumination should be as prescribed in protocol • As far as possible ready-mix concrete from batching plant to be used, otherwise the concrete should be prepared away from residential areas and brought to the site • All the noisy activities like hammering, cutting, crushing, running of heavy equipment should be done in daytime and avoided in nighttime • Workers engaged in night works should have adequate rest/sleep in daytime before start of night works • Worker engaged for night works should have previous experience of night works and should be physically fit for such works including clear vision in night. • All the necessary provisions of traffic aids such as traffic signals, road signage, barricades, cautions boards, traffic diversion boards etc. should be available with fluorescent/retro-reflective arrangements • Workers should be trained before start of night works about risks and hazards of night works and their mitigation measures and should be provided all the protective aids (PPEs) including fluorescent/retro-reflective vests • Horns should not be permitted by equipment and vehicles • Workers should not shout and create noise • First aid and emergency vehicles should be available at site • Emergency preparedness plan should be operative during night works • Old persons and pregnant women and women having small kids should not work in night-time • All the vehicles and equipment being used at night works should have adequate type of silencers/enclosures/mufflers to reduce noise • All the vehicles should be checked for working head lamps, tail lamps, inner lights etc. before start of night works • PIU/DSC site engineers and contractor's safety personnel should closely monitor the safety of works continuously and noise and illumination levels on hourly basis and maintain photographic	• Nearby sensitive receptors • Site restoration after night works															

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility	
		RTG	FTH	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN		
and video graphic records as well as register the observations. - Night works should be stopped early in the morning at least one hour before start of pedestrian/traffic movement - After completion of night works all the site should be cleaned and maintained obstruction free for daytime movement of vehicles and pedestrians - Drivers and workers should be alert and responsive during night works - All the wages to workers working in night hours should be as per the applicable labour acts - Avoid any nuisance which may create problems to nearby habitants and work peacefully during night hours - Night works should not be conducted near hospitals and during peak seasons such as peak tourist season, students’ exam times etc.																	
Work in narrow streets - will pose high risk to children and elders in the locality: - Conduct awareness program on safety during the construction work - Undertake the construction work stretch-wise; excavation, pipe laying and trench refilling should be completed on the same day - Provide barricades, and deploy security personnel to ensure safe movement of people and also to prevent unnecessary entry and to avoid accidental fall into open trenches - Trench excavation and pipeline works shall be conducted in a safe manner; if the allowing public movement along the work sites (pedestrians or vehicles as the case may be) is likely to cause safety risks, movement should be blocked temporarily and work shall be conducted; in such areas, conducting night work or working in small stretches to avoid blockage of traffic/movement no more than few hours in due consultation with the local community and ULB shall be planned	- Work plan - Barricades - Trench safety - Public consultation records with nearby residents - Safety signage and project information boards	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor
Construction camps and worker facilities - Temporary air and noise pollution from machine operation, water pollution from storage and use of fuels, oils, solvents, and lubricants. Unsanitary and poor living conditions for workers: - Consult with PIU before locating project offices, sheds, and construction plants; - Minimize removal of vegetation and disallow cutting of trees; - Provide drinking water, water for other uses, and	- Approval of site from PIU - Tree cutting for camps - Facilities for workers e.g. ventilated rooms, first aid, crèche, cooking areas, toilet and washing facility - Solid waste management at camps	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTH	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
sanitation facilities for employees; • Provided temporary rest and eating area at all work sites • Ensure conditions of livability at work camps are always maintained at the highest standards possible; living quarters and construction camps shall be provided with standard materials (as far as possible to use portable ready to fit-in reusable cabins with proper ventilation); thatched huts, and facilities constructed with materials like GI sheets, tarpaulins, etc., shall not be used as accommodation for workers; accommodation shall meet the IFC standards for workers accommodation which include: provision of safe housing, availability of electricity, plumbing, water and sanitation, adequate fire protection and dormitory/room facilities; accommodation shall be in the range from 10 to 12.5 cubic meters (volume) or 4 to 5.5 square meters (surface) per worker, a minimum ceiling height of 2.10 meters; a reasonable number of workers are allowed to share the same room – (standards range from 2 to 8 workers); workers with accompanying families shall be provided with a proper and safe accommodation • Train employees in the storage and handling of materials which can potentially cause soil contamination; • Recover used oil and lubricants and reuse or remove from the site; • Manage solid waste according to the preference hierarchy: reuse, recycling and disposal to designated areas; • Ensure unauthorized persons specially children are not allowed in any worksite at any given time.	• Sanitation facilities and dust bins • Signage															
Social/Physical and Cultural Resources - Risk of archaeological chance finds: • Strictly follow the protocol for chance finds in any excavation work; • Create awareness among the workers, supervisors and engineers about the chance finds during excavation work • Stop work immediately to allow further investigation if any finds are suspected; • Inform local Archeological Department if a find is suspected and take any action, they require to ensure its removal or protection in situ	• Chance finds protocol given in IEE • Training of workers • Consultation with Archaeological department	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contractor
		BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	
		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Monsoon preparedness - Disruption of utilities and water logging in trenches: • As for a possible avoid trench works and	• Monsoon preparedness plan	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO contractor

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Status of Compliance (BC: Being Complied, TC: To be Complied, C: Complied, NA: Not Applicable)														Responsibility
		RTG	FTH	LXM	SRD	SHR	ABR	PRT	BNS	KTR	MND	KMN	DID	MKR	LDN	
excavation works (pipe laying) during monsoon season to avoid any water logging and accident due to it - if open trenches are not avoidable during monsoon, keep ready all the mitigations measures to avoid water logging such as dewatering pumps and sufficient pipes, traffic assistance, barricades etc. - keep emergency response system ready before monsoon/heavy rain fall	Emergency response plan															
Submission of EMP implementation report - Unsatisfactory compliance to EMP: - Appointment of supervisor to ensure EMP implementation - Timely submission of monitoring reports including pictures	- Appointment of EHS officer - Regular submission of reports	C	C	C	C	C	C	C	C	C	C	C	C	C	C	DBO Contractor
Post-construction clean-up - Damage due to debris, spoils, excess construction materials: - Remove all spoils wreckage, rubbish, or temporary structures (such as buildings, shelters, and latrines) which are no longer required; and - All excavated roads shall be reinstated to original condition. - All disrupted utilities restored - All affected structures rehabilitated/compensated - The area that previously housed the construction camp is to be checked for spills of substances such as oil, paint, etc. and these shall be cleaned up. - All hardened surfaces within the construction camp area shall be ripped, all imported materials removed, and the area shall be top soiled and re-grassed using the guidelines set out in the re-vegetation specification that forms part of this document. - The contractor must arrange the cancellation of all temporary services. - Request PIU to report in writing that worksites and camps have been vacated and restored to pre- project conditions before acceptance of work.	- Site clearance and cleaning - Road and utilities restoration - Restoration of site as previous conditions	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	BC	DBO Contractor

C- Compiled, TC – To be complied. BC- Being Complied

Table-9 D: Town Specific EMP Compliance Status of All Sub-projects under RSTDSP

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Compliance Status	Responsibility
Design Phase			
Laxmangarh			
Location impacts of designed components - Nearby community may be affected due to increased pollution during construction and operation: Sites should be selected so that nearby community may have no or minimum impact due to proposed works	• Site locations and lay out plan - Mitigation measures to reduce impacts during construction works	C	DBO Contractor/PIU
Abu Road			
STP - Interference with cultural activities (crematorium near discharge point): Abu Road Locate discharge point of STP-1 at Santpur on the downstream of crematorium, and comfortably away from the river section used for rituals / bathing; consult with local community to finalize location	Location of discharge point	C	DBO Contractor / PMCBC/CMSC/PIU
Intake in Bhaisa Singh Dam (Abu Road) and - Water quality and ecological impacts: • Do not utilize the dead storage for supply; ensure that dead storage is available in the dam all times • Design inlet of intake pipe in the dam with appropriate screen to avoid entry of aquatic organisms into inlet • Select a construction methodology that is least disturbing, and appropriate for the in-situ soil condition, and able to complete the construction work prior to onset of monsoon • Schedule the construction works during low water level period – late winter months to pre monsoon (February – June/July); ensure that works are completed during the same period to prior to onset of monsoon; • Erect temporary barriers to form enclosed construction area with least disturbance • Allow adequate time to settle the distributed solids to prior to pumping out water; only clear/clarified water shall be pumped back into the reservoir; any silt laden water should be pumped to a silt pond	• Intake design • Clearance for abstraction of raw water from dam • Screen at inlet of intake to avoid entry of aquatic organisms • Construction design of intake • Construction schedule • Safety measures at intake works	TC Intake Design Under Review	DBO Contractor / PMCBC/CMSC/PIU

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Compliance Status	Responsibility
• Avoid/minimize use of fuels, chemicals and lubricants; ensure no spillage • Clear the work site after completion at least to pre project conditions, ensure that there are no materials, debris, spills etc., and prior to removal of temporary barriers / coffer dam Implement work site safety at works in water body			
All work sites- Physical cultural resources and chance finds: Ensure that worksites are not located in archeologically sensitive areas; liaise and reconfirm with local Archeological Department during detailed design phase; (ii) Create awareness among the workers, supervisors and engineers about the chance finds during excavation work; (iii) Stop work immediately to allow further investigation if any finds are suspected; (iv) Inform local Archeological Department / Museum office if a find is suspected and take any action, they require to ensure its removal or protection in situ	• Records of trainings • Chance Finds protocol	BC	DBO Contractor / PIU
Critical habitat and protected species • Loss of habitat and breeding trees • Change in food availability – carcasses • Induced impacts of improved water supply leading to increased agriculture and cattle rearing in location which in turns increases local use of chemicals harmful to vultures • Disturbance of vultures at feeding locations during construction phase: Before starting any construction activities, conduct pre-construction survey for presence of this species. • If these species are present, the findings should be recorded and reported. No disturbance or works on the site should start/continue until PIU issues clearance to proceed. • PIU should coordinate with the Forestry Department to coordinate the translocation of the affected species.	• Survey of vultures and other species dependent on the available food in the work areas • Bio-diversity assessment	BC	PIU / CMSC with the assistance of PMCBC Bio-diversity expert and DBO contractor

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Compliance Status	Responsibility
- If these vulture species are present, the design shall ensure that breeding areas are not directly affected by the proposed pipeline routes and permanent infrastructure. Changes in route alignment, timing of works and avoidance of tree felling will reduce risk and impacts - Construction work shall be timed to avoid the breeding season if specimens of these birds are found to be using the AoA during the breeding season <i>Monitoring.</i> If such species are present the project shall take the opportunity to monitor vulture activities within the project area and develop a local community awareness program to support conservation of the species			
Direct harm or killing of individuals during construction earthworks, tracking of vehicles and equipment across burrows. Indirect disturbance of individuals through noise and vibration during pipeline construction works. Induced impacts through improved access along pipeline way leave during and after construction period causing increased opportunity for hunting of species for meat trade: - Before starting any construction activities, conduct survey of species for the EIA process AND prior to construction works, even if not found in initial surveys. - If these species are present, the findings should be recorded and reported. No disturbance or works on the site should start/continue until PIU issues clearance to proceed. - PIU should coordinate with the Forestry Department to coordinate the translocation of the affected species. If such species are present the project shall take the opportunity to monitor vulture activities within the project area and develop a local community awareness program to support conservation of the species	- Survey of vultures and other species dependent on the available food in the work areas - Bio-diversity assessment	BC	PIU / CMSC with the assistance of PMCBC Bio-diversity expert and DBO contractor

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Compliance Status	Responsibility
Sirohi			
Intake in Angore and Kalkaji Dam# (Sirohi) - Water quality and ecological impacts: - Design inlet of intake pipe in the dam with appropriate screen to avoid entry of aquatic organisms into inlet - Select a construction methodology that is least disturbing, and appropriate for the in-situ soil condition, and able to complete the construction work prior to onset of monsoon - Schedule the construction works during low water level period – late winter months to pre monsoon (February – June/July); ensure that works are completed during the same period to prior to onset of monsoon; - Erect temporary barriers to form enclosed construction area with least disturbance - Allow adequate time to settle the distributed solids to prior to pumping out water; only clear/clarified water shall be pumped back into the reservoir; any silt laden water should be pumped to a silt pond - Avoid/minimize use of fuels, chemicals and lubricants; ensure no spillage - Clear the work site after completion at least to pre project conditions, ensure that there are no materials, debris, spills etc., and prior to removal of temporary barriers / coffer dam - Implement work site safety at works in water body	- Design of intake - Methodology of intake construction works - Maintenance of construction machineries to prevent any oil spillage - Safety arrangement at intake site - Work schedule	C C BC BC BC	PIU / CMSC with the assistance of PMCBC
Khetri			
All work sites - Physical cultural resources and chance finds: - Ensure that worksites are not located in archeologically sensitive areas; liaise and reconfirm with local Archeological Department during detailed design phase; - Create awareness among the workers, supervisors and engineers about the chance finds during excavation work; - Stop work immediately to allow further investigation if any finds are suspected;	- Location of work sites - Chance finds protocol	BC	DBO Contractor/ PIU/ CMSC/ PMCBC

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Compliance Status	Responsibility
Inform local Archaeological Department / Museum office if a find is suspected and take any action, they require to ensure its removal or protection in situ.			
Pre –Construction Phase			
Abu Road			
Works close to forest areas - Disturbance / damage to flora, fauna: - Intake work site and associated work facilities shall be properly demarcated and barricaded; - All works, construction material storage/ancillary works shall be confined to the demarcated areas, no movement of workers, vehicles, equipment allowed outside this area - Ensure proper barricading so that no wildlife, even if it is unlikely, accidentally enters work area - No labour camps shall be located near intake or near forests (maintain minimum 2 km buffer) - Limit the work to daylight hours only; no work after sunset - No workers /personnel shall enter forest areas; it is the DBOC responsibility to take necessary precautions & prevent workers removing/damaging trees/vegetation, hunting / harming animals - Create awareness among workers on environment & safety; - No high noisy works shall be conducted	- Survey for bio-diversity near the works of intake, WTP close to forest areas - Locations of work camps - Work schedule	TC (Work of Intake well is yet to start and design of intake well is under review) (will be complied before the start of work and during construction)	DBO contractor/ PIU/Consultants
Preparation of plans and protocols- Various impacts: (i) Prepare traffic management plan (ii) Prepare occupational health and safety plan (iii) Prepare spoils management plan	Site specific EHS plan covering all these plans	C	DBO Contractor
Banswara			
Preparation of plans and protocols- Various impacts: (i) Prepare traffic management plan (ii) Prepare occupational health and safety plan (iii) Prepare spoils management plan	Site specific EHS plan covering all these plans	C	DBO Contractor

Impacts/ Mitigation Measures (List from IEE)/	Parameters Monitored	Compliance Status	Responsibility
Construction Phase			
Ratangarh			
Construction of CRMC at Main Ginani - Safe disposal of Solid waste accumulated at Ginani, workers and public safety (In Ratangarh): • Provide dedicated power supply at site, if possible, otherwise DG set to be used during power failure, should be soundproof and having acoustic enclosures with low/permitted air emission standards; • Remove solid waste from site and dispose scientifically • Firm barricades should be provided all-round the site; • No workers camps should be allowed during construction works at site; • Entry should be restricted through provision of gate and guard during SPS operation; and	• Work plan • Design approval • Site safety including signage, barricades, project information boards • Removal of solid waste before start of works • Tree cutting • Noise level monitoring during construction works	C	DBO Contractor
Construction of CRMC at Nagar Palika Office Campus - Disturbance to public and staff visiting/working in Nagar Palika office, traffic disturbance and safety risks (In Ratangarh and Pratapggarh): • No worker camps should be constructed at CRMC site • Proper barricades and signage should be provided at site • No noisy works and transportation of construction materials/plying of heavy vehicles at/near site during office working hours should be ensured • Removal of extraneous materials from site up to end of day should be ensured • provide proper toilets for workers at site • Avoid tree cutting and if tree cutting is necessary compensatory plantation should be done as per RUIDP policy • Provide dedicated power supply at site, if possible, otherwise DG set to be used during power failure, should be soundproof and having acoustic enclosures with low/permitted air emission standards	• Work plan • Design approval • Site safety including signage, barricades, project information boards • Removal of extraneous materials on same day • Tree cutting • Noise level monitoring during construction works	C	DBO Contractor

OVERALL COMPLIANCE WITH EMP IN DIFFERENT PACKAGES**Table-10: Overall Compliance with EMP**

SNo.	Sub-Project Name	Package no.	EMP/ CEMP Part of Contract Documents (Y/N)	CEMP/ EMP Being Implemented (Y/N)	Status of Implementation (Excellent/ Satisfactory/ Partially Satisfactory/ Below Satisfactory)	Action Proposed and Additional Measures Required
1.	Ratangarh Sewerage Works	RSTDIP/RTG-FTP-LXG/01	Yes	Yes	Satisfactory	No any
2.	Fatehpur Sewerage Works		Yes	Yes	Satisfactory	No any
3.	Laxmangarh Water Supply Works		Yes	Yes	Satisfactory	No any
4.	Sardarshahar Water Supply and Sewerage Works	RSTDIP/SRD/01	Yes	Yes	Satisfactory	No any
5.	Sirohi Water Supply and Sewerage Works	RSTDIP/SHR-ABR/01	Yes	Yes	Satisfactory	No any
6.	Abu Road Water Supply and Sewerage Works		Yes	Yes	Satisfactory	No any
7.	Pratapgarh Sewerage Works	RSTDIP/PRT/01	Yes	Yes	Satisfactory	No any
8.	Banswara Water Supply and Sewerage Works	RSTDIP/BNS/04	Yes	Yes	Satisfactory	No any
9	Khetri Water Supply and Sewerage Works	RSTDIP/KTR/03	Yes	Yes	Satisfactory	No any
10	Mandawa Water Supply and Sewerage Works	RSTDIP/MDW/03	Yes	Yes	Satisfactory	No any
11	Kuchaman Water Supply and Sewerage Works	RSTDIP/KMN/02	Yes	Yes	Satisfactory	No any
12	Ladnu Sewerage Works	RSTDIP/LDN-DID-MKN/01	Yes	Yes	Satisfactory	No any
13	Didwana Sewerage Works		Yes	Yes	Satisfactory	No any
14	Makrana Sewerage Works		Yes	Yes	Satisfactory	No any

Table 11: Package-wise IEE Status

Package Number	Components	Design Status (Preliminary Design Stage/Detailed Design Completed)	Final IEE based on Detailed Design				Site-specific EMP (or Construction EMP) approved by Project Manager? (Yes/No)	Remarks
			Not yet due (detailed design not yet completed)	Submitted to ADB (Provide Date of Submission)	Disclosed on project website (Provide Link)	Final IEE provided to Contractor/s (Yes/No)		
RSTDIP/RTG-FTP-LXG/01	Ratangarh Sewerage Works	Detail Design under process	✓		✓	✓	Yes	Third Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
	Fatehpur Sewerage Works	Detail Design under process			✓	✓	Yes	Third Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
	Laxmangarh Water Supply Works	Detail Design under process			✓	✓	Yes	Third Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
RSTDIP/ SRD/01	Sardarshahar Water Supply and Sewerage Works	Detail Design under process			✓	✓	Yes	Second Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
RSTDIP/ SHR-ABR/01	Sirohi Water Supply and Sewerage Works	Detail Design under process			✓	✓	Yes	Third Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
	Abu Road Water Supply and Sewerage Works	Detail Design under process	✓		✓		Yes	Third Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
RSTDIP/ PRT/01	Pratapgarh Sewerage Works	Detail Design under process			✓		Yes	Second Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
RSTDIP/ BNS/04	Banswara Water Supply and Sewerage Works	Detail Design under process			✓	✓	Yes	Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
RSTDIP/ KTR/03	Khetri Water Supply and Sewerage Works	Detail Design under process			✓	✓	Yes	Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.

Package Number	Components	Design Status (Preliminary Design Stage/Detailed Design Completed)	Final IEE based on Detailed Design				Site-specific EMP (or Construction EMP) approved by Project Manager? (Yes/No)	Remarks
			Not yet due (detailed design not yet completed)	Submitted to ADB (Provide Date of Submission)	Disclosed on project website (Provide Link)	Final IEE provided to Contractor/s (Yes/No)		
RSTDIP/MDW/03	Mandawa Water Supply and Sewerage Works	Detail Design under process			✓	✓	Yes	Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
RSTDIP/KMN/02	Kuchaman Sewerage Works	Detail Design under process			✓	✓	Yes	Second Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
RSTDIP/LDN-DID-MKN/01	Ladnu Sewerage Works	Preliminary Design Stage			✓	✓	Yes	Updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
RSTDIP/LDN-DID-MKN/01	Didwana Sewerage Works	Detail Design under process			✓	✓	Yes	Second updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.
RSTDIP/LDN-DID-MKN/01	Makrana Sewerage Works	Detail Design under process			✓	✓	Yes	Second updated IEE Approved by ADB in July 2023 and uploaded on ADB website link shared.

Note: Draft IEEs are disclosed in RUIDP website- <https://lsq.urban.rajaasthan.gov.in/content/raj/udh/ruidp/en/safeguard-policies/initial-environmental-examination--iee-reports/initial-environmental-examination--iees--reports.html> updated IEEs also has been disclosed at this link after approval from ADB

4. APPROACH AND METHODOLOGY FOR ENVIRONMENTAL MONITORING OF THE PROJECT

14. **Institutional Arrangement for Environmental Mmanagement:** For the measurement of effectiveness of the environmental performance of contractor, regular environmental monitoring is required. In RSTDSP there is well established organizational structure for environmental monitoring. Project Officer (Environment) with support of Assistant Project Officer (Environment) in PMU is overall looking environmental issues in the project. Safeguard and Safety Officers (SSO) deputed in each PIU are responsible for day to day monitoring of environmental performance of project contractor. In PMCBC; Environment Safeguard Specialist (ESS) is deputed with environmental safeguard support staff who are responsible for review the updated IEE/EMP and monitoring of environmental safeguard compliances during construction phase. ESS will support PO (Environment) at PMU and SSOs at PIUs in implementation, management and monitoring of all environmental safeguards related activities. The town level consultant team (Construction Management and Supervision Consultants-CMSCs) includes Environmental Safeguard Professional and Environmental Safeguard Support personals, who are responsible for updating the IEE/EMP, monitoring of implementation measures on project sites and reporting to PIU/PMU. CMSCs also include Assistant Construction Manager (ACM) at each PIU responsible for the construction supervision including environmental safeguards at subproject town level. Community Action and Participation Consultants (CAPC) will support PIUs in construction facilitation, community consultation/participation, grievance registration and redress during the construction. The contractors have appointed an Environment, Health and Safety (EHS) Officer in each town who are responsible on a day-to-day basis for (i) ensuring implementation of EMP, (ii) coordinating with the ACM and environment safeguards specialists (all levels PO, SSO & ESS); (iii) community liaison, consultations with interested/affected parties, and grievance redress; and (iv) reporting.

15. **Site visits.** Site visit is carried out by ESS, PMCBC and Environment Safeguard Professionals of CMSCs and/or their safeguard support staff on regular basis for the monitoring of contractor's performance towards social, environment, health and safety issues as described in EMP. During site visit the safeguard personnel visit all the working sites along with town consultants engineers/PIU engineers, contractor's EHS supervisor and site engineers and verify the compliances towards environmental safeguard outlined in EMP. During site visit safeguard team also interacts with labors and nearby habitants and shopkeepers to find out whether they are facing any difficulties due to construction works and discusses these issues with PIU and contractor for remedial action to be taken. During site

visit if any issue is identified which is not addressed in IEE/EMP it is discussed with PIU/PMU and further would be updated in IEE with mitigation measures for it.

16. **Document Checks.** At project offices (PU/PIUs) and during visit to project towns various documents related to environmental safeguard compliances are regularly checked by ESS. Main documents checked are contractors EHS plan, PUC of contractor's vehicles, agreements with other parties, environmental monitoring (air, water, noise, soil etc.) reports, training records, NOCs, consents, permits from other departments, work plan and site plans, grievances register, first aid register, equipment fitness reports etc.

17. **Consultations.** Consultation is a process in the project cycle to ensure the involvement of the public as stakeholders in project execution through consultation and focus group discussion meetings. Stakeholders' participation and consultation have been taken up as a continual course of action, which promote public understanding and help to minimize grievances due to ongoing work in the project. Consultation during project implementation is an integral part of the environmental management process, which not only minimizes the risks of public agitation/resistance against the project but also eradicate the gap between the community and the project management authorities, which leads to timely completion of the project and making the project people friendly.

18. Keeping in mind the objective of minimizing adverse impact and the need of the stakeholders' participation for the smooth implementation of the project, consultation with the members of different sections of society, the affected people, identified vulnerable groups including women headed households, slum dwellers, vendors, vegetable seller, tourist and students of the project area were carried out during planning phase. As per ADB policy consultations will be continued throughout the project implementation period. Consultations are essential part of site visit of safeguard team to project areas.

19. The main objectives of undertaking these consultations are:

- To seek inputs from the stakeholders on the project execution and understand the difficulties/priorities / concerns of the communities.
- To make affected persons aware of the project impacts.
- Dissemination of information to build awareness among DPs and other stakeholders and inform them about the nature of inconvenience which may be anticipated during implementation of the project.
- Discuss about the training requirements to enhance their skills & restore the livelihood.

20. **Monitoring of ambient environmental conditions.** Environmental Monitoring for ambient air, noise, water and soil is being carried out quarterly in all project towns. The details of environmental monitoring are described in chapter 6.

5. NATIONAL STANDARDS

Table -12: National Ambient Air Quality Standards

SI No:	Pollutants	Time weighted average	Concentration in ambient air		Method of measurement	IFC Standards (µg/m ³)
			Industrial, Residential, Rural & Other Areas	Ecologically Sensitive Areas		
1	Sulphur Dioxide (SO ₂) µg/m ³	Annual 24 hours	50 80	20 80	Improved West and Geake-Ultraviolet fluorescence	50 (Annual) 20 (24-hr) 500 (10-min)
2	Nitrogen Dioxide (NO ₂) µg/m ³	Annual 24 hours	40 80	30 80	Modified Jacob & Hochheiser (Na-Arsenite) Chemiluminescence	40 (Annual) 80 (24-hr) 200 (1-hr)
3	Particulate Matter (Size less than 10 µm) or PM10 µg/m ³	Annual 24 hours	60 100	60 100	Gravimetric -TOEM -Beta attenuation	20 (Annual) 50 (24-hr)
4	Particulate Matter (Size less than 2.5 µm) or PM2.5 µg/m ³	Annual 24 hours	40 60	40 60	Gravimetric -TOEM -Beta attenuation	10 (Annual) 25 (24-hr)
5	Carbon Monoxide (CO) µg /m ³	8 hours 1 hours	02 04	02 04	Non Dispersive Infra Red (NDIR) Spectroscopy	2,000 (8-hr) 4,000 (1-hr) 100,000 (15-min)

Table -13: National and ADB SPS's Noise Quality Standards

As per the Noise Pollution (Regulation and Control) Rules, 2000

Area code	Category of area/zone	Noise Limit in dB (A)		ADB SPS Noise Limit dB (A)	
		Day time	Night time	Day time	Night time
a	Industrial area	75	70	70	70
b	Commercial area	65	55	70	70
c	Residential area	55	45	55	45
d	Silence zone	50	40	-	-
e	Institutional/Educational	-	-	55	45

Table -14: Drinking Water Quality Standards (As per IS 10500:2012)

Organoleptic and Physical Parameters

(Foreword and Clause 4)

Sl No.	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	Method of Test, Ref to Part of IS 3025	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
i)	Colour, Hazen units, <i>Max</i>	5	15	Part 4	Extended to 15 only, if toxic substances are not suspected in absence of alternate sources
ii)	Odour	Agreeable	Agreeable	Part 5	a)Test cold and when heated b)Test at several dilutions
iii)	pH value	6.5-8.5	No relaxation	Part 11	—
iv)	Taste	Agreeable	Agreeable	Parts 7 and 8	Test to be conducted only after safety has been established
v)	Turbidity, NTU, <i>Max</i>	1	5	Part 10	—
vi)	Total dissolved solids, mg/l, <i>Max</i>	500	2 000	Part 16	—

NOTE — It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible limit in the absence of alternate source' in col 4, above which the sources will have to be rejected.

Table -15: General Parameters Concerning Substances Undesirable in Excessive Amounts

(Foreword and Clause 4)

Sl No.	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	Method of Test, Ref to	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
i)	Aluminium (as Al), mg/l, <i>Max</i>	0.03	0.2	IS 3025 (Part 55)	—
ii)	Ammonia (as total ammonia-N), mg/l, <i>Max</i>	0.5	No relaxation	IS 3025 (Part 34)	—
iii)	Anionic detergents (as MBAS) mg/l, <i>Max</i>	0.2	1.0	Annex K of IS 13428	—
iv)	Barium (as Ba), mg/l, <i>Max</i>	0.7	No relaxation	Annex F of IS 13428* or IS 15302—	—
v)	Boron (as B), mg/l, <i>Max</i>	0.5	1.0	IS 3025 (Part 57)	—
vi)	Calcium (as Ca), mg/l, <i>Max</i>	75	200	IS 3025 (Part 40)	—
vii)	Chloramines (as Cy, mg/l, <i>Max</i>	4.0	No relaxation	IS 3025 (Part 26)* or APHA 4500-Cl G	—
viii)	Chloride (as Cl), mg/l, <i>Max</i>	250	1 000	IS 3025 (Part 32)	—
ix)	Copper (as Cu), mg/l, <i>Max</i>	0.05	1.5	IS 3025 (Part 42)	—

SI No.	Characteristic	Requirement (Acceptable Limit)	Permissible Limit in the Absence of Alternate Source	Method of Test, Ref to	Remarks
(1)	(2)	(3)	(4)	(5)	(6)
x)	Fluoride (as F) mg/l, <i>Max</i>	1.0	1.5	IS 3025 (Part 60)	—
xi)	Free residual chlorine, mg/l, <i>Min</i>	0.2	1	IS 3025 (Part 26)	To be applicable only when water is chlorinated. Tested at consumer end. When protection against viral infection is required, it should be minimum 0.5 mg/l
xii)	Iron (as Fe), mg/l, <i>Max</i>	0.3	No relaxation	IS 3025 (Part 53)	Total concentration of man-ganese (as Mn) and iron (as Fe) shall not exceed 0.3 mg/l
xiii)	Magnesium (as Mg), mg/l, <i>Max</i>	30	100	IS 3025 (Part 46)	—
xiv)	Manganese (as Mn), mg/l, <i>Max</i>	0.1	0.3	IS 3025 (Part 59)	Total concentration of manganese (as Mn) and iron (as Fe) shall not exceed 0.3 mg/l
xv)	Mineral oil, mg/l, <i>Max</i>	0.5	No relaxation	Clause 6 of IS 3025(Part 39) Infrared partition method	—
xvi)	Nitrate (as NOA mg/l, <i>Max</i>	45	No relaxation	IS 3025 (Part 34)	—
xvii)	Phenolic compounds (as C ₆ H ₅ OH), 0.001 mg/l, <i>Max</i>		0.002	IS 3025 (Part 43)	—
xviii)	Selenium (as Se), mg/l, <i>Max</i>	0.01	No relaxation	IS 3025 (Part 56) or IS 15303*	—
xix)	Silver (as Ag), mg/l, <i>Max</i>	0.1	No relaxation	Annex J of IS 13428	—
xx)	Sulphate (as SO ₄) mg/l, <i>Max</i>	200	400	IS 3025 (Part 24)	May be extended to 400 provided that Magnesium does not exceed 30
xxi)	Sulphide (as H ₂ S), mg/l, <i>Max</i>	0.05	No relaxation	IS 3025 (Part 29)	—
xxii)	Total alkalinity as calcium carbonate, mg/l, <i>Max</i>	200	600	IS 3025 (Part 23)	—
xxiii)	Total hardness (as CaCO ₃), mg/l, <i>Max</i>	200	600	IS 3025 (Part 21)	—
xxiv)	Zinc (as Zn), mg/l, <i>Max</i>	5	15	IS 3025 (Part 49)	—

NOTES

- 1 In case of dispute, the method indicated by '*' shall be the referee method.
- 2 It is recommended that the acceptable limit is to be implemented. Values in excess of those mentioned under 'acceptable' render the water not suitable, but still may be tolerated in the absence of an alternative source but up to the limits indicated under 'permissible limit in the absence of alternate source' in col 4, above which the sources will have to be rejected

**Table -16: Surface Water Quality Standards for class B (bathing)
(As per IS 2296:1982)**

S.No.	Characteristic	Tolerance Limit
1.	pH Value	6.5 to 8.5
2.	Dissolved Oxygen, mg/l/ Max	5.0
3.	Biochemical Oxygen Demand	3.0
4.	Total Coliform Organisms, MPN/100 ml, Max	500
5.	Fluorides (as F) <mg/l, Max	1.5
6.	Colour, Hazen Units, Max	300
7.	Cyanides (as CN), mg/l, Max	0.05
8.	Arsenic (as As), mg/l, Max	0.2
9.	Phenolic Compounds (As C ₆ H ₅ OH) mg/l, Max	0.005
10.	Chromium (as Cr ⁶⁺), mg/l, Max	1.0
11.	Anionic detergents (as MBAS), mg/l, Max	1.0
12.	Alpha emitters, mc/ml, Max	10 ⁻⁸

Table-17: Discharge Standards to be achieved as per NGT order dtd. 30.04.2019

Sl. No.	Parameters	Parameters Limit
1	pH	5.5-9.0
2	BOD (mg/l)	Not more than 10 mg/l
3	COD (mg/l)	Not more than 50 mg/l
4	TSS (mg/l)	Not more than 20 mg/l
5	P-Total (mg/l)- for discharge into ponds/lakes	Not more than 1.0 mg/l
6	N-Total (mg/l)	Not more than 10 mg/l
7	Fecal Coliform (MPN/100ml)	Desirable- Less than 100 MPN/100ml Permissible- 230 MPN/100ml

Note: The discharge standards as directed by NGT to be achieved are already being followed in RSTDSP projects.

6. MONITORING OF ENVIRONMENTAL PARAMETERS IN PROJECT LOCATIONS (AMBIENT AIR, WATER QUALITY, SOIL QUALITY AND NOISE LEVELS)

21. Before start of project activities baseline monitoring is done in each project towns at prominent locations identified in IEE to establish the baseline data of ambient conditions of environment in the project areas. During construction phase monitoring for ambient environmental conditions (air, water, noise and soil) is conducted on quarterly duration on the locations identified in IEE/EMP. During site visit if any other requirement for environmental monitoring is found, which is not identified in IEE/EMP, contractor is required to do monitoring after approval of CMSC/PIU. Monitoring results are compared from baseline data and/or national standards and if unacceptable deviation is found, mitigation measures are prepared by ESS of CMSC and conveyed to contractor for compliance. Type of environmental monitoring with parameters and location is given in following **Table 18** and method of monitoring and equipment used is given in **Table 19**.

Table-18: Types, parameters and locations of environmental monitoring

S.No.	Type of monitoring	Parameters	Locations
1.	Ambient Air Quality	Particulate Matters PM ₁₀ , SO _x , NO _x , Carbon Monoxide (CO), Particulate Matter PM _{2.5}	WTP, STP, SPS, Pipe laying site specially near sensitive locations
2.	Ambient Noise monitoring	L _{day} and L _{night} (in Leq dBA) 24 hrs basis	WTP, STP, SPS, Pipe laying site specially near sensitive locations
3.	Surface Water quality	pH, Turbidity, Total Hardness, DO, BOD, COD, Chloride, Hg, Iron, TDS, TSS, Calcium, Zn, Cr ⁺⁶ , Magnesium, Copper, Manganese, Sulphate, Cyanide, Nitrate, Sodium, Potassium, Fluoride, Cadmium, Arsenic, Lead, Boron, Selenium, Aluminium, Total residual Chlorine	Surface water resources (river, pond, lake etc.) if within 500 mtrs of project affected area, intake source
4.	Ground Water quality	pH, TDS, Total Hardness, Zn, Chloride, Iron, Copper, DO, Manganese, Suplhate, Nitrate, Fluiride, Hg, Cadmium, Cr ⁺⁶ , Arsenic, Lead, Total Alkalinity, Phosphate, Phenolic compound	WTP, STP, SPS and any central location in the town
5.	Soil Quality	pH, Elect. Conductivity (at 25°C), Moisture (at 105°C), Texture (silt, clay, sand), Calcium (as CaO), Magnesium (as Mg), Permeability, Nitrogen (as N), Sodium (as Na), Phosphate (as PO ₄), Potassium (as K), Organic Matter, oil and grease	WTP, STP, SPS

Table 19: Method of monitoring and equipment used

S.No.	Parameter monitoring	of	Equipment used	Methodology	Protocol of test
Air Quality					
1.	PM ₁₀		Fine Particulate Sampler (e.g. Envirotech APM 550)	Collection of particulate matter on filter papers and gravimetric analysis	IS 5182 (part 23): 2006

S.No.	Parameter monitoring of	Equipment used	Methodology	Protocol of test
2	PM _{2.5}	PM2.5 sampler (e.g. Envirotech APM 154)	Collection of particulate matter on filter papers and gravimetric analysis	As per CPCB guidelines
3	SO _x	Respirable Dust Sampler with gaseous attachment (e.g. Envirotech APM 460BL), UV/VIS spectrophotometer	Absorption of a gases in liquid absorbent and analysis by improved West and Geike	IS 5182 (part 2): 2001
4	NO _x	Respirable Dust Sampler with gaseous attachment (e.g. Envirotech APM 460BL), UV/VIS spectrophotometer	Absorption of a gases in liquid absorbent and analysis by Modified Jacob and Hochheiser (Na-arsenite)	IS 5182 (part VI):2006
5	CO	Single Gas Analyser (CO meter)	Detection method	IS 5182 (part 10): 1999
Noise Quality				
6	Noise Level (Day time and night time)	Noise level meter (Envirotech SLM 100)	Instrumental	IS 9989
Water Quality				
7	pH	pH meter	Instrumental	IS:3025 (part 11): 2002
8	Turbidity	Manual Grab Sampling in Sterilized Sample collection bottle and lab analysis	Gravimetric Analysis	IS:3025 (part 10): 1984
9	Total Suspended Solids (TSS)	-do-	Gravimetric Analysis	IS:3025 (part 15): 1984
10	Total Dissolved Solids (TDS)	-do-	Gravimetric Analysis	IS:3025 (part 16): 2006
11	Total Hardness as CaCO ₃	-do-	Qualitative Analysis	IS:3025 (part 21): 2009
12	Chloride as Cl	-do-	Qualitative Analysis	IS:3025 (part 32): 2003
13	Sulphate as SO ₄	-do-	Qualitative Analysis	IS:3025 (part 24): 2003
14	Iron as Fe	-do-	Qualitative Analysis	IS:3025 (part 53): 2003
15	Fluoride as F	-do-	Qualitative Analysis	IS:3025 (part 60): 2008
16	Zinc as Zn	-do-	Qualitative Analysis	IS:3025 (part 49): 1994
17	Copper as Cu	-do-	Qualitative Analysis	IS:3025 (part 42): 1992
18	Manganese as Mn	-do-	Qualitative Analysis	IS:3025 (part 59): 2006
19	Mercury as Hg	-do-	Qualitative Analysis	IS:3025 (part 48): 1994
20	Cadmium	-do-	Qualitative Analysis	IS:3025 (part 41): 1992
21	Chromium as Cr	-do-	Qualitative Analysis	IS:3025 (part 52): 2003
22	Total Arsenic as As	-do-	Qualitative Analysis	IS:3025 (part 37): 1988
23	Lead as Pb	-do-	Qualitative Analysis	IS:3025 (part 47): 1994
24	Dissolved Oxygen (DO)	-do-	Qualitative Analysis	IS:3025 (part 38): 1989
25	Chlorine (residual free)	-do-	Qualitative Analysis	APHA 22 nd edition-4500Cl B
26	Calcium as Ca	-do-	Qualitative Analysis	IS:3025 (part 40): 2003
27	Magnesium as Mg	-do-	Qualitative Analysis	APHA 22 nd edition
28	Total Alkanity as CaCO ₃	-do-	Qualitative Analysis	IS:3025 (part 23): 2003
29	Colour	-	Physical observation	APHA 22 nd edition
30	Odour	-	Physical observation	APHA 22 nd edition
31	Taste	-	Physical observation	APHA 22 nd edition
32	Phenolic Compound	-do-	Qualitative Analysis	IS:3025 (part 43): 1992
33	Total Residual Chlorine	-do-	Qualitative Analysis	IS:3025 (part 26): 1986

7. ENVIRONMENTAL MONITORING DURING REPORTING PERIOD

22. Baseline environmental monitoring for ambient air, noise, water and soil has been conducted in all towns. Results show that ambient air quality in these towns are well within the prescribed standards, whereas noise quality is slightly higher in most of project towns due to prevailing ambient conditions such as noise from vehicles and other activities near the monitoring locations. During reporting period environmental monitoring was conducted in all towns whereas Construction phase environmental monitoring (quarterly) was conducted in 13 towns (Banswara, Kuchaman, Didwana, Ladnu, Makrana, Khetri, Abu Road, Pratapgarh, Sardarshahar Mandawa, Sirohi, Fatehpur and Ratangarh as well as FSTP towns namely Neem Ka Thana, Bandi Kui, Jobner, Bari, Deeg, Dausa, Tijara, Bhawani Mandi, Gangapur, Shahpura (Bhilwara), Bhinder-Kanode & Pilibanga-Suratagargh. Results of environmental monitoring (baseline and periodical) during reporting period is given in Appendix 11. Summary of environmental monitoring conducted during reporting period is given below in Table -20.

Table 20 A: Summary of Environmental Monitoring conducted under RSTDSP during April 2024 to September 2024

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
1	Sardarshahar	Construction	- Air Quality, - Noise Quality, - Ground Water Quality, - Soil Quality	05.04.2024 to 07.04.2024	- STP – 1 (2.3 MLD) South Campus - STP – 2 (3.4 MLD) North Campus - PHED Campus (CWR 2400 KL) - Zone – 1 (BT Road Work) 1.6 MLD STP - Zone 4 (7A)	- Air quality monitoring conducted at 6 locations and all results are within national standards for all parameters in all 6 locations, whereas PM₁₀ (ranges from 65.10 to 71.20 µg/m³ and PM_{2.5} (ranges from 26.6 to 29.3 µg/m³) values in all 6 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 6 locations. Day time results ranges from 50.9 to 53.6 dBA and night time results ranges from 40.3 to 43.0 dBA. Results show that during day and night time, noise quality results were within prescribed limits as per the national standards as well as ADB SPS recommended standards.
2	Banswara	Construction	- Air Quality, - Noise Quality, - Ground Water Quality, - SW Quality - Soil Quality	15.04.2024 to 17.04.2024	- STP Site - WTP AEn Campus - SPS @ Nathelav Pond - WTP Kagdi Site - Pratpgarh Road - Mohan Circle	- Air quality monitoring conducted at 6 locations and all results are within national standards for all parameters in all 6 locations, whereas PM₁₀ (ranges from 51.2 to 70.3 µg/m³ and PM_{2.5} (ranges from 23.7 to 36.5 µg/m³) values in all 6 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 6 locations. Day time results ranges from 56.0 to 69.0 dBA and night time results ranges from 47.0 to 63.0 dBA. Results show that during day time and night time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at all 6 locations.
3	Abu Road	Construction	- Air Quality, - Noise Quality, - Ground	06.05.2024 to 07.05.2024	- Market Network Area - Manpur Workmen Camp - Near STP & WTP Santpur - CWR Luniapura	Air quality monitoring conducted at 4 locations and all results are within national standards for all parameters in all 4 locations, whereas PM₁₀ (ranges from 63.6 to 66.8 µg/m³ and PM_{2.5} (ranges from 30.6 to 32.5 µg/m³) values in all 4

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
			- Water Quality, - Soil Quality			locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. Noise quality monitoring conducted at 4 locations. Day time results ranges from 54.8 to 56.1 dBA and night time results ranges from 42.1 to 43.8 dBA. Results show that during day time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at 3 locations whereas noise quality results during night time were within prescribed limits as per both standards at all 4 locations.
4	Sirohi	Construction	- Air Quality, - Noise Quality, - Ground - Water Quality, - Soil Quality	07.05.2024 to 08.05.2024	- Intake Well Site - Near Workmen Camp/STP 5.0 MLD 1.7 MLD STP - CRMC Building	- Air quality monitoring conducted at 4 locations and all results are within national standards for all parameters in all 4 locations, whereas PM₁₀ (ranges from 64.6 to 69.8 µg/m³ and PM_{2.5} (ranges from 28.6 to 32.5 µg/m³) values in all 4 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 4 locations. Day time results ranges from 55.8 to 62.1 dBA and night time results ranges from 42.3 to 48.2 dBA. Results show that during day time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at all 4 locations whereas noise quality results during night time were within prescribed limits as per both standards at 2 locations.
5	Mandawa	Construction	- Air Quality, - Noise Quality, - Ground - Water Quality, - Soil Quality	10.06.2024 to 12.06.2024	- SPS Site - CWR PHED Site - STP Site - Pipe Laying Site	Air quality monitoring conducted at 4 locations and all results are within national standards for all parameters in all 4 locations, whereas PM₁₀ (ranges from 63.4 to 71.2 µg/m³ and PM_{2.5} (ranges from 24.2 to 26.9 µg/m³) values in 3 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards.

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
						Noise quality monitoring conducted at 4 locations. Day time results ranges from 60.5 to 65.1 dBA and night time results ranges from 49.2 to 50.2 dBA. Results show that during day and night time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at all 4 locations.
6	Kuchaman	Construction	- Air Quality, - Noise Quality, - Ground - Water Quality, - Soil Quality	12.06.2024 to 15.06.2024	7.6 MLD STP - RUIDP Office Near SK Academy - SPS – 1 Site 600 KL Site - L&T Labour Colony - Networking Site 01 - Networking Site 02	- Air quality monitoring conducted at 7 locations and all results are within national standards for all parameters in all 7 locations, whereas PM₁₀ (ranges from 64.5 to 84.8 µg/m³ and PM_{2.5} (ranges from 36.8 to 41.2 µg/m³) values in all 7 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 7 locations. Day time results ranges from 51.4 to 55.6 dBA and night time results ranges from 38.0 to 40.5 dBA. Results show that during day time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at 1 location (600 KL Site) whereas noise quality results during night time were within prescribed limits as per both standards at all 7 locations.
7	Ladnu	Construction	- Air Quality, - Noise Quality, - Ground - Water Quality, - Soil Quality	15.06.2024 to 16.06.2024	- STP – 1 (5.5 MLD) Asota Village - STP – 2 (2.4 MLD) Chipoli - Pipe Laying Site Near Sensitive Area (Gaurav Path, L&T Office)	- Air quality monitoring conducted at 3 locations and all results are within national standards for all parameters in all 3 locations, whereas PM₁₀ (ranges from 7.34 to 79.24 µg/m³ and PM 2.5 (ranges from 32.5 to 40.6 µg/m³) values in all 3 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 3 locations. Day time results ranges from 60.3 to 64.1 dBA and night time results ranges from 43.7 to 46.2 dBA. Results show that during day time, noise quality results were slightly higher than the

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
						national standards as well as ADB SPS recommended standards for residential areas at all 3 locations whereas noise quality results during night time were within prescribed limits as per both standards at 2 locations.
8	Ratangarh	Construction	- Air Quality, - Noise Quality, Ground - Water Quality, - Soil Quality	15.06.2024 to 17.06.2024	- STP 3.8 MLD - STP 6.1 MLD - SPS 3.8 MLD - SPS 4.6 MLD - Labour Camp	- Air quality monitoring conducted at 5 locations and all results are within national standards for all parameters in all 5 locations, whereas PM₁₀ (ranges from 60.8 to 75.4 µg/m³ and PM_{2.5} (ranges from 21.4 to 36.4 µg/m³). values in all 3 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 5 locations. Day time results ranges from 53.9 to 63.2 dBA and night time results ranges from 42.8 to 48.1 dBA. Results show that during day time noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards at 4 locations whereas noise quality results during night time were within prescribed limits as per both standards at 3 locations.
9	Didwana	Construction	- Air Quality, - Noise Quality, Ground - Water Quality, - Soil Quality	17.06.2024	- STP 3 MLD Site (Mela Maidan - SPS 1.3 MLD Site (Chhoti Devi School) - SPS 1.7 MLD (Salt Road) - Pipe Laying Site Near Sensitive Area (Store Room Kalwani)	- Air quality monitoring conducted at 4 locations and all results are within national standards for all parameters in all 4 locations, whereas PM₁₀ (ranges from 74.3 to 78.5 µg/m³ and PM 2.5 (ranges from 34.7 to 38.6 µg/m³) values in all 4 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 4 locations. Day time results ranges from 58.7 to 64.5 dBA and night time results ranges from 46.2 to 47.6 dBA. Results show that during day and night time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at all 4 locations.

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
10	Fatehpur	Construction	- Air Quality, - Noise Quality, Ground - Water Quality, - Soil Quality	17.06.2024 to 19.06.2024	- STP 1.1 MLD (Railway Crossing Puliya) - STP 4.3 MLD At Naribari Road - SPS 3.5 MLD At Behind Dholi Sati Temple - SPS 0.6 MLD (AXG Maszid) - Workmen Camp Churu Puliya Bypass	- Air quality monitoring conducted at 5 locations and all results are within national standards for all parameters in all 5 locations, whereas PM₁₀ (ranges from 68.2 to 75.2 µg/m³ and PM_{2.5} (ranges from 26.3 to 34.6 µg/m³) values in all 5 locations are within applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 5 locations. Day time results ranges from 61.7 to 73.2 dBA and night time results ranges from 46.4 to 50.4 dBA. Results show that during day and night time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at all 5 locations.
11	Makrana	Construction	- Air Quality, - Noise Quality, Ground - Water Quality, - Soil Quality	18.06.2024	- STP 7.7 MLD Site (Calananda) - SPS 2.1 MLD Site (Matavar Zone 8) - SPS 2.3 MLD (Jhalatalav Zone 5) - Pipe Laying Site Near Sensitive Area (L&T Workmen Camp & Store nearby Gurjar Colony)	- Air quality monitoring conducted at 4 locations and all results are within national standards for all parameters in all 4 locations, whereas PM₁₀ (ranges from 72.1 to 80.7 µg/m³ and PM 2.5 (ranges from 32.7 to 41.9 µg/m³) values in all 4 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 4 locations. Day time results ranges from 58.7 to 65.3 dBA and night time results ranges from 43.9 to 47.1 dBA. Results show that during day time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at all 4 locations whereas noise quality results during night time were within prescribed limits as per both standards at 2 locations.
12	Pratapgarh	Construction	- Air Quality, - Noise Quality, Ground	19.06.2024 to 20.06.2024	- Near STP Main gate - Near Sewage Pump House Station - Near CRMC 1	Air quality monitoring conducted at 3 locations and all results are within national standards for all parameters in all 3 locations, whereas PM₁₀ (ranges from 72.6 to 83.1 µg/m³ and PM_{2.5} (ranges from 29.8 to 39.9 µg/m³) values in all 3

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
			- Water Quality, - Soil Quality			locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. Noise quality monitoring conducted at 3 locations. Day time results ranges from 60.1 to 62.9 dBA and night time results ranges from 43.0 to 46.8 dBA. Results show that during day time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at all 3 locations whereas noise quality results during night time were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at all 2 locations.
13	Khetri	Construction	- Air Quality, - Noise Quality, - Ground - Water Quality, - Soil Quality	24.06.2024 to 25.06.2024	- STP Construction Site - Construction Site JEn Campus - Construction Site AEn Campus - Construction Site Govt Jay Singh School - Construction Site of Special Mohalla	- Air quality monitoring conducted at 5 locations and all results are within national standards for all parameters in all 5 locations, whereas PM₁₀ (ranges from 84.4 to 93.2 µg/m³ and PM_{2.5} (ranges from 36.4 to 45.2 µg/m³) values in all 5 locations are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. - Noise quality monitoring conducted at 5 locations. Day time results ranges from 52.3 to 58.5 dBA and night time results ranges from 42.5 to 49.3 dBA. Results show that during day & night time noise quality results were slightly higher as per the national standards as well as ADB SPS recommended standards for residential areas at all 3 locations.

Table 20 B: Summary of environmental monitoring conducted under RSTDSP (FSTP Towns) during April 2024 to September 2024

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
1	Bari	Construction	• Air Quality, • Noise Quality, Ground • Water Quality, • Soil Quality	29.06.2024 to 30.06.2024	FSTP Site Bari Town	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM₁₀ was found 69.9 µg/m³ and PM 2.5 was found 27.8 µg/m³) values are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 60.5 dBA and night time results found 46.6 dBA. Results show that during day & night time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at monitoring location.
2	Deeg	Construction	• Air Quality, • Noise Quality, Ground • Water Quality, • Soil Quality	29.06.2024 to 30.06.2024	FSTP Site Deeg Town	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM₁₀ was found 65.5 µg/m³ and PM 2.5 was found 23.3 µg/m³) values for PM₁₀ are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 62.8 dBA and night time results found 43.2 dBA. Results show that during day time, noise quality results were slightly higher whereas during night time noise quality results are within the national standards as well as ADB SPS recommended standards for residential areas at monitoring location.
3	Dausa	Construction	• Air Quality, • Noise Quality, Ground • Water Quality, • Soil Quality	28.06.2024 to 29.06.2024	FSTP Site Dausa Town	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM₁₀ was found 64.2 µg/m³ and PM 2.5 was found 24.3 µg/m³) values for PM₁₀ are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 60.1 dBA and night time results found 42.5 dBA. Results show that during day time, noise quality results were slightly higher whereas during night time noise quality results are within the national standards

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
						as well as ADB SPS recommended standards for residential areas at monitoring location.
4	Tijara	Construction	• Air Quality, • Noise Quality, Ground • Water Quality, • Soil Quality	30.06.2024	FSTP Site Tijara Town	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM₁₀ was found 63.3 µg/m³ and PM 2.5 was found 24.0 µg/m³) values for PM₁₀ are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 58.6 dBA and night time results found 44.1 dBA. Results show that during day time, noise quality results were slightly higher whereas during night time noise quality results are within the national standards as well as ADB SPS recommended standards for residential areas at monitoring location.
5	Bhawani Mandi	Construction	• Air Quality, • Noise Quality, Ground • Water Quality, • Soil Quality	23.06.2024 to 24.06.2024	FSTP Site Bhawani Mandi Town	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM₁₀ was found 68.8 µg/m³ and PM 2.5 was found 25.3 µg/m³) values are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 63.1 dBA and night time results found 44.7 dBA. Results show that during day time, noise quality results were slightly higher whereas during night time noise quality results are within the national standards as well as ADB SPS recommended standards for residential areas at monitoring location.
6	Bhinder – Kanode	Construction	• Air Quality, • Noise Quality, Ground • Water Quality, • Soil Quality	25.06.2024 to 26.06.2024	FSTP Site Bhinder – Kanode Town	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM₁₀ was found 71.2 µg/m³ and PM 2.5 was found 31.1 µg/m³) values are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 59.5 dBA and night time results found 40.7 dBA. Results show that during day time, noise quality results were slightly higher whereas during night time noise quality results are within the national standards

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
						as well as ADB SPS recommended standards for residential areas at monitoring location.
7	Shahpura (Bhilwara)	Construction	• Air Quality, • Noise Quality, Ground • Water Quality, • Soil Quality	26.06.2024 to 27.06.2024	FSTP Site Shahpura (Bhilwara) Town	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM10 was found 70.5 µg/m³ and PM 2.5 was found 29.1 µg/m³) values are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 56.3 dBA and night time results found 42.7 dBA. Results show that during day time, noise quality results were slightly higher whereas during night time noise quality results are within the national standards as well as ADB SPS recommended standards for residential areas at monitoring location.
8	Gangapur (Bhilwara)	Construction	• Air Quality, • Noise Quality, Ground • Water Quality, • Soil Quality	26.06.2024 to 27.06.2024	FSTP Site Gangapur (Bhilwara) Town	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM10 was found 78.1 µg/m³ and PM 2.5 was found 32.0 µg/m³) values are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 59.5 dBA and night time results found 41.2 dBA. Results show that during day time, noise quality results were slightly higher whereas during night time noise quality results are within the national standards as well as ADB SPS recommended standards for residential areas at monitoring location.
9	Pilibanga-Suratgarh	Construction	• Air Quality, • Noise Quality, • Ground • Water Quality	26.06.2024 to 27.06.2024	FSTP Site Pilibanga-Suratgarh	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM10 was found 66.4 µg/m³ and PM 2.5 was found 25.7 µg/m³) values are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 59.4 dBA and night time results found 42.7 dBA. Results show that during day time, noise quality results were slightly higher whereas during night time noise quality results are within the national standards

S. No	Name of town	Stage of project monitoring	Type of environmental monitoring	Period of sampling	Locations covered	Summary of Results and comparison with National Standards and ADB SPS requirements
						as well as ADB SPS recommended standards for residential areas at monitoring location
10	Neem Ka Thana	Construction	• Air Quality, • Noise Quality, • Ground • Water Quality	25.06.2024 to 26.06.2024	FSTP Site Neem Ka Thana	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM10 was found 76.8 µg/m³ and PM 2.5 was found 43.4 µg/m³) values are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 62.0 dBA and night time results found 48.0 dBA. Results show that during day & night time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at monitoring location.
11	Bandi Kui	Construction	• Air Quality, • Noise Quality, • Ground • Water Quality	19.06.2024 to 20.06.2024	FSTP Site Bandi Kui	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM10 was found 75.1 µg/m³ and PM 2.5 was found 39.4 µg/m³) values are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 64.0 dBA and night time results found 53.0 dBA. Results show that during day & night time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at monitoring location.
12	Jobner	Construction	• Air Quality, • Noise Quality, • Ground • Water Quality	22.06.2024 to 23.06.2024	FSTP Site Jobner	• Air quality monitoring conducted at 1 location & results are within national standards for all parameters, whereas PM10 was found 71.2 µg/m³ and PM 2.5 was found 43.7 µg/m³) values are more than applicable ADB SPS limits. All other parameters are within prescribed limits as per both standards. • Noise quality monitoring conducted at 1 location. Day time results found 64.0 dBA and night time results found 49.0 dBA. Results show that during day & night time, noise quality results were slightly higher than the national standards as well as ADB SPS recommended standards for residential areas at monitoring location.

8. ASBESTOS MANAGEMENT

23. Asbestos is a collective name given to a group of minerals that occur naturally as fiber bundles and possess high tensile strength, flexibility, heat resistance, non-biodegradability with chemical and physical durability. Asbestos is hydrated silicates with complex crystal structures. It is found in two configurations: chrysotile (derived from serpentine minerals) and amphibole is a naturally occurring mineral with long thin fibers. The most abundant asbestos used in the world is chrysotile. The use of Asbestos Containing Materials (ACM) propagated due to its economic viability.

24. Presently Asbestos is banned all over India, therefore there is no use of new ACMs at any project site. But, in the existing water supply system, Asbestos pipes are laid earlier, which are still in use by PHED. After completion of RSTDSP construction works, these old lines containing Asbestos pipes will be made defunct and new HDPE pipelines will be made functional for city water supply. There is chance of stored Asbestos pipes at project sites or encounter with ACM during pipe laying works in old/inner areas of towns, where existing water supply networks may contain Asbestos pipes. Keeping in mind the hazardous nature of Asbestos Containing Materials (ACM), Asbestos Management Plan (AMP) is being prepared to prevent the exposure of people to Asbestos. The purpose of this AMP is to identify, use appropriate methodology and scientifically handling /disposal of the Asbestos Containing Materials (ACM) in order to comply with the applicable National legislation and international standards in sync with norms of ADB's SPS 2009. Draft of ACM is already included in draft IEEs, which is being updated as per project town conditions.

25. PMU have mobilized the ACM Management Expert (ACMME) and ACMME is preparing Asbestos Containing Material Management Plan (ACMMP) for the towns where the water supply is a component of subproject. The ACMMP for following towns has been prepared by ACM Expert: Banswara, Abu Road, Sirohi, Khetri, Kuchaman and Mandawa, Laxmangarh and Sardarshahar, and the same is updated in IEEs for respective towns and submitted to ADB and the same is approved by ADB. Contractors have already been made aware of hazards of ACM during pre-construction and during construction by ACM Expert in his site visit and trainings for ACM management is provided in all project towns.

9. SITE VISITS FOR MONITORING OF CONTRACTORS PERFORMANCE FOR ENVIRONMENTAL SAFEGUARD COMPLIANCE

27. During reporting period (April 2024 to September 2024) environmental safeguard experts/Support Staff of CMSCs visited different sites for monitoring of contractors' environmental safeguard compliances in different sites. Environmental Site visit checklists are given in **Appendix 4** and summary of site visits is given in following **Table – 21**.

Table 21- Summary of Site Visits

Site Visit: Sirohi Town

1.	Towns visited: Sirohi		
	Date of site Visit: 02.04.2024 to 15.04.2024		
	Person visited the Site: Amit Chauhan (Environmental Safeguard Support) CMSC-2, Sirohi		
	Discussion with:	Topics of discussion	Outcome
	• Mr. Mr. Satish Vaniya (Safety Officer L&T, Sirohi) • Ram Ratan Suthar, (Assistant Construction Manager), CMSC –II, • Brijesh Verma (Support Engineer), • Shivlal, (Support Engineer) • Subhash Saini (Safety Steward L&T)	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines.	All Legal, Contractual and Environmental Regulatory documents should be complied/updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed the contractor to implement the same on urgent basis.
		Environment, Health and Safety documentation record.	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.
		Environment, Health and Safety, Site specific issues & Medical Health Check-up of Labour and Site Staff.	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status.
		Safety Training/ Orientation to workers at Site.	Conducted Safety Training/ Orientation to workers at Site and discussed about Personal Safety Equipment's, Occupational and community health and safety and Safety during working at height.

Site Visit: Abu Road Town

2.	Towns visited: Abu Road		
	Date of site Visit: 21.04.2024 to 22.04.2024		
	Person visited the Site: Amit Chauhan (Environmental Safeguard Support) CMSC-2, Sirohi		
	Discussion with:	Topics of discussion	Outcome
	- Mr. Sunil Kumar (JEn RUIDP, PIU Abu Road) - Krishna Devasi (Safety Steward), L&T - Tapesh Sharma (Safety Steward), L&T - Vishnu Adhikari (Site Engineer L&T)	Contractual & Legal Requirements.	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed the contractor to implement the same on urgent basis.
		Environment, Health and Safety documentation record.	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.
		Environment, Health and Safety, Site specific issues & Medical Health Check-up of Labour and Site Staff.	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status.
		Safety Training/ Orientation to workers at Site.	Conducted Safety Training/ Orientation to workers at Site and discussed about Personal Safety Equipment's, Occupational and community health and safety and Safety during working at height.

Site Visit: Ladnu Town

3.	Towns visited: Ladnu		
	Date of site Visit: April 2024		
	Person visited the Site: Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support Staff, CMSC-01, Ladnu		
	Discussion with:	Topics of discussion	Outcome
	- Meeting with Contactor Team - Labour Meeting at STP	GESI Report	Discussed about resume submission of replaced staff details regarding GESI report which is compulsory submitted as per ADB-SPS 2009 guidelines.
		Discussion on development of the reuse plan of treated wastewater of STP	Discussed on reuse water line laying plan after MoU with Farmer
		Material Stacking and Housekeeping issue at site	Discuss on ensure proper housekeeping at structure site and availability of PPE kit according to working labour and store all loose material to cover as per ADB-SPS 2009 guidelines.
		Environmental issue	Discussed on ensure proper environment monitoring test regularly and on working day.
		Health and Safety issue	Discussed on ensure proper site safety at working site and organised health check-up for workers as per ADB-SPS 2009 guidelines.
		Labour Camp Facilities	Discussed about the provide facilities by contractor and use safety PPE kit on working site, aware them health and sanitization.

Site Visit: Mandawa Town

4.	Towns visited: Mandawa		
	Date of site Visit: 25.04.2024 to 27.04.2024		
	Person visited the Site: Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01 RUIDP Mandawa		
	Discussion with:	Topics of discussion	Outcome
	Meeting with Contractor Team in Contractor Office, Mandawa	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be complied/ updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Material Stacking and Housekeeping issues at site	Discussed on ensure proper housekeeping at Structure site and CC road sites.
		Environment, Health and Safety site specific issues	Discussed on ensure proper environment monitoring test regularly and on working day
		Health & Site safety	Discussed on ensure proper site safety at working Site and organized medical health check-up for workers at site.
		Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	Labour licence and Sand mining/Quarry (whether contractor's or third party) is required.

Site Visit: Ratangarh Town

5.	Towns visited: Ratangarh		
	Date of site Visit: 27.04.2024		
	Person visited the Site: Mr. Ugrasen Kumar (Environmental Safeguard Support) along with Support Engineers CMSC-2, Ratangarh		
	Discussion with:	Topics of discussion	Outcome
	Mr R.D Garg Executive Engineer PIU,Ratangarh	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		SPS CTE Application	In process
	Mr. O.P Bairwa Assistant Engineer PIU,Ratangarh	Treated water Reuse	MOU is Completed
		Quarterly Environment Monitoring Report	Inform Concern Dept. to Submit Jan Quarter Environment monitoring report
	Mr. Pankaj Kumar jha , Assistant Contract Manager (ACM), CMSC - 02, Ratangarh	Site visit Observation Report	Site specific observation and their control measures disused with them and directed to contractor to implement the same on urgent basis.
		Environment, Health and Safety Site specific issues & Labour and Site Staff Medical Health Check-up	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status
		Environment, Health and Safety documentation record	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.

Site Visit: Abu Road Town

6.	Towns visited: Abu Road		
	Date of site Visit: 06.05.2024 and 20.05.2024		
	Person visited the Site: Amit Chauhan (Environmental Safeguard Support) CMSC-2, Sirohi		
	Discussion with:	Topics of discussion	Outcome
	• Mr. Sunil Kumar (JEn RUIDP, PIU Abu Road) • Jaison Samuel (Safety Officer) • Krishna Devasi (Safety Steward), L&T • Tapesh Sharma (Safety Steward), L&T	Contractual & Legal Requirements.	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed the contractor to implement the same on urgent basis.
		Environment, Health and Safety documentation record.	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.
		Environment, Health and Safety, Site specific issues & Medical Health Check-up of Labour and Site Staff.	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status.
		Safety Training/ Orientation to workers at Site.	Conducted Safety Training/ Orientation to workers at Site and discussed about Personal Safety Equipment's, Occupational and community health and safety and Safety during working at height.

Site Visit: Ladnu Town

7.	Towns visited: Ladnu		
	Date of site Visit: 16.05.2024 to 18.05.2024		
	Person visited the Site: Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support Staff, CMSC-01, Ladnu		
	Discussion with:	Topics of discussion	Outcome
	- Meeting with Contactor Team - Labour Meeting at STP	GESI Report	Discussed about resume submission of replaced staff details regarding GESI report which is compulsory submitted as per ADB-SPS 2009 guidelines.
		Discussion on development of the reuse plan of treated wastewater of STP	Discussed on reuse water line laying plan after MoU with Farmer
		Material Stacking and Housekeeping issue at site	Discuss on ensure proper housekeeping at structure site and availability of PPE kit according to working labour and store all loose material to cover as per ADB-SPS 2009 guidelines.
		Environmental issue	Discussed on ensure proper environment monitoring test regularly and on working day
		Health and Safety issue	Discussed on ensure proper site safety at working site and organised health check-up for workers as per ADB-SPS 2009 guidelines.
		Labour Camp Facilities	Discussed about the provide facilities by contractor and use safety PPE kit on working site, aware them health and sanitization.

Site Visit: Ratangarh Town

8.	Towns visited: Ratangarh		
	Date of site Visit: 21.05.2024 to 27.05.2024		
	Person visited the Site: Mr. Ugrasen Kumar (Environmental Safeguard Support) along with Support Engineers CMSC-2, Ratangarh		
	Discussion with:	Topics of discussion	Outcome
	Discussion with: - Mr. R.D Garg Executive Engineer PIU, Ratangarh - Mr. O.P Bairwa Assistant Engineer PIU, Ratangarh - Mr. Pankaj Kumar jha, Assistant Contract Manager (ACM), CMSC -02, Ratangarh - Mr. Mustafa, Safety Officer L&T, Ratangarh	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		SPS CTE Application	In process
		Treated water Reuse	MOU is Completed
		Quarterly Environment Monitoring Report	Inform Concern Dept. to Submit Jan Quarter Environment monitoring report
		Site visit Observation Report	Site specific observation and their control measures disused with them and directed to contractor to implement the same on urgent basis.
		Environment, Health and Safety Site specific issues & Labour and Site Staff Medical Health Check-up	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status
		Environment, Health and Safety documentation record	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.

Site Visit: Mandawa Town

9.	Towns visited: Mandawa		
	Date of site Visit: 28.05.2024 to 30.05.2024		
	Person visited the Site: Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01 RUIDP Mandawa		
	Discussion with:	Topics of discussion	Outcome
	Meeting with Contractor's Project Manager with contractor's Staff in Contractor Office, Mandawa	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be complied/ updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Material Stacking and Housekeeping issues at site	Discussed on ensure proper housekeeping at Structure site and CC road sites.
		Environment, Health and Safety site specific issues	Discussed on ensure proper environment monitoring test regularly and on working day
		Health & Site safety	Discussed on ensure proper site safety at working Site and organized medical health check-up for workers at site.
		Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	Labour licence and Sand mining/Quarry (whether contractor's or third party) is required.
		Discussed on Health, hygiene site safety, housekeeping privation of heat stroke and government welfare schemes at construction Site.	Conduct a training and informed about Health, sanitation hygiene and government welfare Scheme and privation of heat stroke

Site Visit: Makrana Town

10.	Towns visited: Makrana		
	Date of site Visit: 05.06.2024		
	Person visited the Site: Mr. Mohammad Nazir, Gender, Social and Environmental Safeguard Support Staff, CMSC-01, Makrana		
	Discussion with:	Topics of discussion	Outcome
	• Meeting with Contractor Staff & safety Training	Ensure that the use of PPE by labours at the STP and contributes to maintaining a safe working environment as per the requirements of the RUIDP project.	The correct use of PPE. This helps reinforce safety awareness and ensures that all workers are well-prepared to handle potential risks.
		Discussed to safety officer to give training as per working for follow safety rules.	To follow Safety Precaution on Site work by Labour.
		Discussed about the facilities provided by contractor in summer season and use proper PPE kit on site work ensure safety as per follow ADB SPS 2009.	Availability of drinking water, shade etc. was ensured as per the summer season at all the working sites.
		Celebrate World Environment Day: On the occasion of World Environment Day, information was provided about how the environment can be kept safe and clean by planting trees. And it was discussed about how to prevent environmental pollution in daily life.	On the occasion of World Environment Day, reducing pollution, deforestation, loss of biodiversity through educational activities, workshops and campaigns to educate people about the importance of environmental protection and the actions they can take. Awareness about environmental issues like damage was organized. Information was given about environment.
		Door to door consultation about sewer lines, sanitation was provided effectively.	Awareness about cleanliness has increased in the community and people have started taking full care of cleanliness and hygiene around their homes.
		Meeting with Ward Parshad Mr. Ishwarlal regarding pending sewer connection. Joint visit JEN sir SPS 01 regarding Community issue.	The work will soon be completed the sewer connection. Aware the community regarding sewer connection.

Site Visit: Ladnu Town

11.	Towns visited: Ladnu		
	Date of site Visit: June 2024		
	Person visited the Site: Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support Staff, CMSC-01, Ladnu		
	Discussion with:	Topics of discussion	Outcome
	- Meeting with Contactor Team - Labour Meeting at STP	GESI Report	Discussed about resume submission of replaced staff details regarding GESI report which is compulsory submitted as per ADB-SPS 2009 guidelines.
		Discussion on development of the reuse plan of treated wastewater of STP	Discussed on reuse water line laying plan after MoU with Farmer
		Material Stacking and Housekeeping issue at site	Discuss on ensure proper housekeeping at structure site and availability of PPE kit according to working labour and store all loose material to cover as per ADB-SPS 2009 guidelines.
		Environmental issue	Discussed on ensure proper environment monitoring test regularly and on working day
		Health and Safety issue	Discussed on ensure proper site safety at working site and organised health check-up for workers as per ADB-SPS 2009 guidelines.
		Labour Camp Facilities	Discussed about the provide facilities by contractor and use safety PPE kit on working site, aware them health and sanitization.

Site Visit: Mandawa Town

12.	Towns visited: Mandawa		
	Date of site Visit: 20.06.2024 to 22.06.2024		
	Person visited the Site: Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa		
	Discussion with:	Topics of discussion	Outcome
	Meeting with Contractor's Project Manager with contractor's Staff in Contractor Office, Mandawa	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be complied/ updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Material Stacking and Housekeeping issues at site	Discussed on ensure proper housekeeping at Structure site and CC road sites.
		Environment, Health and Safety site specific issues	Discussed on ensure proper environment monitoring test regularly and on working day
		Health & Site safety	Discussed on ensure proper site safety at working Site and organized medical health check-up for workers at site.
		Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	Labour licence and Sand mining/Quarry (whether contractor's or third party) is required.
		Discussed on Health, hygiene site safety, housekeeping privation of heat stroke and government welfare schemes at construction Site.	Conduct a training and informed about Health, sanitation hygiene and government welfare Scheme and privation of heat stroke

Site Visit: Khetri Town

13.	Towns visited: Khetri		
	Date of site Visit: 25.06.2024 to 27.06.2024		
	Person visited the Site: Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa		
	Discussion with:	Topics of discussion	Outcome
	Meeting with Contractor's Project Manager with contractor's Staff in Contractor Office, Khetri	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be complied/ updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Material Stacking and Housekeeping issues at site	Discussed on ensure proper housekeeping at Structure site and CC road sites.
		Environment, Health and Safety site specific issues	Discussed on ensure proper environment monitoring test regularly and on working day
		Health & Site safety	Discussed on ensure proper site safety at working Site and organized medical health check-up for workers at site.
		Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	Labour licence and Sand mining/Quarry (whether contractor's or third party) is required.
		Discussed on Health, hygiene site safety, housekeeping privation of heat stroke and government welfare schemes at construction Site.	Conduct a training and informed about Health, sanitation hygiene and government welfare Scheme and privation of heat stroke

Site Visit: Ratangarh Town

14.	Towns visited: Ratangarh		
	Date of site Visit: 24.06.2024 to 29.06.2024		
	Person visited the Site: Mr. Ugrasen Kumar (Environmental Safeguard Support) along with Support Engineers CMSC-2, Ratangarh		
	Discussion with:	Topics of discussion	Outcome
	Discussion with: - Mr. R.D Garg Executive Engineer PIU, Ratangarh - Mr. O.P Bairwa Assistant Engineer PIU, Ratangarh - Mr. Pankaj Kumar jha, Assistant Contract Manager (ACM), CMSC -02, Ratangarh - Mr. Mustafa, Safety Officer L&T, Ratangarh	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		SPS CTE Application	In process
		Quarterly Environment Monitoring Report	Conducted 2nd Quarter Environment monitoring.
		Tree plantation	Planted tree on the occasion of world Environment day.
		Site visit Observation Report	Site specific observation and their control measures disused with them and directed to contractor to implement the same on urgent basis.
		Environment, Health and Safety Site specific issues & Labour and Site Staff Medical Health Check-up	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status
		Environment, Health and Safety documentation record	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.

Site Visit: Abu Road Town

15.	Towns visited: Abu Road		
	Date of site Visit: 29.06.2024		
	Person visited the Site: Dr. Mahaveer Saini (Environmental Safeguard Professional), CMSC – 2 Jodhpur Mr. Amit Chauhan (Environmental Safeguard Support) CMSC-2, Sirohi		
	Discussion with:	Topics of discussion	Outcome
	• Mr. Sunil Kumar (JEn RUIDP, PIU Abu Road) • Jaison Samuel (Safety Officer) • Krishna Devasi (Safety Steward), L&T • Tapesha Sharma (Safety Steward), L&T	Contractual & Legal Requirements.	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed the contractor to implement the same on urgent basis.
		Environment, Health and Safety documentation record.	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.
		Environment, Health and Safety, Site specific issues & Medical Health Check-up of Labour and Site Staff.	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status.
		Safety Training/ Orientation to workers at Site.	Conducted Safety Training/ Orientation to workers at Site and discussed about Personal Safety Equipment's, Occupational and community health and safety and Safety during working at height.

Site Visit: Sirohi Town

16.	Towns visited: Sirohi		
	Date of site Visit: 07.06.2024 to 29.06.2024		
	Person visited the Site: Amit Chauhan (Environmental Safeguard Support) CMSC-2, Sirohi		
	Discussion with:	Topics of discussion	Outcome
	• Mr. Mr. Satish Vaniya (Safety Officer L&T, Sirohi), • Ram Ratan Suthar, (Assistant Construction Manager), CMSC –II, • Brijesh Verma (Support Engineer), • Shivilal, (Support Engineer) • Subhash Saini (Safety Steward L&T)	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines.	All Legal, Contractual and Environmental Regulatory documents should be complied/updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed the contractor to implement the same on urgent basis.
		Environment, Health and Safety documentation record.	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.
		Environment, Health and Safety, Site specific issues & Medical Health Check-up of Labour and Site Staff.	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status.
		Safety Training/ Orientation to workers at Site.	Conducted Safety Training/ Orientation to workers at Site and discussed about Personal Safety Equipment's, Occupational and community health and safety and Safety during working at height.

Site Visit: Sirohi Town

17.	Towns visited: Sirohi		
	Date of site Visit: 02.07.2024		
	Person visited the Site: Dr. Mahaveer Saini (Environmental Safeguard Professional), CMSC – 2 Jodhpur Mr. Amit Chauhan (Environmental Safeguard Support) CMSC-2, Sirohi		
	Discussion with:	Topics of discussion	Outcome
	• Mr. Vinod Kumar Solanki (EXEN RUIDP, PIU Sirohi), • Mr. Khem Chand Singadiya), EXEN RUIDP, PIU Sirohi • Mr. Ram Ratan Suthar (ACM, CMSC-2 Sirohi), • Shivrulal (Support Engineer) • Mr. Satish Vaniya (Safety Officer L&T, Sirohi), • Mr. Brijesh Varma (Site Engineer) and • Mr. Shahid Khan (Site Engineer) • Subhash Saini (Safety Steward L&T)	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines.	All Legal, Contractual and Environmental Regulatory documents should be complied/updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Consent to Establish (CTE) Consent to Operate (CTO) from Rajasthan State Pollution Control Board (RSPCB) for STP, WTP, and DG sets.	Consent for STPs, WTPs and DG sets must be obtained from Rajasthan State Pollution Control Board (RSPCB) prior to Establishment and Operational of STPs, WTPs and DG sets installed.
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed the contractor to implement the same on urgent basis.
		Environment, Health and Safety documentation record.	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.
		Environment, Health and Safety, Site specific issues & Medical Health Check-up of Labour and Site Staff.	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status.
		Safety Training/ Orientation to workers at Site.	Conducted Safety Training/ Orientation to workers at Site and discussed about Personal Safety Equipment's, Occupational and community health and safety and Safety during working at height.

Site Visit: Abu Road Town

18.	Towns visited: Abu Road		
	Date of site Visit: 05.07.2024 to 06.07.2024		
	Person visited the Site: Dr. Mahaveer Saini (Environmental Safeguard Professional), Mr. Amit Chauhan (Environmental Safeguard Support) CMSC-2, Sirohi		
	Discussion with	Topics of discussion	Outcome
	• Mr. Mr. Harish Chandra Gurjar) (EE, RUIDP, PIU, Abu Road), • Mr. Sunil Kumar (J.En RUIDP, PIU Abu Road), • Jaison samuel (Safety Officer) • Krishna Devasi (Safety Steward) • Hemant Patel (L&T, Site Engineer, Abu Road).	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed the contractor to implement the same on urgent basis.
		Environment, Health and Safety documentation record.	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.
		Environment, Health and Safety, Site specific issues & Medical Health Check-up of Labour and Site Staff.	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status.
		Safety Training/ Orientation to workers at Site.	Conducted Safety Training/ Orientation to workers at Site and discussed about Personal Safety Equipment's, Occupational and community health and safety and Safety during working at height.

Site Visit: Mandawa Town

19.	Towns visited: Mandawa		
	Date of site Visit: 18.07.2024 to 20.07.2024		
	Person visited the Site: Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa		
	Discussion with:	Topics of discussion	Outcome
	Meeting with Contractor's Project Manager with contractor's Staff in Contractor Office, Mandawa	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be complied/ updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Material Stacking and Housekeeping issues at site	Discussed on ensure proper housekeeping at Structure site and CC road sites.
		Environment, Health and Safety site specific issues	Discussed on ensure proper environment monitoring test regularly and on working day
		Health & Site safety	Discussed on ensure proper site safety at working Site and organized medical health check-up for workers at site.
		Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	Labour licence and Sand mining/Quarry (whether contractor's or third party) is required.
		Discussed on Health, hygiene site safety, housekeeping privation of heat stroke and government welfare schemes at construction Site.	Conduct a training and informed about Health, sanitation hygiene and government welfare Scheme and privation of heat stroke

Site Visit: Ratangarh Town

20.	Towns visited: Ratangarh		
	Date of site Visit: 22.07.2024 to 23.07.2024		
	Person visited the Site: Mr. Ugrasen Kumar (Environmental Safeguard Support) along with Support Engineers CMSC-2, Ratangarh		
	Discussion with:	Topics of discussion	Outcome
	Discussion with: - Mr. R.D Garg Executive Engineer PIU, Ratangarh - Mr. O.P Bairwa Assistant Engineer PIU, Ratangarh - Mr. Pankaj Kumar jha, Assistant Contract Manager (ACM), CMSC -02, Ratangarh - Mr. Mustafa, Safety Officer L&T, Ratangarh	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		SPS CTE Application	In process
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed to contractor to implement the same on urgent basis.
		Environment, Health and Safety Site specific issues & Labour and Site Staff Medical Health Check-up	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status
		Environment, Health and Safety documentation record	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.

Site Visit: Khetri Town

21.	Towns visited: Khetri		
	Date of site Visit: 23.07.2024 to 25.07.2024		
	Person visited the Site: Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa		
	Discussion with:	Topics of discussion	Outcome
	Meeting with Contractor's Project Manager with contractor's Staff in Contractor Office, Khetri	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be complied/ updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Material Stacking and Housekeeping issues at site	Discussed on ensure proper housekeeping at Structure site and CC road sites.
		Environment, Health and Safety site specific issues	Discussed on ensure proper environment monitoring test regularly and on working day
		Health & Site safety	Discussed on ensure proper site safety at working Site and organized medical health check-up for workers at site.
		Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	Labour licence and Sand mining/Quarry (whether contractor's or third party) is required.
		Discussed on Health, hygiene site safety, housekeeping privation of heat stroke and government welfare schemes at construction Site.	Conduct a training and informed about Health, sanitation hygiene and government welfare Scheme and privation of heat stroke

Site Visit: Makrana Town

22.	Towns visited: Makrana		
	Date of site Visit: July 2024		
	Person visited the Site: Mr. Mohammad Nazir, Gender, Social and Environmental Safeguard Support Staff, CMSC-01, Makrana		
	Discussion with:	Topics of discussion	Outcome
	Meeting with Contractor Staff & safety Training	Public Grievance.	Discussed with L&T Manager and Project Engineer regarding Public grievance.
		Ensure that the use of PPE by labours at the STP and contributes to maintaining a safe working environment as per the requirements of the RUIDP project.	The correct use of PPE. This helps reinforce safety awareness and ensures that all workers are well-prepared to handle potential risks.
		Safety during doing welding work.	Availability of all equipment for labour safety during welding work was ensured.
		Safety during work in rainy season.	Workers were provided with information about safety by the Operation Control Process Board and to work safely in rainy weather. Be aware to take full care of safety from light devices, deep pits, wild creatures, etc.
		Celebrate World Environment Day: To organise an environment awareness programme at the govt. girl's school	An environment awareness rally was taken out by the school children. All the girls were administered an oath to plant saplings every year and 20 saplings were planted in the school premises.
		Tree Plantation work at SPS-02.	At SPS-02 shade plants were planted included 'Neem, Peepal, Rose and Shisham etc.
		Discussed to safety officer to give training as per working for follow safety rules.	To follow Safety Precaution on Site work by Labour.
		Door to door consultation about sewer lines, sanitation was provided effectively.	Awareness about cleanliness has increased in the community and people have started taking full care of cleanliness and hygiene around their homes.

Site Visit: Ladnu Town

23.	Towns visited: Ladnu		
	Date of site Visit: July 2024		
	Person visited the Site: Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support Staff, CMSC-01, Ladnu		
	Discussion with:	Topics of discussion	Outcome
	- Meeting with Contactor Team - Labour Meeting at STP	GESI Report	Discussed about resume submission of replaced staff details regarding GESI report which is compulsory submitted as per ADB-SPS 2009 guidelines.
		Discussion on development of the reuse plan of treated wastewater of STP	Discussed on reuse water line laying plan after MoU with Farmer
		Material Stacking and Housekeeping issue at site	Discuss on ensure proper housekeeping at structure site and availability of PPE kit according to working labour and store all loose material to cover as per ADB-SPS 2009 guidelines.
		Environmental issue	Discussed on ensure proper environment monitoring test regularly and on working day
		Health and Safety issue	Discussed on ensure proper site safety at working site and organised health check-up for workers as per ADB-SPS 2009 guidelines.
		Labour Camp Facilities	Discussed about the provide facilities by contractor and use safety PPE kit on working site, aware them health and sanitization.

Site Visit: Ratangarh Town

24.	Towns visited: Ratangarh		
	Date of site Visit: 24.08.2024 to 27.08.2024		
	Person visited the Site: Mr. Ugrasen Kumar (Environmental Safeguard Support) along with Support Engineers CMSC-2, Ratangarh		
	Discussion with:	Topics of discussion	Outcome
	Discussion with: - Mr. R.D Garg Executive Engineer PIU, Ratangarh - Mr. O.P Bairwa Assistant Engineer PIU, Ratangarh - Mr. Pankaj Kumar jha, Assistant Contract Manager (ACM), CMSC -02, Ratangarh - Mr. Mustafa, Safety Officer L&T, Ratangarh	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		SPS CTE Application	CTE Application is under progress
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed to contractor to implement the same on urgent basis.
		Environment, Health and Safety Site specific issues & Labour and Site Staff Medical Health Check-up	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status
		Environment, Health and Safety documentation record	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.

Site Visit: Khetri Town

25.	Towns visited: Khetri		
	Date of site Visit: 28.08.2024 to 31.08.2024		
	Person visited the Site: Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa		
	Discussion with:	Topics of discussion	Outcome
	Meeting with Contractor's Project Manager with contractor's Staff in Contractor Office, Khetri	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be complied/ updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Material Stacking and Housekeeping issues at site	Discussed on ensure proper housekeeping at Structure site and CC road sites.
		Environment, Health and Safety site specific issues	Discussed on ensure proper environment monitoring test regularly and on working day
		Health & Site safety	Discussed on ensure proper site safety at working Site and organized medical health check-up for workers at site.
		Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	Labour licence and Sand mining/Quarry (whether contractor's or third party) is required.
		Discussed on Health, hygiene site safety, housekeeping privation of heat stroke and government welfare schemes at construction Site.	Conduct a training and informed about Health, sanitation hygiene and government welfare Scheme and privation of heat stroke

Site Visit: Ladnu Town

26.	Towns visited: Ladnu		
	Date of site Visit: August 2024		
	Person visited the Site: Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support Staff, CMSC-01, Ladnu		
	Discussion with:	Topics of discussion	Outcome
	- Meeting with Contactor Team - Labour Meeting at STP	GESI Report	Discussed about resume submission of replaced staff details regarding GESI report which is compulsory submitted as per ADB-SPS 2009 guidelines.
		Discussion on development of the reuse plan of treated wastewater of STP	Discussed on reuse water line laying plan after MoU with Farmer
		Material Stacking and Housekeeping issue at site	Discuss on ensure proper housekeeping at structure site and availability of PPE kit according to working labour and store all loose material to cover as per ADB-SPS 2009 guidelines.
		Environmental issue	Discussed on ensure proper environment monitoring test regularly and on working day
		Health and Safety issue	Discussed on ensure proper site safety at working site and organised health check-up for workers as per ADB-SPS 2009 guidelines.
		Tree Plantation	Plantation of trees to ensure proper environment at work site and regular maintenance and monitoring of trees as per ADB-SPS 2009 guidelines were discussed.
		Labour Camp Facilities	Discussed about the provide facilities by contractor and use safety PPE kit on working site, aware them health and sanitization.

Site Visit: Makrana Town

27.	Towns visited: Makrana		
	Date of site Visit: August 2024		
	Person visited the Site: Mr. Mohammad Nazir, Gender, Social and Environmental Safeguard Support Staff, CMSC-01, Makrana		
	Discussion with:	Topics of discussion	Outcome
	Meeting with PIU, Contractor Staff.	Ensure that the use of PPE by labours at the STP and contributes to maintaining a safe working environment as per the requirements of the RUIDP project.	The correct use of PPE. This helps reinforce safety awareness and ensures that all workers are well-prepared to handle potential risks.
		Safety during work in rainy season.	Workers were provided with information about safety by the Operation Control Process Board and to work safely in rainy weather. Be aware to take full care of safety from light devices, deep pits, wild creatures, etc.
		Tree Plantation work at SPS-02 and Govt. School Sabalpura Makrana.	At SPS-02 and Govt. School Sabalpura shade plants were planted included 'Neem, Peepal, Rose and Shisham etc.

Site Visit: Sirohi Town

28.	Towns visited: Sirohi		
	Date of site Visit: 18.09.2024 to 26.09.2024		
	Person visited the Site: Mr. Amit Chauhan (Environmental Safeguard Support) CMSC-2, Sirohi		
	Discussion with:	Topics of discussion	Outcome
	- Mr. Ram Ratan Suthar (ACM, CMSC-2 Sirohi), - Mr. Vaishnav M Nair (Safety Officer L&T, Sirohi), - Shivlal (Support Engineer) - Mr. Brijesh Varma (Site Engineer) and - Subhash Saini (Safety Steward L&T)	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines.	All Legal, Contractual and Environmental Regulatory documents should be complied/updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Consent to Establish (CTE) Consent to Operate (CTO) from Rajasthan State Pollution Control Board (RSPCB) for STP, WTP, and DG sets.	Consent for STPs, WTPs and DG sets must be obtained from Rajasthan State Pollution Control Board (RSPCB) prior to Establishment and Operational of STPs, WTPs and DG sets installed.
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed the contractor to implement the same on urgent basis.
		Environment, Health and Safety documentation record.	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.
		Environment, Health and Safety, Site specific issues & Medical Health Check-up of Labour and Site Staff.	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status.
		Safety Training/ Orientation to workers at Site.	Conducted Safety Training/ Orientation to workers at Site and discussed about Personal Safety Equipment's, Occupational and community health and safety and Safety during working at height.

Site Visit: Khetri Town

29.	Towns visited: Khetri		
	Date of site Visit: 25.09.2024 28.09.2024		
	Person visited the Site: Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa		
	Discussion with:	Topics of discussion	Outcome
	Meeting with Contractor's Project Manager with contractor's Staff in Contractor Office, Khetri	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be complied/ updated according to ADB-SPS 2009 guidelines and maintained in master file for record purpose. Also, directed to contractor team to prepare and updated all monthly Environments, Health and Safety (EHS) formats in organized manner.
		Material Stacking and Housekeeping issues at site	Discussed on ensure proper housekeeping at Structure site and CC road sites.
		Environment, Health and Safety site specific issues	Discussed on ensure proper environment monitoring test regularly and on working day
		Health & Site safety	Discussed on ensure proper site safety at working Site and organized medical health check-up for workers at site.
		Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	Labour licence and Sand mining/Quarry (whether contractor's or third party) is required.
		Discussed on Health, hygiene site safety, housekeeping privation of heat stroke and government welfare schemes at construction Site.	Conduct a training and informed about Health, sanitation hygiene and government welfare Scheme and privation of heat stroke

Site Visit: Ratangarh Town

30.	Towns visited: Ratangarh		
	Date of site Visit: 26.09.2024		
	Person visited the Site: Mr. Ugrasen Kumar (Environmental Safeguard Support) along with Support Engineers CMSC-2, Ratangarh		
	Discussion with:	Topics of discussion	Outcome
	Discussion with: - Mr. R.D Garg Executive Engineer PIU, Ratangarh - Mr. O.P Bairwa Assistant Engineer PIU, Ratangarh - Mr. Pankaj Kumar jha, Assistant Contract Manager (ACM), CMSC -02, Ratangarh	Status of Legal and Contractual and Environmental Regulatory Compliances documents requirement for compliance of Environment, Health and Safety policy of ADB SPS-2009 guidelines	All Legal, Contractual and Environmental Regulatory documents should be updated and all legal permission from their concerned department should be obtained timely without any delay. Also, directed to contractor team to prepare all Environments, Health and Safety formats in a proper manner and keep updates on monthly basis.
		SPS CTE Application	CTE Application is under progress
		Site visit Observation Report	Site specific observation and their control measures discussed with them and directed to contractor to implement the same on urgent basis.
		Environment, Health and Safety Site specific issues & Labour and Site Staff Medical Health Check-up	Site staff and site workers medical health check-up is mandatory and it will be carried out on monthly basis. So, directed to organized medical health check-up camp at site to meet the compliance status
		Environment, Health and Safety documentation record	Directed to contractor that prepare all the Environment, Health and Safety documentation on monthly basis and keep updating all documentation in proper manner for record purpose.
		Tree plantation	Planted tree on STP & Other Locations
		Policy & Documentation	Renewal policy Received

Site Visit: Ladnu Town

31.	Towns visited: Ladnu		
	Date of site Visit: September 2024		
	Person visited the Site: Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support Staff, CMSC-01, Ladnu		
	Discussion with:	Topics of discussion	Outcome
	- Meeting with Contactor Team - Labour Meeting at STP	GESI Report	Discussed about resume submission of replaced staff details regarding GESI report which is compulsory submitted as per ADB-SPS 2009 guidelines.
		Discussion on development of the reuse plan of treated wastewater of STP	Discussed on reuse water line laying plan after MoU with Farmers.
		Material Stacking and Housekeeping issue at site	Discuss on ensure proper housekeeping at structure site and availability of PPE kit according to working labour and store all loose material to cover as per ADB-SPS 2009 guidelines.
		Environmental issue	Discussed on ensure proper environment monitoring test regularly and on working day
		Health and Safety issue	Discussed on ensure proper site safety at working site and organised health check-up for workers as per ADB-SPS 2009 guidelines.
		Tree Plantation	Plantation of trees to ensure proper environment at work site and regular maintenance and monitoring of trees as per ADB-SPS 2009 guidelines were discussed.
		Labour Camp Facilities	Discussed about the provide facilities by contractor and use safety PPE kit on working site, aware them health and sanitization.

Site Visit: Makrana Town

32.	Towns visited: Makrana		
	Date of site Visit: September 2024		
	Person visited the Site: Mr. Mohammad Nazir, Gender, Social and Environmental Safeguard Support Staff, CMSC-01, Makrana		
	Discussion with:	Topics of discussion	Outcome
	PIU & Contractor Staff.	Discussed public grievance and remaining sewerage connection and housekeeping.	Under the ADB Mission in the community, the community made aware of the benefits of having sewerage connection and how to get rid of the problems of filth and the work was started for the remaining sewerage connection.
		Ensure that the use of PPE by labourers at the STP and Sewer Connection work site aligns with ADB SPS guidelines and contributes to maintaining a safe working environment as per the requirements of the RUIDP project.	The correct use of PPE. This helps reinforce safety awareness and ensures that all workers are well-prepared to handle potential risks.
		During the work, the tank did not have a complete hard barricade.	To ensure immediate safety, hard barricading was done at the tank to prevent any sudden impact.
		Safety Training: Labour was discussed about the precautions to be taken during the HSC work as per the guidelines of ADB.	According to ADB's safety guidelines, the workers were provided with information about safety by the Operation Control Process Board and to work safely in rainy weather. Be aware to take full care of safety from light devices, deep pits, wild creatures, etc.
		Labours Health Check-up Camp: As per EHS guidelines, health check-up camp was organized for labour at STP due to increasing outbreak of seasonal diseases.	In the health check-up camp at STP due to increasing outbreak of seasonal diseases, 23 labourers were checked for BP, Sugar and provide information about prevention of seasonal diseases.
		Public Consultation: •Door to door consultation about sewer lines, sanitation was provided effectively. •On the complaint of the public about the sewer line, discussions were held in the community about the laying of the sewer line and the utility of the sewer line.	•Awareness about cleanliness has increased in the community and people have started taking full care of cleanliness and hygiene around their homes. •The work will be completed the sewer connection.

10. ORIENTATIONS FOR SAFEGUARDS

28. Environmental performance of contractors can be improved and ensured through regular orientations and trainings. Orientations for environmental safeguards including provisions of ADB SPS 2009 and other contractual and legal requirements as per Central and State Governments are necessary for contractors and site staff of PIUs and Consultants to understand the basic EHS requirements during construction works. Safeguard orientations of site engineers of PIUs, CMSCs and contractors is done by PMCBC/CMSC environmental specialists in all towns at pre-construction stage. These orientations included following topics-

- ❖ ADB SPS 2009 and RUIDP safeguards requirements
- ❖ Contractual and legal requirements as per ADB, RUIDP, Govt. of Rajasthan and Govt. of India legislations, requirement of consents (CTE/CTO) from RSPCB for WTP/STP/DG set etc.,
- ❖ Safeguard provisions in contract documents, pre-construction requirements
- ❖ Safeguards implementation arrangements and roles and responsibility of different functionaries in the project
- ❖ Assessment of environmental impacts and planning for mitigation measures, including best management practices, in the design, construction, operation and maintenance of water supply and sewerage subprojects
- ❖ Preparation, updating, and review of IEE
- ❖ Preparation of site-specific EMPs/EHS Plan
- ❖ Occupational and community health and safety
- ❖ Labor and public safety and labor laws
- ❖ Heritage conservation, Biodiversity conservation
- ❖ Asbestos Management Plan (ACM)
- ❖ Solid waste (domestic, construction, and spoils) management
- ❖ Environmental monitoring including air, noise, water and soil
- ❖ Preparation of monitoring checklists and reports
- ❖ Areas of safety concerns in construction works
- ❖ Public consultations and grievance redress mechanism of RUIDP
- ❖ Good practices, tree plantations
- ❖ Probable pollutions during construction works and their mitigation measures
- ❖ Reuse of treated effluent and sludge from STP
- ❖ COVID-19 prevention and control

29. Environmental safeguard orientations at Abu Road, Sirohi, Ladnu, Makrana, Ratangarh, Mandawa & Khetri sub project towns were done during this reporting period.

30. During site visits of safeguard experts/safeguard support personnel of CMSC to project sites, onsite orientations for safeguards compliances are regularly being done for site engineers of PIU/CMSC/Contractors, site supervisors, workers and operators. During orientations ADB SPS Policy and safeguard requirements are described to attendees and non-compliances observed during site visits is discussed with them and required rectification and mitigation measures are also described in detail.

31. Contractors' EHS personnel also give orientations and trainings to their site staff and workers regarding environmental safeguard implementation at work sites. Different topics such as safety during trench works, work at height, confined space works, hot works, PPEs, health and sanitation, COVID-19 prevention and control, public safety, barricades etc are covered under the training given by contractors' EHS personal. Details of Contractors' trainings are given in **Appendix 9**.

32. During the reporting period following safeguard orientations were done by CMSC environmental safeguard Professionals/ Support staffs-

Table 22- Safeguard Orientations Done by Environmental Safeguard Professionals of PMCBC during April 2024 to September 2024)

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
1	Town: Ladnu			
	• Importance of Personal Protective Equipment's (PPE's) • Importance Safety during working at height. • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting. • Possible accidents and safety measures, • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP.	02.04.2024 STP -1, Aasota village	Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support, CMSC-01, Ladnu	Total Workers: 9 Male: 9 Female: 0
2	Town: Mandawa			
	• Training on Site Safety. • Importance of Personal Protective Equipment's (PPE's) • Possible accidents and safety measures • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP. • Training on House Keeping.	26.04.2024 STP Site	Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support, CMSC-01, Mandawa	Total Workers: 8 Male: 8 Female: 0
3	Town: Ratangarh			
	• Importance of Personal Protective Equipment's (PPE's) • Occupational and community health & safety; • Safety during working at height, • Safety during working in pit excavation • Safety During Casting • Female safety and security during working • Possible accidents and safety measures, • Safety during iron bar cutting,	27.04.2024 Main Ginani near SPS	Mr. Ugrasen Kumar Environment Safeguard Support, CMSC-2, Ratangarh	Total Workers: 9 Male: 9 Female: 0

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	• Safety during Welding • Solid waste (domestic, construction, and spoils) management; • Areas of safety concern in construction works.			
4	Town: Sirohi			
	• Importance of Personal Protective Equipment's (PPE's) • Occupational and community health & safety • Safety during working at height, • Safeguards implementation arrangements and roles and responsibility of different functionaries in the project; • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting • Possible accidents and safety measures, • Safety during iron bar cutting, • Labour and public safety and labour laws; • Solid waste (domestic, construction, and spoils) management; • Periodical environmental monitoring requirements for air, noise, water and soil; • Areas of safety concerns in construction works; • Public consultations and grievance redress mechanism of RUIDP; • Probable pollutions during construction works and their mitigation measures.	15.04.2024 WTP Intake (8.6 MLD) Site	Amit Kumar Chauhan (Environment Safeguard Support), CMSC-2, Sirohi	Total Workers: 8 Male: 8 Female: 0
5.	Town: Abu Road			
	• Importance of Personal Protective Equipment's (PPE's) • Occupational and community health & safety • Safety during working at height, • Safeguards implementation arrangements and roles and	May 2024 Market Area, Manpur, Abu Road.	Amit Kumar Chauhan (Environment Safeguard Support), CMSC-2, Sirohi	Total Workers: 5 Male: 5 Female: 0

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	responsibility of different functionaries in the project; • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting • Possible accidents and safety measures, • Safety during iron bar cutting, • Labour and public safety and labour laws; • Solid waste (domestic, construction, and spoils) management; • Periodical environmental monitoring requirements for air, noise, water and soil; • Areas of safety concerns in construction works; • Public consultations and grievance redress mechanism of RUIDP; • Probable pollutions during construction works and their mitigation measures.			
6.	Town Ladnu			
	• Importance of Personal Protective Equipment's (PPE's) • Importance Safety during working at height. • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting. • Possible accidents and safety measures, • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP.	18.05.2024 STP -1, Aasota village	Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support, CMSC-01, Ladnu	Total Workers: 10 Male: 10 Female: 0
7.	Ratangarh			
	• Personal Safety Equipment's • Occupational and community health & safety; • Safety during working at height, • Safety during working in pit excavation	27.05.2024 6.1 MLD STP Near Gaushala	Mr. Ugrasen Kumar Environment Safeguard Support, CMSC-2, Ratangarh	Total Workers: 9 Male: 6 Female: 3

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	• Safety During Casting • Female safety and security during working • Possible accidents and safety measures, • Safety during iron bar cutting, • Safety during Welding • Solid waste (domestic, construction, and spoils) management; • Areas of safety concern in construction works.	& Near Main ginani		
8.	Mandawa			
	• Training on Site Safety. • Importance of Personal Protective Equipment's (PPE's) • Possible accidents and safety measures • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP. • Training on House Keeping, government welfare schemes and Health & Hygiene	30.05.2024 PHED Campus	Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support, CMSC-01, Mandawa	Total Workers: 12 Male: 12 Female: 0
9.	Makrana Town			
	• Importance of Personal Protective Equipment's (PPE's) • Importance of Work at Height Safety. • Possible accidents and safety measures • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP.	21.06.2024 STP Site	Mr. Mohammad Nazir, Gender, Social Safeguard and Environmental Support, CMSC-01 RUIDP Makrana	Total Workers: 19 Male: 17 Female: 2
10.	Ladnu Town			
	• Importance of Personal Protective Equipment's (PPE's) • Importance Safety during working at height. • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting. • Possible accidents and safety measures,	19.06.2024 STP Site	Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support, CMSC-01, Ladnu	Total Workers: 15 Male: 9 Female: 6

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	- Areas of safety concern in construction works. - Public consultations and grievance redress mechanism of RUIDP.			
11.	Mandawa			
	- Training on Site Safety. - Importance of Personal Protective Equipment's (PPE's) - Possible accidents and safety measures - Areas of safety concern in construction works. - Public consultations and grievance redress mechanism of RUIDP. - Training on House Keeping, government welfare schemes and Health & Hygiene	22.06.2024 STP Site	Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support, CMSC-01, Mandawa	Total Workers: 6 Male: 6 Female: 0
12.	Khetri			
	- Training on Site Safety. - Importance of Personal Protective Equipment's (PPE's) - Possible accidents and safety measures - Areas of safety concern in construction works. - Public consultations and grievance redress mechanism of RUIDP. - Training on House Keeping, government welfare schemes and Health & Hygiene	26.06.2024 STP Site	Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support, CMSC-01, Mandawa	Total Workers: 8 Male: 8 Female: 0
13	Ratangarh			
	- Personal Safety Equipment's - Occupational and community health & safety; - Safety during working at height, - Safety during working in pit excavation - Safety During Casting - Female safety and security during working - Possible accidents and safety measures, - Safety during iron bar cutting, - Safety during Welding	07.06.2024 Near Main Ginani SPS & 6.1 MLD STP Near Gaushala	Mr. Ugrasen Kumar Environment Safeguard Support, CMSC-2, Ratangarh	Total Workers: 8 Male: 8 Female: 0

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	• Solid waste (domestic, construction, and spoils) management; • Areas of safety concern in construction works.			
14	Abu Road			
	• Importance of Personal Protective Equipment's (PPE's) • Occupational and community health & safety • Safety during working at height, • Safeguards implementation arrangements and roles and responsibility of different functionaries in the project; • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting • Possible accidents and safety measures, • Safety during iron bar cutting, • Labour and public safety and labour laws; • Solid waste (domestic, construction, and spoils) management; • Periodical environmental monitoring requirements for air, noise, water and soil; • Areas of safety concerns in construction works; • Public consultations and grievance redress mechanism of RUIDP; • Probable pollutions during construction works and their mitigation measures.	29.06.2024 Market Area, Naya kheda Manpur	Amit Kumar Chauhan (Environment Safeguard Support), CMSC-2, Sirohi	Total Workers: 5 Male: 5 Female: 0
15	Sirohi			
	• Importance of Personal Protective Equipment's (PPE's) • Occupational and community health & safety • Safety during working at height, • Safeguards implementation arrangements and roles and responsibility of different functionaries in the project;	29.06.2024 STP (1.7 MLD) Site, Revdar Road	Amit Kumar Chauhan (Environment Safeguard Support), CMSC-2, Sirohi	Total Workers: 7 Male: 7 Female: 0

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	• Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting • Possible accidents and safety measures, • Safety during iron bar cutting, • Labour and public safety and labour laws; • Solid waste (domestic, construction, and spoils) management; • Periodical environmental monitoring requirements for air, noise, water and soil; • Areas of safety concerns in construction works; • Public consultations and grievance redress mechanism of RUIDP; • Probable pollutions during construction works and their mitigation measures.			
16	Ladnu			
	• Importance of Personal Protective Equipment's (PPE's) • Importance Safety during working at height. • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting. • Possible accidents and safety measures, • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP.	30.07.2024 STP 1, (Aasota Village) & STP 2 (Chhipolai village)	Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support, CMSC-01, Ladnu	Total Workers: 15 Male: 11 Female: 4
17	Makrana			
	• Importance of Personal Protective Equipment's (PPE's) • Importance of Work at Height Safety. • Possible accidents and safety measures • Areas of safety concern in construction works.	19.07.2024 STP Site	Mr. Mohammad Nazir, Gender, Social Safeguard and Environmental Support, CMSC-01 RUIDP Makrana	Total Workers: 8 Male: 8 Female: 0

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	Public consultations and grievance redress mechanism of RUIDP.			
18	Mandawa			
	- Training on Site Safety. - Importance of Personal Protective Equipment's (PPE's) - Possible accidents and safety measures - Areas of safety concern in construction works. - Public consultations and grievance redress mechanism of RUIDP. - Training on House Keeping, government welfare schemes and Health & Hygiene	19.07.2024 STP Site	Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support, CMSC-01, Mandawa	Total Workers: 6 Male: 3 Female: 3
19	Khetri			
	- Training on Site Safety. - Importance of Personal Protective Equipment's (PPE's) - Possible accidents and safety measures - Areas of safety concern in construction works. - Public consultations and grievance redress mechanism of RUIDP. - Training on House Keeping, government welfare schemes and Health & Hygiene	25.07.2024 STP Site	Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa	Total Workers: 6 Male: 6 Female: 0
20	Ratangarh			
	- Personal Safety Equipment's - Occupational and community health & safety; - Safety during working at height, - Safety during working in pit excavation - Safety During Casting - Female safety and security during working - Possible accidents and safety measures, - Safety during iron bar cutting, - Safety during Welding - Solid waste (domestic, construction, and spoils) management;	30.07.2024 6.1 MLD STP Near Gaushala	Mr. Ugrasen Kumar Environment Safeguard Support, CMSC-2, Ratangarh	Total Workers: 7 Male: 5 Female: 2

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	• Areas of safety concern in construction works.			
21	Sirohi			
	• Importance of Personal Protective Equipment's (PPE's) • Occupational and community health & safety • Safety during working at height, • Safeguards implementation arrangements and roles and responsibility of different functionaries in the project; • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting • Possible accidents and safety measures, • Safety during iron bar cutting, • Labour and public safety and labour laws; • Solid waste (domestic, construction, and spoils) management; • Periodical environmental monitoring requirements for air, noise, water and soil; • Areas of safety concerns in construction works; • Public consultations and grievance redress mechanism of RUIDP; • Probable pollutions during construction works and their mitigation measures.	18.07.2024 Shardulpura Pump House, CWR.	Amit Kumar Chauhan (Environment Safeguard Support), CMSC-2, Sirohi	Total Workers: 5 Male: 5 Female: 0
22	Abu Road			
	• Importance of Personal Protective Equipment's (PPE's) • Occupational and community health & safety • Safety during working at height, • Safeguards implementation arrangements and roles and responsibility of different functionaries in the project; • Safety during working in Trenches,	27.07.2024 CWR, Nagar Palika, Abu Road.	Amit Kumar Chauhan (Environment Safeguard Support), CMSC-2, Sirohi	Total Workers: 15 Male:8 & Female:7

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	• Safety during working in pit excavation • Safety During Casting • Possible accidents and safety measures, • Safety during iron bar cutting, • Labour and public safety and labour laws; • Solid waste (domestic, construction, and spoils) management; • Periodical environmental monitoring requirements for air, noise, water and soil; • Areas of safety concerns in construction works; • Public consultations and grievance redress mechanism of RUIDP; • Probable pollutions during construction works and their mitigation measures.			
23	Ladnu			
	• Importance of Personal Protective Equipment's (PPE's) • Importance Safety during working at height. • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting. • Possible accidents and safety measures, • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP.	14.08.2024 STP 1, (Aasota Village) & STP 2 (Chhipolai village)	Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support, CMSC-01, Ladnu	Total Workers: 14 Male:10 & Female:4
24	Makrana			
	• Importance of Personal Protective Equipment's (PPE's) • Importance of Work at Height Safety. • Possible accidents and safety measures • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP.	06.08.2024 & 24.08.2024 STP Site	Mr. Mohammad Nazir, Gender, Social Safeguard and Environmental Support, CMSC-01 Makrana	Total Workers: 20 Male:17 & Female:3

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
25	Khetri			
	• Training on Site Safety. • Importance of Personal Protective Equipment's (PPE's) • Possible accidents and safety measures • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP. • Training on House Keeping, government welfare schemes and Health & Hygiene	29.08.2024 STP Site	Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa	Total Workers: 8 Male:8 & Female:0
26	Ratangarh			
	• Personal Safety Equipment's • Occupational and community health & safety; • Safety during working at height, • Safety during working in pit excavation • Safety During Casting • Female safety and security during working • Possible accidents and safety measures, • Safety during iron bar cutting, • Safety during Welding • Solid waste (domestic, construction, and spoils) management; • Areas of safety concern in construction works.	22.08.2024 6.1 MLD STP Near Gaushala	Mr. Ugrasen Kumar Environment Safeguard Support, CMSC-2, Ratangarh	Total Workers: 8 Male:6 & Female:2
27	Khetri			
	• Training on Site Safety. • Importance of Personal Protective Equipment's (PPE's) • Possible accidents and safety measures • Areas of safety concern in construction works. • Public consultations and grievance redress mechanism of RUIDP. • Training on House Keeping, government welfare schemes and Health & Hygiene	27.09.2024 STP Site	Mr. Yogesh Kumar Atreya, Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa	Total Workers: 9 Male:9 & Female:0

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
28	Ladnu			
	- Importance of Personal Protective Equipment's (PPE's) - Importance Safety during working at height. - Safety during working in Trenches, - Safety during working in pit excavation - Safety During Casting. - Possible accidents and safety measures, - Areas of safety concern in construction works. - Public consultations and grievance redress mechanism of RUIDP.	19.09.2024 STP 1, (Aasota Village) & STP 2 (Chhipolai village)	Mr. Nawal Singh, Gender, Social Safeguard and Environmental Support Staff, CMSC-01, Ladnu	Total Workers: 9 Male:7 & Female:2
29	Makrana			
	- Importance of Personal Protective Equipment's (PPE's) - Importance of Work at Height Safety. - Possible accidents and safety measures - Areas of safety concern in construction works. - Public consultations and grievance redress mechanism of RUIDP.	03.09.2024 & 10.09.2024 STP Site	Mr. Mohammad Nazir, Gender, Social Safeguard and Environmental Support Staff, CMSC-01 RUIDP Makrana	Total Workers: 17 Male:11 & Female:6
30	Ratangarh			
	- Personal Safety Equipment's - Occupational and community health & safety; - Safety during working at height, - Safety during working in pit excavation - Safety During Casting - Female safety and security during working - Possible accidents and safety measures, - Safety during iron bar cutting, - Safety during Welding - Solid waste (domestic, construction, and spoils) management; - Areas of safety concern in construction works. Note: Safety awareness instruction given to the workers regarding to Follow the rules,	25.09.2024 6.1 MLD STP Near Gaushala	Mr. Ugrasen Kumar Environment Safeguard Support, CMSC-2, Ratangarh	Total Workers: 8 Male:6 & Female:2

S. No.	Orientation/Training	Date & Location	Demonstrators	Participants
	wear appropriate safety Gear, use the right tools for job & to maintain good housekeeping at working place.			
31	Sirohi			
	• Importance of Personal Protective Equipment's (PPE's) • Occupational and community health & safety • Safety during working at height, • Safeguards implementation arrangements and roles and responsibility of different functionaries in the project; • Safety during working in Trenches, • Safety during working in pit excavation • Safety During Casting • Possible accidents and safety measures, • Safety during iron bar cutting, • Labour and public safety and labour laws; • Solid waste (domestic, construction, and spoils) management; • Periodical environmental monitoring requirements for air, noise, water and soil; • Areas of safety concerns in construction works; • Public consultations and grievance redress mechanism of RUIDP; • Probable pollutions during construction works and their mitigation measures.	26.09.2024 Intake Well 8.6 MLD at Angore Dam, Sirohi	Amit Kumar Chauhan (Environment Safeguard Support), CMSC-2, Sirohi	Total Workers: 8 Male:7 & Female:1

Note- Photographs and attendance sheets of orientations are attached in Appendix 7

11. PUBLIC CONSULTATION & GRIEVANCE REDRESS MECHANISM

A. Public Consultation

33. Public consultations are being conducted by environmental safeguard professionals and environment safeguard support of CMSC through site visits which includes public consultations with project stakeholders including residents and shop owners, road users, public representatives etc, Summary of consultations done during reporting period is given in following table-

Table 23- SUMMARY OF CONSULTATIONS DURING APRIL 2024 to SEPTEMBER 2024

S. No.	Date and place of consultation	Persons consulted	Topics discussed during consultation	Outcome of consultation
1.	Date: 09.04.2024 Town: Ladnu • Aasota village	Local residents Total Person Consulted:10 M-09; F- 01	Discussed on Project work progress and feedback taken from farmers about project work and road restoration.	Farmer agree to reuse Water and Local public appreciated RUIDP project work.
2.	Date: 27.04.2024 Town: Mandawa • Mukandgarh Road	Local residents Total Person Consulted:12 M-09; F- 03	Discussed on Project work progress status, community grievance and issues resolved status and feedback taken from community about project work	Local residences were provided with the adequate details they were satisfied with project site work and appreciated the site work.
3.	Date: 27.04.2024 Town: Ratangarh • Main Ginani,	Local residents Total Person Consulted:7 M-7; F- 0	Discussed and Awareness generation about Sanitation & Hygiene, Sewerage Connection, Housekeeping surrounding and any Grievance due to laying of Sewerage pipeline and other road construction work activities.	Local residences are satisfied with project site work and appreciate the site work.
4.	Date: 07.05.2024 Town: Ladnu • Aasota village	Local residents Total Person Consulted:15 M-11; F- 4	Discussed with farmers of Aasota village, Teli road, utarda jaton ka bass, shahriya bass ward no.01&10 on Project work and feedback taken about project work and road restoration.	Farmers agreed to reused effluent wastewater and Local public appreciated RUIDP project work.
5.	Date: 26.05.2024 Town: Ratangarh • Zone 01 & Zone 02, HSC Work	Local residents Total Person Consulted:7 M-7; F- 1	Discussed and Awareness generation about Sanitation & Hygiene, Sewerage Connection, Housekeeping surrounding and any Grievance due to laying of Sewerage pipeline and other road construction work activities.	Local residences are satisfied with project site work and appreciate the site work.

S. No.	Date and place of consultation	Persons consulted	Topics discussed during consultation	Outcome of consultation
6.	Date: 30.05.2024 Town: Mandawa • Mukandgarh Road	Local residents Total Person Consulted:12 M-12; F- 0	Discussed on Project work progress status, community grievance and issues resolved status and feedback taken from community about project work	Local residences were provided with the adequate details they were satisfied with project site work and appreciated the site work.
7.	Date:12.06.2024 & 24.06.2024 Town: Makrana • Bhatipura, Maliyon ki dhani • Gunawati. Aadarsh Nagar.	Local residents Total Person Consulted:9 M-9; F- 0 Person Consulted:7 M-6; F- 1	Discussed about Sewer Line and Sewer Connection Issues.	Sewer Connection work done within three days and Local public appreciated RUIDP project work.
8.	Date: 06.06.2024 Town: Ladnu • Aasota village	Local residents Total Person Consulted:14 M-11; F- 3	Discussed with farmers of Aasota village, Maliyo ka mohalla, utarda jaton ka bass, shahriya bass ward no.27&34 on Project work and feedback taken about project work and road restoration.	Farmers agreed to reused effluent wastewater and Local public appreciated RUIDP project work.
9.	Date: 21.06.2024 Town: Mandawa • Mukandgarh Road	Local residents Total Person Consulted:9 M-9; F- 0	Discussed on Project work progress status, community grievance and issues resolved status and feedback taken from community about project work	Local residences were provided with the adequate details they were satisfied with project site work and appreciated the site work.
10.	Date: 25.06.2024 Town: Khetri • Old Cinema Road	Local residents Total Person Consulted:9 M-9; F- 0	Discussed on Project work progress status, community grievance and issues resolved status and feedback taken from community about project work	Local residences were provided with the adequate details they were satisfied with project site work and appreciated the site work.
11.	Date: 27.06.2024 Town: Ratangarh • Zone 01 & Zone 02, Near Ramachandran park, HSC Work	Local residents Total Person Consulted:9 M-8; F- 1	Discussed and Awareness generation about Sanitation & Hygiene, Sewerage Connection, Housekeeping surrounding and any Grievance due to laying of Sewerage pipeline and other road construction work activities.	Local residences are satisfied with project site work and appreciate the site work.
12.	Date: 04.07.2024 Town: Ladnu • Aasota village	Local residents Total Person Consulted:15 M-13; F- 2	Discussed with farmers of Aasota village, Maliyo ka mohalla, utarda jaton ka bass, shahriya bass ward no.27&34 on Project work	Farmers agreed to reused effluent wastewater and Local public appreciated RUIDP project work.

S. No.	Date and place of consultation	Persons consulted	Topics discussed during consultation	Outcome of consultation
			and feedback taken about project work and road restoration.	
13.	Date:02.07.2024 & 06.07.2024 Town: Makrana • Gunawati. • Shiv Colony Vasundhra Nagar.	Local residents Total Person Consulted:10 M-7; F- 3 Person Consulted:7 M-7; F- 0	Discussed about Sewer Line and Sewer Connection Issues.	Sewer Connection work done within three days and Local public appreciated RUIDP project work.
14.	Date: 19.07.2024 Town: Mandawa • Ward No. 7	Local residents Total Person Consulted:8 M-5; F- 3	Discussed on Project work progress status, community grievance and issues resolved status and feedback taken from community about project work	Local residences were provided with the adequate details they were satisfied with project site work and appreciated the site work.
15.	Date: 24.07.2024 Town: Khetri • Old Cinema Road, Kotwali gate	Local residents Total Person Consulted:12 M-8; F- 4	Discussed on Project work progress status, community grievance and issues resolved status and feedback taken from community about project work	Local residences were provided with the adequate details they were satisfied with project site work and appreciated the site work.
16.	Date: 22.07.2024 Town: Ratangarh • Zone 03 & Zone 04	Local residents Total Person Consulted:11 M-10; F- 1	Discussed and Awareness generation about Sanitation & Hygiene, Sewerage Connection, Housekeeping surrounding and any Grievance due to laying of Sewerage pipeline and other road construction work activities.	Local residences are satisfied with project site work and appreciate the site work.
17.	Date: 13.08.2024 Town: Ladnu • Aasota village	Local residents Total Person Consulted:15 M-10; F- 5	Discussed with farmers of Aasota village, Magara bass, Magara bass, Station Road on Project work and feedback taken about project work and road restoration.	Farmers agreed to reused effluent wastewater and Local public appreciated RUIDP project work.
18.	Date:02.08.2024 & 31.08.2024 Town: Makrana • Gunawati, Bhatipura • Adarsh Nagar.	Local residents Total Person Consulted:8 M-7; F- 1 Person Consulted:10 M-7; F- 3	Discussed about Sewer Line and Sewer Connection Issues.	Resolved PMU Complaint regarding sewer line, housekeeping and sewer connection.
19.	Date: 30.08.2024 Town: Khetri	Local residents Total Person Consulted:12 M-7; F- 5	Discussed on Project work progress status, community grievance and issues resolved status	Local residences were provided with the adequate details they were satisfied

S. No.	Date and place of consultation	Persons consulted	Topics discussed during consultation	Outcome of consultation
	• Vyaapariyon ka mohalla and Baadiwala mohalla		and feedback taken from community about project work.	with project site work and appreciated the site work.
20.	Date: 24.08.2024 Town: Ratangarh • Zone 02 & Zone 03	Local residents Total Person Consulted:9 M-9; F- 0	Discussed and Awareness generation about Sanitation & Hygiene, Sewerage Connection, Housekeeping surrounding and any Grievance due to laying of Sewerage pipeline and other road construction work activities.	Local residences are satisfied with project site work and appreciate the site work.
21.	Date: 26.09.2024 Town: Khetri • Ward 15 Chelapuri	Local residents Total Person Consulted:9 M-7; F- 2	Discussed on Project work progress status, community grievance and issues resolved status and feedback taken from community about project work.	Local residences were provided with the adequate details they were satisfied with project site work and appreciated the site work.
22.	Date: 02.09.2024 Town: Ladnu • Aasota village	Local residents Total Person Consulted:15 M-9; F- 6	Discussed with farmers of Aasota village, Magara bass, Magara bass, Station Road on Project work and feedback taken about project work and road restoration.	Farmers agreed to reused effluent wastewater and Local public appreciated RUIDP project work.
23.	Date:25.09.2024 & 27.09.2024 Town: Makrana • Veer Teja Colony, • Bhatipura • Adarsh Nagar.	Local residents Total Person Consulted:7 M-5; F- 2 Person Consulted:7 M-5; F- 2	Discussed about Housekeeping and Sewer Connection Issues.	Resolved PMU Complaint regarding sewer line, housekeeping and sewer connection.
24.	Date: 26.09.2024 Town: Ratangarh • 3.8 MLD STP	Local residents Total Person Consulted:11 M-11; F- 0	Discussed and Awareness generation about Sanitation & Hygiene, Sewerage Connection, Housekeeping surrounding and any Grievance due to laying of Sewerage pipeline and other road construction work activities.	Local residences are satisfied with project site work and appreciate the site work.

34. Photographs of consultations and attendance sheets as a sample are attached as **Appendix 2.**

B. PROJECT-SPECIFIC GRIEVANCE REDRESS MECHANISM

35. A project-specific, three-tier grievance redress mechanism (GRM) covers both environment and social issues. The GRM will be established to receive, evaluate, and facilitate the resolution of affected persons' concerns, complaints, and grievances about the social and environmental performance at project level. The GRM will aim to provide a time-bound and transparent mechanism to voice and resolve social and environmental concerns related to the project. Assessment of the GRM designed and implemented for Rajasthan Urban Sector Development Program (RUSDP)⁵ the system was effective in timely resolution of grievances in a transparent manner.⁶ The multichannel, project-specific, three-tier GRM is functional at RUSDP, hence the design of GRM for RSTDSP takes into account the proposed institutional structure for RSTDSP and the positive features and learnings from the previous GRM.⁷

36. **Common GRM.** A common GRM will be in place for social, environmental, or any other grievances related to the project. Implementation of the resettlement plans/RIPPs/DDRs/IEEs will follow the GRM described below. The GRM will provide an accessible and trusted platform for receiving and facilitating resolution of affected persons' grievances related to the project.

37. Public awareness campaigns within entire ULB/Municipal area will ensure that awareness on grievance redress procedures is generated. The nodal officer- social/environment at field level through community awareness and public participation consultant (CAPPC) will conduct ULB/Municipal area-based awareness campaigns to ensure that poor and vulnerable households are made aware of grievance redress procedures and entitlements. Contractors will provide

⁵ The procedures followed for grievance redress during implementation of RUSDP Phase III included the project GRM and the pilot GRM software application (Smart Check) in Pali, the Sampark portal of Government of Rajasthan, and the Chief Minister's helpline. Complaints received through various channels were mostly minor and pertained to damage to existing water supply pipelines and disruption of water supply during construction, delays in road restoration, and pending new connections. Complaints related to damage to private property (compound walls/steps, etc.) were less in number. The grievances were mostly possible to resolve in coordination with the contractors. Complaints received were immediately referred by the CAPC/PMDSC supervision staff to the PIU Nodal officer (safeguards) and concerned engineer at PIU, who advised them on further action. Follow up with the contractor on complaint resolution was undertaken by PIU Nodal officer CAPC and PMDSC and final feedback sought from complainant upon resolution. Complaints requiring inter-departmental coordination were referred to the PMU for resolution, and feedback provided to complainant. The PMU kept regular track of grievances through Whatsapp and email alerts, ensuring registration and follow-up until resolution.

⁶ Town-level grievance registration data indicates that a large number of grievances were registered, pointing to the effectiveness of the multi-channel GRM. No major grievance was received for RUSDP Phase III. The GRM helped smoothen the process of project implementation, hence the proposed architecture for the RSTDSP GRM remains similar, with some refinement, taking into account the changes in institutional setup proposed for project implementation.

⁷ Continued logistics support at field level will be key to successful management of grievance redress under RSTDSP. The target date for establishment of the first level (PIU level) and second level (Zonal level) of GRM is before loan negotiation.

pamphlets to communities prior to start of works and billboards during construction. The pamphlets and billboards will include relevant environmental and social safeguards, GRM information, and contact details of key personnel from PIU and contractors.

38. Affected persons will have the flexibility of conveying grievances/suggestions by dropping grievance redress/suggestion forms in complaint/suggestion boxes that will be installed by project PIUs or by e-mail, by post, or by writing in a complaints register in ULB offices/complaints register at contractor's work site⁸ or by sending a Whatsapp message to the PIU⁹ or by dialling the phone number of town level PIU/CAPPC or by dialling a toll-free number.¹⁰ Any aggrieved person can also avail the facilities of online grievance monitoring system 'Rajasthan Sampark' portal to register their grievance which is a parallel mechanism of grievance registration, in addition to the project GRM.¹¹ Careful documentation of the name of the complainant, date of receipt of the complaint, address/contact details of the person, location of the problem area, and how the problem was resolved will be undertaken and feedback provided to the complainant on action/decision taken. The Safeguard and Safety Officer of town/city level PIU will have the overall responsibility for timely grievance redressal on environmental and social safeguards issues and for registration of grievances, related disclosure, with the assistance of project consultants. In case of grievances that are immediate and urgent in the perception of the complainant, the contractor, and officials of PIU with assistance from construction management and supervision consultants (CMSC) and CAPPC on-site will provide the most easily accessible or first level of contact for quick resolution of grievances. Contact numbers and names of the concerned PIU safeguard and safety officer, contractors, CAPPC and CMSC personal will be posted at all construction sites at visible locations.

- (i) **1st level grievance.** The contractors, PIU Executive Engineer (EE)/Assistant Engineer (AE) designated as safeguard and safety officer (social and environment), CMSC (safeguard staff) and CAPPC can immediately resolve issues on-site, in consultation with each other and will be required to do so within 7 days of receipt of a complaint/grievance. If required, city level monitoring committee (CLMC)¹² will be involved in resolution of grievances at the 1st level.

⁸ RUSDP piloted an online application based live GRM counter for resolution of public grievances over and above the usual process of grievance registration and redressal. This app based GRM - "RUIDP Smart Check" is available at Google play store (free of cost) and is operational. The RUIDP Smart Check "app" was launched in Pali town in July 2017 and is proposed to be scaled up in RSTDSP project towns. For persons without access to the application, the traditional channels will continue to be available.

⁹ It is suggested for each PIU to have a dedicated whatsapp group for registration of grievances and receipt of quick feedback, to be followed by more formal communication.

¹⁰ Project contractors in all project towns will have a toll-free number with specific working hours for registration of grievances related to RSTDSP.

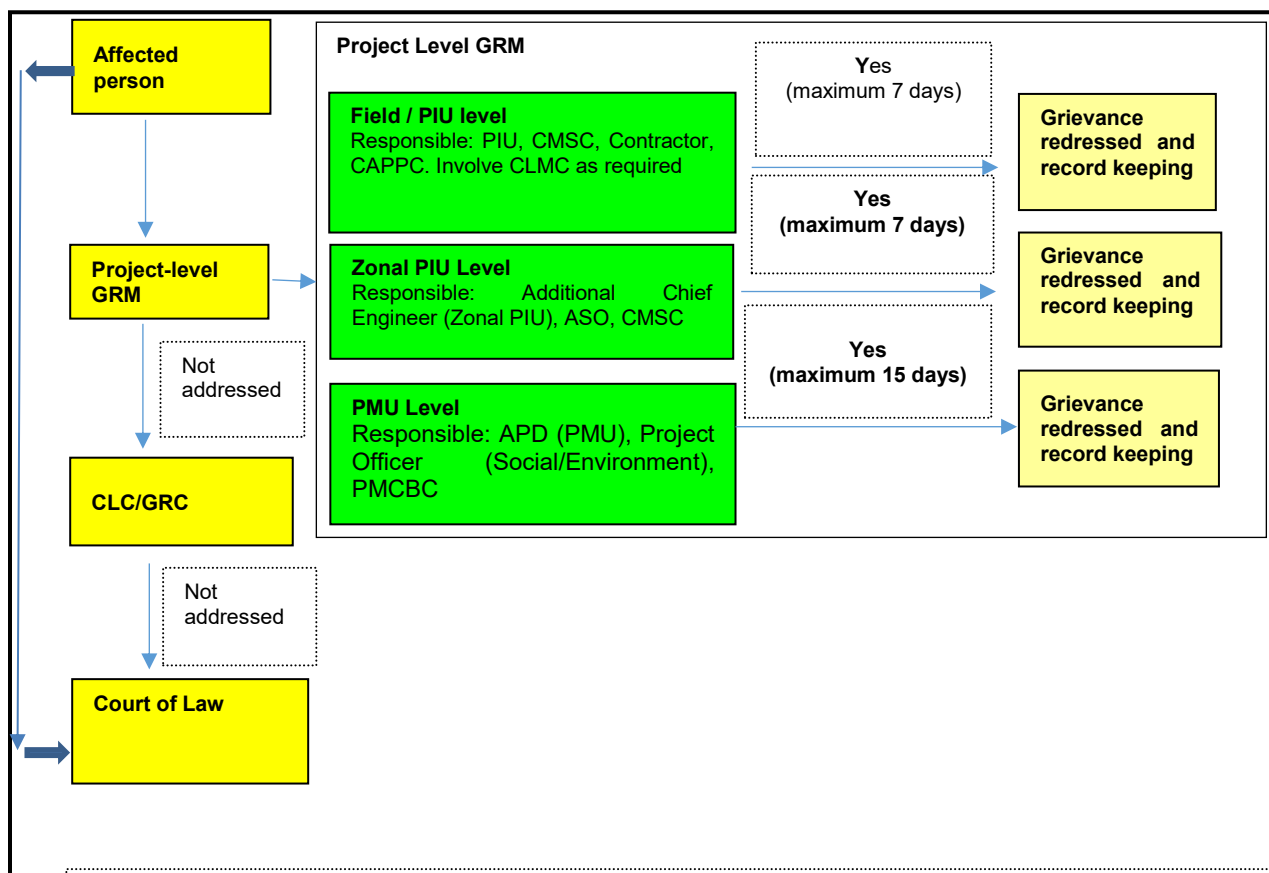
¹¹ <http://www.sampark.rajasthan.gov.in/RajSamWelcome.aspx>

¹² The CLMC has been formed at the town/city level for planning and monitoring of work, resolve issues related to departmental coordination etc. It is headed by Commissioner/Executive Officer ULB (Chairman) and city engineer of

- (ii) **2nd level grievance.** All grievances that cannot be redressed within 7 days at field/PIU level will be brought to the notice of Zonal PIU headed by Additional Chief Engineer (ACE). The ACE at zonal PIU will resolve the grievance within 7 days of receipt of complaint/grievance in discussion with the ASO, field level PIU, CMSC, CAPPCC and the contractor.
- (iii) **3rd level grievance.** All the grievances that are not addressed by Zonal PIU within 7 days of receipt will be brought to the notice of the PMU. Depending on the nature of grievance, the Project Officer (Social/Environment) at PMU will resolve the grievance within 15 days of receipt of grievance with necessary coordination of Zonal PIU and CMSC and guidance/instruction of Additional Project Director (APD-PMU).
- (iv) Grievances not redressed through this process within/at the project level within stipulated time period will be referred to the CLC/GRC, which has been set up.¹³ In its role as a GRC, the CLC will meet whenever there is an urgent, pending grievance. Other grievances can be discussed during its regular meetings. Zonal PIU will inform the CLC regarding any grievances required to be resolved urgently. The GRC will resolve the grievance within 15 days of receiving the complaint. In case of any indigenous peoples impacts in subprojects, the CLC/GRC must have representation of the affected indigenous people community, the chief of the tribe or a member of the tribal council as traditional arbitrator (to ensure that traditional grievance redress systems are integrated) and an NGO working with indigenous people groups.
- (v) The multi-tier GRM for the project is outlined below (Figure 02), each tier having time-bound schedules and with responsible persons identified to address grievances and seek appropriate persons' advice at each stage, as required. The GRC will continue to function throughout the project duration.

public health engineering department (PHED), public works department (PWD) and head of PIU acting as Member Secretary.

¹³ City Level Committee (CLC)/grievance redress committees (GRCs) has been constituted for each town/city under the Chairmanship of District Collector to provide overall subproject guidance and "to sort out issues and remove hindrances, if any". CLC formed at city-level/district level with members composed of: District Collector as Chairperson, and following as members: ULB Commissioner/Mayor/Chairman; Deputy Mayor/Vice Chairman ULB; Chairman / Secretary Urban Improvement Trust (UIT); Head of Zonal/field level PIU as Member Secretary; one representative each from relevant government departments as appropriate (PWD/PHED/Town Planning Department etc.). All CLCs in their role as GRCs will have at least one-woman member/chairperson. In addition, for project-related grievances, representatives of affected persons, community-based organizations (CBOs), and eminent citizens will be invited as observers in GRC meetings. The concerned Member of Parliament (MP) and Member of Legislative Assembly are also part of the CLC.

Figure 2: Grievance Redress Mechanism-RSTDSP

Note: APD = Additional Project Director, ASO = Assistant Safeguards Officer, CAPPC = community awareness and public participation consultant, CMSC = construction management and supervision consultants, CLC = city level committee, CLMC = city level monitoring committee, GRC = grievance redress committee, PIU = project implementation unit, PMU = program management unit, PMCBC = project management and capacity building consultant.

39. The project GRM notwithstanding, an aggrieved person shall have access to the country's legal system at any stage, and accessing the country's legal system can run parallel to accessing the GRM and is not dependent on the negative outcome of the GRM. In case of grievance related to land acquisition, resettlement and rehabilitation, the affected persons will have to approach a

legal body/court specially proposed under the Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act (RFCTLARRA), 2013.¹⁴

40. People who are, or may in the future be, adversely affected by the project may submit complaints to ADB's Accountability Mechanism. The Accountability Mechanism provides an independent forum and process whereby people adversely affected by ADB-assisted projects can voice, and seek a resolution of their problems, as well as report alleged violations of ADB's operational policies and procedures. Before submitting a complaint to the Accountability Mechanism, affected people should make an effort in good faith to solve their problems by working with the concerned ADB operations department. Only after doing that, and if they are still dissatisfied, should they approach the Accountability Mechanism¹⁵.

41. PMU, RUIDP, Jaipur has issued a letter no. 11367 dtd. 18.12.2020 to all PIUs to establish and explain the GRM under RSTDSP and nomination of required officers at first level in PIUs. Copy of this letter is attached as **Appendix 12**.

42. Grievance Redress Committee is set up under RSTDSP at all levels. Details of GRC members are given in **Table 24-**

¹⁴ The Authority admits grievance only with reference to the Land Acquisition and R&R issues under the RFCTLARRA, 2013.

¹⁵ Accountability Mechanism. <http://www.adb.org/Accountability-Mechanism/default.asp>.

Table- 24: Details of GRC Members

GRC Members (Grievance redressal committee members)								
Town Name	1st Level GRC Members				2nd Level GRC Members		3rd Level GRC Members	
	Contractor (Project Manager)	Executive Engineer, PIU	Safeguard and Safety Officer (SSO), PIU	Environment Safeguard-, CMSC	Social Safeguard, CMSC	Zonal Additional Chief Engineer	Project Officer, Environment, PMU	Project Officer, Social, PMU
Ratangarh	Mr. Brijesh Kumar Chaturvedi	Mr. R.D. Garg	Om Prakash Bairwa	Dr. Mahaveer Saini	Mr. Rajeev Sharma	Mr. Kamlesh Prakash Vyas A.C.E., Zone-Jodhpur	Ms. Poornima Mahlawat Project Officer	Mr. Shiv Ratan Parik
Fatehpur	Mr. Madheshwar Kumar	Mr Pradeep Meena	Mr Pradeep Meena.					
Laxmangarh	Mr. Madheshwar Kumar	Sh. Devendra Saini	Mr. Surendra Godra					
Sardarshahar	Mr. Sandeep Chahar	Mr. Manoj Mittal	Mr. Manoj Mittal					
Abu Road	Mr. C.P. Rajesh (Additional Charge)	Mr. Mahendra Samdhani	Mr. Sunil Vishnoi					
Sirohi	Mr. C.P. Rajesh	Mr. Ashok Kadwasara	Mr. Ashok Kadwasara					
Pratapgarh	Mr. Lalit Trivedi	Mr. Ashok Kumar Jangid	Mr. Madan Lohar					
Banswara	Mr. Mrugank D Trivedi	Mr. Ashok Kumar Jangid	Mr. Ashok Kumar Jangid					
Kuchaman	Mr. Shahnavaz Hussian	Mrs. Pratibha	Mrs. Pratibha	Mr. Vardan Srivastava	Mr. Nasir Hussain	Mr. K.K. Natani		
Ladnun	Mr. Madheshwar Kumar	Mr. Om Prakash Sahu	Mr. Mohd Riyaj Ahamad					
Makrana	Mr. Madheshwar Kumar	Mr. Raj Kumar Meena	Mr. Shrikant Yadav					
Didwana	Mr. Madheshwar Kumar	Mr. Raj Kumar Meena	Mr. Rameshwar Jat					
Khetri	Mr. Anil kumar Meena	Mr. Devendra Saini	Miss Sanju Pooniya					
Mandawa	Mr. Karri Bhujanga Rao	Mr. Devendra Saini	Miss Sanju Pooniya					

43. During April 2024 to September 2024, no grievances related to environment was received.

12. CONTRACTORS' ENVIRONMENTAL, HEALTH AND SAFETY (EHS) PERFORMANCES

44. Contractors of different packages have deputed EHS Engineers in their respective towns for compliance of EHS and safeguard issues at site. Contractors have provided workers camps with sufficient and adequate facilities. Proper barricades and signage are being provided during pipe laying works in general. Contractors are also observing different important days (safety week, world environment day, labor day etc.) at their respective sites to recognise the importance of Environment, Health and Safety and making awareness among workers. Various types of environmental, health and safety activities and worker's welfare activities like workers health check-ups, blood donation camps, plantations, social works, safety orientations, COVID-19 awareness and training are also performed by contractors time to time apart from project related EHS compliances. Contractors' performance of EHS is monitored by safeguard specialists/support of PMCBC/CMSCs during their site visit and contractors also submit monthly and quarterly reports of various EHS activities at sites to PIU/CMSC/PMCBC.

45. During reporting period various such activities were performed by different contractors and illustrations are attached as **Appendix 8 and 9** with this report.

46. Site-Specific Environment Management Plans (SEMP) for all towns in pre-construction phase, are already approved and being followed in construction works. These SEMP's also include Solid Waste and Spoil Management Plan, Traffic Management Plan, Health and Safety Plans, Workers camps plans, COVID-19 prevention and control plan, Asbestos Management Plan etc.

47. **Prevention and control measures adopted by contractors during COVID-19 pandemic.** Due to pandemic of COVID-19 there is risk of infection to workers and staff while working at sites, therefore there was requirement to follow COVID appropriate behaviour at all work sites and offices, for which RUIDP prepared guidelines for COVID-19 and issued to all PIUs and contractors with the instruction to strictly follow these guidelines during construction works at sites and all offices of PIU/consultants/contractors. Contractors followed all the guidelines as specified by RUIDP and Governments and prepared SOP for construction activities.

48. All the contractors have prepared separate plan for prevention and control of COVID-19 during pandemic and after resume of works at site. Purpose of these documents are to lay down procedures to be followed during pandemic conditions as per guidelines issued by State Government & local authorities. RUIDP directions, contractors SOPs, their efforts and activities for prevention and control measures for COVID-19; adopted by contractors are reported in **Appendix 10**.

49. **Accident and Incident at project sites.** Contractors are implementing the safety measures at all project sites as per best practices, but there are always chances of accident and incident during construction works. Contractors are reporting accident, incident, near miss and first aid cases on quarterly basis to PIUs/consultants. A report on accident and incident cases during reporting period is attached as **Appendix 13**.

13. SUMMARY OF KEY ISSUES AND REMEDIAL ACTIONS

A. FINDINGS AND KEY ISSUES

50. Up to September 2024, contracts for all 14 project towns (under Trench I sub projects) have been awarded (Ratangarh, Laxmangarh and Fatehpur under single contract as package, no. RSTDIP/RTG-FTP-LXG/01, Sardarshahar – package no. RSTDIP/SRD/01, Abu Road and Sirohi under single contract as package no. RSTDIP/SHR-ABR/01, Pratapgarh; package no. RSTDIP/PRT/01, Banswara; package no. RSTDIP/BNS/04, Khetri; package no. RSTDIP/KTR/03, Mandawa; package no. RSTDIP/MDW/03, Kuchaman; package no. RSTDIP/KMN/02, Didwana, Makrana and Ladnu under single contract as package no. RSTDIP/LDN-DID-MKN/01. Apart from this, contracts for 13 FSTPs (under Trench- I saving sub projects) in 2 clusters have also been awarded as RSTDSP/NKT-SHR-BAN-JOB/01 (FSSM Cluster 01) and as RSTDSP/FSTP-9 Towns/03 (FSSM Cluster 02). Contractor is mobilized in the both packages of FSTP towns and a physical progress of about 71% (for one package of four towns) and 54% (for one package of nine towns) has been achieved up to the reporting period .

51. IEEs of all 14 project towns have been approved by ADB. The Service Improvement Plan (SIP) for the all subproject towns is approved and IEE of all 14 subproject towns Ratangarh, Laxmangarh, Fatehpur, Sardarshahar, Abu Road, Sirohi, Pratapgarh, Banswara, Kuchaman, Ladnu, Didwana, Makrana, Mandawa & Khetri are updated as per approved SIP scope and updated IEEs were already approved by ADB and uploaded on ADB and RUDSICO_EAP portals.

52. Contractors have been oriented in pre-construction stages by PMCBC/CMSC environment specialists about requirements of ADB safeguard policy and other contractual and legal compliances. Periodical refresher trainings and orientations is required during regular site visits to ensure compliance of EMP.

53. All the required legal obligations are being fulfilled in the project. In compliance to country's legal requirements for STPs, WTPs & FSTPs; Consent to Establish (CTE) is being obtained from Rajasthan State Pollution Control Board (RSPCB) in all project towns. There are total 19 STPs and 3 WTPs proposed for new construction in all 14 towns (Trench-I Subprojects) and CTE for all of them is obtained till this reporting period and CTO for Ratangarh, Fatehpur, Pratapgarh & Sirohi towns are already obtained and CTO for STPs at Abu Road, Sirohi and Mandawa towns are applied to RSPCB during this reporting period.

54. Up to September 2024, total 22 applications for CTEs for STPs and WTPs were submitted out of which 22 CTEs have been issued by RSPCB and 7 applications for CTO for STPs were submitted out of which 4 CTOs have been issued by RSPCB. There are existing 3 STPs proposed for upgradation and 2 WTPs proposed for rehabilitation; which will require consent to establish

and consent to operate. Consent to Establish has also been obtained from Rajasthan State Pollution Control Board for 3 STPs proposed for upgradation and 2 WTPs proposed for rehabilitation. CTE for recently awarded FSTP packages includes construction of 13 FSTPs under 2 clusters (Tranche-I Saving subprojects). Of these two clusters, one cluster consists 4 towns namely Bandikui, Neem ka thaana, Shahpura(Bhilwaara) and Jobner and other cluster consist 9 towns namely Bari, Deeg, Pilibanga-Suratgarh, Shahpura- Bhilwara, Bhinder-Kanor, Gangapur, Bhawani Mandi, Dausa and Tijara. CTE for these FSTPs will be required to obtain prior to construction. CTEs for 13 new FSTP will be applied before start of construction works. CTE for Dausa, Neem Ka Thana, Bari, Jobner, Bandi Kui, Deeg, Bhawani Mandi, Bhinder-Kanode & Tijara FSTPs are obtained and for CTEs are also obtained for Shahpura (Bhilwara), Gangapur (Bhilwara) & Pilibanga-Suratgarhare during this reporting period.

55. Environmental monitoring (baseline) of ambient conditions (air, Noise, Soil and water) has conducted in all project towns at pre-construction stage. Quarterly environmental monitoring is required to be conducted throughout the construction period in all project towns as per EMP.

56. All precautionary measures for prevention and control of COVID-19 is being undertaken in all projects as per RUIDP, State of Rajasthan and Union Government's guidelines.

B. REMEDIAL MEASURES

57. Following remedial measures and action plan have developed to address the issues of concerns raised in this report.

Table 25: Remedial Measures and Action Plan

Pending Issue	Proposed Remedial Measure	Responsibility	Time Frame
Pending clearances/ consents from regulatory agencies	Follow up for pending Forest clearance for some stretch of raw water rising main at Abu Road: - PIU has submitted application for forest clearance. - Stage—1 clearance is obtained and an amount of Rs. 1.30 Cr is deposited on 22 Dec. 2023. - Compliance of Stage -1 completed and report submitted to Forest department on 29.12.2023. - Observations made by forest department are complied and DCF, Sirohi vide his letter no. 1207 dated 12.04.2024 requested DCCF, Jodhpur to grant Working Permission. - Working permission is awaited from MoEF Regional center, Jaipur	PIU/CMSC-2	05.10.2024

APPENDIX 1: SELECTED PHOTOS OF SITE VISITS AND CONSTRUCTION WORKS Ladnu Town (Site Visited on dated 08.04.2024)

	
Housekeeping not done properly after road restoration.	Action taken: Proper housekeeping done
	
workmen were working without proper PPEs	EHS Officer ensured that workmen wearing proper PPEs

Mandawa Town (Site Visited on dated 25.04.2024 to 27.04.2024)

	
Worker found without PPE kit during work at PHED campus	Action taken: PPE kit during work at site ensured
	
Good Practice: Project information Board is displayed at visible place	

Ratangarh Town (Site Visited on dated 27.04.2024) at Labour Camp

		
It was found that Fire bucket sand turned hard soil.	Action taken: Fire bucket sand has been replaced.	
		
It was observed that DWC pipe is uncovered at storage area.	Action taken: Tarpaulin covering has been provided for DWC pipe	
		
Fire Extinguisher monthly inspection is not done	Action taken: Fire extinguisher inspection done on monthly basis.	Good Practice: Separate toilet & bathing facilities are available for Male & female are available at labour camp.
		
Good practice: Water facility available & cleanness has been done on weekly basis;	Good practice: Project information Board and RUIDP Helpline number banner is displayed at visible place at SPS 4.6 MLD Near Main Ginani, Ratangarh	

Abu Road Town (Site Visited on dated 21.04.2024 to 22.04.2024)**2.3 MLD STP, Manpur and 350 KLDCWR Market Area**

	
Labours were found working without PPEs at 350 KLD CWR Market Area.	Action taken: PPE's provided to all workers.
	
It was observed that electric plug top was missing on the site at 350 KL CWR	Action taken: Plug top provided by the contractor.
	
Poor Housekeeping observed at the entrance of the 2.3 MLD STP Manpur.	Action taken: Shuttering material removed and barricading provided.
	
First aid kit was available but without sufficient medication.	Action taken: Provided sufficient medications for First aid box.
	
2.3 MLD STP Manpur plug is not present and housekeeping needs to be done.	Action taken: Plug Top provided & Housekeeping is done

Sirohi Town (Site Visited on dated 02.04.2024 to 15.04.2024)**1.7 MLD STP, 9.0 MLD WTP and Intake Dam at Shardulpura**

			
Workers working without the PPE at shardulpura. Ensure workers wear proper PPE during execution of work.		Action taken: PPEs provided PEP Talk conducted at site for PPE's Awareness	
			
Poor Housekeeping at WTP 9 MLD Angore.	Action taken: Housekeeping done.	Good Practice: First Aid box available on site with proper medication.	

Abu Road Town (Site Visited on dated 06.05.2024 to 20.05.2024)
2.3 MLD STP, Manpur and 350 KLDCWR and Market Area. Abu Road

			
First aid was available but without sufficient medication.	Action taken: New First aid box provided.	Worker found without helmet and shoes at work place	Action taken: PPE's provided to all workers

Ladnu Town (Site Visited on dated 16.05.2024 to 18.05.2024)
Sewerage Treatment Plant (STP) Site

			
IC chamber not covered properly.	Action taken: IC chamber properly covered.	workmen were working without proper PPEs	Action taken: PPEs Provided to workers at site.

Ratangarh Town (Site Visited on dated 21.05.2024 to 27.05.2024)
SPS Near Main Ginani

			
Good Practice: Project information Board and Barricading is available around the work place.	Good Practice: It was observed that workers were working with PPE and information board was available at site.		
			
It was observed that Safety PPE Poster, Lifting Do & Do Not poster And No Smoking & Drinking poster are at site are damaged	Action taken: Damage signage has been replaced.	Poor housekeeping was observed at 6.1 MLD STP near gaushala	Action taken: Proper housekeeping done

Mandawa Town (Site Visited on dated 28.05.2024 to 30.05.2024)

	
Found Workers without PPE kit during work at SPS campus	Action taken: PPEs provided to workers and training on importance of PPEs is conducted at site.
	
Poor housekeeping was found at PHED Campus	Action taken: Housekeeping done.

Makrana Town (Site Visited on dated 05.06.2024)

	
No Cautionary Board and barricading provide after Hole	Action taken: Provided barricading before excavation work.

Ladnu Town (Site Visited on dated June 2024) - Sewerage Treatment Plant Site

	
Workmen were working without proper PPEs	Proper PPEs provided to workers and training on importance of PPEs is conducted at site.

Ratangarh Town (Site Visited on dated 24.06.2024 29.06.2024)

	
Good practice: During site visit it that hard barricading, information board and safety net was observed at work site.	Good practice: First aid box has been provided to all working sites
	
Worker is working on height without wearing body harness & safety helmet at 6.1 MLD SPS Near Gaushala	Action taken: Full body harness (FBH) has been provided to workers at site.
	
It was observed that Construction material is spread around the blower's pipeline. which may cause accident	Action taken: Housekeeping has been done and access has been provided
	
It was observed that worker is working without any PPT at CC Road Restoration Work Near Bhuwal Ka Khoti site.	Action taken: PPEs has been provided and training on importance of PPEs is conducted to all workers at site

Mandawa Town (Site Visited on dated 20.06.2024 to 22.06.2024)

		
Found some GT chamber without covered	Action taken: GT Chamber covered	Good Practice: Hard Barricading during BT road work is properly covered.

Khetri Town (Site Visited on dated 25.06.2024 to 27.06.2024)

		
Found Poor storage of Cements begs at Site	Action taken: Ensure proper storage of Cements begs at site	Good Practice: Materials proper covered by Nets at store yards:

Ladnu & Makrana Towns (Site Visited on dated July 2024)

			
Manhole cover damage at site Ladnu	Action taken: Manhole cover changed and properly placed.	Poor housekeeping at STP.	Action taken: All unnecessary material removed at the same time at Makrana

Mandawa Town (Site Visited on dated 18.07.2024 to 20.07.2024)

	
Poor House Keeping at STP	Action taken: Proper Housekeeping at all site after work

Khetri Town (Site Visited on dated 23.07.2024 to 25.07.2024)

	
Good Practice: Tree Plantation at all structure site.	Good Practice: Mobile Toilet available at construction site
	
First Aid Kit was not found at Store and A, en Campus	Action taken: First Aid kit provided

Ratangarh Town (Site Visited on dated 22.07.2024 to 23.07.2024)**6.1 MLD SPS Near Gaushala**

Good practice: Project information board & Emergency contact details are displayed at visible location.



Good practice: First aid box is available at site.



Poor housekeeping was found near the work place.

Action Taken: Housekeeping has been done at site and provided safety training on importance of housekeeping at site to workers.

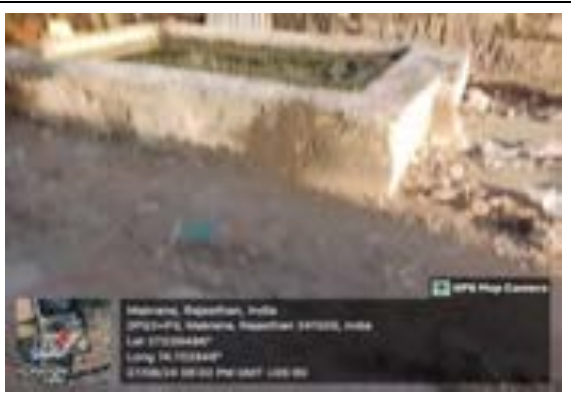
Sirohi Town (Site Visited on dated 02.07.2024 to 04.07.2024)
Shardulpura CWR PH, Bhatakeda, Krishna puri, and Anadra Main Road, Sirohi

	
Worker found at Nehru nagar without proper PPEs.	Action taken: PPE's Awareness Training conducted at site
	
No barricading and diversion boards are present at the baksawa road	Action taken: Hard Barricading Provided
	
Housekeeping work is required at shardulpura CWR PH.	Action taken: Housekeeping done

Abu Road Town (Site Visited on dated 05.07.2024 to 06.07.2024)
Railway colony, Labour Camp, Market Area and CWR Market Area, Abu Road

	
Workers at Krishna Medical Road found working in poor condition without PPEs.	Action taken: PPE provided; Workers working with appropriate PPE
	
Poor working condition and stacking of steel.	Action taken: Proper housekeeping ensured
	
No barricading was provided on the working site at railway colony area	Action taken: Barricading ensured

Makrana Town (Site Visited on dated August 2024)

	
Water Tank on the STP was not covered, which may cause the risk of accidents.	Action taken: Water tank has been covered same day

Khetri Town (Site Visited on dated 28.08.2024 to 31.08.2024)

			
Excess Material was not removed after work at site	Action taken: Excess Material removed from site after work.	MCC building was not Clean	Action taken: Proper cleaning done at MCC building

Ladnu Town (Site Visited on dated September 2024)

	
workmen were working without proper PPEs	Action taken: PPEs provided and being used by workers at site.

Ratangarh Town (Site Visited on dated 26.09.2024)**6.1 MLD SPS NEAR GAUSHALA**

	
It was observed that some of worker working without safety helmet & safety shoes	Action taken: PPEs has been provided to all workmen at site and safety training is done.
 	
It was observed that the upper space of the Earth pit near transformer is open it may cause fall down/accident.	Action taken: Cover provided
	
It was observed that planted trees at 6.1 MLD STP are dying up due to inadequate watering at 6.1 MLD STP.	Action taken: Watering is done at STP 6.1 MLD

Sirohi Town (Site Visited on dated 18.09.2024 to 26.09.2024**Kalkaji CWR 1450 KL and 8.6 MLD Intake and WTP 9.0 MLD, Angore.**

Worker found at WTP Intake 8.6 MLD angore without safety belt



Action taken: PPEs provided to everyone and Labours following proper safety protocols while working on the site.



Workers rest room is not properly cleaned. Kalkaji CWR 1450 KL.



Action taken: Proper neat and sanitized workers rest room assured

APPENDIX 2: SAMPLE PHOTOGRAPHS OF CONSULTATIONS**Photos of Public Consultations at Ladnu town on dated 09.04.2024****Attendance Sheet of Public Consultation at Ladnu on dated 09.04.2024**

RUIDP
(A UNIT OF RUDISCO)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity Consultation
Attendance Sheet

Place: Asota Village Date: 09.04.2024
Topic/Issues Discussed: mon. Farmers Discussion Regarding
Step-1 Sewerage waste water
Reuse water is use for farming purpose

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	मानाराम	✓		farmer	6278931670	मानाराम
2	जोनासिंह	✓		farmer	998320202	जोनासिंह
3	नाथूराम	✓		—	—	नाथूराम
4	दुर्जनसिंह	✓		—	9649819232	दुर्जनसिंह
5	हनुमानसिंह	✓		—	962278361	हनुमानसिंह
6	हरदयाल	✓		—	9929866172	हरदयाल
7	दुर्गासिंह	✓		—	9828553281	दुर्गासिंह
8	सरूप कुमार	✓		—	9928553281	सरूप कुमार
9	जोगुराम	✓		—	7817732228	जोगुराम
10	पुनसिंह	✓		—	9412288954	पुनसिंह

Photos of Public Consultations at Mandawa town on dated 27.04.2024**Attendance Sheet of Public Consultation at Mandawa on dated 27.04.2024**

RUIDP
A Unit of RUDSICO

Construction Management & Supervision Consultancy-01
Consultation Sheet

Project town: - Mandawa - Venue: - all on Date: 27/04/2024 Time: 10:00 AM

Issues: - 1. From do From Contact & Project work program
2. Give your Review and a Feedback at RUIDP work.

S. N. Name Sex Designation Contact No. Signature

S. N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	आलीक	✓		वाडवाली		
2	पाना देवी		✓	" "		
3	कन्हैया लाल	✓		" "	8541514571	कन्हैया लाल
4	विपिन कुमार	✓		" "		
5	मदन लाल	✓		" "	8302530121	मदन
6	बागीरी		✓	" "	9001580900	बागीरी
7	राजीवराज	✓		" "		राजीवराज
8	सारदा देवी		✓	" "		
9	शंकर लाल	✓		" "	8783198196	Shankar Lal
10	नानूराम	✓		" "		
11	जीमसकाडा	✓		" "		
12	गोपाल भुवाल	✓		" "		गोपाल
13						गोपाल
14						
15						

[illegible]

Photos of Public Consultations at Ladnu town on dated 07.05.2024



Attendance Sheet of Public Consultation at Ladnu on dated 07.05.2024

RUIDP
(A Unit of RUDISCD)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity of consultation
Attendance Sheet

Place: Bus Stand, Panchayat, Gundiya, Ladnu, 07.05.2024

Topic/Issues Discussed: Affected person consultation re AP's payment received and check in bank account and payment slip in receipt.

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	Devraj Singh	✓	—	Affected person	982898835	[Signature]
2	Rajkumar Singh	✓	—	"	9828981253	[Signature]
3	Soham Lal	✓	—	"	633636650	[Signature]
4	Prem	—	✓	"	941472604	[Signature]
5	Dharmendra	—	✓	"	8441993267	[Signature]
6	Bhumi	—	✓	"	9549981856	[Signature]
7	Jay Singh	✓	—	"	9166357201	[Signature]
8	Babulal	✓	—	"	9784428406	[Signature]
9	Sarjit	✓	—	"	9351077106	[Signature]
10	Anand Singh	✓	—	"	6376293005	[Signature]
11	Shat Singh	—	✓	"	9672170853	[Signature]
12	Mahesh Singh	✓	—	"	8824568452	[Signature]
13	Rajendra Singh	✓	—	"	6872443201	[Signature]
14	Rajendra Singh	✓	—	"	7784442410	[Signature]
15	Ramkishan Singh	✓	—	"	—	[Signature]

[illegible]

Photos of Consultation with Shop Keeper about Project Benefits and work information at Mandawa town on dated 30.05.2024



Attendance Sheet of Public Consultation at Mandawa on dated 30.05.2024

RUIDP Construction Management & Supervision Consultancy-01
A Unit of RUDSICO

Project town:- Mandawa/Venue:- Mandawa, Dist:- Jaisalmer Date:- 30.05.2024 Time:- 11.00 AM

Issues:- 1 Status of Road Reopening Information Project work
2 Resource constraints Issue

S. N. Name Designation Contact No. Signature

1	बाबुलाल जी	Shop Keeper	6376622404	बाबुलाल
2	संदीप कुमार	"	7568437518	संदीप
3	किशोर जी	"	9602446101	किशोर
4	रघुवीर	"	960-2968939	रघुवीर
5	साकीर जी	"	9985641812	साकीर
6	अजय कुमार कानी	"	9828235745	अजय
7	सुनिता कुमारी	"	9413569216	सुनिता
8	अनील कानी	"	7891582482	अनील
9	पवन कुमार	"	9887878064	पवन
10	अशोक सैनी	"	8769415572	अशोक
11	ललित कानी	"	9928844592	ललित
12	प्रेमाका कानी	"	9107724444	प्रेमाका
13				
14				
15				

Photos of Public Consultations at Makrana town on dated 12.06.2024 & 24.06.2024



Attendance Sheet of Public Consultation at Makrana on dated 24.06.2024

RUIDP
Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation

Attendance Sheet

Place: Bhatipasa, Mahiyanki Dharai Date: 24-06-2024
23-06-2024

Topic/Issues Discussed: Regarding Public Consultance and
multiple issue.

S. No.	Name	Gender	Occupation	Mobile No.	Signature
1.	Bharthi chand si	+	House Hold	9829278510	[Signature]
2.	Nandkhand	+	Household	9828272810	[Signature]
3.	Mithalal sisodhya	+	Household	8504037703	[Signature]
4.	Parmarank Savani	+	Community member	9186571827	[Signature]
5.	Parmarank chandhan	+	Unemployment	7877785464	[Signature]
6.	Mohavore, Jyoti	+	Community member	7576730345	[Signature]
7.	Mahendray Rath	+	Community member	8503309246	[Signature]
8.	Vijay Kumar	+	Community member	9521814777	[Signature]
9.	Gopalram	+	House Hold	9851830730	[Signature]
10.					

Attendance Sheet of Public Consultation at Makrana on dated 12.06.2024

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation

Attendance Sheet

Place: Badanahat, Jilawa Hospital. Date: 12-06-2024

Topic/Issues Discussed: The community was fully explained about the sewer lines and connections

S. No.	Name	Gender		Occupation	Mobile No.	Signature
		M	F			
1.	Shameem	✓		Community member	6367786233	Shameem
2.	Fayaz Ahmar	✓		House Hold	9214678743	Fayaz
3.	Nawab Ali	✓		Community member	9461314894	Nawab
4.	Abdul Latif	✓		House Hold	9602732272	Abdul Latif
5.	Mohammed Saleem	✓		House Hold	7737393785	Mohammed
6.	Ashfaq Ahmad	✓		House Hold	9669317700	Ashfaq
7.	Aasma Bano		✓	House Hold.		Aasma
8.						
9.						
10.						

Photos of Public Consultations at Ladnu town on dated 06.06.2024



Attendance Sheet of Public Consultation at Ladnu town on dated 06.06.2024

RUIDP
(A Unit of RASTDC)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation
Attendance Sheet

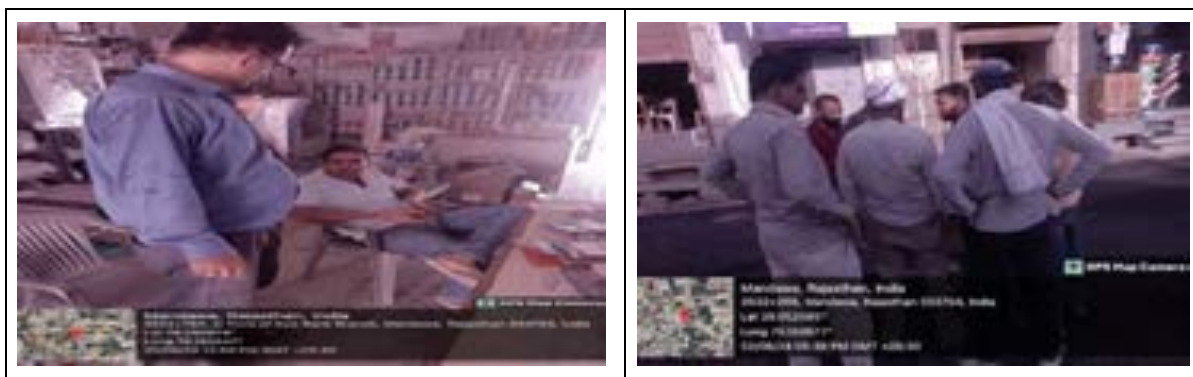
Place: Shreejiya Bhai, Gandhichow, Bhusindpur 06.06.24 and 17.06.24
Topic/Issues Discussed: and 24.06.24

Consultation with affected persons and local persons regarding benefits of sewer work and support RSTDSP work in Ladnu town.

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	सत्यजित खान	✓		Aggs	—	—
2	अनील खान	✓		Local people	—	—
3	राजेश कुमार	✓		Local people	952181352	—
4	राहुल	✓		Local person	—	—
5	मनीष	✓		Local person	—	—
6	सुभाष	✓		Local person	—	—
7	जगदीश	✓		Aggs	—	—
8	जगदीश	✓		Aggs	916635201	—
9	अशोक	✓		Aggs	—	—
10	प्रेम		✓	Local person	9514276014	—
11	जीतादेवी		✓	Aggs	9672277038	—
12	हर्षदेवी		✓	Local person	—	—
13	पुष्करदेवी	✓		Local people	—	—
14	राजेश लोनी	✓		Shopkeeper	—	—
15						

Handwritten signature: Mansi

Photos of Consultation with Shop Keeper about Project Benefits and work information at Mandawa town on dated 21.06.2024



Attendance Sheet of Public Consultation at Mandawa on dated 21.06.2024

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUDISCO
Consultation Sheet

Project town:- Mandawa Venue:- Mohindgarh R. Date:- 21.06.2024 Time:- 3:30 p.m.

Issues:- 1. Door to door contacts with CSM
2. project work pro- informal
3. project work informal

S.No.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	सुभाष शर्मा	✓		Shopkeeper		[Signature]
2	कमली भांडल	✓		"		[Signature]
3	राठे कुशवन्त	✓		"	9003006735	[Signature]
4	गिरजाश्री जात	✓		"		[Signature]
5	अरुण टुल्य	✓		"	982917828	[Signature]
6	अशोक सैनी	✓		"		[Signature]
7	जगदीश कौरी	✓		"	8769215572	[Signature]
8	केलाश	✓		"	8107724403	[Signature]
9	राजेश	✓		"	7442591904	[Signature]
10						
11						
12						
13						
14						
15						

Photos of Public Consultations at Khetri town on dated 25.06.2024



Attendance Sheet of Public Consultation at Khetri on dated 25.06.2024

RUIDP
A Unit of RUDSICO

Construction Management & Supervision Consultancy CMSC-01
Consultation Sheet

Project town: - Khetri Venue: - Sastri Park/road Date: 25.06.2024 Time: - 10:00 AM

Issues: - 1. Door to Door Consultation with the Community
2. Project Work Benefit and work Information
3. Community Feedback

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	अनिल	✓			8167122445	An
2	शांभुलाल	✓				Sh
3	राजेशचाम रमेश	✓			809420389	21/06/24
4	हरि कौशिक	✓			992946106	2
5	समीर चक्रवर्ती	✓			8769599611	Harini
6	शोभिता		✓			
7	गीता लाल		✓			
8	होटे लाल	✓			992815777	6/1/24
9	सुपन		✓		98261757	सुपन
10	शेखर	✓				
11	मुकेश	✓			702314922	21/06/24
12	महेन्द्र	✓			941543932	4/1/24
13						
14						
15						

PUBLIC CONSULTATION
Name of Person: Ugrasen Kumar, Environment Safeguard Support, RUDDP, Ratnagarh
Town: Ratnagarh
Place: Near, Panna chamber Park
Date: 27/06/2024

[illegible]

22/06/2014

Photos of Public Consultations at Ladnu town on dated 04.07.2024



Attendance Sheet of Public Consultation at Ladnu town on dated 04.07.2024

RUIDP
(A Unit of RUP/SICO)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation
Attendance Sheet

Place: Teeli Road, Station Road, Buxar Date: 04.07.2024, 10.07.2024
Topic/Issues Discussed: 29.07.2024

Consultation with Affected Persons and Local Persons regarding benefits of Sewer work and Support to PWD works Ladnu town.

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	मि. अरुण	✓		Affected person	8058253212	—
2	मि. अरुण	✓		"	8090511068	—
3	मि. अरुण	✓		"	9357299338	—
4	मि. अरुण	✓		"	9461124472	—
5	मि. अरुण	✓		"	9665715172	—
6	मि. अरुण	✓	✓	"	—	—
7	मि. अरुण	✓	✓	"	—	—
8	मि. अरुण	✓		"	8290751304	—
9	मि. अरुण	✓		"	958996968	✓
10	मि. अरुण	✓		Complaince	9783622812	✓
11	मि. अरुण	✓		Local people	—	—
12	मि. अरुण	✓		Local people	954958052	—
13	मि. अरुण	✓		Local people	9511575232	—
14	मि. अरुण	✓		Local people	9775579921	—
15	मि. अरुण	✓		Local people	938456620	—

M = 13
F = 02
Total = 15

Naval
Social Safeguard Support Staff
CMSC-01, Ladnu

Photos of Public Consultations at Makrana town on dated 02.07.2024



Attendance Sheet of Public Consultation at Makrana town on dated 02.07.2024

RUIDP Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation
Attendance Sheet

Date: Mali Masjid, Grahundi Date: 02-07-2024

Topic/Issues Discussed: Door to door Consultation on Sewerage facilities and Concerns. People have their own septic tanks and soak pits and our skilled people are providing open

S. No.	Name	Gender	Occupation	Mobile No.	Signature
		M	F		
1	Mohd. Afzal	+	Community Member	9664423736	[Signature]
2	Rajkumar	+	—/—	9667237303	[Signature]
3	Dogam Rathar	+	—/—	8118838758	[Signature]
4	Sita Devi		—/—		[Signature]
5	Choti Manwar	+	—/—		[Signature]
6	Mohandul	L	—/—	9251128374	[Signature]
7	Asghar	L	—/—	9660046836	[Signature]
8	Bhanwar Singh	L	—/—	9799479242	[Signature]
9	Bajmohan	L	—/—	7737368030	[Signature]
10	Am Nanza Devi	+	—/—		[Signature]

*with Consent
Social Safeguard*

Photos of Public Consultations at Makrana town on dated 06.07.2024**Attendance Sheet of Public Consultation at Makrana town on dated 06.07.2024**

RUIDP
Ministry of Environment

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation

Attendance Sheet

Place: Shivdalay, Vasundhara Nagar, Palata Date: 06-07-2024
Plant: Palata

Topic/Issues Discussed: Regarding public convenience Jaipur PMU

S. No.	Name	Gender		Occupation	Mobile No.	Signature
		M	F			
1	Ghosi Ram	✓		House Hold	9251530730	[Signature]
2	Phool Choudhary	✓		House Hold	9252960065	[Signature]
3	Dattar Singh Shelabawad	✓		Community Member	9460754289	[Signature]
4	Shikhandan	✓		House Hold	8237731036	[Signature]
5	Sandeep Nayyar	✓		House Hold	9825679789	[Signature]
6	Nikhil Sattari	✓		Ward Councillor	6378524840	[Signature]
7	Mohd. Salim	✓		House Hold	7737393281	[Signature]
8						
9						
10						

4/8/2024
Social Safeguard

Photos of Public Consultations at Mandawa town on dated 19.07.2024**Attendance Sheet of Public Consultation at Mandawa town on dated 19.07.2024**

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUIDCO Consultation Sheet

Project town: - Mandawa Venue: - _____ Date: - 19/07/2024 Time: - 10:30 AM

Issues: - 1. Bewlka 2d RUIDP work, Sanitation & Hygiene
2. Fenced back of RUIDP work. Ground again

S. _____ C. _____

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	सुमित्रा		L	कार्मिक		सुमित्रा
2	कृष्ण	L			88255865	कृष्ण
3	ममोदेवी		L		822936633	
4	कसन्ती		L			
5	रमेश	L			992951469	रमेश
6	लीलाचर	L			837620313	
7	विनोद कुमार	L				
8	रिहपाल	L				रिहपाल
9						
10						
11						
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Photos of Public Consultations at Khetri town on dated 24.07.2024



Attendance Sheet of Public Consultation at Khetri town on dated 24.07.2024

RUIDP
A UNIT OF RUIDSACO

Construction Management & Supervision Consultancy CMSC-01
Consultation Sheet

Project town: Khetri Venue: Ganesh Rao Date: 24.07.2024 Time: 10-30 AM

Issues: 1. Door de Door contact with community project work
2. Feed back from community status of Golmura Nagar
3. status of project at project work community site

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	सुलाक देवी		✓		9820536660	—
2	नीला देवी				9660284444	
3	जोषित कुमार	✓			9799150354	Moh
4	अरवि	✓			774294067	3044
5	किलाल शोध	✓				
6	पद्माक्षि	✓			844051515	Lm10
7	इमरान खान	✓			978596235	2414
8	बलराम				7737529741	2414
9	शान्तराम				702834245	
10	पुनेश्वर दानो				—	
11	सीतल				—	
12	दाम शान				—	
13						
14						
15						

Photos of Public Consultations at Ratangarh town on dated 22.07.2024**Attendance Sheet of Public Consultation at Ratangarh town on dated 22.07.2024**

PUBLIC CONSULTATION ATTENDANCE SHEET

PROJECT NAME: Sewerage Project, Ratangarh Date: 22/07/24
 Name: Phadiga Pong

S.NO	NAME	DESIGNATION	MOBILE NO.	SIGNATURE
01.	Jindanday		9413674624	Jindanday
02.	Vinod Kumar		9601010293	Vinod
03.	Ram chander		7577708723	Ram chander
04.	Harind Ji		9414776294	Harind Ji
05.	Harjodhar		6350657744	Harjodhar
06.	Kalu Ji		9362813024	Kalu Ji
07.	Pawan Ji Soni		9314812188	Pawan
08.	Laxmi Narayan		9928032785	Laxmi
09.	Pahlad Ji		9782222822	Pahlad Ji
10.	Basant Ji		9195237305	Basant
11.	Narayan Pahal		9100987231	Narayan Pahal

Signature: _____
22/07/2024



Environmental Monitoring Report

PUBLIC

Semestral Report: April 2024 – September 2024
December 2024

India: Rajasthan Secondary Towns Development Sector Project

Part 2 of 4: Appendix 1(Continued) and Appendix 2 - 6

Prepared by Rajasthan Urban Drinking Water Sewerage and Infrastructure Corporation Limited,
Government of Rajasthan for the Asian Development Bank (ADB).

Asian Development Bank

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Photos of Public Consultations at Ladnu town on dated 13.08.2024



Attendance Sheet of Public Consultation at Ladnu town on dated 13.08.2024

RUIDP
(A UNIT OF RUSTDCS)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation
Attendance Sheet

Place: Ladnu Date: 13/08/2024/17/08/2024

Topic/Issues Discussed: Consultation with Affected Persons and Local Persons benefit of Sewerage work and Growth RUIDP work Ladnu Town.

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	अमरक जाट	✓		Local Person		
2	अनील जाट	✓		Local Person		
3	गणेश कुमार	✓		Local Person	9875181222	
4	राहुल	✓		Local Person		
5	मनीष	✓		Local Person		
6	सुभाष	✓		Local Person		
7	पुष्पा		✓	APJ	914633801	
8	शीला देवी		✓	APJ	9635277037	
9	प्रेम		✓	APJ	9414736047	
10	पद्मा देवी		✓	APJ		
11	राजेश्वरी		✓	APJ		
12	अनाम	✓		APJ		
13	पारस जाट	✓		APJ		
14	सुनील	✓		APJ		
15	जगदीश	✓		APJ		

Handwritten Signature
Social Safeguard Support Staff
CMSC-01, Ladnu

Photos of Public Consultations at Makrana town on dated 02.08.2024**Attendance Sheet of Public Consultation at Makrana town on dated 02.08.2024**

RUIDP
Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation

Attendance Sheet

Date: Indubhaya Nagar, Gwalior, Madhya Pradesh, 02-08-2024

Topic/Issue Discussed: Public Consultation regarding Sewerage Connection Issue and the work related to Sewerage line was satisfied for Sewerage Connection.

S.N.	Name	Gender M F	Occupation	Mobile No.	Signature
1	Muhammad Sahib	✓	House Hold.	7257517751	अहमद
2	Abi Ishaq	✓	House Hold.	7022882001	अभि
3	Abdul Haiz	✓	House Hold.	9261814825	अब्दुल
4	Ramzan Ishaq	✓	House Hold.	9413518734	रमज़ान
5	Fayaz Ali	✓	— / —	6378731303	फ़ायज़
6	Muhammad Salim	✓	— / —	9251307040	मोहम्मद
7	Muhammad Hanif	✓	— / —	9252210301	अहमद
8	Salma				सलीमा
9	Pamveen				पमवीन
10	Saniya				Saniya

22/08/2024

Photos of Public Consultations at Makrana town on dated 31.08.2024



Attendance Sheet of Public Consultation at Makrana town on dated 31.08.2024

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation
 Attendance Sheet

Place: Palada Road, Bologichmy, Gramapanchayat, 31-28-2024
 Date: 31-08-2024
 Topic/Issues Discussed: Public Consultation regarding new sewer connection issue and explained about the sewer lines and connection of RUIDP and assurance was given. Completed

S. No.	Name	Gender M F	Occupation	Mobile No.	Signature
1	Ajay	✓	House Hold	7576637630	Ajay
2	Ashwin	✓	House Hold	8082114782	Ashwin
3	Tarun Bansal	✓	House Hold	9521218695	Tarun
4	Bhimraj	✓	House Hold	9119391100	Bhimraj
5	Omprakash	✓	House Hold	6350301315	Omprakash
6	Mulzan Asara	✓	House Hold		Mulzan
7	Rashid Khan	✓	House Hold		Rashid
8	Jamil Khan	✓	House Hold		Jamil
9					
10					

24/08/24

Photos of Public Consultations at Khetri town on dated 30.08.2024



Attendance Sheet of Public Consultation at Khetri town on dated 30.08.2024

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUDSIDO Consultation Sheet

Project town: - Khetri Venue: - Wponya Wm Date: - 30.08/2024 Time: - 10:30
Issues: - 1. Door to door Contact with Community, take feedback
2. RUIDP Work, Benefits of discharge, Current and New
3. Water line corner, water connection.

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	मोहन लाल	✓		होमगार्ड	963620990	<i>[Signature]</i>
2	सैन् देवी		✓	"	963620117	<i>[Signature]</i>
3	पुष्पा देवी		✓	"	979990000	-
4	गोपाल राम	✓		"	789112294	<i>[Signature]</i>
5	रविवर प्रसाद	✓		"	9929111747	-
6	प्रदिप देवी		✓	"	9929111905	<i>[Signature]</i>
7	राजेंद्र कुमार	✓		मजदूर/लैबोर	97722298	-
8	सरोज देवी		✓	"	97722298	-
9	जगदीश कुमार		✓	"	963620990	-
10	जगदीश कुमार	✓		मजदूर/लैबोर	8106040307	<i>[Signature]</i>
11	हरि प्रसाद मिश्रा	✓		"	93514574	-
12	लाल सैन	✓		"	963609805	<i>[Signature]</i>
13						
14						
15						

Photos of Public Consultations at Ratangarh town on dated 24.08.2024



Attendance Sheet of Public Consultation at Ratangarh town on dated 24.08.2024

PUBLIC CONSULTATION

Name of Person: Ugrasen Kumar, Environment Safeguard Support, RSTDP, Ratangarh

Town: Ratangarh, Jaipur, Project

Place: Ratangarh, Jaipur, Project

Date: 24/08/2024

S.no	Name	Contact no.	Issues Discussed	Signature
01.	Ram chand	6350627735	work of RSTDP 2. UST	रामचंद्र
02.	Shankar Lal	8636607243	"	शंकर
03.	Kamal Kumar	9784004584	"	कमल
04.	Kiran Kumar	3784345410	work of RSTDP 2. UST	किरण
05.	Yogesh	3382307711	"	योगेश
06.	Ram Kumar	8636607243	"	राम कुमार
07.	Vinod Kumar	7787332201	work of RSTDP 2. UST	विनोद
08.	Ompal Singh	9828491803	"	ओम्पाल
09.	Rajesh	6350627735	"	राजेश

Ugrasen Kumar

Photos of Public Consultations at Khetri town on dated 26.09.2024



Attendance Sheet of Public Consultation at Khetri town on dated 26.09.2024

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUDSICO
Consultation Sheet

Project town: - Khetri Venue: - FSCSI/Community date: - 26.09.2024 Time: - 10.30 AM

Issues: - 1. Interim report FSCSI 2. Budget of RUIDP project work
3. New water connection 4. Water connection
5. Land use map 6.

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	प्रमोद सिंह	✓		रजनीश निधी	9044210240	Pradeep
2	सुरेश	✓		1	90232712077	सुरेश
3	महेन्द्र सिंह	✓		1	9309412999	महेन्द्र
4	वदन		✓	1		1
5	विजय शर्मा		✓	1		1
6	राज सिंह	✓		2	797012560	राज सिंह
7	नाथ प्रमोद सिंह	✓		1	966407933	नाथ
8	त्रिलोक	✓		1		1
9	विजय सिंह	✓		1	9044210240	विजय
10						
11						
12						
13						
14						
15						

Photos of Public Consultations at Ladnu town on dated 02.09.2024

Attendance Sheet of Public Consultation at Ladnu town on dated 02.09.2024

RUIDP
(A Unit of RUOSCO)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Door To Door Consultation
Attendance Sheet

Place: Ladnu Date: 02/09/24, 18/09/24
Topic/Issues Discussed: _____

Consultation with Affected persons and local Public benefits of Sewerage works and Support RUIDP work. Ashwin, town.

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	रुडान	✓		Local Public	9828291502	रुडान
2	पवन	✓		"	9106497845	पवन
3	मीन अनी	✓		"	9352454752	मीन
4	जागु खाँ	✓		"	978254429	जागु खाँ
5	राम देवी		✓	"	—	—
6	पुजा		✓	Affected person	9649156388	पुजा
7	भक्त लाल	✓		"	9628579544	—
8	कनाराम पांखी	✓		"	7568545963	—
9	रामलाली		✓	"	8107477138	—
10	गहबूर	✓		"	9887183526	गहबूर
11	मंजू देवी		✓	"	9677692071	मंजू देवी
12	किशनाराज	✓		"	7878720239	—
13	फिरोज	✓		—	—	फिरोज
14	सुनीता		✓	—	7665603864	सुनीता
15	गंगा देवी		✓	—	9772897566	गंगा देवी

Navin
Social Safeguard Support Staff
CMSC-01, Ladnu

Photos of Public Consultations at Makrana town on dated 25.09.2024



Attendance Sheet of Public Consultation at Makrana town on dated 25.09.2024

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation
 Attendance Sheet

Place: Balakrishna Nagar, Makrana Date: 25-09-2024

Topic/Issues Discussed: The work related to sewerage line was discussed in the community and the community was satisfied for sewer connection.

S. No.	Name	Gender	Occupation	Mobile No.	Signature
		M	F		
1.	Rahmat	✓	Household	7014182433	Rahmat
2.	Saved	✓	— / —	9724607596	Saved
3.	Isdomuddin	✓	— / —	9166119737	Isdomuddin
4.	Abdul	✓	— / —	6378538403	Abdul
5.	Ishtaq Khan	✓	— / —	7726307773	Ishtaq Khan
6.	Muskan Singh	✓	— / —		Muskan
7.	Rehmat Khan	✓	— / —		Rehmat
8.					
9.					
10.					

msd Singh
 social safeguard

Photos of Public Consultations at Makrana town on dated 27.09.2024



Attendance Sheet of Public Consultation at Makrana town on dated 27.09.2024

RUIDP
Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-03)

Activity: Consultation

Attendance Sheet

Place: G-43327 Colony, Gumanoli Date: 27-09-2024

Topic/Issues Discussed: Community mobilization about SEMR/CMSC consultation and Handicrafting work.

S.N.	Name	Gender		Occupation	Mobile No.	Signature
		M	F			
1	Chana Ram	✓		Household	9950156143	[Signature]
2	Manoj Kumar	✓		—/—	6377773471	[Signature]
3	Munni Devi		✓	—/—	8503012148	[Signature]
4	Choti Devi		✓	—/—		[Signature]
5	Ramswami Saini	✓		—/—	9073967606	[Signature]
6	Normal	✓		—/—	9676004079	Normal
7	Ganesh Rajawat	✓		—/—	7014521178	Ganesh
8						
9						
10						

no. 12/2022
Social Safeguards

Photos of Public Consultations at Ratangarh town on dated 26.09.2024



Attendance Sheet of Public Consultation at Ratangarh town on dated 26.09.2024

Government of Rajasthan
Office of The Superintending Engineer
Rajasthan Urban Infrastructure Development Project
Project Implementation Unit (RSTDIP, Ph-IV), Ratangarh
(E-3 Block, Sangam Vihar Colony, Balasore Road, Ratangarh, Churu)
TEL: 01567-294440 Email: rta.noida@rajasthan.gov.in
S.No./RUIDP/PIU/KTO/2024-25/

150
Anniversary
1974-2024

Date: -

Attendance Sheet

S.No.	Name	Department	Designation	Sign
1-	सुनील कुमार	महानगरपालिका	असिस्टन्ट कमिश्नर	[Signature]
2-	R.D. GARG	RUIDP	EP	[Signature]
3-	OP. Bhatnagar	RUIDP	PFM	[Signature]
4-	Surender Kumar	RUIDP	TE	[Signature]
5-	P. K. Jha	CMSC	ACM	[Signature]
6-	Ujjwal Kumar	CMSC	ES	[Signature]
7-	Praveen Singh	A-50	CAPP	[Signature]
8-	Praveen Kumar	PM L&T	Project Manager	[Signature]
9-	Chhota Ram Singh	Go to T	S&T	[Signature]
10-	मोहम्मद	forming	Kisan	[Signature]
11-	नारायण प्रसाद	forming	Kisan	[Signature]
12-	जीत प्रकाश	forming	Kisan	[Signature]
13-	जगदीश प्रसाद	forming	Kisan	[Signature]
14-	मिहारी लाल	forming	Kisan	[Signature]
15-	रमेश चन्द	forming	Kisan	[Signature]
16-	काका लाल	forming	Kisan	[Signature]
17-	बागरीका	forming	Kisan	[Signature]
18-	अकर दान	forming	Kisan	[Signature]
19-	श्री प्रतिभामा	forming	Kisan	[Signature]
20-	श्रीपल दान	forming	Kisan	[Signature]

APPENDIX 3: COPIES OF ENVIRONMENTAL CLEARANCES AND PERMITS**A. Details of Consent to Establish (CTEs) and Consent to Operate (CTOs) obtained during Reporting Period (April 2024 to September 2024).**

S.No.	Component and Town Name	Validity	Reported in which SEMR
1.	3.8 MLD STP at Johad, Ratangarh	CTO Issued and valid up to 31.08.2028	Reported in Pervious SEMR (April 2023 to September 2023)
2.	4.3 MLD STP at Naribari village road, Fatehpur	CTO Issued and valid up to 31.03.2028	Reported in Pervious SEMR (April 2023 to September 2023)
3.	31 KLD FSTP at Dausa	CTE Issued and valid up to 31.08.2028	Reported in Pervious SEMR (April 2023 to September 2023)
4.	5 MLD STP, Near Nehru Nagar, Sirohi	CTO obtained and valid from 28.06.2023 to 31.05.2028	Reported in Pervious SEMR (October 2023 to 2024)
5.	7 MLD, STP, Pratapgarh	CTO obtained and valid up to 31.08.2028	Reported in Pervious SEMR (October 2023 to March 2024)
6.	23 KLD FSTP, Bari	CTE obtained and valid from 23.11.2023 to 31.10.2028	Reported in Pervious SEMR (October 2023 to March 2024)
7.	12 KLD FSTP, village Pachpahaad, Jhalawar, Bhawani Mandi	CTE obtained and valid from 23.11.2023 to 31.10.2028	Reported in Pervious SEMR (October 2023 to March 2024)
8.	8 KLD FSTP, Gopalpura Village, Kanor	CTE obtained and valid from 19.01.2024 to 31.12.2028	Reported in Pervious SEMR (October 2023 to March 2024)
9.	15 KLD FSTP, Near old Chungi, Naka/Malipura Road Deeg	CTE obtained and valid from 02.01.2024 to 31.12.2028	Reported in Pervious SEMR (October 2023 to March 2024)
10.	4 KLD FSTP, Pratappura village, Jobner	CTE obtained and valid from 07.12.2023 to 30.11.2028	Reported in Pervious SEMR (October 2023 to March 2024)
11.	12 KLD FSTP, Ranasar Road Neem Ka Thana	CTE obtained and valid from 02.11.2023 to 31.10.2028	Reported in Pervious SEMR (October 2023 to March 2024)
12.	16 KLD FSTP Abaneri road, Bandikui	CTE obtained and valid from 07.12.2023 to 30.11.2028	Reported in Pervious SEMR (October 2023 to March 2024)
13.	12 KLD FSTP, village Elaka, Tijara	CTE obtained and valid from 09.01.2024 to 31.12.2028	Reported in Pervious SEMR (October 2023 to March 2024)
14.	12 KLD FSTP, Shahpura (Bhilwara)	CTE obtained and valid from 09.03.2024 to 28.02.2029	Reporting in Current SEMR (April 2024 to September 2024)
15.	5 KLD FSTP, Meluni Khara village, Shada tehsil, Gangapur (Bhilwara)	CTE obtained and valid from 18.01.2024 to 31.12.2028	Reporting in Current SEMR (April 2024 to September 2024)
16.	14 KLD FSTP, Lakhuwali Road at Kila number 16-20, Murabba number 21, Patthar number 26/313, PBN Chak, Pilibanga	CTE obtained and valid from 09.03.2024 to 28.02.2029	Reporting in Current SEMR (April 2024 to September 2024)
17.	12 KLD FSTP, Shahpura (Jaipur)	CTE will be applied after Land allotment is done	Will be Reported in Upcoming SEMR (October 2024 to March 2025)
18.	6.9 MLD STP at Santpur, Abu Road	CTO applied for 6.9 MLD STP at Santpur, Abu Road on dated 28.06.2024 under water act and status pending at RSPCB	Will be Reported in Upcoming SEMR (October 2024 to March 2025)

19.	2.3 MLD STP at Manpur, Abu Road	CTO applied for 2.3 MLD STP at Manpur, Abu Road on dated 28.06.2024 under water act and status pending at RSPCB	Will be Reported in Upcoming SEMR (October 2024 to March 2025)
20.	3.9 MLD STP at Bissau Road, Mandawa	CTO applied for 3.9 MLD STP at Bissau Road, Mandawa on dated 23.08.2024 under water act and status pending at RSPCB	Will be Reported in Upcoming SEMR (October 2024 to March 2025)
21.	DG Set (160 KVA) at 3.8 MLD STP at Ratangarh	Applied for CTO of DG Set (160 KVA) at 3.8 MLD STP at Ratangarh on 02.09.2024 under air act and status pending at RSPCB.	Will be Reported in Upcoming SEMR (October 2024 to March 2025)
22.	625 KVA at Banswara STP plant applied under air act on dated 22.08.2024 and status pending at RSPCB.	Applied for CTE of DG Set (625 KVA) at 9.6 MLD STP Plant, Banswara under air act and status pending at RSPCB.	Will be Reported in Upcoming SEMR (October 2024 to March 2025)

B. Details of other permissions/NOCs

S.No.	Type of permission/NOCs and Town Name	Reported in which SEMR
1	Permission obtained for Railway crossing vide letter no. W/220/1 dated 18.02.2022 at Abu Road.	SEMR (April 2022 to September 2022)
2	Permission obtained for Railway crossing from Railway department vide letter no. 639/Pipe Xing/Km.323/8-9/RTGH/2021/12 dated 27.12.2021 at fatehpur.	SEMR (April 2022 to September 2022)
3	Demand Draft Deposited to PWD for Road cutting permission at Sirohi town & work started by contractor as advised by PWD.	SEMR (April 2022 to September 2022)
4	National Highway Crossing: Permission obtained at Pratapgarh for National Highway 113 crossing vide Letter No. no.RW/JA/RJ/PS/utility//2021/464/302-305 dated 29.04.2022 from Ministry of Road Transport & Highways	SEMR (April 2022 to September 2022)
5	Permission for National Highway 113 crossing at Banswara has been obtained vide letter no/ 2021/22/1006 dated 21.01.2022	SEMR (April 2022 to September 2022)
6	Permission obtained for SH crossing at Makrana town from PWD vide letter no. PIU/PPP /Laxmangarh/ MMB/Utility/21-22/D-601 dated 11.01.2022	SEMR (April 2022 to September 2022)
7.	Permission obtained for Railway crossing vide letter no. : NWR-JU-2022-WL-263 dated 24.9.2022 at Makrana.	SEMR (October 2022 to March 2023)

A. Details of Environmental clearances/permission issued in this reporting period**Consent to Establish (CTE) for 12 KLD FSTP, Shahpura (Bhilwara)**



Regional Office Bhilwara

Rajasthan State Pollution Control Board

18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001

Phone: 01482-241159

Registered



File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-673

Order No : 2024-2025/Bhilwara/10456 Dispatch Date: Jan 27 2024 7:05PM

Unit Id : 133611

M/s Fecal Sludge Treatment Plant

Khasra No. - 3189, Near Jahaipur Road, Shahpura ,

Shahpura Tehsil:Shahpura

District:SHAHPURA

Sub: Consent to Establish under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974.

Ref: Your application(s) for Consent to Establish dated 09/03/2024 and subsequent correspondence.

Sir,

Consent to Establish under the provisions of Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 (hereinafter to be referred as the Water Act) as amended to date and rules & the orders issued thereunder is hereby granted for your **Fecal Sludge Treatment Plant Shahpura plant** situated / proposed at Khasra No - 3189, Near Jahaipur Road, Shahpura Shahpura Tehsil:Shahpura District:SHAHPURA , Rajasthan under the provisions of the said Act(s). This consent is granted on the basis of examination of the information furnished by you in consent application(s) and the documents submitted therewith, subject to the following conditions:-

- 1 That this Consent to Establish is valid for a period from 09/03/2024 to 28/02/2029 or date of commencement of production / commissioning of the project or activities whichever is earlier.
- 2 That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below:

Particular	Type	Quantity / Capacity
Fecal Sludge Treatment Plant (FSTP)	Activity	12.00 KLD

- 3 That in case of any increase in capacity or addition / modification / alteration or change in product mix or process or raw material or fuel, the project proponent is required to obtain fresh consent to establish.
- 4 That the control equipment as proposed by the applicant shall be installed before trial operation is started for which prior consent to operate under the provision of the **Water Act** shall be obtained. This consent to establish shall not be treated as consent to operate.

Page 1 of 10

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Date: 2024.01.19 05:30 IST
Reason: Self Attested
Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
 Phone: 01482-241159

Registered

File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-672

Order No : 2024-2025/Bhilwara/10456

Dispatch Date: Jun 27 2024 7:05PM

Unit Id : 133611

- 5 I. The total project cost shall not exceed to Rs. 3.51/- Crore which includes the cost of design and drawings ,Building and civil work , Plant & Machinery, prov.sum except land (owned by Nagarpalika) ; accordingly unit has remitted Consent to establish fee of Rs 21000/- under Water Act,1974 (Slab->2 Crore to 5Crore) as per notification dated 26.05.2016.
- II. That this consent is issued in light of :-
- The Copy of EO,Municipal Board , Shahpura letter related to hand over of site area (25 meter x21-525 sqaure meter) bearing khasara no.3189 (total area-525 Square meter allotted out of 2.1200 hectare),Villlge- Shahpura, Tehsil & District-Shahpura for FSTP establishment purpose as per CM Budget announcement year 2022-23.
 - Copy of online khata nakal and online bhu naksha
- III. That this consent is only valid for establishment of FSTP-12 KLD only.
- IV. That unit shall submit followings within 15 days or at the time of consent to operate application whichever is earlier :-
- Proposal and status of house hold connection /sewer line and connection for collection of sewage.
 - Mode of sewage collection.
 - Stack, Fuel and PCM with Bio char pyrolyser unit (if proposed to be install).
- V. That following machinery shall be allowed for establishment for project as per plant and machinery list /project report/feasibility report :-
- Pre treatment unit for organic and floating garbage-01
 - Stabilization reactor -01
 - Multidisc Dewatering unit
 - Sludge dryer by electric hot sludge dryer
 - MBBR Unit
 - Tertiary Treatment by DMF,ACF and UV.
 - Reuse of treated water for gardening and cleaning purpose.
 - And as per project cost included in Plant and machinery head under project report.
- VI. This consent is not valid for any activity which attracts Environmental Clearance under EIA Notification dated 14.9.2006.
- VII. That the FSTP Unit shall obtain Environmental Clearance from competent authority under EIA Notification dated 14.9.2006 for any such activity which attracts Environmental Clearance under EIA Notification dated 14.9.2006.
- VIII. That the Unit shall comply with the standards as prescribed vide MOEF notification No. GSR 826(E) dated 16th November, 2009 with respect to National Ambient Air Quality Standards.

Page 2 of 10

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 Date: 2024.06.27 19:05:36 IST
 Reason: Self Attested
 Location:





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Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
 Phone: 01482-241159

Registered

File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-672

Order No : 2024-2025/Bhilwara/10456

Dispatch Date: Jun 27 2024 7:05PM

Unit Id : 133611

- IX. That no DG set is allowed with this consent, Unit shall apply for prior consent to establish /operate for D.G.Set as Back up device during power failure -if applicable.
- 6 1. That no treated/untreated effluent shall be discharged into any water body and entire treated sewage shall be utilized in plantation/horticulture/ other gainful purposes.
2. That the sludge will be properly digested, de-watered and used as manure or disposed in a scientific manner.
3. That the unit shall undertake spray of insecticides from time to time to control fly/mosquito growth in the area.
4. That the unit shall undertake plantation in two rows of suitable species all along the periphery of the site of the FSTP to control foul smell.
5. That above stated effluent standards are subject to the Hon'ble NGT order dated 30/4/2019 in matter of O.A. no 1069/2018 Nitin Shankar Deshpande Vs Union of India and Ors.
6. That adequate measures shall be taken to avoid foul odour during treatment and disposal of sewage and sludge.
7. A network of pipelines should be laid from the treated sewage collection tank to fields for utilization.
8. That to achieve the prescribed standards of the consent order, adequate arrangement for pollution control shall have to be provided, maintained and operated all the time whenever the process/plant is in operation.
9. The power supply to all the pollution control measure/system shall be measured by separate power meters and separate log book shall be maintained for recording running hours of PCM, consumption of power, chemicals, every eight hours. The log books/records are to be shown to the officials of the Board during inspection or as and when asked for.
10. That the occupier shall make appropriate arrangement for interlocking the pollution control devices with D.G. set so that in the event of power failure the pollution control arrangements may remain in operation while the plant is being operated on the D.G.

Page 3 of 10

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 Reason: SelfAttested
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Regional Office Bhilwara
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File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-672

Order No : 2024-2025/Bhilwara/10456

Dispatch Date: Jun 27 2024 7:05PM

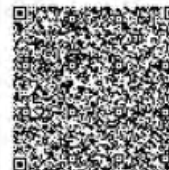
Unit Id : 133611

- 7 1. That the power supply to the production/process shall be so interlocked with the pollution control equipments that in the event of none functioning of the pollution control equipment, the production process stops automatically.
2. That the FSTP Unit shall submit compliance of the consent conditions along with analysis reports of the stack emissions/ambient air quality. The compliance report along with analysis report of the samples will be submitted to the Head Office of the Board at Jaipur and also concerned Regional Office of the Board office soon after it is carried out. For this, the paid sampling & analysis facilities with the Board can be availed.
3. That the FSTP Unit shall comply with the provisions of Hazardous Waste (Management & Handling) Rules, 1989 and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Battery Rules (Management & Handling) Rules 2001, amended to date as notified under Environment (Protection) Act 1986 (if applicable).
4. That the management shall obtain and maintain valid insurance policy coverage under Public Liability Insurance Act (PLIA) and submit its copy to the Board every year (if applicable).
5. That Occupier shall ensure compliance of recommendations of Corporate Responsibility for Environment Protection (CREP) issued by Central Pollution Control Board (CPCB) for certain specific kind of industries (if applicable).
6. That the Occupier shall submit Environmental Statement every year in the month of September for the period April to March of the previous financial year. 10. That the management shall maintain good house keeping in the plant.
7. That 33% of the total area of factory premises shall be covered by the tree plantations. This area under plantation will be calculated as per circular No. F.14 (40) RPCB/Plg/Policy/5804-5825 dated 15.7.2004.
8. That no Single Use Plastic (SUP) item, which is banned vide Ministry of Environment, Forest and Climate Change (MOEF & CC), Government of India notification dated 12.08.2021 shall be used in the FSTP Unit/unit premises.
9. That the FSTP Unit shall ensure that noise from the unit does not exceed the prescribed noise standards for industrial areas, the permissible limit is 75 dB for daytime and 70 dB at night. In commercial areas, it is 65 dB and 55 dB while in residential areas it is 55 dB and 45 dB during daytime and night respectively.
10. That the dewatered sludge will be dried in driers and will be converted in to bio-char/bio-solids after pyrolysis in pyrolyzer.
11. That the bio-char/bio-solids will be used as manure/fertilizer. E. That the unit shall undertake spray of insecticides from time to time to control fly/mosquito growth in the area.

Page 4 of 10

Signature Not Verified

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 Date: 2024.06.27 19:05:36 IST
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 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
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 Phone: 01482-241159

Registered

File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-672

Order No : 2024-2025/Bhilwara/10456

Dispatch Date: Jun 27 2024 7:05PM

Unit Id : 133611

12. That the unit shall undertake plantation in two rows of suitable species all along the periphery of the site of the FSTP to control foul smell.
 13. That the domestic sewage shall be treated before disposal so as to conform to the standards prescribed by the Board as notified under the Environment (Protection) Act-1986/CPCB for disposal Into Inland Surface Water. The main parameters for regular monitoring shall be as under: pH Value Between 5.5 to 9.0/ Phosphate as P Not to exceed 1.0 mg/l /Biochemical Oxygen Demand (3 days at 27C) Not to exceed 10 mg/l /Chemical Oxygen Demand Not to exceed 50 mg/l/ Fecal Coliform not to exceed 100 MPN/100 ml N total 10 mg/l Total Suspended Solids Not to exceed 20 mg/l.
- 8 I. That total water consumption shall not exceed 3.0 KLD.
- II. That unit shall not abstract ground water without NOC from CGWA /exemption letter from CGWA as per applicability.
 - III. That unit shall provide water meter at source.
 - IV. That unit shall comply with the provisions of the Solid Waste Management Rules,2016 as per applicability .
 - V. That the unit shall not be allowed disposing any solid waste on land inside or outside the premises.
 - VI. That the entire treated sewage (12 KLD)shall be shall dispose in scientific manner through gardening /landscaping /gainfull utilization to avoid water pollution in and around the area.
 - VII. That the unit shall maintain zero discharge status outside the premises.
 - VIII. That the FSTP Unit shall provide the Oil & Grease trap in good condition, so that oil & grease coming with waste water from activities etc in the unit will retained in the trap.
 - IX. That the unit shall not allow making any obstacles to any natural water flow i.e. natural nallah/stream carrying rain water to any water body.
 - X. That the water flow meters shall be provided at all suitable points to measure quantity of daily water consumption, trade effluent & domestic waste water generation, treated waste water recycled and utilized for plantation/gardening purposes. Daily record of the same shall be maintained and to be submitted to the Board.

Page 5 of 10

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Regional Office Bhilwara
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File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-672

Order No : 2024-2025/Bhilwara/10456

Dispatch Date: Jun 27 2024 7:05PM

Unit Id : 133611

- 9 I. FSTP Unit shall not allow to install any additional Water /air pollution source etc except allowed under this consent without prior permission of the Board under the Water Act,1974 and Air Act 1981.
- II. That FSTP unit shall provide adequate stack height and PCM as wet scrubber etc. with Bio char pyrolyser.
- III. The FSTP Unit shall not use pet coke and F.O. or any other such fuel which is banned by Hon'ble Supreme Court of India or any other Court of Law or Government of Rajasthan.
- IV. That unit shall comply with the directions mentioned in CPCB Guidelines,May ,2008 for Odour pollution and its control with respect to each point/diffused sources as per applicability.
- V. That the FSTP Unit shall ensure necessary steps for effective implementation of guidelines for ensuring health and safety of employees carrying out Stack Monitoring in industries or other places issued by the State Board vide order dated 09.03.2023 (Source : RSPCB HQ Office order - F 14(5)Admn./RSPCB/ Project/ 2654-2710 Dated 23.11.2023)
- VI. That unit shall comply with RSPCB HQ office order related to merging of different consent for same premises and product in accordance with conditions mentioned therein (Source : RSPCB HQ Office order - F 14(5)Admn./RSPCB/ Project/1986-1991 Dated 24.09.2023).

Page 6 of 10

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Regional Office Bhilwara
Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001

Phone: 01482-241159

Registered

File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-672

Order No : 2024-2025/Bhilwara/10456

Dispatch Date: Jun 27 2024 7:05PM

Unit Id : 133611

10 I. A high standard of housekeeping should be maintained.

II. Minimum 33% of the land on which FSTP Unit is operating should be covered by plantation. At least two rows of tall trees of suitable species be planted along the boundary on all the sides. An additional row of shrubs shall also be preferable.

III. That FSTP Unit shall furnish yearly compliance reports to this office about the compliance of above conditions.

IV. That FSTP Unit shall conduct the fugitive emission monitoring of unit through a laboratory recognized by the MOEF, GOI and submit the analysis reports on yearly basis to State Board.

V. That no discharge of trade effluent shall be made within or outside the premises. The domestic effluent shall be disposed of through soak pit / septic tank.

VI. That the FSTP Unit shall be apply for renewal of consent to operate at least before four month of expiry of consent to operate.

VII. That the FSTP Unit shall operate and maintain pollution control measures so as to achieve the standards prescribed under EP Act, 1986.

VIII. The applicant/FSTP Unit/Process/Project shall have to comply with the provisions of Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986 and the standards prescribed there under along with the general guidelines and/or direction issued by the Central Pollution Control Board or the Rajasthan State Pollution Control Board from time to time.

IX. That no ground water shall be abstracted without prior approval/permission of Central Ground Water Authority.

X. That the FSTP Unit shall ensure that noise from the unit does not exceed the prescribed noise standards.

XI. That suitable measures for rain water harvesting for artificial recharge of ground water shall be taken.

XII. A Sign Board showing the name, address and capacity of the FSTP Unit as well as validity of the consent should be displayed at the entrance of the site.

XIII. That the direction of Hon'ble Rajasthan High Court and Hon'ble National Green Tribunal (NGT) issued from time to time in the matter of pollution from these type of units (if any) shall be complied with by the FSTP Unit.

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 Date: 2024.06.27 19:05:36 IST
 Reason: Self Attested
 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001

Phone: 01482-241159

Registered

File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-672

Order No : 2024-2025/Bhilwara/10456

Dispatch Date: Jun 27 2024 7:05PM

Unit Id : 133611

- 11 I. That if emissions after monitoring from competent authority if required, found to be discharged in excess of the standards prescribed shall make the FSTP Unit liable for legal action under section 43 of the Water Act, 1974 and section 37 of the Air Act, 1981.
- II. It shall be responsibility of the applicant and/or owner of land to ensure that the land use and installation of unit within said land confirms the appropriate conversion for the intended purpose.
- III. That the grant of this consent does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with the conditions laid down in all other laws for the time-being in force rests with the FSTP Unit/ unit/ project proponent.
- IV. That this consent is issued to the unit on the basis of documents submitted by the applicant, if any discrepancies is found in the documents/ facts submitted by the unit then this acknowledgement shall be treated as revoked without any further notice and the unit shall be liable for action in accordance with provisions of law.
- V. That this consent is liable to be revoked, if any complaint regarding Pollution is received and found correct after verification and in case Unit fails to comply with the Guidelines & Specific Conditions laid down by the State Board as and when applicable for the abatement of pollution.
- VI. That the FSTP Unit shall not add/increase/expand/alter/modify/change/replace in capacity & size of Plant/Production Capacity/Project Cost/Plant and machinery/Process/Water Consumption quantity/Waste Water generation quantity (if any) without obtaining prior consent to establish/operate from the State Board.
- VII. That the issue of this consent does not bestow any legal right. The FSTP Unit is required to seek requisite clearance/license/permit/NOC required under statutory obligation stipulated under the laws of central government/state government/court orders.
- VIII. Issuance of this consent would be subject to post audit of pollution control Measures (PCMs) and Consent conditions. In case, it is found during post inspection, the industries have flouted conditions of the this Consent / or inadequate PCM, this Consent will be revoked and directions for closure will be issued under section 33A of the Water Act, 1974 & under section 31A of the Air Act, 1981 without any further notice in accordance to RSPCB Head office order F.12(PSC-1)/RSPCB/PSC/17 to 52 Dated 03.05.2016.

Page 8 of 10

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 Date: 2024.06.27 19:05:36 IST
 Reason: Self Attested
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Regional Office Bhilwara
Rajasthan State Pollution Control Board
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File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-672

Order No : 2024-2025/Bhilwara/10456

Dispatch Date: Jun 27 2024 7:05PM

Unit Id : 133611

- 12 That, notwithstanding anything provided hereinabove, the State Board shall have the power and reserves its right, as contained **Section 27(2) of the Water Act** to review anyone or all of the conditions imposed here in above and to make such variation as it deems fit for the purpose of compliance of the **Water Act**.
- 13 That the grant of this **Consent to Establish** is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.
- 14 That the grant of this **Consent to Establish** shall not, in any way, adversely affect or jeopardize the legal proceedings, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.

This **Consent to Establish** shall also be subject, besides the aforesaid specific conditions, to the general conditions given in the enclosed Annexure. The project proponent will comply with the provisions of the **Water Act** and to such other conditions as may, from time to time, be specified by the State Board under the provisions of the aforesaid Act(s). Please note that, non compliance of any of the above stated conditions would tantamount to revocation of **Consent to Establish** and project proponent / occupier shall be liable for legal action under the relevant provisions of the said Act(s).

Yours sincerely,

Regional Officer[Bhilwara]

(A): **Copy to:-**

1 Master File.

Page 9 of 10

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 Date: 2024.06.27 19:05:36 IST
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Rajasthan State Pollution Control Board
18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
Phone: 01482-241159

Registered

File No : F(Tech)/SHAHPURA(Shahpura)/2003(1)/2024-2025/671-672

Order No : 2024-2025/Bhilwara/10456

Dispatch Date: Jun 27 2024 7:05PM

Unit Id : 133611

Regional Officer[Bhilwara]

Page 10 of 10

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Date: 2024.06.27 19:05:36 IST
Reason: Self Attested
Location:



Consent to Establish (CTE) for 5 KLD FSTP, Gangapur (Bhilwara)

Regional Office Bhilwara
Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
 Phone: 01482-241159



Registered

File No : F(Tech)/Bhilwara(Mandal)/6910(1)/2024-2025/555-556

Order No : 2024-2025/Bhilwara/10429

Dispatch Date: Jun 12 2024 6:57PM

Unit Id : 132165

M/s Feecal Sludge Treatment Plant

Khasra No.- 2328, Meluni Khera, Village -Shada,
 Tehsil - Gangapur, Bhilwara, Rajasthan, India, Pin
 Code - 311801, ShadaGangapur Tehsil:Mandal
 District:Bhilwara

Sub: **Consent to Establish** under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974.

Ref: Your application(s) for Consent to Establish dated 18/01/2024 and subsequent correspondence.

Sir,

Consent to Establish under the provisions of Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 (hereinafter to be referred as the Water Act) as amended to date and rules & the orders issued thereunder **is hereby granted** for your **Feecal Sludge Treatment Plant plant** situated / proposed at **Khasra No- 2328, Meluni Khera, Village -Shada, Gangapur Shada Gangapur Tehsil:Mandal District:Bhilwara**, Rajasthan under the provisions of the said Act(s). This consent is granted on the basis of examination of the information furnished by you in consent application(s) and the documents submitted therewith, subject to the following conditions:-

- 1 That this Consent to Establish is valid for a period from **18/01/2024 to 31/12/2028 or date of commencement of production / commissioning of the project or activities whichever is earlier.**
- 2 That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below:

Particular	Type	Quantity / Capacity
FAECAL Sludge treatment plant (FSTP)	Service	5.00 KLD

- 3 That in case of any increase in capacity or addition / modification / alteration or change in product mix or process or raw material or fuel, the project proponent is required to obtain fresh consent to establish.
- 4 That the control equipment as proposed by the applicant shall be installed before trial operation is started for which prior consent to operate under the provision of the **Water Act** shall be obtained. This consent to establish shall not be treated as consent to operate.

Page 1 of 10

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Digitally signed by Vinay Katta
 Date: 2024.06.26 14:49:51 IST
 Reason: SelfAttested
 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
 Phone: 01482-241159

Registered

File No : F(Tech)/Bhilwara(Mandal)/6910(1)/2024-2025/555-556

Order No : 2024-2025/Bhilwara/10429

Dispatch Date: Jun 12 2024 6:57PM

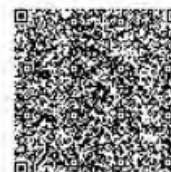
Unit Id : 132165

- 5 I. The total project cost shall not exceed to Rs 3.26 Crore which includes the cost of design and drawings ,Building and civil work , Plant & Machinery, prov.sum except land (owned by Nagarpalika) ; accordingly unit has remitted Consent to establish fee of Rs 21000/- under Water Act,1974 and Air Act,1981 (Slab->2 Crore to 5 Crore) as per notification dated 26.05.2016.
- II. That this consent is issued in light of :-
- The Copy of EO,Municipal Board , Gangapur letter related to hand over of site area (25 meter x21-525 square meter) bearing khasara no. 2328 (old -155/1) (total area-3000 Square meter allotted out of 1.83 hectare),Village- meluni Kheda , Gangapur, Tehsil-Sahada ,District-Bhilwara for FSTP establishment purpose as per CM Budget announcement year 2022-23.
 - Copy of online khata nakal and online bhu naksha
- III. That this consent is only valid for establishment of FSTP-5 KLD only.
- IV. That unit shall submit followings within 15 days or at the time of consent to operate application whichever is earlier :-
- Proposal and status of house hold connection /sewer line and connection for collection of sewage.
 - Mode of sewage collection.
 - Stack, Fuel and PCM with Bio char pyrolyser unit (if proposed to be install).
- V. That following machinery shall be allowed for establishment for project as per plant and machinery list /project report/feasibility report :-
- Pre treatment unit for organic and floating garbage-01
 - Stabilization reactor -01
 - Multidisc Dewatering unit
 - Dosing system for poly electrolyte
 - Sludge dryer by electric hot sludge dryer
 - MBBR Unit
 - Tertiary Treatment by DMF,ACF and UV.
 - Filter feed and Pressure sand filter /carbon filter/UV
 - Treated water tank and reuse system for gardening and cleaning purpose.
 - And as per project cost included in Plant and machinery head under project report.
- VI. This consent is not valid for any activity which attracts Environmental Clearance under EIA Notification dated 14.9.2006.
- VII. That the FSTP Unit shall obtain Environmental Clearance from competent authority under EIA Notification dated 14.9.2006 for any such activity which attracts Environmental Clearance under EIA Notification dated 14.9.2006.

Page 2 of 10.

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 Date: 2024.06.20 14:49:51 IST
 Reason: Self Attested
 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
 Phone: 01482-241159

Registered

File No : F(Tech)/Bhilwara(Mandal)/6910(1)/2024-2025/555-556

Order No : 2024-2025/Bhilwara/10429

Dispatch Date: Jun 12 2024 6:57PM

Unit Id : 132165

VIII. That the Unit shall comply with the standards as prescribed vide MOEF notification No. GSR 826(E) dated 16th November, 2009 with respect to National Ambient Air Quality Standards.

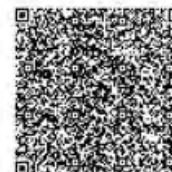
IX. That no DG set is allowed with this consent. Unit shall apply for prior consent to establish /operate for D.G.Set as Back up device during power failure -if applicable.

- 6 1. That no treated/untreated effluent shall be discharged into any water body and entire treated sewage shall be utilized in plantation/horticulture/ other gainful purposes.
2. That the sludge will be properly digested, de-watered and used as manure or disposed in a scientific manner.
3. That the unit shall undertake spray of insecticides from time to time to control fly/mosquito growth in the area.
4. That the unit shall undertake plantation in two rows of suitable species all along the periphery of the site of the FSTP to control foul smell.
5. That above stated effluent standards are subject to the Hon'ble NGT order dated 30/4/2019 in matter of O.A. no 1069/2018 Nitin Shankar Deshpande Vs Union of India and Ors.
6. That adequate measures shall be taken to avoid foul odour during treatment and disposal of sewage and sludge.
7. A network of pipelines should be laid from the treated sewage collection tank to fields for utilization.
8. That to achieve the prescribed standards of the consent order, adequate arrangement for pollution control shall have to be provided, maintained and operated all the time whenever the process/plant is in operation.
9. The power supply to all the pollution control measure/system shall be measured by separate power meters and separate log book shall be maintained for recording running hours of PCM, consumption of power, chemicals, every eight hours. The log books/records are to be shown to the officials of the Board during inspection or as and when asked for.
10. That the occupier shall make appropriate arrangement for interlocking the pollution control devices with D.G. set so that in the event of power failure the pollution control arrangements may remain in operation while the plant is being operated on the D.G.

Page 3 of 10

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 Date: 2024.06.25 14:49:51 IST
 Reason: Self Attested
 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
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 Phone: 01482-241159

Registered

File No : F(Tech)/Bhilwara(Mandal)/6910(1)/2024-2025/555-556

Order No : 2024-2025/Bhilwara/10429

Dispatch Date: Jun 12 2024 6:57PM

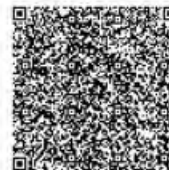
Unit Id : 132165

- 7 1. That the power supply to the production/process shall be so interlocked with the pollution control equipments that in the event of none functioning of the pollution control equipment, the production process stops automatically.
2. That the FSTP Unit shall submit compliance of the consent conditions along with analysis reports of the stack emissions/ambient air quality. The compliance report along with analysis report of the samples will be submitted to the Head Office of the Board at Jaipur and also concerned Regional Office of the Board office soon after it is carried out. For this, the paid sampling & analysis facilities with the Board can be availed.
3. That the FSTP Unit shall comply with the provisions of Hazardous Waste (Management & Handling) Rules, 1989 and Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Battery Rules (Management & Handling) Rules 2001, amended to date as notified under Environment (Protection) Act 1986 (if applicable).
4. That the management shall obtain and maintain valid insurance policy coverage under Public Liability Insurance Act (PLIA) and submit its copy to the Board every year (if applicable).
5. That Occupier shall ensure compliance of recommendations of Corporate Responsibility for Environment Protection (CREP) issued by Central Pollution Control Board (CPCB) for certain specific kind of industries (if applicable).
6. That the Occupier shall submit Environmental Statement every year in the month of September for the period April to March of the previous financial year. 10. That the management shall maintain good house keeping in the plant.
7. That 33% of the total area of factory premises shall be covered by the tree plantations. This area under plantation will be calculated as per circular No. F.14 (40) RPCB/Plg/Policy/5804-5825 dated 15.7.2004.
8. That no Single Use Plastic (SUP) item, which is banned vide Ministry of Environment, Forest and Climate Change (MOEF & CC), Government of India notification dated 12.08.2021 shall be used in the FSTP Unit/unit premises.
9. That the FSTP Unit shall ensure that noise from the unit does not exceed the prescribed noise standards for industrial areas, the permissible limit is 75 dB for daytime and 70 dB at night. In commercial areas, it is 65 dB and 55 dB while in residential areas it is 55 dB and 45 dB during daytime and night respectively
10. That the dewatered sludge will be dried in driers and will be converted in to bio-char/bio-solids after pyrolysis in pyrolyzer.
11. That the bio-char/bio-solids will be used as manure/fertilizer. E. That the unit shall undertake spray of insecticides from time to time to control fly/mosquito growth in the area.

Page 4 of 10

Signature Not Verified

Digitally signed by Vinay Katta
 Date: 2024.06.20 14:49:51 IST
 Reason: Self Attested
 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
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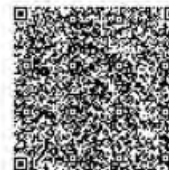
Unit Id : 132165

12. That the unit shall undertake plantation in two rows of suitable species all along the periphery of the site of the FSTP to control foul smell.
 13. That the domestic sewage shall be treated before disposal so as to conform to the standards prescribed by the Board as notified under the Environment (Protection) Act-1986/CPCB for disposal into Inland Surface Water. The main parameters for regular monitoring shall be as under: pH Value Between 5.5 to 9.0/ Phosphate as P Not to exceed 1.0 mg/l /Biochemical Oxygen Demand (3 days at 27C) Not to exceed 10 mg/l /Chemical Oxygen Demand Not to exceed 50 mg/l/ Fecal Coliform not to exceed 230 MPN/100 ml N total 10 mg/l Total Suspended Solids Not to exceed 20 mg/l.
- 8
- I. That total water consumption shall not exceed 5.0 KLD.
 - II. That unit shall not abstract ground water without NOC from CGWA /exemption letter from CGWA as per applicability.
 - III. That unit shall provide water meter at source.
 - IV. That unit shall comply with the provisions of the Solid Waste Management Rules, 2016 as per applicability.
 - V. That the unit shall not be allowed disposing any solid waste on land inside or outside the premises.
 - VI. That the entire treated sewage (20 KLD) shall be disposed in scientific manner through gardening /landscaping /gainfull utilization to avoid water pollution in and around the area.
 - VII. That the unit shall maintain zero discharge status outside the premises.
 - VIII. That the FSTP Unit shall provide the Oil & Grease trap in good condition, so that oil & grease coming with waste water from activities etc in the unit will be retained in the trap.
 - IX. That the unit shall not allow making any obstacles to any natural water flow i.e. natural nallah/stream carrying rain water to any water body.
 - X. That the water flow meters shall be provided at all suitable points to measure quantity of daily water consumption, trade effluent & domestic waste water generation, treated waste water recycled and utilized for plantation/gardening purposes. Daily record of the same shall be maintained and to be submitted to the Board.

Page 5 of 10

Signature Not Verified

Digitally signed by Vinay Katta
 Date: 2024.06.25 14:49:51 IST
 Reason: SelfAttested
 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
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File No : F(Tech)/Bhilwara(Mandal)/6910(1)/2024-2025/555-556

Order No : 2024-2025/Bhilwara/10429

Dispatch Date: Jun 12 2024 6:57PM

Unit Id : 132165

- 9 I. FSTP Unit shall not allow to install any additional Water /air pollution source etc except allowed under this consent without prior permission of the Board under the Water Act,1974 and Air Act 1981.
- II. That FSTP unit shall provide adequate stack height and PCM as wet scrubber etc. with Bio char pyrolyser.
- III. The FSTP Unit shall not use pet coke and F.O. or any other such fuel which is banned by Hon'ble Supreme Court of India or any other Court of Law or Government of Rajasthan.
- IV. That unit shall comply with the directions mentioned in CPCB Guidelines, May ,2008 for Odour pollution and its control with respect to each point/diffused sources as per applicability.
- V. That the FSTP Unit shall ensure necessary steps for effective implementation of guidelines for ensuring health and safety of employees carrying out Stack Monitoring in industries or other places issued by the State Board vide order dated 09.03.2023 (Source : RSPCB HQ Office order - F 14(5)Admn./RSPCB/ Project/ 2654-2710 Dated 23.11.2023)
- VI. That unit shall comply with RSPCB HQ office order related to merging of different consent for same premises and product in accordance with conditions mentioned therein (Source : RSPCB HQ Office order - F 14(5)Admn./RSPCB/ Project/1986-1991 Dated 24.09.2023)

Page 6 of 10

Signature Not Verified

Digitally signed by Vinay Katta
 Date: 2024.06.20 14:49:51 IST
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 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
 Phone: 01482-241159

Registered

File No : F(Tech)/Bhilwara(Mandal)/6910(1)/2024-2025/555-556

Order No : 2024-2025/Bhilwara/10429

Dispatch Date: Jun 12 2024 6:57PM

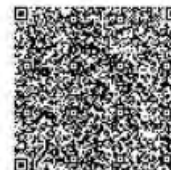
Unit Id : 132165

- 10 I. A high standard of housekeeping should be maintained.
- II. Minimum 33% of the land on which FSTP Unit is operating should be covered by plantation. At least two rows of tall trees of suitable species be planted along the boundary on all the sides. An additional row of shrubs shall also be preferable.
- III. That FSTP Unit shall furnish yearly compliance reports to this office about the compliance of above conditions.
- IV. That FSTP Unit shall conduct the fugitive emission monitoring of unit through a laboratory recognized by the MOEF, GOI and submit the analysis reports on yearly basis to State Board.
- V. That no discharge of trade effluent shall be made within or outside the premises. The domestic effluent shall be disposed of through soak pit /septic tank.
- VI. That the FSTP Unit shall be apply for renewal of consent to operate at least before four month of expiry of consent to operate.
- VII. That the FSTP Unit shall operate and maintain pollution control measures so as to achieve the standards prescribed under EP Act, 1986.
- VIII. The applicant/FSTP Unit/Process/Project shall have to comply with the provisions of Water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986 and the standards prescribed there under along with the general guidelines and/or direction issued by the Central Pollution Control Board or the Rajasthan State Pollution Control Board from time to time.
- IX. That no ground water shall be abstracted without prior approval/permission of Central Ground Water Authority.
- X. That the FSTP Unit shall ensure that noise from the unit does not exceed the prescribed noise standards.
- XI. That suitable measures for rain water harvesting for artificial recharge of ground water shall be taken.
- XII. A Sign Board showing the name, address and capacity of the FSTP Unit as well as validity of the consent should be displayed at the entrance of the site.
- XIII. That the direction of Hon'ble Rajasthan High Court and Hon'ble National Green Tribunal (NGT) issued from time to time in the matter of pollution from these type of units (if any) shall be complied with by the FSTP Unit.

Page 7 of 10

Signature Not Verified

Digitally signed by Vinay Katta
 Date: 2024.06.20 14:49:51 IST
 Reason: Self Attested
 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
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 Phone: 01482-241159

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File No : F(Tech)/Bhilwara(Mandal)/6910(1)/2024-2025/555-556

Order No : 2024-2025/Bhilwara/10429

Dispatch Date: Jun 12 2024 6:57PM

Unit Id : 132165

11 I. That if emissions after monitoring from competent authority if required, found to be discharged in excess of the standards prescribed shall make the FSTP Unit liable for legal action under section 43 of the Water Act, 1974 and section 37 of the Air Act, 1981.

II. It shall be responsibility of the applicant and/or owner of land to ensure that the land use and installation of unit within said land confirms the appropriate conversion for the intended purpose.

III. That the grant of this consent does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility to comply with the conditions laid down in all other laws for the time-being in force rests with the FSTP Unit/ unit/ project proponent.

IV. That this consent is issued to the unit on the basis of documents submitted by the applicant, if any discrepancies are found in the documents/ facts submitted by the unit then this acknowledgement shall be treated as revoked without any further notice and the unit shall be liable for action in accordance with provisions of law.

V. That this consent is liable to be revoked, if any complaint regarding Pollution is received and found correct after verification and in case Unit fails to comply with the Guidelines & Specific Conditions laid down by the State Board as and when applicable for the abatement of pollution.

VI. That the FSTP Unit shall not add/increase/expand/alter/modify/change/replace in capacity & size of Plant/Production Capacity/Project Cost/Plant and machinery/Process/Water Consumption quantity/Waste Water generation quantity (if any) without obtaining prior consent to establish/operate from the State Board.

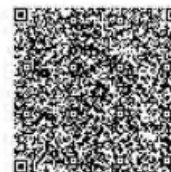
VII. That the issue of this consent does not bestow any legal right. The FSTP Unit is required to seek requisite clearance/license/permit/NOC required under statutory obligation stipulated under the laws of central government/state government/court orders.

VIII. Issuance of this consent would be subject to post audit of pollution control Measures (PCMs) and Consent conditions. In case, it is found during post inspection, the industries have flouted conditions of the this Consent / or inadequate PCM, this Consent will be revoked and directions for closure will be

Page 8 of 10

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 Date: 2024.06.26 14:49:51 IST
 Reason: Self Attested
 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
 18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
 Phone: 01482-241159

Registered

File No : F(Tech)/Bhilwara(Mandal)/6910(1)/2024-2025/555-556

Order No : 2024-2025/Bhilwara/10429

Dispatch Date: Jun 12 2024 6:57PM

Unit Id : 132165

issued under section 33A of the Water Act, 1974 & under section 31A of the Air Act, 1981 without any further notice in accordance to RSPCB Head office order F.12(PSC-1)/RSPCB/PSC/17 to 52 Dated 03.05.2016.

12 That, notwithstanding anything provided hereinabove, the State Board shall have the power and reserves its right, as contained **Section 27(2) of the Water Act** to review anyone or all of the conditions imposed here in above and to make such variation as it deems fit for the purpose of compliance of the **Water Act**.

13 That the grant of this **Consent to Establish** is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.

14 That the grant of this **Consent to Establish** shall not, in any way, adversely affect or jeopardize the legal proceedings, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.

This **Consent to Establish** shall also be subject, besides the aforesaid specific conditions, to the general conditions given in the enclosed Annexure. The project proponent will comply with the provisions of the **Water Act** and to such other conditions as may, from time to time, be specified by the State Board under the provisions of the aforesaid Act(s). Please note that, non compliance of any of the above stated conditions would tantamount to revocation of **Consent to Establish** and project proponent / occupier shall be liable for legal action under the relevant provisions of the said Act(s).

Yours sincerely,

Regional Officer[Bhilwara]

(A): **Copy to:-**

1 Master File.

Page 9 of 10

Signature Not Verified

Digitally signed by Vinay Katta
 Date: 2024.06.20 14:49:51 IST
 Reason: SelfAttested
 Location:





Regional Office Bhilwara
Rajasthan State Pollution Control Board
18, Azad Nagar, Near Pannadhai Circle, Bhilwara -311001
Phone: 01482-241159

Registered

File No : F(Tech)/Bhilwara(Mandal)/6910(1)/2024-2025/555-556

Order No : 2024-2025/Bhilwara/10429

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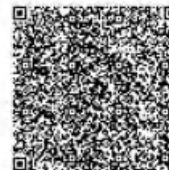
Unit Id : 132165

Regional Officer[Bhilwara]

Page 10 of 10

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Date: 2024.06.20 14:49:51 IST
Reason: Self Attested
Location:



Consent to Establish (CTE) for 14 KLD FSTP, Pilibanga – Suratgarh

Regional Office Hanumangarh
Rajasthan State Pollution Control Board
 Plot No 52, Sector 9/1, Hanumangarh Junction
 Phone: 7597455701

**Registered**

File No : F(Tech)/Hanumangarh(Pilibanga)/2112(1)/2024-2025/7679

Order No : 2024-2025/Hanumangarh/10046

Dispatch Date: Apr 15 2024 3:33PM

Unit Id : 133521

M/s Faecal Sludge Treatment Plant (Nagar Palika Pilibanga, Hanumangarh)

Khasra No. 35/33 ke PNO. 62/130 KE Kila No.

17,18,19, Pilibanga, Hanumangarh, Pilibanga

Tehsil: Pilibanga

District: Hanumangarh

Sub: Consent to Establish under Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974.

Ref: Your application(s) for Consent to Establish dated 09/03/2024 and subsequent correspondence.

Sir,

Consent to Establish under the provisions of Section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 (hereinafter to be referred as the Water Act) as amended to date and rules & the orders issued thereunder **is hereby granted** for your **Faecal Sludge Treatment Plant (Nagar Palika Pilibanga Hanumangarh) plant** situated / proposed at **Khasra No 35/33 ke PNO 62/130 KE Kila No 17,18,19, Pilibanga, Hanumangarh Pilibanga Tehsil Pilibanga District Hanumangarh**, Rajasthan under the provisions of the said Act(s). This consent is granted on the basis of examination of the information furnished by you in consent application(s) and the documents submitted therewith, subject to the following conditions:-

- 1 That this Consent to Establish is valid for a period from **09/03/2024 to 28/02/2029 or date of commencement of production / commissioning of the project or activities whichever is earlier.**
- 2 That this Consent is granted for manufacturing / producing following products / by products or carrying out the following activities or operation/processes or providing following services with capacities given below:

Particular	Type	Quantity / Capacity
FAECAL SLUDGE TREATMENT PLANT (FSTP)	Service	14.00 KLD

- 3 That in case of any increase in capacity or addition / modification / alteration or change in product mix or process or raw material or fuel, the project proponent is required to obtain fresh consent to establish.

Page 1 of 4

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Digitally signed by **Pratibha Singh**
 Date: 2024.04.15 15:33:46 IST
 Reason: SoftA signed
 Location:





Regional Office Hanumangarh
Rajasthan State Pollution Control Board
 Plot No 52, Sector 9/1, Hanumangarh Junction
 Phone: 7597455701

Registered

File No : F(Tech)/Hanumangarh(Pilibanga)/2112(1)/2024-2025/78-79

Order No : 2024-2025/Hanumangarh/10846

Dispatch Date: Apr 15 2024 3:33PM

Unit Id : 133521

- 4 That the control equipment as proposed by the applicant shall be installed before trial operation is started for which prior consent to operate under the provision of the **Water Act** shall be obtained. This consent to establish shall not be treated as consent to operate.
- 5 That the quantity of effluent generation and disposal along with mode of disposal for the treated effluent shall be as under:

Type of effluent	Max. effluent generation (KLD)	Quantity of effluent to be recycled (KLD)	Quantity of treated effluent to be disposed (KLD) and mode of disposal
Domestic Sewage	14.000	NIL	14.000 Gardening and Land Scaping

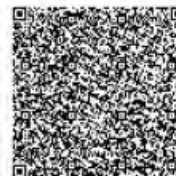
- 6 That the Domestic Sewage shall be treated before disposal so as to conform to the standards prescribed by the Board as notified under the Environment (Protection) Act-1986 for disposal **Into Inland Surface Water**. The main parameters for regular monitoring shall be as under:

Parameters	Standards
pH Value	Between 5.5 to 9.0
Phosphate as P	Not to exceed 1.0 mg/l
Biochemical Oxygen Demand (3 days at 27°C)	Not to exceed 10 mg/l
Chemical Oxygen Demand	Not to exceed 50 mg/l
Fecal Coliform	not to exceed 230 MPN/100 ml
N total	10 mg/l
Total Suspended Solids	Not to exceed 20 mg/l

Page 2 of 4

Signature Not Verified

Digitally signed by Bhalaram Siyag
 Date: 2024.04.15 16:33:46 IST
 Reason: SelfAttested
 Location:





Regional Office Hanumangarh
Rajasthan State Pollution Control Board
 Plot No 52, Sector 9/1, Hanumangarh Junction
 Phone: 7597455701

Registered

File No : F(Tech)/Hanumangarh(Pilibanga)/2112(1)/2024-2025/78-79

Order No : 2024-2025/Hanumangarh/10846

Dispatch Date: Apr 15 2024 3:33PM

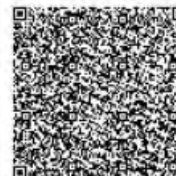
Unit Id : 133521

- 7 That this consent to establish is issued for establishment of faecal sewage treatment plant (FSTP) of capacity 14 KLD having capital investment of Rs.4.12/- Cr. Unit shall obtain separate consent for any increment in capacity or capital investment of plant
- 8 That no treated/untreated effluent shall be discharged into any water body and entire treated sewage shall be utilized in plantation/ horticulture/ other gainful purposes.
- 9 That the unit shall undertake spray of insecticides from time to time to control fly/mosquito growth in the area.
- 10 That the unit shall undertake plantation in two rows of suitable species all along the periphery of the site of the FSTP to control foul smell.
- 11 That efforts should be made to reuse the treated sewage to the maximum possible extent and minimize its discharge.
- 12 That adequate measures shall be taken to avoid foul odour during treatment and disposal of sewage and sludge.
- 13 That a sign Board showing the name, address and capacity of the FSTP shall be provided and maintained at the entrance of the site.
- 14 That grant of consent shall not absolve the project proponent from making compliance with other statutory obligations prescribed under any other law or directions of courts or any other instrument for the time being in force.
- 15 That this consent is being issued to the unit on the basis of documents submitted by the applicant, if any discrepancies are found in the document/facts submitted by the unit then the consent shall be treated as revoked without any further notice and the unit shall be liable for action in accordance with provisions of law.
- 16 That this consent shall not be used to ascertain land title. That the industry shall obtain Environmental Clearance from competent authority under EIA Notification dated 14.09.2006 for any such activity which attracts Environmental clearance under EIA Notification dated 14.09.2006.
- 17 That unit shall comply with the directions passed by any court of law.
- 18 That unit shall install flow meters at inlet and outlet of the treatment plant.
- 19 That the project proponent shall not install any air polluting source i.e. D.G. set without prior consent of State Board.
- 20 That, notwithstanding anything provided hereinabove, the State Board shall have the power and reserves its right, as contained **Section 27(2) of the Water Act** to review anyone or all of the conditions imposed here in above and to make such variation as it deems fit for the purpose of compliance of the **Water Act**.

Page 3 of 4

Signature Not Verified

Digitally signed by Bhalaram Siyag
 Date: 2024.04.15 15:33:46 IST
 Reason: Self Attested
 Location:





Regional Office Hanumangarh
Rajasthan State Pollution Control Board
Plot No 52, Sector 9/1, Hanumangarh Junction
Phone: 7597455701

Registered

File No : F(Tech)/Hanumangarh(Pilibanga)/2112(1)/2024-2025/78-79

Order No : 2024-2025/Hanumangarh/10846

Dispatch Date: Apr 15 2024 3:33PM

Unit Id : 133521

21 That the grant of this **Consent to Establish** is issued from the environmental angle only, and does not absolve the project proponent from the other statutory obligations prescribed under any other law or any other instrument in force. The sole and complete responsibility, to comply with the conditions laid down in all other laws for the time-being in force, rests with the industry/ unit/ project proponent.

22 That the grant of this **Consent to Establish** shall not, in any way, adversely affect or jeopardize the legal proceedings, if any, instituted in the past or that could be instituted against you by the State Board for violation of the provisions of the Act or the Rules made thereunder.

This **Consent to Establish** shall also be subject, besides the aforesaid specific conditions, to the general conditions given in the enclosed Annexure. The project proponent will comply with the provisions of the **Water Act** and to such other conditions as may, from time to time, be specified by the State Board under the provisions of the aforesaid Act(s). Please note that, non compliance of any of the above stated conditions would tantamount to revocation of **Consent to Establish** and project proponent / occupier shall be liable for legal action under the relevant provisions of the said Act(s).

Yours sincerely,

Regional Officer[Hanumangarh

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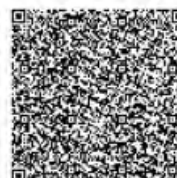
1 Master File.

Regional Officer[Hanumangarh

Page 4 of 4

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Date: 2024.04.15 13:33:46 IST
Reason: Self Attested
Location:



APPENDIX 4: ENVIRONMENTAL SITE INSPECTION REPORT**Report 01: Environmental Site Inspection Report Ladnu Town (April 2024)**

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Sewerage Project at Ladnu.				
Sector:	Wastewater & sewerage Project				
Contract Number:	RSTDIP/LDN-DID-MKN/01				
Contractor:	M/s Larsen & Toubro Limited				
Location of Sites Visited:	STP-01 (5.5 MLD), Aasota village, STP-02 (2.4 MLD), Chipolai ,Sujan Grah Road,Teli Road ,Rear Nagar Palika, Harijan Basti, Ladnu.				
Project Activity:	STP: - Civil & Electromechanical work under progress. Sewer Network :- DWC, RC, sewer Pipe laying & Road restoration work in progress.				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Nawal Singh, Env. & Social Safeguard Support, CMSC-01, Ladnu				
Duration of Site visit:	April 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)	YES	NO	NA	PI	
EHS supervisor appointed by contractor and available on site	✓				
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓				
Traffic management plan prepared	✓				
Dust is under control	✓				
Excavated soil properly placed within minimum space	✓				
The construction area is confined; no traffic/pedestrian entry was observed	✓				
Surplus soil/debris/waste is disposed of without delay		✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓				
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation	✓				
Work is planned in consultation with traffic police	✓				
Work is not being conducted during heavy traffic	✓				
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓				
Pipe trenches are not kept open unduly	✓				
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓				
Road is closed; alternative route provided & public informed, information board provided	✓				
Pedestrian access to houses is not blocked due to pipe laying	✓				
Spaces left in between trenches for access	✓				
Wooden planks/metal sheets provided across trench for pedestrian	✓				
No public/unauthorized entry observed in work site	✓				
Children safety measures (barricades, security) in place at works in residential areas	✓				
Prior public information provided about the work, schedule and disturbances	✓				
Caution/warning board provided on site	✓				

Guards with red flag provided during work at busy roads			✓	
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work			✓	
No blasting activity conducted	✓			
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings	✓			

Submitted by:

Nawal Singh
Social Safeguard Support Staff
CMSC-01, Jaipur Zone

Report 02: Environmental Site Inspection Checklist Mandawa Town (April 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Water Supply and Sewerage Project				
Sector:	Water and Sewage				
Contract Number:	RSTDIP/MDW/03				
Contractor:	M/s LNA-R&B (JV)				
Location of Sites Visited:	Mandawa Town				
Project Activity:	SBR grinding work, MS pipe welding work and process building door, window aluminium work, paint work is in progress in STP, MPS Vertical Pipeline work completed. cable trench Brick works under progress, Pump house PCC work under progress at Jen campus, painting work under process, Sutter fixing SCADA Room, Dressing work. CC road restoration work under progress at Subhash chowk. water connection installation work (HSC). Valve Chamber Excavation work.				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Yogesh Kumar Atreya Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa				
Duration of Site visit:	25-27 April 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)	YES	NO	NA	PI	
EHS supervisor appointed by contractor and available on site	✓				
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓				
Traffic management plan prepared	✓				
Dust is under control	✓				
Excavated soil properly placed within minimum space	✓				
The construction area is confined; no traffic/pedestrian entry was observed	✓				
Surplus soil/debris/waste is disposed of without delay	✓				
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓				
Tarpaulins used to cover sand & other loose material when transported by vehicles	✓				
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site	✓				
No chance finds encountered during excavation	✓				
Work is planned in consultation with traffic police	✓				
Work is not being conducted during heavy traffic	✓				
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓				
Pipe trenches are not kept open unduly	✓				
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓				
Road is closed; alternative route provided & public informed, information board provided	✓				
Pedestrian access to houses is not blocked due to pipe laying	✓				
Spaces left in between trenches for access	✓				
Wooden planks/metal sheets provided across trench for pedestrian	✓				
No public/unauthorized entry observed in work site	✓				
Children safety measures (barricades, security) in place at works in residential areas	✓				

Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs	✓			
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Yogesh Kumar Atreya
Gender, Social Safeguard and Environment Support Staff,
CMSC-I, Mandawa

Report 03: Environmental Site Inspection Checklist Ratangarh Town (April 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Water supply and Sewer Network Connections				
Sector:	Water and Sewage Network				
Contract Number:	RSTDIP/RTG-FTP-LXG/01				
Contractor:	M/s L&T				
Location of Sites Visited:	Ratangarh Town				
Project Activity:	EMI and Other works				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Ugrasen Kumar (Environmental Safeguard Support).				
Duration of Site visit:	27/04/2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI	
EHS supervisor appointed by contractor and available on site	✓				
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓				
Traffic management plan prepared	✓				
Dust is under control		✓			
Excavated soil properly placed within minimum space		✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓				
Surplus soil/debris/waste is disposed of without delay	✓				
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓				
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation	✓				
Workers conducting or near heavy noise work is provided with ear muffs			✓		
Contractor is following standard & safe construction practices	✓				
Deep excavation is conducted with land slip/protection measures	✓				
Adequate toilet & bath facilities provided	✓				
No blasting activity conducted			✓		
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓		
Toilet facility provided at the site	✓				
Drinking water provided at the site	✓				
A separate toilet facility is provided for women workers	✓				
First aid facilities are available on site and workers informed	✓				
Workers camps are maintained cleanly			✓		
Work is planned in consultation with traffic police	✓				
Work is not being conducted during heavy traffic	✓				
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓				
Pipe trenches are not kept open unduly	✓				
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓				
Road is closed; alternative route provided & public informed if needed.	✓				

information board provided				
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads				
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU		✓		
Adequate housing provided		✓		
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			

Submitted by:

Ugrasen Kumar
Environmental Safeguard Support,
CMSC-II, Ratangarh

Report 04: Environmental Site Inspection Checklist Abu Road Town (April 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water and Sewer Network Connections			
Sector:	Water and Sewage Network			
Contract Number:	RSTDIP/SHR-ABR/01			
Contractor:	Abu Road Town			
Location of Sites Visited:	M/s L&T			
Project Activity:	EMI and Other works			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Amit Kumar Chauhan (Environmental Safeguard Support) CMSC -2, Sirohi			
Duration of Site visit:	22/04/2024			
Monitoring Items		Compliance		
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space	✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading, wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open			✓	
Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			

Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs			✓	
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed		✓		
Drinking water provided at the site	✓			
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers		✓		
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided		✓		
The contractor employed local workers as far as possible	✓			
Worker's camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Mr. Amit Chouhan

**Environmental Safeguard Support,
CMSC-II, Jodhpur Zone**

Report 05: Environmental Site Inspection Checklist Sirohi Town (April 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water and Sewer Network Connections			
Sector:	Water and Sewage Network			
Contract Number:	RSTDIP/SHR-ABR/01			
Contractor:	M/s L&T			
Location of Sites Visited:	Sirohi Town			
Project Activity:	EMI and Other works			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Amit Kumar Chauhan (Env, Safeguard Support) CMSC 2, Sirohi			
Duration of Site visit:	15/04/2024			
Monitoring Items	Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space	✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open			✓	
Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			

Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs			✓	
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

**Amit Chouhan,
Environmental Safeguard Support,
CMSC-II, Jodhpur Zone**

Report 06: Environmental Site Inspection Checklist Abu Road Town (May 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)					
Sub-project Name :	Water and Sewer Network Connections					
Sector:	Water and Sewage Network					
Contract Number:	RSTDIP/SHR-ABR/01					
Contractor:	M/s L&T					
Location of Sites Visited:	Abu Road Town					
Project Activity:	EMI and Other works					
Project Stage:	Construction Stage					
Site visit done by:	Mr. Amit Kumar Chauhan (Env. Safeguard Support) CMSC -2, Sirohi					
Duration of Site visit:	20/05/2024					
Monitoring Items			Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)			YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site			✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared			✓			
Traffic management plan prepared			✓			
Dust is under control			✓			
Excavated soil properly placed within minimum space			✓			
The construction area is confined; no traffic/pedestrian entry was observed			✓			
Surplus soil/debris/waste is disposed of without delay			✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only			✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles				✓		
After unloading, wheels & undercarriage of vehicles cleaned prior to leaving the site				✓		
No chance finds encountered during excavation			✓			
Work is planned in consultation with traffic police			✓			
Work is not being conducted during heavy traffic			✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)			✓			
Pipe trenches are not kept open unduly			✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open					✓	
Road is closed; alternative route provided & public informed if needed, information board provided			✓			
Pedestrian access to houses is not blocked due to pipe laying			✓			
Spaces left in between trenches for access			✓			
Wooden planks/metal sheets provided across trench for pedestrian			✓			
No public/unauthorized entry observed in work site			✓			
Children safety measures (barricades, security) in place at works in residential areas			✓			

Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs			✓	
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed		✓		
Drinking water provided at the site	✓			
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers		✓		
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided		✓		
The contractor employed local workers as far as possible	✓			
Worker's camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Mr. Amit Chouhan
Environmental Safeguard Support,
CMSC-II, Jodhpur Zone

Report 07: Environmental Site Inspection Checklist Ladnu Town (May 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)					
Sub-project Name :	Sewerage Project at Ladnu					
Sector:	Wastewater & sewerage Project					
Contract Number:	RSTDIP/LDN-DID-MKN/01					
Contractor:	M/s L&T Infrastructure Pvt. Ltd.					
Location of Sites Visited:	STP-01 (5.5 MLD), Aasota village, STP-02 (2.4 MLD), Chipolai ,Sujan Grah Road,Teli Road, Rear Nagar Palika, Harijan Basti, Ladnu					
Project Activity:	STP: - Civil & Electromechanical work under progress. Sewer Network: - DWC, RC, sewer Pipe laying & Road restoration work in progress					
Project Stage:	Construction Stage					
Site visit done by:	Mr. Nawal Singh, Social Safeguard Support, CMSC-01, Ladnu					
Duration of Site visit:	May 2024					
Monitoring Items			Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)			YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site			✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared			✓			
Traffic management plan prepared			✓			
Dust is under control			✓			
Excavated soil properly placed within minimum space			✓			
The construction area is confined; no traffic/pedestrian entry was observed			✓			
Surplus soil/debris/waste is disposed of without delay				✓		
Construction material (sand/gravel/aggregate) brought to the site as & when required only			✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles				✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site				✓		
No chance finds encountered during excavation			✓			
Work is planned in consultation with traffic police			✓			
Work is not being conducted during heavy traffic			✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)			✓			
Pipe trenches are not kept open unduly			✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open			✓			
Road is closed; alternative route provided & public informed, information board provided			✓			
Pedestrian access to houses is not blocked due to pipe laying			✓			
Spaces left in between trenches for access			✓			
Wooden planks/metal sheets provided across trench for pedestrian			✓			
No public/unauthorized entry observed in work site			✓			
Children safety measures (barricades, security) in place at works in residential areas			✓			
Prior public information provided about the work, schedule and disturbances			✓			
Caution/warning board provided on site			✓			

Guards with red flag provided during work at busy roads			✓	
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted	✓			
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings	✓			

Submitted by:

Nawal Singh
Social Safeguard Support Staff
CMSC-01, Jaipur Zone

Report 08: Environmental Site Inspection Checklist Ratangarh Town (May 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Water supply and Sewer Network Connections				
Sector:	Water and Sewage Network				
Contract Number:	RSTDIP/RTF-FTP-LXG/01				
Contractor:	M/s L&T				
Location of Sites Visited:	Ratangarh Town				
Project Activity:	EMI and Other works				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Ugrasen Kumar (Environmental Safeguard Support), CMSC 2, Ratangarh				
Duration of Site visit:	27/05/2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI	
EHS supervisor appointed by contractor and available on site	✓				
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓				
Traffic management plan prepared			✓		
Dust is under control	✓				
Excavated soil properly placed within minimum space	✓				
The construction area is confined; no traffic/pedestrian entry was observed	✓				
Surplus soil/debris/waste is disposed of without delay	✓				
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓				
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation	✓				
Workers conducting or near heavy noise work is provided with ear muffs			✓		
Contractor is following standard & safe construction practices	✓				
Deep excavation is conducted with land slip/protection measures			✓		
Adequate toilet & bath facilities provided	✓				
No blasting activity conducted			✓		
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓		
Toilet facility provided at the site	✓				
Drinking water provided at the site	✓				
A separate toilet facility is provided for women workers	✓				
First aid facilities are available on site and workers informed	✓				
Workers camps are maintained cleanly			✓		
Work is planned in consultation with traffic police	✓				
Work is not being conducted during heavy traffic	✓				
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓				
Pipe trenches are not kept open unduly	✓				

Road is not completely closed; work is conducted on edge; at least one line is kept open	✓			
Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓		✓	
Guards with red flag provided during work at busy roads				
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			

Submitted by:

Ugrasen Kumar
Environment Safeguard Support Staff
CMSC-II, Ratangarh

Report 09: Environmental Site Inspection Checklist Mandawa Town (May 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Water Supply and Sewerage Project				
Sector:	Water and Sewage				
Contract Number:	RSTDIP/MDW/03				
Contractor:	M/s LNA-R&B (JV)				
Location of Sites Visited:	Mandawa Town				
Project Activity:	Blower pipeline welding work, PLC panel connection work and Lab platform work under progress at STP. Laboratory platform marble fixing work cleaning of SBR work under process, Emi work under progress at STP. Road restoration is bad preparing work in progress at PHED campus, Pump fitting work under progress at pump house, Pump house fittings welding work under progress at PHED Campus. Pathway interlocking fixing work, SCADA room interlocking tiles work under progress, Excavation for road work and walk way under progress, at SPS. WMM work completed road restoration work under process, Inspection chamber work under progress, Inspection chamber work under progress at other site.				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Yogesh Kumar Atreya Gender, Social Safeguard and Environment Support, CMSC-01				
Duration of Site visit:	28-30 May 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)		YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site		✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared		✓			
Traffic management plan prepared		✓			
Dust is under control		✓			
Excavated soil properly placed within minimum space			✓		
The construction area is confined; no traffic/pedestrian entry was observed		✓			
Surplus soil/debris/waste is disposed of without delay		✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only		✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles			✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site			✓		
No chance finds encountered during excavation		✓			
Work is planned in consultation with traffic police		✓			
Work is not being conducted during heavy traffic		✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)		✓			
Pipe trenches are not kept open unduly		✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open		✓			
Road is closed; alternative route provided & public informed, information board provided		✓			
Pedestrian access to houses is not blocked due to pipe laying		✓			
Spaces left in between trenches for access		✓			
Wooden planks/metal sheets provided across trench for pedestrian		✓			

No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided		✓		
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Yogesh Kumar Atreya

Gender, Social Safeguard and Environment Support Staff,

CMSC-I, Mandawa

Report 10: Environmental Site Inspection Checklist Makrana Town (June 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	WW Project				
Sector:	Wastewater Project				
Contract Number:	RSTDIP/LDN-DID-MKN/01				
Contractor:	M/s Larson & Toubro Ltd.				
Location of Sites Visited:	STP (7.7 MLD), Nearby Old STP Zone 9 Balaji Colony Borawar Road, Makrana				
Project Activity:	PTU & SBR: - TEER & SBR: -Top Dome Steel Biending and Shutring and Sbr Difuger Piping and Defuger Foundation Work SBR: -Anoxic Zone Blower Piping work ADMIN BUILDING: - Repairinnng Work, Toilet Wall Tile Fixing and Soil Dresing SPS -2 MATAWAR: Preparation For Plinth Protection				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Mohammad Nazir, Social Safeguard Support Staff , CMSC-01				
Duration of Site visit:	02 May 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)		YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site		✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared		✓			
Traffic management plan prepared		✓			
Dust is under control		✓			
Excavated soil properly placed within minimum space		✓			
The construction area is confined; no traffic/pedestrian entry was observed		✓			
Surplus soil/debris/waste is disposed of without delay		✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only		✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation		✓			
Work is planned in consultation with traffic police		✓			
Work is not being conducted during heavy traffic		✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)		✓			
Pipe trenches are not kept open unduly		✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open		✓			
Road is closed; alternative route provided & public informed, information board provided		✓			
Pedestrian access to houses is not blocked due to pipe laying		✓			
Spaces left in between trenches for access		✓			
Wooden planks/metal sheets provided across trench for pedestrian		✓			
No public/unauthorized entry observed in work site		✓			
Children safety measures (barricades, security) in place at works in residential areas		✓			
Prior public information provided about the work, schedule and disturbances		✓			

Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs	✓			
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Mohammad Nazir
Social Safeguard Support Staff
CMSC-01, Jaipur Zone

Report 11: Environmental Site Inspection Checklist Ladnu Town (June 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Sewerage Project at Ladnu.				
Sector:	Wastewater & sewerage Project				
Contract Number:	RSTDIP/LDN-DID-MKN/01				
Contractor:	M/s L&T Infrastructure Pvt. Ltd.				
Location of Sites Visited:	STP-01 (5.5 MLD), Aasota village, STP-02 (2.4 MLD), Chipolai , SujanGrah Road, Nagarpalika Road ,Near stadiam ,Old cinema hall, Ladnu				
Project Activity:	STP: - Civil work completed and EMI equipment installation work in progress. Sewer Network :- DWC,RC, sewer Pipe laying & Road restoration work in progress.				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Nawal Singh, Social Safeguard Support Staff , CMSC-01				
Duration of Site visit:	April 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)		YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site		✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared		✓			
Traffic management plan prepared		✓			
Dust is under control		✓			
Excavated soil properly placed within minimum space		✓			
The construction area is confined; no traffic/pedestrian entry was observed		✓			
Surplus soil/debris/waste is disposed of without delay		✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only		✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles			✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site			✓		
No chance finds encountered during excavation		✓			
Work is planned in consultation with traffic police		✓			
Work is not being conducted during heavy traffic		✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)		✓			
Pipe trenches are not kept open unduly		✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open		✓			
Road is closed; alternative route provided & public informed, information board provided		✓			
Pedestrian access to houses is not blocked due to pipe laying		✓			
Spaces left in between trenches for access		✓			
Wooden planks/metal sheets provided across trench for pedestrian		✓			
No public/unauthorized entry observed in work site		✓			
Children safety measures (barricades, security) in place at works in residential areas		✓			
Prior public information provided about the work, schedule and disturbances		✓			

Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads				
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work				
No blasting activity conducted	✓		✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings	✓		✓	

Submitted by:

Nawal Singh
Social Safeguard Support Staff
CMSC-01, Jaipur Zone

Report 12: Environmental Site Inspection Checklist Mandawa Town (June 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water Supply and Sewerage Project			
Sector:	Water and Sewage			
Contract Number:	RSTDIP/MDW/03			
Contractor:	M/s LNA-R&B (JV)			
Location of Sites Visited:	Mandawa Town			
Project Activity:	Pump fitting work under progress at pump house, Plinth protection work under progress, Excavation for road work and walk way under progress, Inspection chamber work under progress, Property chamber work under progress, HSC water supply connection under progress, Earthing pit chamber work under progress, Emi work under progress, Trenchless work under Process. BT road work under Progress at Mukandgarh Road.			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Yogesh Kumar Atreya Gender, Social Safeguard and Environment Support Staff, CMSC-01			
Duration of Site visit:	20-22 June 2024			
Monitoring Items		Compliance		
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space		✓		
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓			
Road is closed; alternative route provided & public informed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entrv observed in work site	✓			

Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs	✓			
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided		✓		
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Yogesh Kumar Atreya
Gender, Social Safeguard and Environment Support Staff,
CMSC-I, Mandawa

Report 13: Environmental Site Inspection Checklist Khetri Town (June 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)					
Sub-project Name :	Water Supply and Sewerage Project					
Sector:	Water and Sewage					
Contract Number:	RSTDIP/KTR/03					
Contractor:	M/s Lahoty – LNA (JV), Khetri.					
Location of Sites Visited:	Khetri Town					
Project Activity:	Di work under progress back sainsi hotel, E type manhole work under progress's breaking gokul house work under process, Ncs public school house keeping work under progress, Nayak mohalla cc work under progress, Dwc connectivity work chandwari road under progress, Ic di work near chandwari in provate land under progress, Hsc connection work under progress, Sastri tank di work under progress, Putty at metering room, Brick chaber for bypass line under progress, Cwr work under progress, Plith protection near chlorine toner room under progress, Welding work under progress, Mps plaster under progress, Admin brickwork under progress, Dg slab under progress, Metering shuttering, Mps lighting Under Progress, Teer work under progress					
Project Stage:	Construction Stage					
Site visit done by:	Mr. Yogesh Kumar Atreya Gender, Social Safeguard and Environment Support Staff, CMSC-01					
Duration of Site visit:	25-27 June 2024					
Monitoring Items			Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented (PI)			YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site			✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared			✓			
Traffic management plan prepared			✓			
Dust is under control			✓			
Excavated soil properly placed within minimum space			✓			
The construction area is confined; no traffic/pedestrian entry was observed			✓			
Surplus soil/debris/waste is disposed of without delay			✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only			✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles				✓		
After unloading, wheels & undercarriage of vehicles cleaned prior to leaving the site				✓		
No chance finds encountered during excavation			✓			
Work is planned in consultation with traffic police			✓			
Work is not being conducted during heavy traffic			✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)			✓			
Pipe trenches are not kept open unduly			✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open				✓		
Road is closed; alternative route provided & public informed, information board provided			✓			

Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs	✓			
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site		✓		
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers		✓		
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Worker's camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted	✓			
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings	✓			

Submitted by:

Yogesh Kumar Atreya
Gender, Social Safeguard and Environment Support Staff,
CMSC-I, Mandawa

Report 14: Environmental Site Inspection Checklist Ratangarh Town (June 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)					
Sub-project Name :	Water supply and Sewer Network Connections					
Sector:	Water and Sewage Network					
Contract Number:	RSTDIP/RTG-FTP-LXG/01					
Contractor:	M/s L&T					
Location of Sites Visited:	Ratangarh Town					
Project Activity:	EMI and Other works					
Project Stage:	Construction Stage					
Site visit done by:	Mr. Ugrasen Kumar (Environmental Safeguard Support).					
Duration of Site visit:	24/06/2024					
Monitoring Items			Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)			YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site			✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared			✓			
Traffic management plan prepared			✓			
Dust is under control				✓		
Excavated soil properly placed within minimum space				✓		
The construction area is confined; no traffic/pedestrian entry was observed			✓			
Surplus soil/debris/waste is disposed of without delay			✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only			✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles				✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site				✓		
No chance finds encountered during excavation			✓			
Workers conducting or near heavy noise work is provided with ear muffs					✓	
Contractor is following standard & safe construction practices			✓			
Deep excavation is conducted with land slip/protection measures					✓	
Adequate toilet & bath facilities provided			✓			
No blasting activity conducted					✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings					✓	
Toilet facility provided at the site			✓			
Drinking water provided at the site			✓			
A separate toilet facility is provided for women workers			✓			
First aid facilities are available on site and workers informed			✓			
Workers camps are maintained cleanly				✓		
Work is planned in consultation with traffic police			✓			
Work is not being conducted during heavy traffic			✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)			✓			
Pipe trenches are not kept open unduly			✓			

Road is not completely closed; work is conducted on edge; at least one line is kept open	✓			
Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads			✓	
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided		✓		
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			

Submitted by:

Ugrasen Kumar
Environment Safeguard Support Staff
CMSC-II, Ratangarh

Report 15: Environmental Site Inspection Checklist Abu Road Town (June 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water and Sewer Network Connections			
Sector:	Water and Sewage Network			
Contract Number:	RSTDIP/ABR/01			
Contractor:	M/s L&T			
Location of Sites Visited:	Abu Road Town			
Project Activity:	EMI and Other works			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Amit Kumar Chauhan (Environmental Safeguard Support) CMSC -2, Sirohi			
Duration of Site visit:	June 2024			
Monitoring Items		Compliance		
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space	✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading, wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open			✓	
Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			

Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs			✓	
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed		✓		
Drinking water provided at the site	✓			
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers		✓		
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided		✓		
The contractor employed local workers as far as possible	✓			
Worker's camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Mr. Amit Chouhan
Environmental Safeguard Support,
CMSC-II, Jodhpur Zone

Report 16: Environmental Site Inspection Checklist Sirohi Town (June 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water and Sewer Network Connections			
Sector:	Water and Sewage Network			
Contract Number:	RSTDIP/SHR-ABR/01			
Contractor:	Sirohi Town			
Location of Sites Visited:	M/s L&T			
Project Activity:	EMI and Other works			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Amit Kumar Chauhan (Environmental Safeguard Support).			
Duration of Site visit:	June 2024			
Monitoring Items	Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space	✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open			✓	
Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			

Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs			✓	
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Amit Chouhan
Environmental Safeguard Support,
CMSC-II, Jodhpur Zone

Report 17: Environmental Site Inspection Checklist Abu Road Town (July 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Water and Sewer Network Connections				
Sector:	Water and Sewage Network				
Contract Number:	RSTDIP/ABR/01				
Contractor:	M/s L&T				
Location of Sites Visited:	Abu Road Town				
Project Activity:	EMI and Other works				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Amit Kumar Chauhan (Environmental Safeguard Support) CMSC -2, Sirohi				
DATE:	July 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)		YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site		✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared		✓			
Traffic management plan prepared		✓			
Dust is under control		✓			
Excavated soil properly placed within minimum space		✓			
The construction area is confined; no traffic/pedestrian entry was observed		✓			
Surplus soil/debris/waste is disposed of without delay		✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only		✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles			✓		
After unloading, wheels & undercarriage of vehicles cleaned prior to leaving the site			✓		
No chance finds encountered during excavation		✓			
Work is planned in consultation with traffic police		✓			
Work is not being conducted during heavy traffic		✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)		✓			
Pipe trenches are not kept open unduly		✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open				✓	
Road is closed; alternative route provided & public informed if needed, information board provided		✓			
Pedestrian access to houses is not blocked due to pipe laying		✓			
Spaces left in between trenches for access		✓			
Wooden planks/metal sheets provided across trench for pedestrian		✓			
No public/unauthorized entry observed in work site		✓			
Children safety measures (barricades, security) in place at works in residential areas		✓			

Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs			✓	
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed		✓		
Drinking water provided at the site	✓			
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers		✓		
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided		✓		
The contractor employed local workers as far as possible	✓			
Worker's camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Mr. Amit Chouhan
Environmental Safeguard Support,
CMSC-II, Jodhpur Zone

Report 18: Environmental Site Inspection Checklist Sirohi Town (July 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water and Sewer Network Connections			
Sector:	Water and Sewage Network			
Contract Number:	RSTDIP/SHR-ABR/01			
Contractor:	M/s L&T			
Location of Sites Visited:	Sirohi Town			
Project Activity:	EMI and Other works			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Amit Kumar Chauhan (Environmental Safeguard Support).			
Duration of Site visit:	July 2024			
Monitoring Items	Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space	✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open			✓	
Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			

Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs			✓	
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Amit Chouhan
Environmental Safeguard Support,
CMSC-II, Jodhpur Zone

Report 19: Environmental Site Inspection Checklist Ladnu Town (July 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-Project Name	Sewerage Project at Ladnu				
Sector:	Wastewater				
Contract Number:	RSTDIP/LDN-DID-MKN/01				
Contractor:	M/s L&T Infrastructure Pvt. Ltd.				
LOCATION Of Sites Visited:	STP-01 (5.5 MLD), Aasota village, STP-02 (2.4 MLD), Chipolai , SujanGrah Road, Nagarpalika Road ,Near stadium ,Old cinema hall, Ladnu				
Project Activity:	STP: - Civil work completed and EMI equipment installation work in progress. Sewer Network: - DWC, RCC, sewer Pipe laying & Road restoration work in progress.				
Project Activity Stage-	Execution & Construction Work Stage.				
Site Visit Has Done By-	Mr. Nawal Singh, Social Safeguard Support Staff , CMSC-01				
Month:	July 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)		YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site		✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared		✓			
Traffic management plan prepared		✓			
Dust is under control		✓			
Excavated soil properly placed within minimum space		✓			
The construction area is confined; no traffic/pedestrian entry was observed		✓			
Surplus soil/debris/waste is disposed of without delay		✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only		✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation		✓			
Work is planned in consultation with traffic police		✓			
Work is not being conducted during heavy traffic		✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)		✓			
Pipe trenches are not kept open unduly		✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open		✓			
Road is closed; alternative route provided & public informed, information board provided		✓			
Pedestrian access to houses is not blocked due to pipe laying		✓			
Spaces left in between trenches for access		✓			
Wooden planks/metal sheets provided across trench for pedestrian		✓			
No public/unauthorized entry observed in work site		✓			
Children safety measures (barricades, security) in place at works in residential areas		✓			
Prior public information provided about the work, schedule and disturbances		✓			
Caution/warning board provided on site		✓			
Guards with red flag provided during work at busy roads		✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)		✓			

Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Nawal Singh
Social Safeguard Support Staff
CMSC-01, Jaipur Zone

Report 20: Environmental Site Inspection Checklist Makrana Town (July 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	WW Project			
Sector:	Waste Water Project			
Contract Number:	RSTDIP/LDN-DID-MKN/01			
Contractor:	M/s Larson & Toubro Ltd.			
Location of Sites Visited:	STP (7.7 MLD), Nearby Old STP Zone 9 Balaji Colony Borawar Road Makrana			
Project Activity:	TEER: Staircase Shutring and Steel Binding and Staging. SBR: - Diffuser Piping Work and Painting Work ADMIN BUILDING: - Painting Work and Cabling Work SPS -2 MATAWAR: DI Pipe Fitting Work			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Mohammad Nazir, Social Safeguard Support Staff , CMSC-01, Makrana			
Duration of Site visit:	July 2024			
Monitoring Items	Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)	YES NO NA PI			
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space	✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles	✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site	✓			
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓			
Road is closed; alternative route provided & public informed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			

Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs	✓			
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Mohammad Nazir
Social Safeguard Support Staff
CMSC-01, Jaipur Zone

Report 21: Environmental Site Inspection Checklist Mandawa Town (July 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water Supply and Sewerage Project			
Sector:	Water and Sewage			
Contract Number:	RSTDIP/MDW/03			
Contractor:	M/s LNA-R&B (JV)			
Location of Sites Visited:	Mandawa Town			
Project Activity:	work of Jointing work, Kota Stone at process Building, Plinth protection work, Air Blower paint work paint work, & Housekeeping, pipes PTU! Housekeeping work TEER DI live & RCC pipe crossing work. Compus Development work!- Drip irrigation, system, Tree plantation, Bedding work for inner Road, Harvesting system, DG 5 Tomsformer fencing work, Boundary wall plaster work, Admin Building: Staircase work, plinth protection process Building, Rain water pipe fitting, Electrical work & Housekeeping and Tree Plantation at 0.40 MLD SPS. Boundary wall Housekeeping work Electrical work, Tree Plantations, Household Terminal chamber, HSC (water Meter installation work)			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Yogesh Kumar Atreya Gender, Social Safeguard and Environment Support Staff, CMSC-01			
Duration of Site visit:	18-20 July 2024			
Monitoring Items	Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space		✓		
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓			
Road is closed; alternative route provided & public informed, information board provided	✓			

Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs	✓			
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided		✓		
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Yogesh Kumar Atreya
Gender, Social Safeguard and Environment Support Staff,
CMSC-I, Mandawa

Report 22: Environmental Site Inspection Checklist Khetri Town (July 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Water Supply and Sewerage Project				
Sector:	Water and Sewage				
Contract Number:	RSTDIP/KTR/03				
Contractor:	M/s Lahoty – LNA (JV), Khetri.				
Location of Sites Visited:	Khetri Town				
Project Activity:	Admin building plaster work, Sludge sump casting, Polymer dosing casting, Boundary wall work, Metering room plaster work, Ptu steel binding work, paint work brick chamber work, campus parking shed work, metering room work, DI WORK, MH Work, cc road restoration work, House service connection meter installation work.				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Yogesh Kumar Atreya Gender, Social Safeguard and Environment Support Staff, CMSC-01				
Duration of Site visit:	23-25 July 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented (PI)	YES	NO	NA	PI	
EHS supervisor appointed by contractor and available on site	✓				
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓				
Traffic management plan prepared	✓				
Dust is under control	✓				
Excavated soil properly placed within minimum space	✓				
The construction area is confined; no traffic/pedestrian entry was observed	✓				
Surplus soil/debris/waste is disposed of without delay	✓				
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓				
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading, wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation	✓				
Work is planned in consultation with traffic police	✓				
Work is not being conducted during heavy traffic	✓				
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓				
Pipe trenches are not kept open unduly	✓				
Road is not completely closed; work is conducted on edge; at least one line is kept open		✓			
Road is closed; alternative route provided & public informed, information board provided	✓				
Pedestrian access to houses is not blocked due to pipe laying	✓				
Spaces left in between trenches for access	✓				
Wooden planks/metal sheets provided across trench for pedestrian	✓				
No public/unauthorized entry observed in work site	✓				

Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)		✓		
Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site		✓		
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers		✓		
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Worker's camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Yogesh Kumar Atreya
Gender, Social Safeguard and Environment Support Staff,
CMSC-I, Mandawa

Report 23: Environmental Site Inspection Checklist Ratangarh Town (July 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water supply and Sewer Network Connections			
Sector:	Water and Sewage Network			
Contract Number:	RSTDIP/RTG-FTP-LXG/01			
Contractor:	M/s L&T			
Location of Sites Visited:	Ratangarh Town			
Project Activity:	EMI and Other works			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Ugrasen Kumar (Environmental Safeguard Support).			
Duration of Site visit:	24/07/2024			
Monitoring Items	Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared				
Dust is under control		✓		
Excavated soil properly placed within minimum space		✓		
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Workers conducting or near heavy noise work is provided with ear muffs				
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures				
Adequate toilet & bath facilities provided	✓			
No blasting activity conducted				
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings				
Toilet facility provided at the site	✓			
Drinking water provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
First aid facilities are available on site and workers informed	✓			
Workers camps are maintained cleanly	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓			
Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			

Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads				
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided		✓		
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			

Submitted by:

Ugrasen Kumar
Environment Safeguard Support Staff
CMSC-II, Ratangarh

Report 24: Environmental Site Inspection Checklist Ladnu Town (August 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Sewerage Project at Ladnu				
Sector:	Wastewater & sewerage Project				
Contract Number:	RSTDIP/LDN-DID-MKN/01				
Contractor:	M/s L&T Infrastructure Pvt. Ltd.				
Location of Sites Visited:	STP-01 (5.5 MLD), Aasota village, STP-02 (2.4 MLD), Chipolai, Sujangraha Road, Nagar Palika Road ,Near stadium ,Old cinema hall, Ladnu				
Project Activity:	STP: - Civil work completed and EMI equipment installation work in progress. Sewer Network: - DWC, RCC, sewer Pipe laying & Road restoration work in progress.				
Project Stage:	Execution & Construction Work Stage.				
Site visit done by:	Mr. Nawal Singh, Social Safeguard Support Staff , CMSC-01, Ladnu				
Duration of Site visit:	August 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)		YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site		✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared		✓			
Traffic management plan prepared		✓			
Dust is under control		✓			
Excavated soil properly placed within minimum space		✓			
The construction area is confined; no traffic/pedestrian entry was observed		✓			
Surplus soil/debris/waste is disposed of without delay		✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only		✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation		✓			
Work is planned in consultation with traffic police		✓			
Work is not being conducted during heavy traffic		✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)		✓			
Pipe trenches are not kept open unduly		✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open		✓			
Road is closed; alternative route provided & public informed, information board provided		✓			
Pedestrian access to houses is not blocked due to pipe laying		✓			
Spaces left in between trenches for access		✓			
Wooden planks/metal sheets provided across trench for pedestrian		✓			
No public/unauthorized entry observed in work site		✓			
Children safety measures (barricades, security) in place at works in residential areas		✓			
Prior public information provided about the work, schedule and disturbances		✓			

Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Nawal Singh
Social Safeguard Support Staff
CMSC-01, Jaipur Zone

Report 25: Environmental Site Inspection Checklist Makrana Town (August 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	WW Project				
Sector:	Waste Water Project				
Contract Number:	RSTDIP/LDN-DID-MKN/01				
Contractor:	M/s Larson & Toubro Ltd.				
Location of Sites Visited:	STP (7.7 MLD), Nearby Old STP Zone 9 Balaji Colony Borawar Road Makrana				
Project Activity:	TEER: - Staircase Shutring and Steel Biending and Staging. SBR: - Hand Railing Work and Painting Work Admin Building: - Panal Room and Cable Trey Fixing and Cabling Work and Construction of Brick Chamber SPS -2 Matawar: Cabling Work and Earthing Work.				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Mohammad Nazir, Social Safeguard Support Staff , CMSC-01				
Duration of Site visit:	August 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)	YES	NO	NA	PI	
EHS supervisor appointed by contractor and available on site	✓				
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓				
Traffic management plan prepared	✓				
Dust is under control	✓				
Excavated soil properly placed within minimum space	✓				
The construction area is confined; no traffic/pedestrian entry was observed	✓				
Surplus soil/debris/waste is disposed of without delay	✓				
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓				
Tarpaulins used to cover sand & other loose material when transported by vehicles	✓				
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site	✓				
No chance finds encountered during excavation	✓				
Work is planned in consultation with traffic police	✓				
Work is not being conducted during heavy traffic	✓				
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓				
Pipe trenches are not kept open unduly	✓				
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓				
Road is closed; alternative route provided & public informed, information board provided	✓				
Pedestrian access to houses is not blocked due to pipe laying	✓				
Spaces left in between trenches for access	✓				
Wooden planks/metal sheets provided across trench for pedestrian	✓				
No public/unauthorized entry observed in work site	✓				

Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs	✓			
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

**Mohammad Nazir
Social Safeguard Support Staff
CMSC-01, Jaipur Zone**

Report 26: Environmental Site Inspection Checklist Khetri Town (August 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water Supply and Sewerage Project			
Sector:	Water and Sewage			
Contract Number:	RSTDIP/KTR/03			
Contractor:	M/s Lahoty – LNA (JV), Khetri.			
Location of Sites Visited:	Khetri Town			
Project Activity:	Admin building tile flooring work, First floor slab shuttering work, PTU walls reinforcement work, SBR mechanical work, Test mechanical work, Sludge sump casting work, Polymer doing casting, Grade slab casting at admin building, Meter room plaster work, Boundary wall paint work, Mechanical work, Electrical work, Grade slab casting of parking shed, HSC work, Water meter fitting work, Di laying work, MH leak test, MH laying work, Cc work, PCC work, Tube well refurbishment work			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Yogesh Kumar Atreya Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa			
Duration of Site visit:	28-31 August 2024			
Monitoring Items		Compliance		
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented (PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space	✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading, wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open		✓		
Road is closed; alternative route provided & public informed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			

No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)		✓		
Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site		✓		
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers		✓		
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Worker's camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:**Yogesh Kumar Atreya****Gender, Social Safeguard and Environment Support Staff,
CMSC-I, Mandawa**

Report 27: Environmental Site Inspection Checklist Ratangarh Town (August 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Water supply and Sewer Network Connections				
Sector:	Water and Sewage Network				
Contract Number:	RSTDIP/RTG-FTP-LXG/01				
Contractor:	M/s L&T				
Location of Sites Visited:	Ratangarh Town				
Project Activity:	EMI and Other works				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Ugrasen Kumar (Environmental Safeguard Support).				
Duration of Site visit:	21/08/2024				
Monitoring Items			Compliance		
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI	
EHS supervisor appointed by contractor and available on site	✓				
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓				
Traffic management plan prepared	✓				
Dust is under control		✓			
Excavated soil properly placed within minimum space		✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓				
Surplus soil/debris/waste is disposed of without delay	✓				
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓				
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation	✓				
Workers conducting or near heavy noise work is provided with ear muffs			✓		
Contractor is following standard & safe construction practices	✓				
Deep excavation is conducted with land slip/protection measures			✓		
Adequate toilet & bath facilities provided	✓				
No blasting activity conducted			✓		
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓		
Toilet facility provided at the site	✓				
Drinking water provided at the site	✓				
A separate toilet facility is provided for women workers	✓				
First aid facilities are available on site and workers informed	✓				
Workers camps are maintained cleanly	✓				
Work is planned in consultation with traffic police	✓				
Work is not being conducted during heavy traffic	✓				
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓				
Pipe trenches are not kept open unduly	✓				
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓				

Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided		✓		
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			

Submitted by:

Ugrasen Kumar
Environment Safeguard Support Staff
CMSC-II, Ratangarh

Report 28: Environmental Site Inspection Checklist Khetri Town (September 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	Water Supply and Sewerage Project			
Sector:	Water and Sewage			
Contract Number:	RSTDIP/KTR/03			
Contractor:	M/s Lahoty – LNA (JV), Khetri.			
Location of Sites Visited:	Khetri Town			
Project Activity:	admin building brick work, PTU channel slab casting work, PTU wall casting, Kota stone flooring work, Boundary wall paint work, Admin building paint work, Emi work. CWR hydro testing, HSC pump dry run test, Hsc pump wet run, Campus development work, EMI work in progress DI connectivity work at zone 5, 3, DWC at special mohalla, Cc work at main market, MH down work, DWC Di crossing near saini hotel.			
Project Stage:	Construction Stage			
Site visit done by:	Mr. Yogesh Kumar Atreya Gender, Social Safeguard and Environment Support Staff, CMSC-01, Mandawa			
Duration of Site visit:	25-28 September 2024			
Monitoring Items				
Compliance				
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented (PI)	YES NO NA PI			
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space	✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓		
After unloading, wheels & undercarriage of vehicles cleaned prior to leaving the site		✓		
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open		✓		
Road is closed; alternative route provided & public informed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			

Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)		✓		
Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site		✓		
Toilet facility provided at the site		✓		
A separate toilet facility is provided for women workers		✓		
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Worker's camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted	✓			
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings	✓			

Submitted by:

Yogesh Kumar Atreya
Gender, Social Safeguard and Environment Support Staff,
CMSC-I, Mandawa

Report 29: Environmental Site Inspection Checklist Ladnu Town (September 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)			
Sub-project Name :	sewerage Project at Ladnu.			
Sector:	Waste Water & sewerage Project			
Contract Number:	RSTDIP/LDN-DID-MKN/01			
Contractor:	M/s L&T Infrastructure Pvt. Ltd.			
Location of Sites Visited:	STP-01 (5.5 MLD), Aasota village, STP-02 (2.4 MLD), Chipolai , SujanGrah Road, Nagarpalika Road ,Near stadium ,Old cinema hall, Ladnu			
Project Activity:	STP: Civil work completed.and EMI equipment installation work in progress. Sewer Network: - DWC, RCC, sewer Pipe laying & Road restoration work in progress.			
Project Stage:	Execution & Construction Work Stage.			
Site visit done by:	Mr. Nawal Singh,Social Safeguard Support Staff , CMSC-01, Ladnu			
Duration of Site visit:	September 2024			
Monitoring Items		Compliance		
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)	YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site	✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓			
Traffic management plan prepared	✓			
Dust is under control	✓			
Excavated soil properly placed within minimum space	✓			
The construction area is confined; no traffic/pedestrian entry was observed	✓			
Surplus soil/debris/waste is disposed of without delay	✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles	✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site	✓			
No chance finds encountered during excavation	✓			
Work is planned in consultation with traffic police	✓			
Work is not being conducted during heavy traffic	✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓			
Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓			
Road is closed; alternative route provided & public informed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			

Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs		✓		
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Nawal Singh
Social Safeguard Support Staff
CMSC-01, Jaipur Zone

Report 30: Environmental Site Inspection Checklist Makrana Town (September 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	WW Project				
Sector:	Waste Water Project				
Contract Number:	RSTDIP/LDN-DID-MKN/01				
Contractor:	M/s Larson & Toubro Ltd.				
Location of Sites Visited:	STP (7.7 MLD), Nearby Old STP Zone 9 Balaji Colony Borawar Road Makrana				
Project Activity:	• SBR: Cable Laying and Cable Trey Work • MPS and ADMIN BUILDING: -Earthing Pit Work and Transformer Fencing MPS Piping and Cable Laying and Dresing. • TRANSFORMER YARD: - Erting Pit Brick Work and Transformer Yard Fencing and Kota Grinding Work and Piping Work. • SPS -2 MATAWAR: Erthing Pit Brick Work.				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Mohammad Nazir, Social Safeguard Support, CMSC-1, Makrana				
Duration of Site visit:	September 2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable(NA)/Partially Implemented(PI)		YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site		✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared		✓			
Traffic management plan prepared		✓			
Dust is under control		✓			
Excavated soil properly placed within minimum space		✓			
The construction area is confined; no traffic/pedestrian entry was observed		✓			
Surplus soil/debris/waste is disposed of without delay		✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only		✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation		✓			
Work is planned in consultation with traffic police		✓			
Work is not being conducted during heavy traffic		✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)		✓			
Pipe trenches are not kept open unduly		✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open		✓			
Road is closed; alternative route provided & public informed, information board provided		✓			
Pedestrian access to houses is not blocked due to pipe laying		✓			
Spaces left in between trenches for access		✓			
Wooden planks/metal sheets provided across trench for pedestrian		✓			

No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads	✓			
Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs	✓			
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Mohammad Nazir
Social Safeguard Support Staff
CMSC-01, Jaipur Zone

Report 31: Environmental Site Inspection Checklist Ratangarh Town (Sept 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Water supply and Sewer Network Connections				
Sector:	Water and Sewage Network				
Contract Number:	RSTDIP/RTG-FTP-LXG/01				
Contractor:	M/s L&T				
Location of Sites Visited:	Ratangarh Town				
Project Activity:	EMI and Other works				
Project Stage:	Construction Stage				
Site visit done by:	Mr. Ugrasen Kumar (Environmental Safeguard Support).				
Duration of Site visit:	21/09/2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)		YES	NO	NA	PI
EHS supervisor appointed by contractor and available on site		✓			
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared		✓			
Traffic management plan prepared		✓			
Dust is under control			✓		
Excavated soil properly placed within minimum space			✓		
The construction area is confined; no traffic/pedestrian entry was observed		✓			
Surplus soil/debris/waste is disposed of without delay		✓			
Construction material (sand/gravel/aggregate) brought to the site as & when required only		✓			
Tarpaulins used to cover sand & other loose material when transported by vehicles			✓		
After unloading , wheels & undercarriage of vehicles cleaned prior to leaving the site			✓		
No chance finds encountered during excavation		✓			
Workers conducting or near heavy noise work is provided with ear muffs				✓	
Contractor is following standard & safe construction practices		✓			
Deep excavation is conducted with land slip/protection measures				✓	
Adequate toilet & bath facilities provided		✓			
No blasting activity conducted				✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings				✓	
Toilet facility provided at the site		✓			
Drinking water provided at the site		✓			
A separate toilet facility is provided for women workers		✓			
First aid facilities are available on site and workers informed		✓			
Workers camps are maintained cleanly		✓			
Work is planned in consultation with traffic police		✓			
Work is not being conducted during heavy traffic		✓			
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)		✓			

Pipe trenches are not kept open unduly	✓			
Road is not completely closed; work is conducted on edge; at least one line is kept open	✓			
Road is closed; alternative route provided & public informed if needed, information board provided	✓			
Pedestrian access to houses is not blocked due to pipe laying	✓			
Spaces left in between trenches for access	✓			
Wooden planks/metal sheets provided across trench for pedestrian	✓			
No public/unauthorized entry observed in work site	✓			
Children safety measures (barricades, security) in place at works in residential areas	✓			
Prior public information provided about the work, schedule and disturbances	✓			
Caution/warning board provided on site	✓			
Guards with red flag provided during work at busy roads				
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided		✓		
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			

Submitted by:

Ugrasen Kumar
Environment Safeguard Support Staff
CMSC-II, Ratangarh

Report 32: Environmental Site Inspection Checklist Sirohi Town (September 2024)

Project Name:	Rajasthan Secondary Towns Development Sector Project (RSTDSP)				
Sub-project Name :	Water and Sewer Network Connections				
Sector:	Water and Sewage Network				
Contract Number:	RSTDIP/SHR/01				
Contractor:	M/s L&T				
Location of Sites Visited:	Sirohi Town				
Project Activity:	Construction Stage				
Project Stage:	EMI and Other works				
Site visit done by:	Mr. Amit Kumar Chauhan (Environmental Safeguard Support), CMSC 2, Sirohi				
Duration of Site visit:	18.09.2024				
Monitoring Items		Compliance			
Compliance marked as Yes/No/Not applicable (NA)/Partially Implemented(PI)	YES	NO	NA	PI	
EHS supervisor appointed by contractor and available on site	✓				
Construction site management plan (spoils, safety, schedule, equipment etc.,) prepared	✓				
Traffic management plan prepared	✓				
Dust is under control	✓				
Excavated soil properly placed within minimum space	✓				
The construction area is confined; no traffic/pedestrian entry was observed	✓				
Surplus soil/debris/waste is disposed of without delay	✓				
Construction material (sand/gravel/aggregate) brought to the site as & when required only	✓				
Tarpaulins used to cover sand & other loose material when transported by vehicles		✓			
After unloading, wheels & undercarriage of vehicles cleaned prior to leaving the site		✓			
No chance finds encountered during excavation	✓				
Work is planned in consultation with traffic police	✓				
Work is not being conducted during heavy traffic	✓				
Work at a stretch is completed within a day (excavation, pipe laying & backfilling)	✓				
Pipe trenches are not kept open unduly	✓				
Road is not completely closed; work is conducted on edge; at least one line is kept open			✓		
Road is closed; alternative route provided & public informed if needed, information board provided	✓				
Pedestrian access to houses is not blocked due to pipe laying	✓				
Spaces left in between trenches for access	✓				
Wooden planks/metal sheets provided across trench for pedestrian	✓				
No public/unauthorized entry observed in work site	✓				
Children safety measures (barricades, security) in place at works in residential areas	✓				
Prior public information provided about the work, schedule and disturbances	✓				
Caution/warning board provided on site	✓				
Guards with red flag provided during work at busy roads	✓				

Workers using appropriate PPE (boots, gloves, helmets, ear muffs etc.)	✓			
Workers conducting or near heavy noise work is provided with ear muffs			✓	
Contractor is following standard & safe construction practices	✓			
Deep excavation is conducted with land slip/protection measures	✓			
First aid facilities are available on site and workers informed	✓			
Drinking water provided at the site	✓			
Toilet facility provided at the site	✓			
A separate toilet facility is provided for women workers	✓			
Workers camps are maintained cleanly	✓			
Adequate toilet & bath facilities provided	✓			
The contractor employed local workers as far as possible	✓			
Workers camp set up with the permission of PIU	✓			
Adequate housing provided	✓			
Sufficient water provided for drinking/washing/bath	✓			
No noisy work is conducted in the nights	✓			
Local people informed of noisy work	✓			
No blasting activity conducted			✓	
Pneumatic drills or other equipment creating vibration is not used near old/risky buildings			✓	

Submitted by:

Mr. Amit Chauhan
Environmental Safeguard Support,
CMSC-II, Jodhpur Zone

APPENDIX-5: COMPLIANCES OF ENVIRONMENTAL SELECTION CRITERIA

Components	Criteria	Design Considerations (if criterion is not met)	Compliance Status
All subprojects			
	Subproject will avoid potentially significant adverse impacts that are diverse, irreversible or unprecedented (ADB SPS Category A for environment).		Complied- All projects are under category B as per ADB SPS, no significant impact is envisaged from any sub project
	Comply with all requirements of ADB SPS 2009 and follow procedures set in this EARF.		Complied- EARF and ADB SPS is being complied in all sub projects
	Comply with relevant national, and local laws, rules and regulations regarding EIA, environmental protection, pollution prevention (water, air, noise, solid waste, etc.), wildlife protection, core labor standards, physical cultural resources, health and safety, and other laws in specific sectors as indicated below		Complied- Compliance of all relevant national and state laws, rules and regulations are being done in all sub projects
	Reflect inputs from public consultations	Refer to ADB SPS requirements on meaningful consultations ¹⁶	Complied- Consultations are being done in all stages of project
Location	Avoid involuntary resettlement by prioritizing rehabilitation over new construction using vacant government land where possible, and taking all possible measures in design and selection of site or alignment to avoid resettlement impacts	If cannot be avoided, prepare Resettlement Plan.	Complied- Only temporary impacts on livelihood is anticipated in sub projects for which Resettlement Plan is prepared
	Avoid or minimize the cutting of trees	If tree is to be cut, consider plantations in the ration of at least 1:3	Being Complied- Tree cutting permission is being taken, where tree cutting is required, compensatory plantations will be done in the ratio of at least 1:3

¹⁶ Per ADB SPS, meaningful consultation is defined as “a process that (i) begins early in the project preparation stage and is carried out on an ongoing basis throughout the project cycle; (ii) provides timely disclosure of relevant and adequate information that is understandable and readily accessible to affected people; (iii) is undertaken in an atmosphere free of intimidation or coercion; (iv) is gender inclusive and responsive, and tailored to the needs of disadvantaged and vulnerable groups; and (v) enables the incorporation of all relevant views of affected people and other stakeholders into decision making, such as project design, mitigation measures, the sharing of development benefits and opportunities, and implementation issues”

Biodiversity	Avoid locating subprojects in critical habitats, such as, but not limited to, wildlife/bird sanctuaries, national parks, tiger reserves, elephant reserves, conservation reserves or core zone of biosphere reserves. It provides preliminary analysis using the International Biodiversity Assessment Tool (IBAT) key biodiversity areas, protected areas, IUCN red list species and likelihood of critical habitats per town. Should not directly affect environmentally protected areas, core zones of biosphere reserves and highly valued habitat	If criterion is not met, this is potential for Category A therefore alternate location should be considered. A Biodiversity Expert shall assess and confirm critical habitat qualification. It provides a Biodiversity Assessment Report prepared for a sample subproject (Abu Road water and sewerage subproject).	Complied- There are no ecological sensitive areas within the areas of project impact
	If work is proposed with the aim of improving the conservation or management of designated subproject sites (e.g. improved drainage), this must only be undertaken: (i) after a comprehensive study and development of management plans and criteria; and (ii) with the direct involvement and approval of national and local bodies responsible for the subproject site.		Not applicable
Physical Cultural Resources	Should not result in the destruction/damage of or encroachment onto physical cultural resources (PCR)¹⁷ such as archaeological monuments; heritage sites and movable or immovable objects, sites, structures, group of structures, and natural features and landscapes that have archaeological, paleontological,	If town has potential PCR, conduct Heritage Impact Assessment (HIA). For legally protected PCRs: (i) if location is within 300 m of notified PCRs such as protected monuments/sites and there is no alternative, permissions from the ASI or State Department of	Being Complied—There are no any listed archaeological monuments within the impact area of any sub project. Heritage Impact Assessment is done

¹⁷ Physical cultural resources as defined as “movable or immovable objects, sites, structures, groups of structures, and natural features and landscapes that have archaeological, paleontological, historical, architectural, religious, aesthetic, or other cultural significance. Physical cultural resources may be located in urban or rural settings and may be above or below ground or under water. Their cultural interest may be at the local, provincial, national, or international level.”

	historical, architectural, religious, aesthetic or other cultural significance.	Archaeology shall to be obtained prior to finalization of detailed engineering design.	
Existing Facilities to be rehabilitated or expanded	Conduct environmental audit of existing facilities ¹⁸ per ADB SPS	For non-compliances identified in the environmental audit, provide corrective action for each area of concern including cost and schedule to be included in the subproject EMP.	Complied- Environmental audit of existing facilities has been done, where rehabilitation or upgradations works are proposed
Associated Facilities ¹⁹	Analyze environmental impacts and risks to be included in the IEE		Complied- environmental impact assessment of associated facilities done
Asbestos-containing materials (ACM) including, but not limited to, pipes, roofing, ceilings, insulation materials, excess pipes stored in PHED campuses, walls, etc.	Avoid handling or removing any ACM. Ensure asbestos concrete (AC) pipes facilities containing asbestos will not be disturbed and left in-situ. Appendix 6 provides asbestos management plan. RUDSICO shall include AMP in all contracts.	If ACM is suspected, asbestos verification by Asbestos Management Expert is required. Prepare site-specific asbestos management plan (AMP) prepared. Appendix 6 provides a AMP prepared for a sample subproject (Sardarshahar water and sewerage subproject).	Being Complied- AC pipes are not being used in the project and ACM management plan is prepared in all sub projects where there is possibility of encountering ACM
	When designing subproject infrastructure that involves excavation in urban areas the relevant authorities must be consulted to ascertain the location of any ACM prior to any subproject activity. Locations of new infrastructure must then be designed to avoid excavating or disturbing any ACM.		Being Complied- AC pipes in existing water supply networks are being ascertain after consultation from the PHED and existing AC pipes will remain in-situ and will not be removed from earth
Right-of-way	Locate water supply pipelines within the right of way (ROW) of other linear structures (roads,	If criterion is not met, prepare Resettlement Plan	Complied- water supply and wastewater pipes are planned in ROW only, no

¹⁸ ADB SPS Appendix 4 para 12 on Existing Facilities

¹⁹ ADB SPS Appendix 1 para 6 defines associated facilities as “not funded as part of the project (funding may be provided separately by the borrower/client or by third parties), and whose viability and existence depend exclusively on the project and whose goods or services are essential for successful operation of the project”

	irrigation canals) as far as possible, to reduce new land acquisition.	according to Resettlement Framework	private land acquisition will be done for pipe laying works
	Ensure that pipelines ROW do not require land acquisition from individual farmers that is a significant proportion of their total land holding (>10%).	If criterion is not met, prepare Resettlement Plan according to Resettlement Framework	
Water Supply			
Sustainability	Utilize water sources at sustainable levels of abstraction only (i.e. without significant reductions in the quantity or quality of the source overall)	Water source sustainability or the concurrence from PHED should be provided in the subproject's IEE. Submit groundwater sustainability report and obtain permission from the Central Groundwater Board or the State Groundwater Board.	Complied- Ground water sustainability reports are obtained from ground water department, where ground water is being used as source
Quality (raw water, treated water)	Ensure that water supply to consumers comply with the national drinking water standards at all times and confirm this by regular monitoring at WTPs and in domestic premises.		Being Complied- WTPs are designed as per applicable standards for drinking waters and regular monitoring shall be done during operation
	Avoid using water sources that may be polluted by upstream users	Baseline raw water quality to be included in the IEE.	Complied- Raw water is being drawn where no pollution from upstream users
	Avoid water-use conflicts by not abstracting water that is used for other purposes (e.g. irrigation)	If there are other users, permits or clearance for the allocation should be provided in the IEE.	Complied
Location	As far as possible locate all new facilities – Water Treatment Plants (WTP), Tube Wells (TW), etc. away from houses, shops or any other premises used by people, thus establishing a buffer to reduce the effects of noise, dust and the visual appearance of the site.		Complied- all new facilities are away from houses, shops or other premises as far as possible
	Locate WTP at sites where there is no risk of flooding or other hazards that might impair functioning of the WTP or present a risk of damage to the WTP or the surrounding area		Complied- WTP sites are not having hazards of flooding
Design	Ensure that the water supply system improvements are combined with improvements in sewerage to deal with the increased discharge of domestic wastewater.		Complied- water supply and sewerage system are synchronized
Sewage System			

Location	Previous projects considered 500m as distance consideration from nearest habitation. This has been reduced to 100m considering facilities will be located in developed areas and technology to be used. RSTDSP considered using Sequencing Batch Reactor (SBR) technology in STPs, which is proven to cause minimal odor as compared to other treatment technologies such as Waste Stabilization Pond or Activated Sludge Process. As far as possible, new Sewage Treatment Plants (STP) should be preferably 100m away from any inhabited areas, in locations where no urban expansion is expected in the next 20 years, thus establishing a buffer to reduce effects of odor, visual appearance or other nuisance of the site (this may be reviewed depending on the technology adopted for the treatment of effluent).	In case of non-availability of suitable sites due to land and technical design constraints in already developed areas, where 100 m buffer is not available, following procedures shall be adopted and documented in order to finalize sites for implementation of project: (i) conduct alternate site analysis, justify the selected site; (ii) develop odor mitigation measures to prevent and control odor/air emissions – design measures, and operational practices that are feasible and practical in local conditions and include in IEE; (iii) develop layout plan with maximum buffer to nearby houses; (iv) provide a peripheral green buffer (at least three rows of trees within the STP compound); and (v) public information – consult local community, inform about the need, process adopted to select sites, its suitability, and measures adopted for odor prevention and control	Complied- STPs are at least 100 meters away from habitations, SBR technology is adopted in all STPs, dense plantation is taken in to consideration in the periphery of all STPs to reduce foul smell
	As far as possible Sewage Pumping Stations (SPS) and wet wells should be located preferably 50m from any inhabited areas and from sites such as hospitals, schools, temples, etc. to minimize nuisance impacts from odor, rodents, etc.	In case of non-availability of suitable sites due to land and technical design constraints in already developed areas, where 50 m buffer is not available, following procedures shall be adopted and documented in order to finalize sites for implementation of project: (i) conduct alternate site analysis, justify the selected site; (ii) develop odor mitigation measures to prevent and control odor/air emissions – design measures, and operational practices that are feasible and practical in local conditions and include in	Complied- SPS and well wells are designed at least 50 mts away from habitations and sensitive receptors

		IEE; (iii) develop layout plan with maximum buffer to nearby houses; (iv) provide a peripheral green buffer (at least three rows of trees within the pumping station compound); and (v) public information – consult local community, inform about the need, process adopted to select sites, its suitability, and measures adopted for odor prevention and control	
	Locate STP at sites where there is no risk of flooding or other hazards that might impair function of the STP or present a risk of damage to the STP or the surrounding area		Complied- selected STP sites are having no risk of flooding
Quality	Ensure that sewage is treated at all times to national wastewater discharge standards and confirm this by regular monitoring of effluent from the STP.		Being Complied- all STPs are designed on latest parameters set by Government, provision of regular monitoring of treated effluent is taken in all projects
Treated water	Ensure that no wastewater is discharged into a water course in which it could be a hazard to downstream users (e.g. a waterway that is used as a source of water for domestic or municipal supply)	Reuse of treated effluent and sludge for beneficial uses will be encouraged in the project. During final design options and method of reuse will be developed and updated in IEE.	Will be Complied- Reuse of treated effluent from STP in beneficial purposes is taken in project designs
Sludge	Include measures to ensure the safe disposal of sewage sludge and if possible, to promote its safe and beneficial use as an agricultural fertilizer		Will be complied- reuse of treated sludge from STPs for beneficial purposes is considered in the project
Right-of-way for sewer network	Locate sewage pipelines within the right of way (ROW) of other linear structures (e.g. roads) wherever feasible, to reduce new land acquisition.	If criterion is not met, prepare Resettlement Plan according to Resettlement Framework	Complied- pipe lines are designed within ROW only, no land acquisition is required for pipe laying in any sub project
	Ensure that routes of sewage mains do not require land acquisition from individual farmers that is a significant proportion of their total land holding (10%)	If criterion is not met, prepare Resettlement Plan according to Resettlement Framework	

Appendix 6. Updated Asbestos Containing Material (ACM) Management Plan

A. Background of Asbestos

1. Asbestos is a collective name given to a group of minerals that occur naturally as fiber bundles and possess high tensile strength, flexibility, heat resistance, non-biodegradability with chemical and physical durability. Asbestos is hydrated silicates with complex crystal structures. It is found in two configurations: chrysotile (derived from serpentine minerals) and amphibole is a naturally occurring mineral with long thin fibers. Asbestos includes the mineral fibers chrysotile, amosite, crocidolite, tremolite, anthophyllite, actinolite and any of these materials that have been chemically treated or altered. The most abundant asbestos used in the world is chrysotile. The use of ACM propagated due to its economic viability.
2. Asbestos has been used in products, such as insulation for pipes (steam lines for example), floor tiles, building materials, and in vehicle brakes and clutches. Heavy exposures tend to occur in the construction industry and in ship repair, particularly during the removal of asbestos materials due to renovation, repairs, or demolition. Workers are also likely to be exposed during the manufacture of asbestos products (such as textiles, friction products, insulation, and other building materials) and during automotive brake and clutch repair work. In the construction industry, asbestos is found in installed products such as sprayed-on fireproofing, pipe insulation, floor tiles, cement pipe and sheet, roofing felts and shingles, ceiling tiles, fire-resistant drywall, drywall joint compounds, and acoustical products. Because very few asbestos containing products are being installed today, most worker exposures occur during the removal of asbestos and the renovation and maintenance of buildings and structures containing asbestos.
3. **Health Hazards of Asbestos.** Asbestos is well recognized as a health hazard and its use is now highly regulated by both OSHA and EPA. Asbestos fibers associated with these health risks are too small to be seen with the naked eye. Breathing asbestos fibers can cause a buildup of scar-like tissue in the lungs called asbestosis and result in loss of lung function that often progresses to disability and death. Asbestos also causes cancer of the lung and other diseases such as mesothelioma of the pleura which is a fatal malignant tumor of the membrane lining the cavity of the lung or stomach. Epidemiologic evidence has increasingly shown that all asbestos fiber types, including the most commonly used form of asbestos, chrysotile, causes mesothelioma in humans.
4. Asbestos fibers enter the body when a person inhales or ingests airborne particles that become embedded in the tissues of the respiratory or digestive systems. Exposure to asbestos can cause disabling or fatal diseases such as asbestosis, an emphysema-like condition; lung cancer; mesothelioma, a cancerous tumor that spreads rapidly in the cells of membranes covering the lungs and body organs; and gastrointestinal cancer. The symptoms of these diseases generally do not appear for 20 or more years after initial exposure.
5. Worker exposure to asbestos hazards are addressed in specific OSHA standards for the construction industry, general industry and shipyard employment sectors. These standards reduce the risk to workers by requiring that employers provide personal exposure monitoring to assess the risk and hazard awareness training for operations where there is any potential exposure to asbestos. Airborne levels of asbestos are never to exceed legal worker exposure limits. There is no "safe" level of asbestos exposure for any type of asbestos fiber. Asbestos exposures as short in duration as a few days have caused mesothelioma in humans. Every occupational exposure to asbestos can cause injury of disease; every occupational exposure

to asbestos contributes to the risk of getting an asbestos related disease. Permissible Exposure Limit (PEL) for asbestos is 0.1 fibers per cubic centimeter of air as an eight hour time weighted average (TWA), with an excursion limit (EL) of 1.0 asbestos fiber per cubic centimeter over a 30 minutes period.

6. Where there is exposure, employers are required to further protect workers by establishing regulated areas, controlling certain work practices and instituting engineering controls to reduce the airborne levels. The employer is required to ensure exposure is reduced by using administrative controls and provide for the wearing of personal protective equipment. Medical monitoring of workers is also required when legal limits and exposure times are exceeded.

B. Purpose of ACM Management Plan

7. The purpose of this Asbestos Management Plan (AMP) is to identify, use appropriate methodology and scientifically handling /disposal of the Asbestos Containing Materials (ACM) in order to comply with the applicable National legislation and International standards in sync with norms of ADB's SPS 2009. ADB has mandated as per prohibit the investment activities list - production of, trade in, or use of un-bonded asbestos fibers is deliberated. As per SPS 2009 Safeguard Requirement 1, it is emphasized "that the borrower/ client will provide workers with a safe and healthy working environment" in the work areas with accounted risks inherent to the work zone and defined safety instructions and standard operating procedures identifying roles and responsibilities.

C. Regulatory Frameworks for Asbestos Containing Materials

8. In India, there are several legislations that regulate the use and handling of asbestos as applicable, namely:
 - The Supreme Court of India – Banned ACM use in January 21, 2011.
 - National Green Tribunal - In pursuant to the above order, in 2015, NGT issued an order- "that there is no asbestos mining presently operational anywhere in the country and the operations of the mines of associated minerals with asbestos has also been halted."
 - Environmental (Protection) Act (1986) - Environmental monitoring.
9. Different standards applicable to the project is given in **Table-1** below-

Table.1: REGULATORY FRAMEWORK, STANDARDS AND PROTOCOL

Government of India Laws, Regulations and standards on Asbestos Applicable to the projects	Requirements for the project
IS 11768: 1986/ 2005: Recommendations for disposal of asbestos waste material	The standard emphasis that every employer who undertakes work which is liable to generates asbestos containing waste, shall undertake adequate steps to prevent and /or reduce the generation of airborne dust during handling, storing, transportation and final disposal of final disposal of asbestos and asbestos containing products. • The crux is waste avoidance: the practice inculcated should focus on the minimal waste generation. • Waste Collection: In the project circumstance, the waste is referred to the damaged powered asbestos which will

	be collected in the Permissible plastic bags to be disposed off to the nearest TSDF facilities.
IS 12081: Pictorial Warning to be implemented on equipment containing Asbestos Contaminated Products.	The objective of the caution is to make the person handling to take all pre-cautionary measures and make them aware of all the possible risk. 
IS 11451: Safety and Health Requirements related to Occupational Exposure to Asbestos contaminated Products.	In the project the norms pertaining to limiting number of hours working with ACM will be 8.0 hrs/48 hrs a week and the medical examination has to be periodic, the environmental monitoring has to be done as per the protocol. The safety at work place shall be enforced.
IS 11768: Waste Disposal Procedure for Asbestos Containing Products.	The protocol pertaining to disposal of the waste is emphasized, the collection of ACM powered will be in permissible plastic bags, which will be twisted tight at the neck so that the wear and tear due to abrasion will be minimum and the transportation of the asbestos waste has to be done by the authorized vendor to the approved landfill site that in the project case id TSDF.
Sampling of asbestos fiber (as per BIS-11450) has to be done regularly using personal sampler and determined using phase contrast microscope.	The sampling and analysis protocol is emphasized. Details are given as above.

D. Inventory of ACMs in Sardarshahar

10. Site visit of Sardarshahar town was conducted on 20.12.2022 along with SCE of CMSC-II Supt. Engineers, Contractor (L&T) safety staff. During visit no asbestos containing materials were present/ found throughout all sites. Photographs of site visit at different work sites/ subproject component is given and enclosed as **Annexure-3**.

11. Further; for the assessment of presence of AC pipes in existing water supply networks, Office

of the PIU was requested to provide information for the same from PHED vide letter no. RUIDP/PIU/SRD/929-936 dated 23.12.2021 & RUIDP/PIU/SRD/1350 dated 11.07.2022, respectively. Details of existing AC pressure pipeline has been provided by Executive Engineer, Public Health Engineering Department (PHED), Sardarshahar, District-Churu, Rajasthan informed vide their letter no. 2356 dated 12.01.2023 that total 10 kms AC pipes are present/ operational of different diameters (ranging from 80-125mm dia.) in the existing water supply system in the town as per record (refer **Annexure-2**). Therefore this 10 km AC pipe line is the only matter of concern for Sardarshahar, which need ACM management plan.

E. Provisions in the RSTDSP Project Regarding ACMs

12. Under RSTDSP projects, improvement in water supply system has been planned in the entire municipal areas of town. There is provision of replacement of entire AC pipes (irrespective of size, condition, diameter and age) and lay pipeline of HDPE/PVC/ uPVC as per contract specifications. Now, as the production and use of AC pipes is banned Pan-India, old/used AC pipes are of no use, therefore it is general practice that old AC pipes are not removed from the existing underground position and left in-situ and new proposed pipes are laid parallel to old AC pipes. Nevertheless, there are possibilities (like where there is not sufficient space to lay new pipes parallel to existing old AC pipes e.g. in narrow lanes and old city areas); that existing AC pipes are needed to be removed from their existing underground position to lay new pipe lines. In all such cases (though exceptional) mitigation measures will be required for handling, storage and disposal of ACMs in a safe manner to avoid health hazards to workers and nearby habitants. Following mitigation measures are suggested for the same.

F. ACM Removal procedures

13. ACM removal has to be checked in sync with the design and emphasis has to be laid to avoid the removal of ACM, in case it is unavoidable, then all the requisite safety measures are to be adopted as given below:
- Inform the Asbestos Expert/ HSE Expert prior to removal.
 - Isolate the area with access to only trained staff/ employees under supervision of Asbestos/ HSE Expert.
 - Exhibit all warnings
 - Undertaken Asbestos fiber Monitoring
 - The trained Employees have to be deputed for removal of ACM.
 - The removal ACM material has to be check with the status and extent of damage.
 - Efforts should be made to remove the ACM as minimal as possible.
 - The ACM removal has to be manual; it should neither be cut nor drilled.
 - All removal operation should be undertaken with ACM in wet condition.
 - The removed ACM will then be labeled and placed on permissible plastic sheet. It should not be put on ground directly.
 - The dimension of plastic sheet should be larger than the ACM placed.
 - If the ACM pipe is not damaged as about 4.0ft and above, the ACM will be subjected for in-situ disposal.
 - If the ACM is damaged and broken then it has to be packed in permissible plastic bags and disposed off to TSDF.
 - Prior to disposal it can be stored in isolated room-showing board of-Hazardous waste storage room.

- The hazardous waste to be disposed off to TSDF should not be stored over 90 days after the removal date of ACM at site.
- All the safety procedures and safety gears should be worn by all the employees engaged in the ACM Removal operation.
- The Asbestos fiber monitoring, soil monitoring has to be undertaken during the operation as well.
- The process of removal of ACM will be completed after the removed ACM and its suitably disposed off either in-situ or to the isolated room prior to disposal at TSDF.
- Post ACM Removal asbestos fiber monitoring has to be undertaken to ensure the work zone is safe to resume further operations.

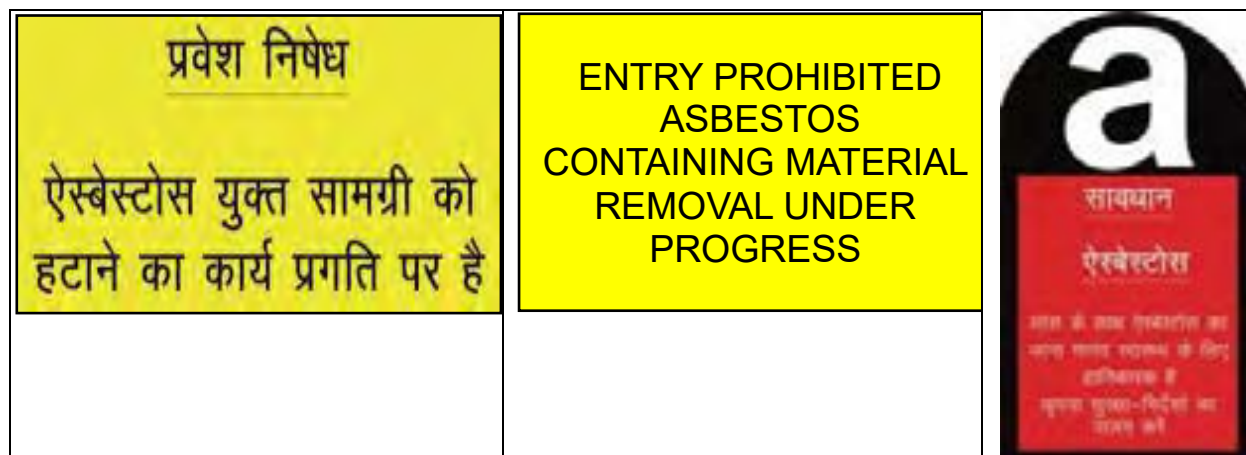


Figure 1: Asbestos warning signage during removal of ACM from site

G. Safe Practices in Handling ACM

14. Proper handling and PPE:

- Cover up and wear PPE (Personal Protection Equipment) including respirator or dust mask.
- Make sure the mask has two straps to hold it firmly in place. Don't use masks that only have one.
- Also wear a Hard hat, gloves, disposable coveralls with a hood, and safety glasses or goggles to protect eyes
- Do not eat, drink or smoke in the work area as you may inhale or eat dust. Wash your hands and face with soap and water before meal breaks and when finished work for the day.
- Do not use power tools Asbestos fibers can be released if power tools are used for anything other than the removal of screws.
- Do not water blast or scrub with a stiff broom or brush. It is illegal to water blast asbestos cement sheets. If the material has been accidentally water blasted or has suddenly deteriorated in some way, you should call a licensed asbestos removal DBO Operator
- Wet gently with water when removing asbestos cement pipes, use a pump spray to lightly dampen the pipes and keep the dust down. Remember: Not to water blast asbestos cement materials.
- Avoid drilling and cutting into asbestos products.
- Do not drill holes through and never cut instead remove the entire product and replace it with a non-asbestos product.

- Don't drop fiber pipes remove them carefully, Lower them to the ground, don't drop them, to minimize breakage.
- Lay plastic sheeting under the work area to prevent any dust contaminating the ground. Use 200 micron thick plastic sheeting or bags or as permissible these must not be made from recycled materials or re-used for any other purpose.
- The work area has to be barricaded and there should be no un-authorized person allowed. Only Trained ACM expert should be allowed to handle the ACM along with EHS Expert.
- Close windows and doors and seal vents to stop dust getting into the house; ask neighbors' to do the same.
- Seal off other places where dust can get in.
- Remove soft furnishings like rugs, clothes, jute bags from the work area, and seal anything with plastics if it cannot be moved.
- All the AC broken pipes have to be collected and stacked properly with 200 micron plastic wrapping with warning signage.
- Do not leave plastic sheet lying about where they may be further broken or crushed by people or traffic.
- Remove all ACM by the trained handler.
- Since we are amidst of dry climatic conditions due care must be taken to see that no waste broken pipes or fittings are left loose and outside the confined area and may be dampened as required.
- Mark and add signage.
- Due care has to be taken to collect the dampened waste in a permissible standard bags with proper warning signage's.

H. Storage of ACM Pipes

15. The removed undamaged ACM pipes have to be stacked properly as shown below to avoid any rolling of the pipes and eventual damage. The existing ACM Pipe stacking has to be re-handled to stack the ACM pipes properly. If the removed ACM Pipes is less than the full length of the ACM pipes, then separate stack of the same should be done with proper pre-caution and safety measures and gears (refer **Figure 2**).

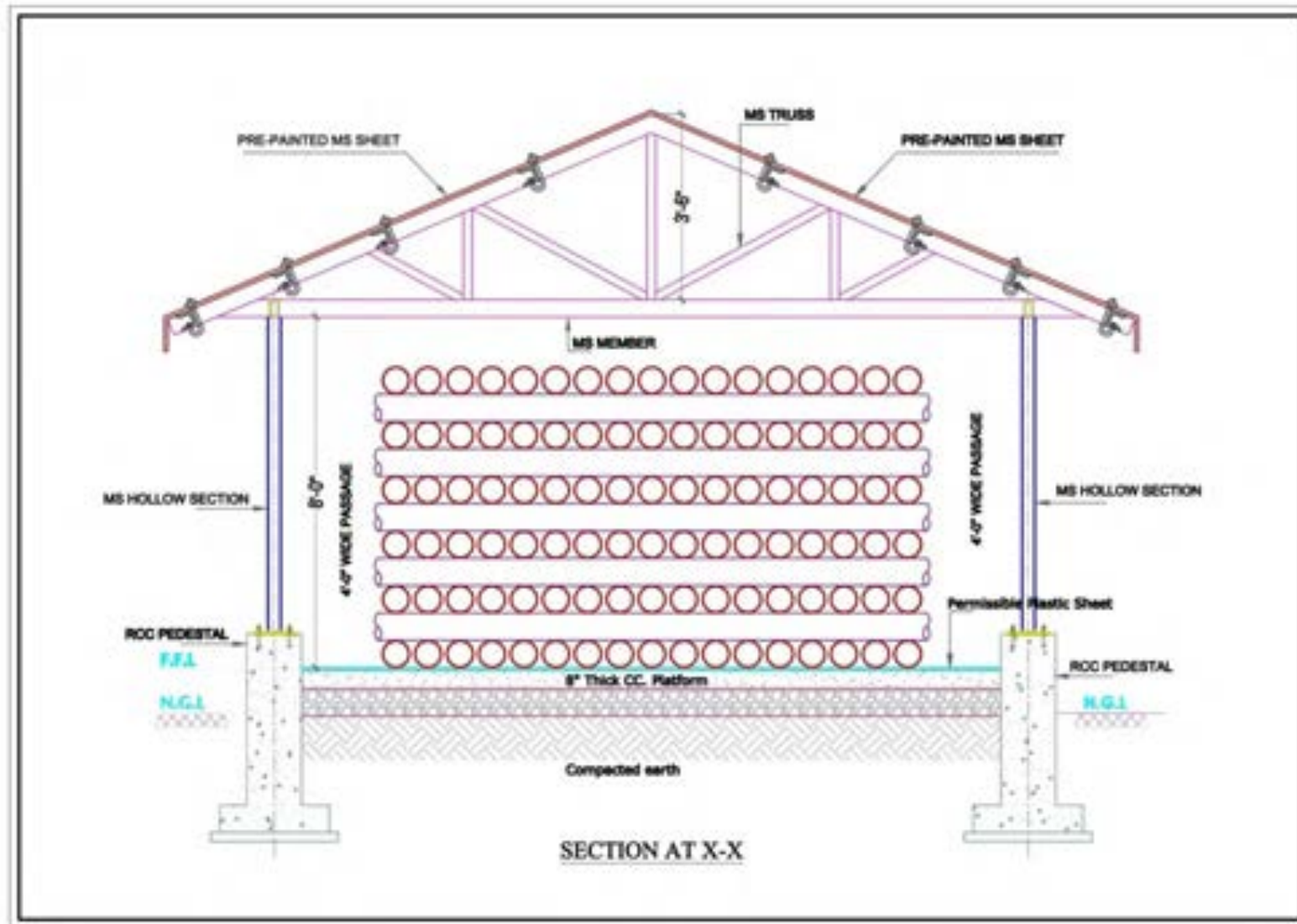


Figure 2: Schematic diagram showing ACM Pipes stacking

16. The ACM stack has to be enveloped with proper fencing showing internal movement of person with 4.0ft corridor all around the stack. The storage area will have display of all requisite warning and access control of the authorized person's entry and exit (refer **Figures 3 & 4**).

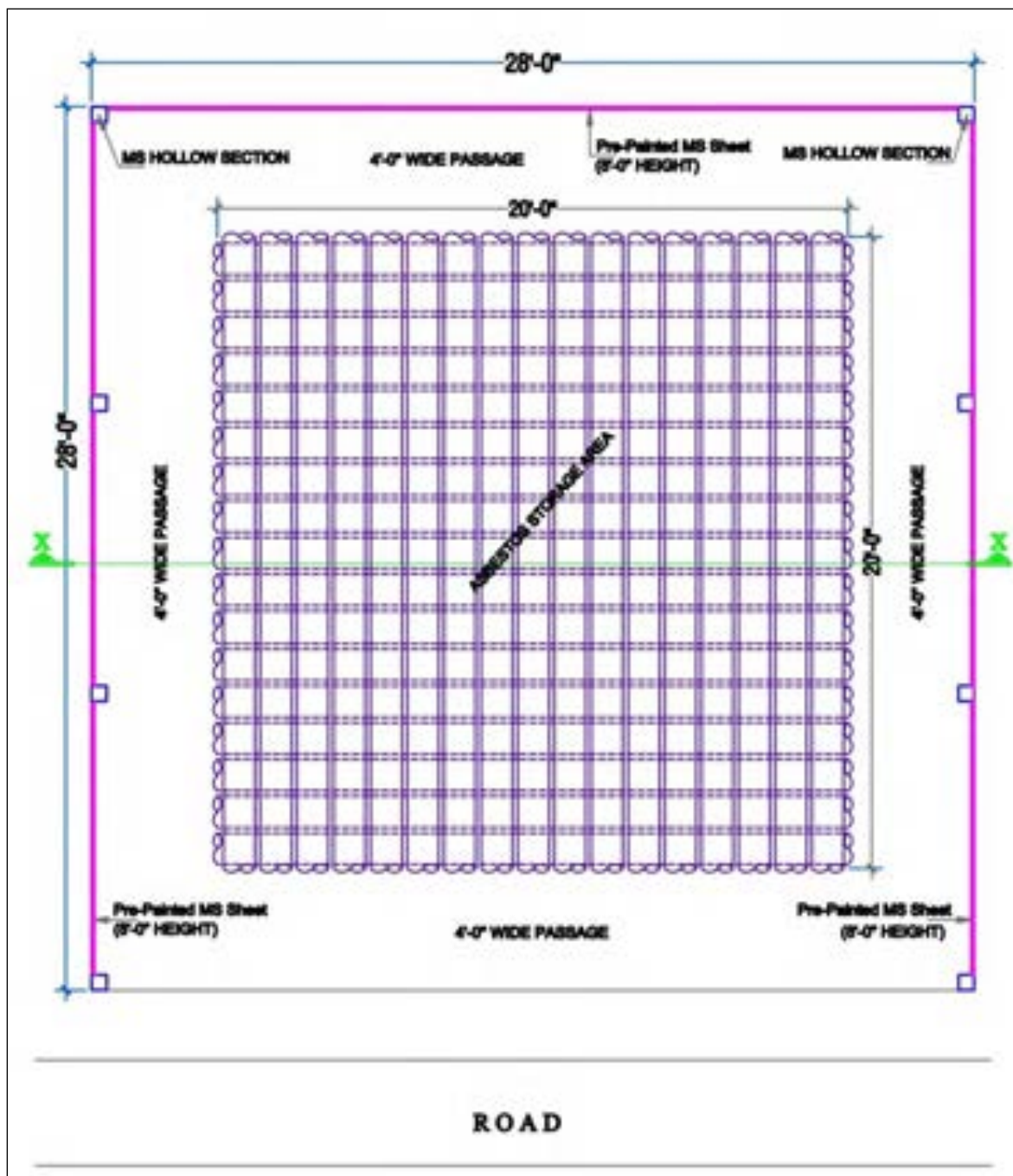


Figure 3: Schematic diagram showing ACM Pipes storage area

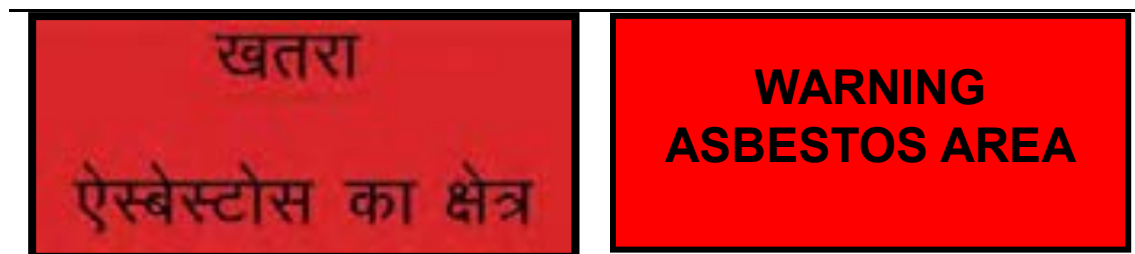


Figure 4: ACM: In-situ storage warning

I. Disposal of ACMs

17. The wastages packed have to be disposed off to Treatment, Storage or Disposal Facility (TSDF). Label/ display for TSDF disposal bags has to have clear display of the content in both English and local language as displayed under:

- a. Waste Type:
- b. Date of packing:
- c. Qty/ Numbers:
- d. Packed by:
- e. Warning Signage:
- f. Disposal

18. It will be responsibility of DBO contractor and PIU to send the ACMs to authorized agency for final disposal of ACMs. List of approved Treatment, Storage and Disposal Facilities (TSDF), who deal with ACMs in Rajasthan is given below-

Table 2: LIST OF APPROVED TSDF OPERATORS IN RAJASTHAN

S.No	Operator	Address	Remark
1.	Rajasthan Waste Management Project (M/s. Ramky Enviro Engineers Ltd)	Survey 1018/13, Vill-Gudli, Tehsil-Mavli, Zinc Choraha to Debari Railway Station Road, Dist, Udaipur (Rajasthan).	This TSDF is for all kind of hazardous waste as listed in the hazardous waste (Management & Handling) Rules.
2.	Ramky Enviro Engineers Ltd, Balotra	Ramky BWMP Rd, Rajasthan 344032.	This TSDF is for all kind of hazardous waste as listed in the hazardous waste (Management & Handling) Rules
3.	Continental Petroleum Ltd	Behror, Distt- Alwar	Only for Incineration

:

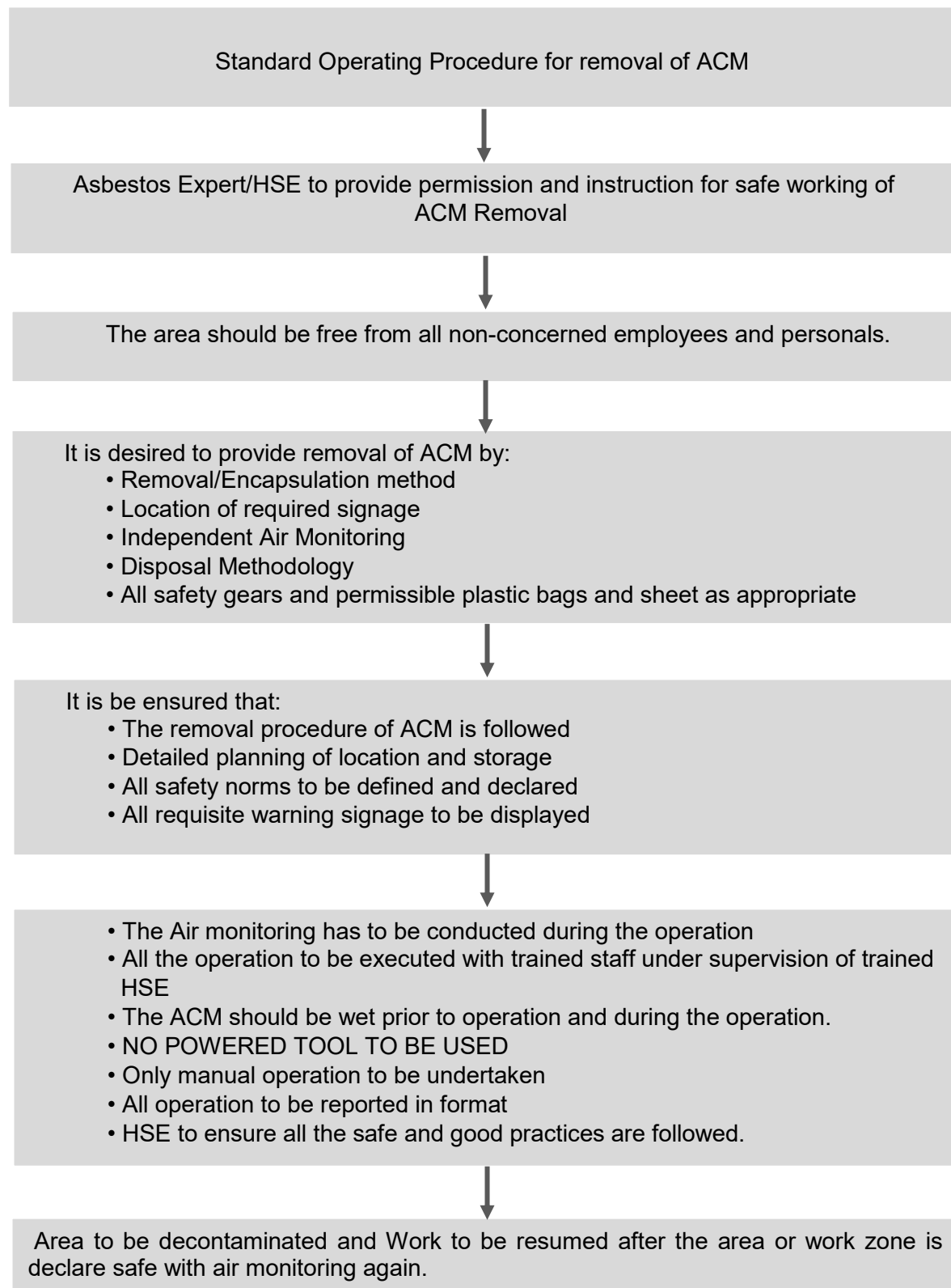


Figure 5: Map of the locations of approved TSDF in Rajasthan.

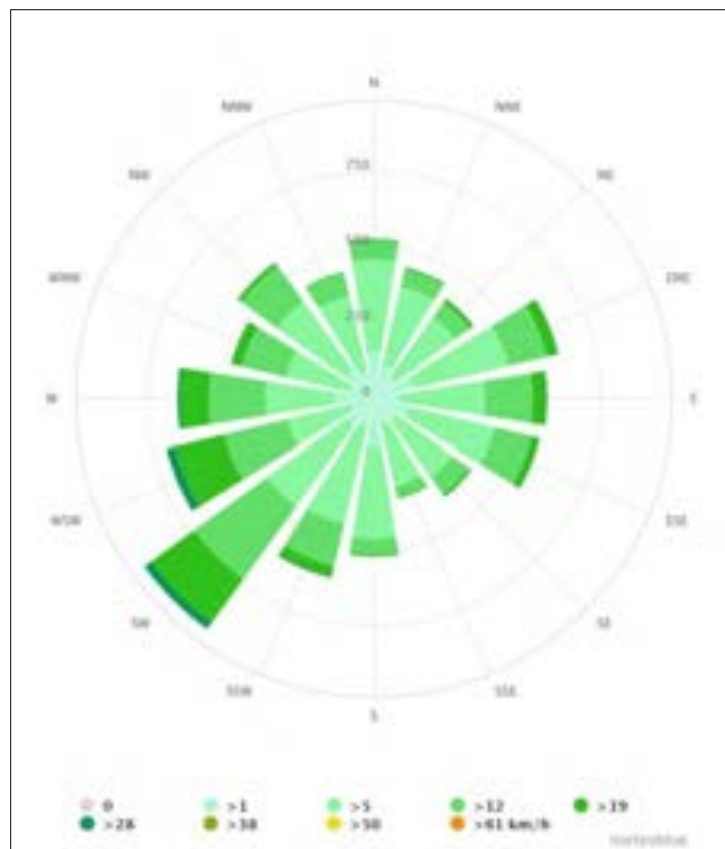
19. All the records in the pre-determined format are to be maintained and the disposal as stated in the applicable National legislation is to be followed. Any innovative use of the discarded ACM with the permissible law frame must be approved by respective Regulators prior to practice.
- J. Standard Operating Procedures (SOPs) for Handling, Transportation and Disposal of ACMs**
20. Two Standard Operating Procedures (SOPs) are prepared for safe handling, transportation and disposal of ACMs. These SOPs are to be followed by DBO contractor if ACMs is encountered at any site.
21. **Standard Operating Procedure-01-** are as follows-
 - a. Objectives – to keep the work zone safe and secured.
 - b. Requirements—identify all the requirements needed for handling AC in the specific site and project
 - c. Conduct and ensure awareness and vocational training to ACM handlers
 - d. Conduct a comprehensive identification and risk assessment of ACMs
 - e. Apply restriction/ re-handling of ACM on ground-use of PPE. Ensure that workers handling ACM have the right PPEs as follows:
 - Hard helmet
 - Overall suit
 - Gloves
 - Mask to be strapped tight
 - Safety goggles
 - Safety shoes
 - Ear plugs

- f. Avoid underground encountering of ACM
 - Ensure that an authorized person (HSE) is supervising the work
 - Barricade the area with signage
 - Damp ACM
 - Use safety gears
 - Dismantle ACM to be labeled, kept on plastic grounding and packed in permissible bags
 - Label the bags properly
 - Ensure shipping to proper disposal sites
- g. Site selection – the disposal site should be ready to handle ACM and protect the nearby people as well. The site selection criteria are as follows:
 - Away from habitation
 - Avoid low lying areas
 - Away from water storage
 - To be enveloped with minimum of 8-feet height enclosure
 - Avoid high vertical stacks
 - Access controlled
 - Proper signage enclosure
- h. Proper re-handling of ACM, labeling and packing
- i. Control access and ensure proper monitoring of records, specifically:
 - i. Environment
 - ii. Health
 - iii. Reporting to regulators
- j. Dispose the ACM through qualified DBO Operators up to the Total Sanitary Disposal Facility (TSDF)

22. Outline of SOP-1 is given in below Figure-

**Figure 6 -Standard Operating Procedure Flow Sheet**

23. **Standard Operating Procedure-02-** SOP-2 is formulated for Asbestos Fiber Monitoring, Analysis and Identification. SOP-2 is described as follows -
24. **Principle-** The collection of environmental samples including air must follow an appropriate sampling procedure. A review of method for sampling of asbestos fibers has been published (IPCS, 1986). The most commonly used analytical method involves phase contrast optical microscopy (PCOM) in the work place and transmission electron microscopy (TEM) in the general environment. The phase contrast optical microscopy (POCM) is universally recommended for asbestos analysis (Eache and Groff, 1997; Dion and Perrault, 1994) including Bureau of Indian Standard. POCM coupled with polarized light is largely used for asbestos analysis in solid samples (USEPA, 1993). The fiber monitoring has to be done by any NABL/ MOEF&CC accredited laboratory either in-house or by third party.
25. **Monitoring of Asbestos Fiber in Air-** A general survey of inside and outside the storage sites of the work zone has to be conducted to choose the sampling sites. Sampling is to be carried out at visually selected locations appeared more prone to emission or possibility of release of asbestos fiber. The sample collected by drawing a measured quantity of air through cellulose ester a membrane filter by a battery operated sampling pump that was fully charged to operate continuously over the chosen sampling time. The exposed filters will then be placed into plastic petri dishes and transferred carefully to the laboratory.
- The predominant average hourly wind direction in Sardarshahar varies throughout the year. The wind is most often from the south west. Predominant wind blows from south west to north east direction.



26. Two types of samples are to be taken, one within the workers breathing zone that is 300mm radius extending in front of the face, and measured from the midpoint of a line bisecting the ears called personal samples. The samples taken at a fixed location mostly near to the source point called area or static samples. Personal sampler model "XX 5700000" and low volume vacuum/pressure pump model "XX5622050" attached with monitor or cowl model "MAWP025AC" of Millipore Corporation, USA are to be used for the collection of personal and area samples, respectively. The flow rate of pump is to be adjusted to 1litre per minute. The flow rate checked before and after in each monitoring, those samples showing the difference by >10 percent from the initial flow rate are to be rejected. In both the samples filter holder (Cowl) always pointed downward position to avoid the deposition of heavy particles. An ester cellulose membrane filters "AAWP02500" having 0.8 µm-1.2 µm pore size diameter are to be used throughout the sampling for asbestos counts at work environment.

27. **Mounting Procedure** - Complete filter is to be placed on clean microscopic slide, dust side up at room temperature. Electrostatic force keeps the filter usually on the slide. Filters are to be exposed to acetone fumes and triacetin (Glycerol triacetate, Sigma). In this procedure a small quantity of acetone in round bottom flask (500-1000ml) heated at the boiling point underwater bath, the vapors condensed in a simple condensing column. When the sufficient fumes of acetone become ready then pass it throughout on the filter for 3-5 seconds at a distance of 15-25mm. put the 1-3 drops of Glycerol Triacetate (Triacetin) on the acetone-cleared filter. Place a cover slip on cleared filter by avoiding the air bubbles. Heat the cleared filter at 50°C for 15 minutes and leave it at room temperature for 24 hours under the action of triacetin to clear entire filter. Alternatively, membrane filter can also be made transparent with immersion oil (Leica Microsystems Wetzlar GmbH, Wetzlar). Using a phase contrast microscope with polarized light, Laborlux S (of M/s Leica, Germany) and then counting has to be done at magnification 400X-500x.

$$C = A/a \times N/n \times 1/r \times 1/t$$

Where:

C= concentration in fibers per cubic centimeter rounded to first place of decimal,

N = total no. of fiber counted,

n = number of graticule areas observed,

A= effective filter area in mm²

a= graticule counting area in mm²,

r= flow rate of air through filter in cm³/min., and

t= single sample duration in minutes

28. To rule out the probability of the air borne asbestos in the existing scenario at the said site as well as other similar sites at the different work zones, it is necessary to have the asbestos fiber monitoring and sampling counts to be recorded at regular intervals. The environmental air sampling stations will have to be minimum three at 120 degree angle, within 1000-500m from the ACM. The sampling frequency has to be in all three stages-Pre-Construction, Construction and Post Construction, while the personal sampling has to be done as stated above.

29. Bureau of Indian Standards (BIS) Guidelines for Safe Use of Products containing Asbestos states that "Asbestos cement products (such as AC pipes) generally contain about 10-15% Asbestos fibers in a cement matrix that comprises the rest of the materials and are termed as locked in asbestos products as these products have the asbestos fibers bound in cement. The possibilities of air borne asbestos fiber will be in case of mishandling of encountered pipes

with unsafe practice. During storing and installation; recommended work practices shall be followed to avoid harmful exposure". According to Hazardous and Other Wastes (Management and Trans-boundary Movement) Rules, 2016, any waste with asbestos concentration limit of 10,000 mg/kg (*i.e.* 1%), however this will apply only if the asbestos containing substances are in a friable, powdered or finely divided state. Under the Basel Convention²⁰, asbestos or asbestos waste in the form of dust and fibers is classified as hazardous waste.

K. Roles and Responsibilities with Estimated Cost for ACM Management

30. This contract under RSTDSP is Design, Build and Operate (DBO); therefore primary responsibility of ACM management is of DBO contractor. RUDSICO-EAP (formerly known as RUIDP); being principal employer has to ensure that ACM Management Plan is being implemented as per applicable rules and regulations. Roles and responsibilities of different entities and estimated cost of implementation of ACM Management Plan is given in below table-

Table 3: Roles and Responsibilities and Cost Estimates

PRE-CONSTRUCTION				
Activities	Responsibilities	Associated Documents	Estimated Cost	Remark
Design to encounter minimal ACM, and then Identification & Inventorization ACM - AC pipes & fittings	RUDSICO-EAP & DBO CONTRACTOR	Form-I (refer Annexure-1)	Rs.100/km	The onus of the minimal encounter of ACM is vested upon the RUDSICO-EAP and inventory will be with the DBO Operator and has to be annually verified by RUDSICO-EAP.
Define & confine ACM storage area-in-situ			Rs.65/Sq.m	The storage area made available will be confined and fenced.
Warning signage near the ACM work site, storage and on AC pipes in local language**			Rs.500/label	The signage labels can be printed, sticker pamphlets or painted.
Training of personals handling the AC pipes and fittings	DBO CONTRACTOR	Form-II (refer Annexure-1)	Rs.1000/Person	All requisite safety gears should be made available at all sites.

²⁰ Basel Convention on the Control of Trans-boundary Movements of Hazardous Wastes and their Disposal, adopted in 1989

Use of safety Gears			Rs.6000/Person	All the safety gears should be silicon based and suitable for Asbestos protection.
Briefing of Emergency Response Plan			Rs.500/Person	All the risk zones with respect to white card has to be briefed.
Confined storage with access control plan			Rs.5000/site	Inward and outward movement of authorized person must be allowed and has to be guarded or should be under key control.
Pre-history medical records of the ACM handling team			Rs.3000/ Person	All requisite medical test, Respiratory test, lungs/ Chest X-ray/CT Scan, Blood Test, Lower Abdomen examination etc.
CONSTRUCTION PHASE				
Monthly Inspection & Annual Environmental Monitoring.	DBO CONTRACTOR	Form-III (refer Annexure-1)	Rs.40,000/ sample	The sampling zone should be 500m from the storage site and personal sampling has to be as per SOP-2.
Reporting in SEMR	RUDSICO-EAP/ DBO CONTRACTOR	None	Nil	As per ADB Format
Collection of Health records in compliance to the local laws	DBO CONTRACTOR/ RUDSICO-EAP/ PHED/ LSG	Form-IV (refer Annexure-1)	Nil	For regular evaluation & identification of any abnormality.
Ensure adoption of all standard operating procedure		SOP-1 & 2	Nil	As revision desired on basis of Site specific information may be upgraded in the SOP-1 & 2 if required
Collection, Segregation, Reception and Disposal as per National norms of ACM		Form-V (refer Annexure-1)	Nil	Standard Regulatory format has to be filled and disposed off within 90 days.
Use of safety gears prior to handling of ACM based on White Card.		White Card- Page-11	Nil	Periodic training can be site specific
Disposal of ACM to the indentified TSDF Facility to be done as per procedure within or prior to 90 days		SOP-2	1500/ton of waste plus freight as per actual.	Within 90 days from the generation of waste, in case of existing waste it has to be disposed off within 90 days from the Project Start.

To inform and fill the returns in the prescribed manifest as per HWMR.		Form-V (Form-10 of the Rule HWMR- refer Annexure-1)	Nil	90 days from the start of work
To facilitated a restricted confined storage space with access control with proper inventorization.		Form-II (refer Annexure-1)	Nil	Site Specific
In-situ storage of ACM.	DBO CONTRACTOR	Form-VI (refer Annexure-1)		The storage of existing and encountered ACM pipes (more than 4.0ft) will be stacked end to end at 90 deg. With vertical stacks, 8 inches above the ground, covered with permissible plastic sheet. The campus custodian – viz. PHED etc. should also be informed about the In-situ storage of ACM and its impact.
ACM removal	DBO CONTRACTOR	--	--	Follow ACM Removal
Record maintenance of ACM in-situ and disposed off to TSDF	DBO CONTRACTOR	Form-I & Form-IV (refer Annexure-1)	Nil	The copies of inventory generated and collected will have to be shared with Land Custodian (LC), RUDSICO-EAP and DBO Operator. To distinguish the forms they can be numbered. FORM-I (LC), Form-IV (LC)
Transits ACM storage of waste to be disposed off to TSDF	DBO Contractor	Form-IV (refer Annexure-1)	50,000/ room	An isolated storage room should be constructed with 10x10 with height of 3.5 ft roofed properly for transit disposal of ACM to TSDF. DISPOSABLE ASBESTOS WASTE STORAGE ROOM HAZARDOUS WASTE CATEGORY-15.2 (As per Hazardous waste management & Handling Rules 2015).
POST CONSTRUCTION PHASE				

Compliance of AAQM, Asbestos Fiber monitoring and Soil Quality monitoring and Periodic Work zone monitoring (Asbestos fiber count) records to be maintained	DBO Contractor	SOP-2	Rs.40,000/ sample	The Asbestos Fiber count monitoring has to be conducted prior to ACM handling operation and after ACM Handling operation by an Accredited Laboratory. List of accredited laboratory will be available at Rajasthan State Pollution Control Board website- rspcb.nic.in
Health records & Periodic Medical Checkup of the personals handling ACM to be maintained.	PHED/ LSG/ DBO CONTRACTOR	Form-II (refer Annexure-1)	Rs.3000/ Person	All the concerned employees deputed to handle or deal with ACM has to have Pre medical history and periodic medical examination done

L. Emergency Response Plan (ERP) & Chance Find Protocol

31. The emergency procedures should include managing an uncontrolled release of asbestos materials into the workplace. The onus of the same shall be ensured with immediate action of the field staff-DBO Operator/ HSE Staff. Steps should be taken to:

- Warn anybody who may be affected.
- Exclude from the area anyone not needed to deal with the release.
- Identify the cause of the uncontrolled release.
- Regain adequate control as soon as possible.
- Make sure anyone in the work area affected, who is not wearing personal protective equipments (PPEs), including respiratory protective equipment (RPE), leaves the affected area immediately.
- Minimize the spread of asbestos by ensuring they are suitably decontaminated.
- Clean up dust and debris.
- Decontaminate anyone who is contaminated with dust and debris.
- Ensure rags, clothing or PPE is decontaminated or disposed of as contaminated waste.
- Consider alone and/or remote workers to ensure they can alert someone if necessary.

Check what you're working on before you start:

- Avoid using a sweeping brush as this can spread asbestos.
- Make sure no unauthorized personnel enter the area.
- The clean-up of any accidental release of higher risk materials, e.g. asbestos cuttings, powered asbestos that may release the asbestos fibers, to be done by authorized person

32. Flow chart of ERP is shown in below Figure 8 -

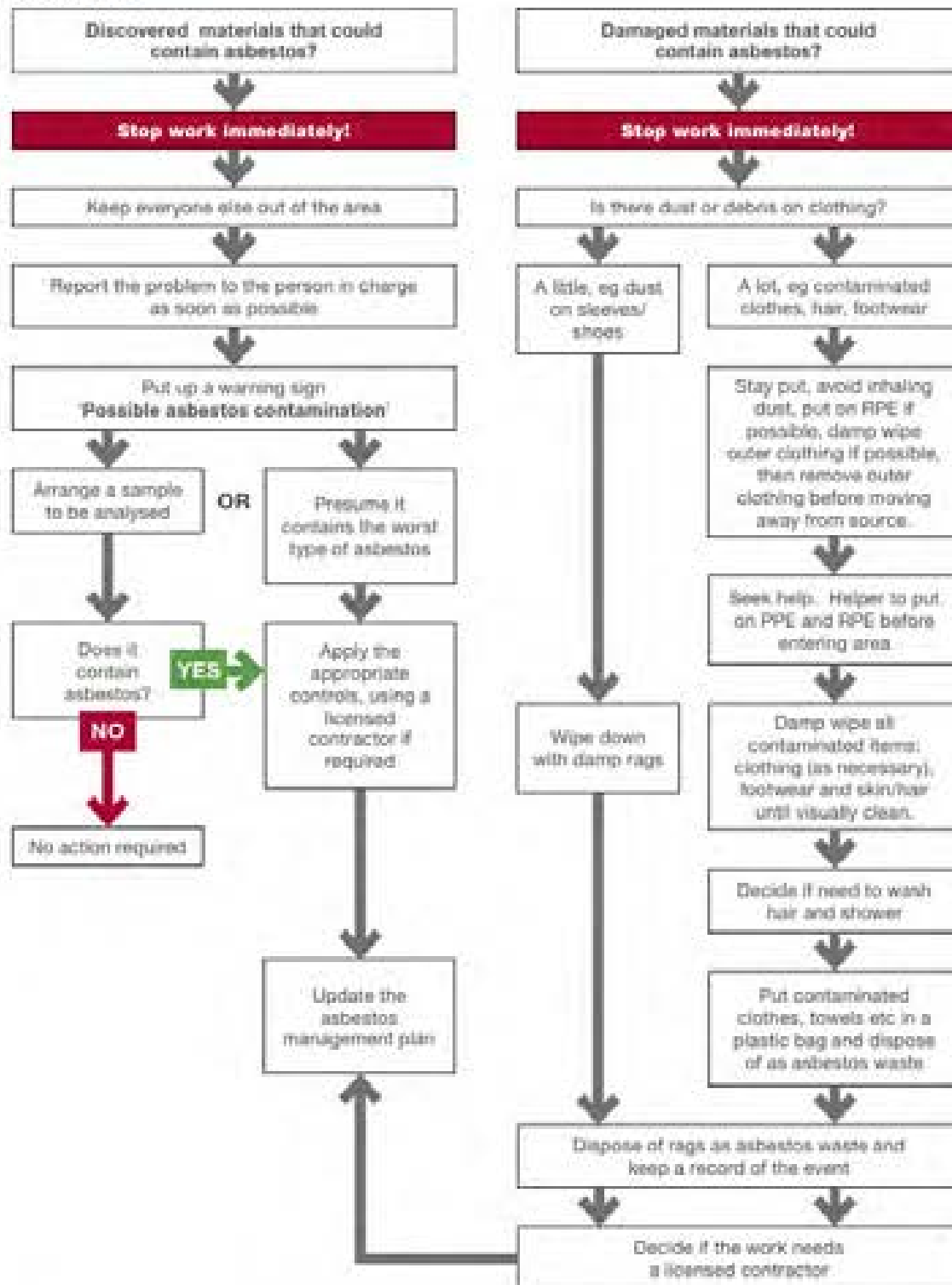


Figure 8: Flow chart of ERP

33. The format of Inventorization & records at all locations must be maintained irrespective of generation of ACM waste. The format of documentation must be uniform in order to track and trace the details as desired.

Summary of Asbestos Management Plan

Field	Anticipated Impact	Mitigation Measures	Responsible for Implementation/ Monitoring	Remark
Clearing, transfer and disposal of ACM pipes	Possibilities of air borne asbestos if handled unsafely, cut, drilled or broken into pieces that may cause: ☐ Inflammation of the lungs ☐ Mesothelioma ☐ Peritoneal mesothelioma ☐ Pleural plaques ☐ Asbestosis ☐ Bronchogenic Carcinoma ☐ Second hand-exposure	Implement the AMP strictly that includes identification of hazards, the use of proper safety gear and disposal methods.	DBO Contractor /RUDSICO-EAP	There has to be a suitable call to be taken for in-situ disposal if the removed ACM pipes are not damaged, full length or 4.0ft length not damaged.
Work in narrow streets	Possibilities of air borne asbestos if handled unsafely cut, drilled or broken into pieces that may cause: ☐ Inflammation of the lungs ☐ Mesothelioma ☐ Peritoneal mesothelioma ☐ Pleural plaques ☐ Asbestosis ☐ Bronchogenic Carcinoma ☐ Second hand-exposure	Conduct awareness program on safety during the construction work. Undertake the construction work stretch-wise; excavation, pipe laying and trench refilling should be completed on the same day. Provide barricades, and deploy security personnel to ensure safe movement of people and also to prevent unnecessary entry and to avoid accidental fall into open trenches. Identify risk of intervention with existing AC pipes. If there is significant risk, implement the AMP strictly that includes identification of hazards, the use of proper safety gear and disposal methods.	DBO Contractor/ RUDSICO-EAP	All provision of safe working with proper signage has to be undertaken prior to work initiation, during the work and after the work.

Field	Anticipated Impact	Mitigation Measures	Responsible for Implementation/ Monitoring	Remark
Interventions in existing AC pipelines	Possibilities of air borne asbestos if handled unsafely cut, drilled or broken into pieces that may cause: ☐ Inflammation of the lungs ☐ Mesothelioma ☐ Peritoneal mesothelioma ☐ Pleural plaques ☐ Asbestosis ☐ Bronchogenic Carcinoma Second hand-exposure	Appropriate actions as defined in the Asbestos Management Plan will have to be adhered to	DBO Contractor/ RUDSICO-EAP	Measure to avoid the encounter & removal has to be prioritized and if the same is not avoided then the measures stated have to be strictly followed.
Documentation /record	Unmonitored ACM might be handled incorrectly and can cause release of airborne asbestos	To be formatted and kept as mentioned in the Asbestos Management Plan	DBO Contractor/ RUDSICO-EAP	To be kept intact for easy tracking and reference in legible format. The same can be kept in soft format as well.

Annexure 1: Formats of ACM Management**FORM I – ASBETOS INVENTORY, INSPECTION AND ACTION FORM**

Format: RUDSICO-EAP/ IIA/ LOCATION/ NAME OF DBO CONTRACTOR/ HSE 002/ YEAR		
Location:		
Site co-ordinates:		
Elevation:	Team:	
Date of visit	Sign:	
Present Status		Indicate if installed, operational, in storage, etc.
Original age		Months or years since installation
Diameter		mm or inches
Length		meters
Volume		
Total packet		
Packing date		
Disposal date		
Existing Site (Photo or illustrations):		
Illustration/ Design of Activities On-site with respect to existing asbestos (include details such as size of new pipes, distance from existing AC pipes, other notable observations)		
DBO Contractor Handling Asbestos:		
Number of persons handling waste		
Medical Records		
Safety Gears		
Vocational Training Last Conducted:		
Number of attendees:		
Conducted by Schedule:		
Required Actions:		
Remarks		
Conclusion/ Remark		
HSE Signatory		

FORM-II – MATRIX FOR TRAINING & RECORDS

Format: RUDSICO-EAP/ INSP. MATRIX/ LOCATION/ NAME OF DBO CONTRACTOR/ HSE 001/ YEAR			
S. No.	Aspects of ACM	Check points	Remarks
Training Schedule:			
Trainer Details:			
Date/Location of Training:			
Number of attendees:			
Training Schedule, Training Materials & Attendance Sheet, Feedback of Trainees.			
Understanding of:			
A. DOCUMENTS AND RECORDS			
1.	Site Inventory		
2.	List of ACM storage and installation points		
3.	Structure of ACM management committee		
B. INVENTORY			
1.	Inventorization of ACM		
	Number of ACM/ pipes		
	Dimensions of ACM/ pipes		
	Total volume of ACM/ pipes		
2.	Storage facility/ installation location:		
A.	In-use	Location	
		Condition	Intact/ damaged
		Purpose	
		Accessibility by the workers	
		Evidence of physical damage and approximate size (length, width, volume) without coming into contact with	
		The damaged ACM	
		Impacts on the environment (Based on Asbestos fiber Monitoring)	
3.	LABELING AND SIGNAGE		
	Notification to workplace safety and health		
	Working instruction		
	The risks associated with exposure to asbestos fibers		
	Cautionary statement to not disturb materials containing asbestos		
4.	PERSONAL PROTECTIVE EQUIPMENT (PEP)		
	Record of pep		
	Mask		
	Eye glasses		
	Gloves		
	Ear muffs		
	Others		
	Training		
	On occupational risks of asbestos to the workers	Date:	
		Time:	
		In-house/ external:	
		Faculty:	
		No of workers attended:	

	Training for maintenance, repair and renovation	Date: Time: In-house/ external: Faculty: No of workers attended:
	Training for workers working with asbestos	Date: Time: In-house/ external: Faculty: No of workers attended:
	Periodic air quality monitoring records	• Within the permissible limits • Not within the permissible limits (specify the reason)
	Workers medical check-up records	Date: In-house/ external: Performed by: Remarks: No of workers attended:
Conclusion/ Remark HSE Signatory		

The all the data required in Form-II will be filled by the DBO Operator (HSE-Officer), the records of this document has to be maintained for a pre-decided life. Details of training imparted have to be file with appropriate evidence like photographs, feedback form, videos etc. There has to be a proper documentation of the records kept with highest level of transparency to retrieve, trace and track the records as necessary. The records maintained by the DBO Operator, has to be audited regularly by the ACM-Expert.

Form-I has to be accompanied with Form-II. Defined period of Air Quality monitoring and health will have to be minimum twice a year. Where ever the fiber counts are found/ recorded beyond the permissible norms, corrective action, like:

- ☐ Cordon off the area of ACM
- ☐ HSE team with trained experts to be deputed for the task
- ☐ Moisten the ACM prior to handling
- ☐ Storage area of the ACM stacks to be covered
- ☐ The damaged/deteriorated ACM to be re-handled in presence of Asbestos Expert/ HSE (Trained) with all defined norms and safety gears.
- ☐ Disposal of damaged/deteriorated ACM to be done as per the Norms.
- ☐ Records of disposal to be maintained.
- ☐ Keep all requisite evidence in form of documentation, geo-tagged photographs etc.
- ☐ Frequency of health monitoring at such locations to be increased.

Form-III- AIR QUALITY MONITORING AND RESULTS

Format: RUDSICO-EAP/AQMR/ LOCATION/NAME OF DBO CONTRACTOR/HSE 003/YEAR			
Vendor details			
Approvals			
S.No.	Location	Agency	Results & Permissible Norms
Conclusion/ Remark			
HSE Signatory			

FORM-IV-MEDICAL HISTORY

Format: RUDSICO-EAP/MH/ LOCATION/NAME OF DBO CONTRACTOR/HSE 004/YEAR								
Employee code:								
Employer Details:								
PPE Used:								
Insurance/ESI								
S.No	Name	Age/ Sex/ DBO	Address/ Contact details:	Period of Employment/ Job Title	Pre-History		Doctor's comments	HSE Remarks
					Height			
					Weight/ BMI			
					Blood group			
					X-Ray			
					CT Scan			
					others			
					Smoker: Tobacco: Alcohol Consumption: Family History: Medication if any: Eye sight: Hearing: Others:			

FORM -V**[FORM-10- as per rule 19 (1) of Hazardous waste Handling & Management Rules-2016]****MANIFEST FOR HAZARDOUS AND OTHER WASTE**

1.	Sender's name and mailing address (including Phone No. and e-mail)			
2.	Sender's authorization No.		•	
3.	Manifest Document No.		•	
4.	Transporter's name and address: (including Phone No. and e-mail)			
5.	Type of vehicle		•	(Truck/ Tanker/ Special Vehicle)
6.	Transporter's registration No.		•	
7.	Vehicle registration No.		•	
8.	Receiver's name and mailing address (including Phone No. and :)		(e-mail)	
9.	Receiver's	Authorization	No.	
10.	Waste description		•	
11.	Total quantity No. of Containers		•	m ³ or MT Nos.
12.	Physical form			(Solid/ Semi-Solid/ Sludge/ Oily/ Tarry/ Slurry/ Liquid)
13.	Special handling instructions and additional information			
14.	Sender's Certificate		I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labeled, and are in all respects in proper conditions for transport by road according to applicable National Government regulations.	
	Name and stamp:	Signature:	Month	Day Year
15.	Transporter acknowledgement of receipt of Wastes			
	Name and stamp:	Signature:	Month	Day Year
16.	Receiver's certification for receipt of hazardous and other waste			
	Name and stamp:	Signature:	Month	Day Year

FORM –VI: IN-SITU STORAGE OF ACM

S.No	Activity	Number of Stacks	Area occupied	Details of ACM Pipes		Day/ month/ year of storage
Site History						
For existing Stacks, details of re-handling of pipes in number or volume to be mentioned under supervision of Authorized Experts.						
Details of Location of re-handled ACM storage, new area should be • Minimum 10-15 ft away from campus habitation. • 250m away from the water sources. • 500-800m away from Children play area. • The area should be isolated and covered from all the sides with restricted Access for Authorized Experts Only. • Register to be maintained for Entry & Exit of personals. • Register to be maintained for Entry & Exit of ACM • Labels to be displayed in legible format • Specific training of ACM to be inducted in the ACM storage area for residing population in the campus.						
Details of transit storage of ACM to be maintained as per norms in an isolated storage room full covered						

Annexure 2: Details of AC pipes in Existing Water Supply Networks in Sardarshahar

कार्यालय अधिशाषी अभियन्ता (परियोजना) जन स्वा. अभि. विभाग
नगर खण्ड सरदारशहर

क्रमांक: 2356

दिनांक: -12/01/2023

श्रीमान अधिशाषी अभियन्ता,
आरकूआईटीपी सरदारशहर।

विषय:- शहरी जल योजना सरदारशहर पर ए.सी. प्रेशर पाईप लाईन का विवरण।

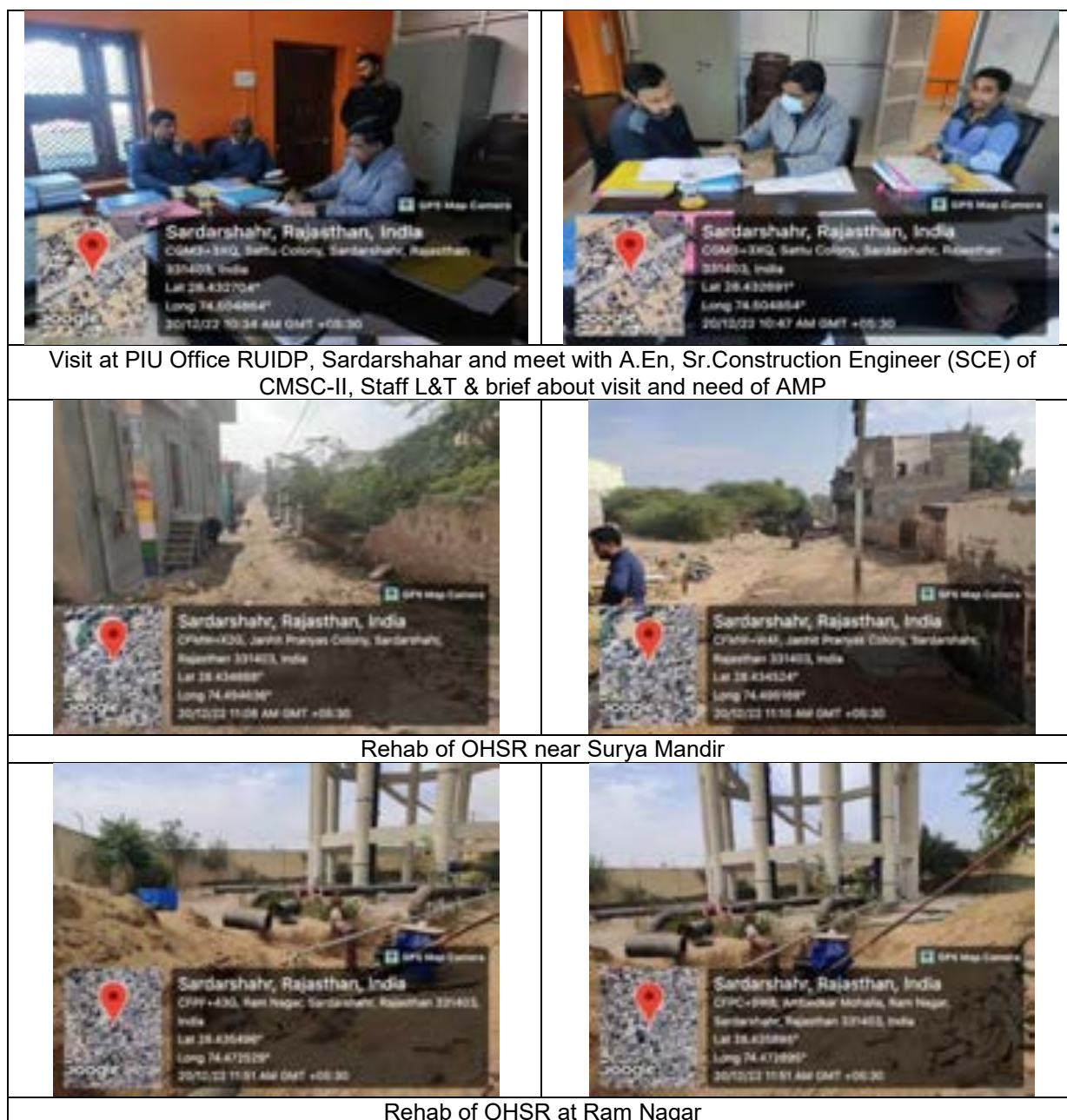
संदर्भ:- आरकूआईटीपी के पत्रांक 1350-58 दिनांक 11.07.2022 के क्रम में।

उपरोक्त विषयान्तर्गत निवेदन है कि आप द्वारा जारी गई सूचना इस कार्यालय में उपलब्ध
रिकार्ड अनुसार निम्नानुसार है:-

SRL No.	Pipe Material	Pipe Dia (MM)	Length
1	AC	80	3.75 m/m
2		100	4.25 m/m
3		125	2.0 m/m
4		150	—
5		200	—

24
अधिशाषी अभियन्ता
जन. स्वा. अभि. विभाग,
खण्ड सरदारशहर।

Annexure 3: Site Visit Photographs of Sardarshahar Town





Environmental Monitoring Report

PUBLIC

Semestral Report: April 2024 – September 2024
December 2024

India: Rajasthan Secondary Towns Development Sector Project

Part 3 of 4: Appendix 6(Continued) and Appendix 7 - 11

Prepared by Rajasthan Urban Drinking Water Sewerage and Infrastructure Corporation Limited,
Government of Rajasthan for the Asian Development Bank (ADB).

Asian Development Bank

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Conclusion:

Visited the Sardarshahar town dated on 20/12/2022 and meet with the Official of PIU, Assistant Engineer- RUIDP-PIU along with SCE CMSC-II. Detail discussion with Assistant Engineer and SCE of CMSC-II regarding Asbestos Management Plan and purpose of visit. During discussion detail deliberation such as issues of Asbestos pipes occurring during excavation of WS in Sardarshahar Town.

As per discussion with SCE & Supt. Engineer CMSC-II, existing WS line laid at the depth of 0.7m to 1.0m at many places. New line of WS is being laid at the depth of approx.1.0m to 1.4m. New line is being laid in opposite direction of existing line where space is available. It may vary place to place, location of pipeline in reference to sides of road. Moreover sometimes in narrow street new line is being laid along the existing WS line at approx. 1.5ft to 2.0ft distance. So there is lesser chance to encountered AC pipes during excavation. However cannot deny the possibility to encounter AC pipes in broken stage sometimes during crossing the line but there will be low risk. In case of occur; all the procedure will be follows as per AMP. All existing line of water supply will not be disturbed and will left in the ground in their original condition.

During discussion with A.En.-RUIDP-PIU and SCE of CMSC-II, detail deliberation such as issues of Asbestos pipes if occur during excavation of WS works in Sardarshahar Town. In the event of encounter of any Asbestos Containing Materials (ACMs) during project activity, SOPs shall be followed till the final disposal at nearest TSDF site as given in Asbestos Management Plan.

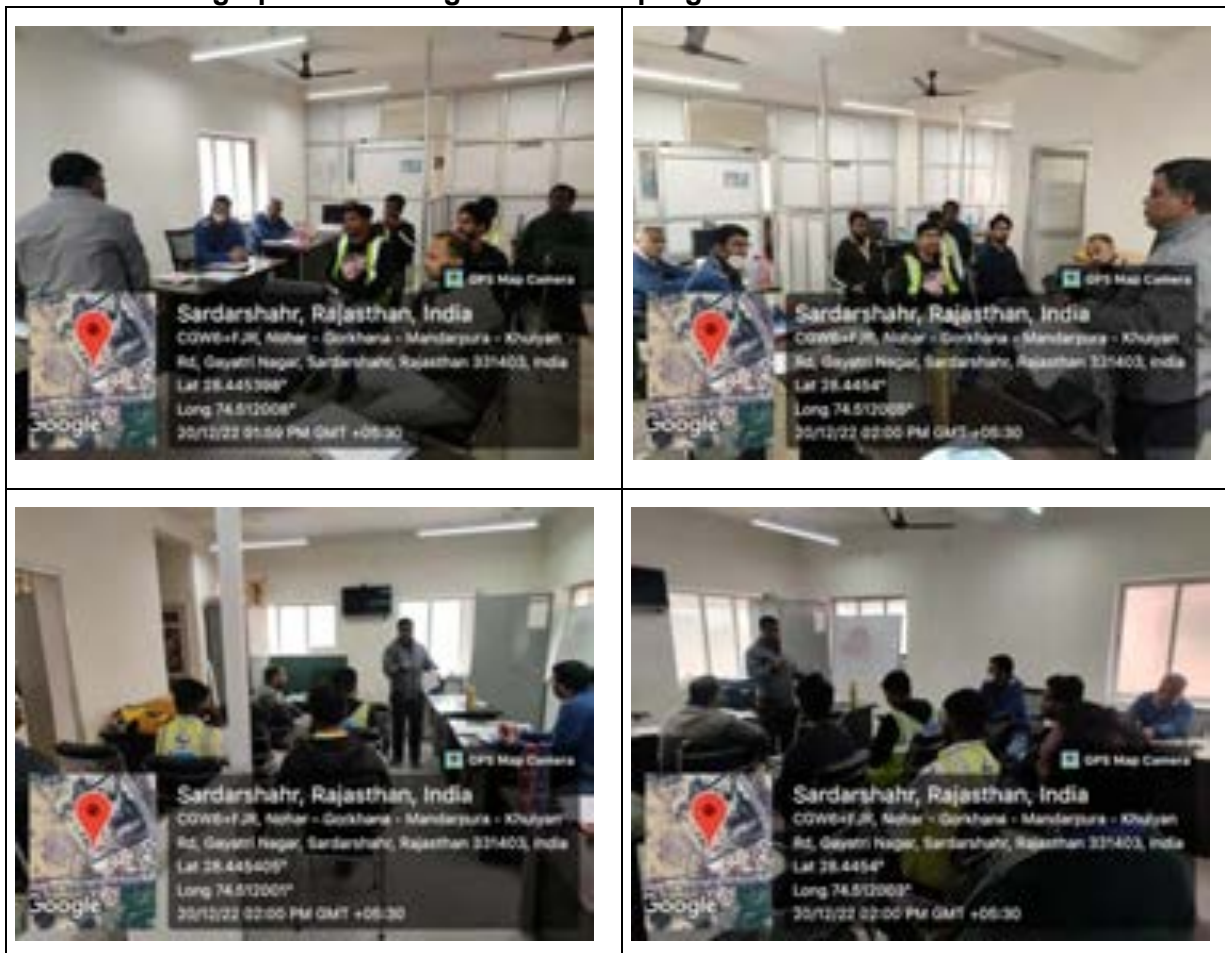
Pre-dominant wind direction needs to be considered in planning of storage of ACM at designated place if occurred in near future. No habitation should be located near in downwind direction of ACM storage or its immediate vicinity.

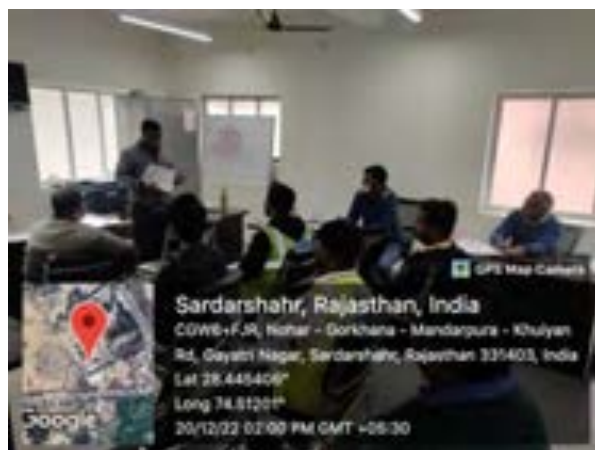
During discussion with SCE-CMSC-II, works of laying of WS distribution network (approx.65%) have laid in different zones in Sardarshahar Town. During visit of subproject components such as 1 nos of CWR 2400KL capacity under construction at PHED Ex.En. Campus, Pump House, CRMC-1, 1 MCC and 1 CCC. CRMC-2 is under construction at A.En. PHED Campus.

During site visit found that no asbestos containing materials (ACMs) were present/ encountered at different sites in Sardarshahar Town except existing storage of rejected AC pipes of PHED in their premises. In case of any occurrence of ACM's during excavation near future, different sites such as CRMC/MCC/CCC, CWR, STP & WS distribution network areas have visited but adequate space is available at PHED Campus. However in view of space there is no issue to temporary stack of ACM's at PHED Campus, as no habitation/school/temple is exist near/in vicinity of the site except old CWR. Near CWR site at PHED campus have sufficient space to temporary store the ACM if occurred in near future and quite remote from habitation, any water body or sensitive receptors.

In line of better management of ACM's if occurred during works, a training cum orientation programme was also conducted dated on 20th December 2022 in due consent with Assistant Engineer of RUIDP-PIU along with CMSC-II Staff and Contractor (L&T) safety personnel etc. During training, welcomed all the concerned person and brief about the Asbestos Management Plan and their needs while executing the works. From PMCBC, Asbestos Expert brief about the need and management of ACM's during works also discuss the ACMs removal, handling, temporary stacking and disposal procedure as given in Asbestos Management Plan (AMP). During removal all the rules and regulation will need to be strictly adhered as per Asbestos Management Plan (AMP).

Photographs of training/ orientation programme conducted as follows:





Photographs during Training/ Orientation on Asbestos Management at PHED Ex.En. Campus, Sardarshahr

Attendance Sheet

TRAINING ON ASBESTOS MANAGEMENT

Project Town: *Sardarshahr, District - Churu, Raj.*

Venue: *PHED Campus, Sardarshahr*

Date: *20/12/2022*

S.No.	Name of Person	Gender	Designation	Contact No.	Signature
①	Dinesh Kumar	M	Asst. Eng.	8947425835	<i>[Signature]</i>
②	Niranjan Kumar	M	S.C.O. Charge	9566107000	<i>[Signature]</i>
③	AFZAL AHMED	M	Executive Engineer	9499767676	<i>[Signature]</i>
④	Rakesh Kumar	M	Asst. Eng.	9499767676	<i>[Signature]</i>
⑤	Sandeep Kumar	M	Planning Engineer	9566107000	<i>[Signature]</i>
⑥	Amit Kumar	M	A.C.M. (EST)	9499767676	<i>[Signature]</i>
⑦	Nitesh Choudhary	M	Executive Engineer (EST)	9566107000	<i>Nitesh Choudhary</i>
⑧	Mohini Khatri	M	Safety Supervisor (EST)	9499767676	<i>Mohini Khatri</i>
⑨	Mohd. Farooq	M	Safety Supervisor (EST)	9566107000	<i>[Signature]</i>

Churu
20/12/2022
Asst. Secy Ex. Enst
PM CBC

Appendix-7: Photographs & Attendance sheets of Safeguard Orientations & Trainings (During April 2024 to September 2024)

Photographs of Safeguard Orientation at Ladnu Town on dated 02.04.2024



Attendance Sheet of Safeguard Orientation at Ladnu Town on dated 02.04.2024

FLUIDP
FOR UNITS OF RUSTDSP

Community Awareness and Public Participation-CAPP, RustDSP-Phase IV

Consultation Sheet

Name of Project town: Ladnu Date: 02-04-2024 Ward No: ---
Name of Colony/Landmark: STE-01 Name of Activity: Labour Training

Issues Discussed:

1. Consultation before start of work & Temporary inconvenience ☒ Project details and benefits
2. Grievance Redressal ☒ 3. New water connection
3. Potability Distribution ☒ 4. Sewer connection
10. Operation & Maintenance/ O&M/Not free ☒ 11. Any other issue (Specify):

☒ Labour Safety, Health & Hygiene
☒ Benefit of water tapping
☒ SFL connection verification

S. No.	Name	Address/Designation	Sex	Mobile No.	if SFL family (Card Number)	Issue discussed (Write the issues raised in consultation sheet)	Signature	Remarks
			M	F				
1.	श्रीधर	harbarr	✓	9828047872	---	Safety and Awareness	[Signature]	
2.	श्रीधर	---	✓	---	---	---	[Signature]	
3.	रंजित	---	✓	---	---	---	[Signature]	
4.	श्रीधर	---	✓	---	---	---	[Signature]	
5.	राजपुष्पादे	---	✓	---	---	---	[Signature]	
6.	मनोजिबि	---	✓	9744444444	---	---	[Signature]	
7.	विमलकुमार	---	✓	---	---	---	[Signature]	
8.	विमल बि	---	✓	---	---	---	[Signature]	
9.	ललित	---	✓	9919126068	---	---	[Signature]	

Photographs of Safeguard Orientation at Mandawa Town on dated 26.04.2024



Attendance Sheet of Safeguard Orientation at Mandawa Town on dated 26.04.2024

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUDSICO Consultation Sheet

Project town: - Mandawa Venue: - STP Mandawa Date: - 26.04.2024 Time: - 11:30 AM

Issues: - 1 Site Safety, 2 Health & Hygiene, 3 House Keeper attendance, 4 Government worker seen

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	Manish Kumar	M		Welder	98804085118	Manish Kumar
2	Nitesh G. Avinash	M		Helper	9149997122	Nitesh
3	Nitesh G. Avinash	M		Helper	8603155940	Nitesh
4	Sachin	M		Painter	6350285205	Sachin
5	Amir	M		Helper	6075783370	Amir
6	Manoj Jagan	M		Safety Officer	9785868915	Manoj
7	Jayesh	M		Helper		Jayesh
8	Mahesh	M		"		Mahesh
9						
10						
11						
12						
13						
14						
15						

Photograph of Safeguard Orientation at Ratangarh Town on dated 27.04.2024**Attendance Sheet of Safeguard Orientation at Ratangarh Town**

✓

Attendance Sheet for Safety Training/Orientation

Project Name: Sewerage & water supply, Ratangarh

Name of Person: Ugrasen Kumar, Environment Safeguard Support, RUSTP, Ratangarh

Orientation/Training Topic: Environment Health and Safety Training

Date: 04/05/2024

Place/Town: Ward No-09,

S.no	Name	Department /Agency	Designation	Mobile no.	Signature
01.	Munna	LST	Helper	—	[Signature]
02.	Pankaj	"	Helper	8203095536	[Signature]
03.	Mangru (F)	"	"	8824381091	[Signature]
04.	Sunopi (F)	LST	"	—	[Signature]
05.	Pancham	"	Helper	8355501002	[Signature]
06.	Pantab.	"	Helper	—	[Signature]
07.	Ashok	LST	Helper	6200470083	Ashok [Signature]
08.	Vikash	"	Helper	9835068621	[Signature]
09.	Krishna	"	Helper	7812801682	[Signature]

[Signature]
04/05/2024

Photographs of Safeguard Orientation at Sirohi Town on dated 15.04.2024**Attendance Sheet of Safeguard Orientation at Sirohi Town on dated 15.04.2024****Attendance Sheet for Safety Training/Orientation**

Name of Project: Rajasthan Secondary Towns Development Sector Project
(RSTDSP) - Sirohi Water Supply and Sewerage Subproject,
District - Sirohi, Rajasthan

Orientation/Training Topic: Environment Health and Safety Training

Date: 15/04/2024

Time: 11:25

Place: Intake 8.6 mls, Sirohi

S.No	Participant	Depart. /Agency	Designation	Mobile Number	Signature
1	Mahendrasingh		He/pe	8990470690	MPZ
2	Raju Kilmari		mason	637577624	MPZ
3	Prima Kilmari		He/pe	8696305846	MPZ
4	Piraj Ram		He/pe	8102235736	PIRA RAM
5	Sanjay Bind		mason	8292036172	MPZ
6	Mahendrasingh		Computer	7023437469	MPZ
7	Bharat		mason	7023437469	MPZ
8	Uppadras Kilmari		He/pe	8890470690	MPZ
9					
10					

Photos of Safeguard Orientation at Abu Road (Market Area, Manpur) during May 2024**Attendance Sheet of Safeguard Orientation at Abu Road Town (Market Area, Manpur) during May 2024**

Attendance Sheet								
S. No	Name (Input name of the participant)	BS/BU	Project Name/Job Code	Company Name/Sub- Contractor Name	PS No./ WISA ID	Designation	Age	Signature
1	Dinesh	-WVR	JwBSU-PKUU LE200452	Baki ma	2731968	Helper	26	[Signature]
2	Kodak	61	4	4	216210	4	38	[Signature]
3	Ram Ritesh	4	4	4	2706114	4	22	[Signature]
4	Deepak	4	4	4	2578434	4	20	[Signature]
5	Dinesh	4	4	4	2706192	4	26	[Signature]
6								
7								
8								

Photographs of Safeguard Orientation at Ladnu Town on dated 18.05.2024



Attendance Sheet of Safeguard Orientation at Ladnu Town on dated 18.05.2024

RUIDP
(A Unit of RUDSICO)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity of consultation
Attendance Sheet

Place: Aasota Village STP-01 Date: 18/05/2024

Topic/Issues Discussed: Labour meeting Discussion by Dem Sir
harbour Safety Information and Health Care
during working time.

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	Ajay Sharma	✓		labour	962943574	अजय शर्मा
2	Vijay Sharma	✓		"		विजय शर्मा
3	Ashok	✓		"		अशोक शर्मा
4	Phulendra Kumar	✓		"		फुलेंद्र कुमार
5	Ram Lalita	✓		filter labour		राम लाल
6	Manish	✓		"		मनिष
7	Surya Pal	✓		labour		सुरज पाल
8	Sunil	✓		"		सुनील शर्मा
9	Vinay Sharma	✓		"		विनाय शर्मा
10	Prabhu	✓		"	9329163816	प्रभु शर्मा
11						
12						
13						
14						

Manish

[illegible]

Photographs of Safeguard Orientation at Mandawa Town on dated 30.05.2024**Attendance Sheet of Safeguard Orientation at Mandawa Town on dated 30.05.2024**
Construction Management & Supervision Consultancy-01
Attendance Sheet

A Unit of RUDSICO

Project town:- Mandawa Venue:- Mandawa P. Date:- 30/05/2024 Time:- 11.00 AM

Issues:- 1. Status of Road Restriction Information project work

2. Resolution community issue

3. _____ 4. _____ 5. _____ 6. _____

S.N.	Name	Designation	Contact No.	Signature
1	बाबुलाल जी	Shop keeper	6376622404	बाबुलाल
2	संदीप कुमार	५	7568737568	संदीप
3	किशोर जी	५	9602446101	किशोर
4	रघुवीर	५	960-2968939	रघुवीर
5	राजीव जी	५	9985641812	राजीव
6	रामजित कुमार कानी	५	9828235715	रामजित
7	सुनील कुमार कानी	५	9413563216	सुनील
8	अनील कुमार	५	7891582482	अनील
9	पवन कुमार	५	9887878064	पवन
10	असोक सैनी	५	8769215572	असोक
11	जलिल कानी	५	9928814592	जलिल
12	प्रेमाका कानी	५	8167724444	प्रेमाका
13				
14				
15				

Photographs of Safeguard Orientation at Makrana Town on dated 21.06.2024



Attendance Sheet of Safeguard Orientation at Makrana Town on dated 21.06.2024

RUIDP
(A UNIT OF RUDCO)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation

Attendance Sheet

Place: STP Makrana Date: 21-06-2024

Topic/Issues Discussed: Workers at STP were provided informed about what precautions should be taken while working and how to use electrical equipment etc.

S. No.	Name	Gender		Occupation	Mobile No.	Signature
		M	F			
1.	Amin Khan	L		Safety Engineer LST	8239355575	Amin
2.	Saurabh	L		Contractor	7505890670	Saurabh
3.	Naraj	L		Labour		Naraj
4.	Shakeel	L		"		Shakeel
5.	Rashid	L		"		Rashid
6.	Javed	L		"	800638760	Javed
7.	Mahendra	L		"	6377722353	Mahendra
8.	Gomati		L	"		
9.						
10.						



Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation

Attendance Sheet

Place: STP Makrana. Date: 26-06-2024

Topic/Issues Discussed: Site visit regarding use proper PPEs on site working by labour at STP as per NDB-SPS guidelines. Aware the labour safety purpose in RUIDP works.

S. N.	Name	Gender		Occupation	Mobile No.	Signature
		M	F			
1.	Aamin Khan	✓		Safety Incharge	8239355529	Amin
2.	Sanjay Kumar	✓		Store Manager	7878363620	Sanjay
3.	Modi Dal Swami	✓		Labour		मोदी दल
4.	Chandant Singh	✓		—//—		चण्डांत
5.	Suresh Singh	✓		—//—	8696164687	सुरेश
6.	Mahesh Kumar	✓		—//—		Mahesh
7.	Ram Singh	✓		—//—		राम
8.	Gurshan Kumar	✓		—//—		गुरशान
9.	Mahesh Singh	✓		—//—		महेश
10.	Hartik	✓		—//—		हार्तिक
11.	Randevi	✓		—//—		राम देवी

Photographs of Safeguard Orientation at Ladnu Town on dated 19.06.2024



Attendance Sheet of Safeguard Orientation at Ladnu Town on dated 19.06.2024

RUIDP
(A Unit of RUIDSCO)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Labour Meeting
Attendance Sheet

Place: STP-01 Ansole Village Date: 19/06/2024

Topic/Issues Discussed:
Labour meeting with En. En. Sir. Aem Sir Discussion
Labour Safety Issue and Health and Safety related issues.

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	जमुना	M	X	Labour	—	जमुना
2	रमेश	M	X	"	—	रमेश
3	सुरजमल	M	X	"	—	सुरजमल
4	सुनीलकुमार	M	X	"	—	सुनीलकुमार
5	पुष्प	M	X	"	9228168816	पुष्प
6	विनय	M	X	"	—	विनय
7	अशोक	M	X	"	—	अशोक
8	आशाराम	M	X	"	—	आशाराम
9	सिमाबाई	F	✓	"	—	सिमाबाई
10	गीता कुमारी	F	✓	"	9835640200	गीता कुमारी
11	पूजा	F	✓	"	8815641848	पूजा
12	राधा बाई	F	✓	"	—	राधा
13	सुरजमली	F	✓	"	—	सुरजमली
14	प्रेम	F	✓	"	9354277341	प्रेम
15	काण्डू	M	X	"	—	काण्डू

Photographs of Safeguard Orientation at Mandawa Town on dated 22.06.2024**Attendance Sheet of Safeguard Orientation at Mandawa Town on dated 22.06.2024**

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUDSICO Consultation Sheet

Project town: - Mandawa Venue: - G.P. Date: - 22/06/2024 Time: - 10:15 AM

Issues: - 1. Health & Hygiene 2. Side Safety
3. Horse keeping other work provision at Heat Stop
4. Government welfare come under action

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	नितीश यादव	✓			8603155346	Nitesh Yadav
2	गुरुकु यादव	✓			8051846488	Gurukul Yadav
3	नमोद यादव	✓			9558308026	Namod Yadav
4	राजेश यादव	✓				Rajesh Yadav
5	मनीष कुमार	✓			8804085178	Manish Kumar
6	अमीत पुसाद	✓			9109485768	Amit Purohit
7						
8						
9						
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12						
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15						

Photographs of Safeguard Orientation at Khetri Town on dated 26.06.2024



Attendance Sheet of Safeguard Orientation at Khetri Town on dated 26.06.2024

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUDSICO Consultation Sheet

Project town: - Khetri Venue: - STP Date: 26/06/2024 Time: 12:33 PM

Issues: - 1. Heater, Hygiene 2. Site Safety
3. House Keeping, attention, Protection of Heat Station
4. Government welfare from a Creative Equity

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	राहुल	✓		श्रीनिवास	702329988	[Signature]
2	सुरेन्द्र	✓		"	946001050	[Signature]
3	केदार	✓		"	985733630	[Signature]
4	श्रीनिवास	✓		"	994903035	[Signature]
5	राजेश्वर	✓		"	995065585	[Signature]
6	विष्णु	✓		"	820320309	[Signature]
7	रवीश	✓		"	775176021	[Signature]
8	उमेश सैनी	✓		"	894921344	[Signature]
9						
10						
11						
12						
13						
14						
15						

Attendance Sheet of Safeguard Orientation at Ratangarh Town on dated 07.06.2024

Attendance Sheet for Safety Training/Orientation

Project Name: Sanitary latrine supply & awareness project
Patangpur.

Name of Person: Ugrach Kumar, Environment Safeguard Support, BLHDP, Patangarh

Orientatoin/Training Topic: Environment Health and Safety training

Date: 27/06/2024

Place/Town: Main Chidani, GPS

S.no	Name	Department /Agency	Designation	Mobile no.	Signature
01.	Narasayan	LRT	In-charge	8851157906	[Signature]
02.	Rohini	"	"	62777-50231	[Signature]
03.	Akal/Barti	"	"	—	[Signature]
04.	Kamukta	LRT	In-charge	—	[Signature]
05.	Raj Kumar Bista	"	"	7475071852	[Signature]
06.	Buddhi Yadav	"	"	9905318625	[Signature]
07.	Papa Ram	LRT	Mason	8225 628229	[Signature]
08.	Mahendra	"	"	7873 542625	[Signature]

[Signature]
27/06/2024

Photographs of Safeguard Orientation at Abu Road Town on dated 29.06.2024**Attendance Sheet of Safeguard Orientation at Abu Road Town on dated 29.06.2024****Attendance Sheet for Safety Training/Orientation**

Name of Project: Rajasthan Secondary Towns Development Sector Project
(RSTDSP) - Sirohi Water Supply and Sewerage Subproject, Abu Road
District - Sirohi, Rajasthan

Orientation/Training Topic: Environment Health and Safety Training

Date: 29/06/2024

Time: 10:30

Place: Abu Road, Naga Kheda

<u>S.No</u>	<u>Participant</u>	<u>Depart. /Agency</u>	<u>Designation</u>	<u>Mobile Number</u>	<u>Signature</u>
1	Wahab Ram	LAT	Labour	—	Wahab Ram
2	Dinesh	"	Labour	—	Dinesh
3	Ram Deora	"	Helper	—	Ram Deora
4	Afzal	"	Helper	—	Afzal
5	Imad .	"	Helper	—	Imad .
6					

Photographs of Safeguard Orientation at Sirohi Road Town on dated 29.06.2024**Attendance Sheet of Safeguard Orientation at Sirohi Town on dated 29.06.2024****Attendance Sheet for Safety Training/Orientation**

Name of Project: Rajasthan Secondary Towns Development Sector Project (RSTDSP) - Sirohi Water Supply and Sewerage Subproject, District - Sirohi, Rajasthan

Orientation/Training Topic: Environment Health and Safety Training

Date: 29/06/2024

Time: 11:40

Place: Sirohi 1.7 MLD STP

<u>S.No</u>	<u>Participant</u>	<u>Depart. /Agency</u>	<u>Designation</u>	<u>Mobile Number</u>	<u>Signature</u>
1	Sonu Kumar		Welder	7065742250	Sonu
2	Ram Pujan		Labour	9604997593	Ram Pujan
3	Faizal Zali		Helper	—	Faizal Zali
4	md. alam		Helper	8850479594	Alam
5	md. Shahid		Helper		Shahid
6	Shikhal		Support Engin	9799202297	Shikhal
7	Ravi		Site Engin	9753501900	Ravi
8					

Photographs of Safeguard Orientation at Ladnu Town on dated 30.07.2024



Attendance Sheet of Safeguard Orientation at Ladnu Town on dated 30.07.2024

RUIDP
(A Unit of RSTDSP)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Labour Meeting
Attendance Sheet

Place: STP-02, Chisolei, Ladnu Date: 30.07.2024

Topic/Issues Discussed: Labour meeting with Ex. En and ACM Sir discussion labour safety use in Rain time and suggested labour working time.

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	सिमा		✓	labour work	—	सिमा
2	मीरन	✓		"	—	मीरन
3	रंजु	✓		"	9399349842	रंजु
4	राजेश	✓		"	6325224332	राजेश
5	अजय शर्मा	✓		"	7368956315	अजय शर्मा
6	लवकुश	✓		"	7325014303	लवकुश
7	पूजा		✓	"	—	पूजा
8	अनिता		✓	"	—	अनिता
9	राधा		✓	"	—	राधा
10	सुनेश	✓		"	—	सुनेश
11	सोम	✓		"	9631982323	सोम
12	परमुराज	✓		"	—	परमुराज
13	उमेश शर्मा	✓		"	—	उमेश शर्मा
14	संजय शर्मा	✓		"	—	संजय शर्मा
15	रामचंद्र	✓		SOP Team	9929122066	Ramch

M = 11
F = 04
Total (15)

Mansur
Social Safeguard Support Staff
CMSC-01, Ladnu

Photographs of Safeguard Orientation at Makrana Town on dated 19.07.2024**Attendance Sheet of Safeguard Orientation at Makrana Town on dated 19.07.2024**

RUIDP
Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation
Attendance Sheet

At: Ganawadi Mahesana Date: 19-07-2024

Topic/Issues Discussed: Entire the theme of PPS. Discussed the the precautions to be taken during rainy season as per the guidelines of AIB.

S. No.	Name	Gender M F	Occupation	Mobile No.	Signature
1	Mukesh	✓	Labour	8233826987	[Signature]
2	Ramesh	✓	—//—	8233221050	[Signature]
3	Rajesh	✓	—//—		[Signature]
4	Darshan	✓	—//—		[Signature]
5	Pawan	✓	—//—		[Signature]
6	Ganesh	✓	—//—		[Signature]
7	Bhawani	✓	—//—		[Signature]
8	Santosh	✓	—//—		[Signature]
9					
10					

Signature
Social Safeguard



Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation

Attendance Sheet

Topic: STP

Date: 18-07-2024

Issues/Topics Discussed: Labourers were informed about safety by the EHS Boards and made aware to take full care of safety in work safely in rainy weather.

S. No.	Name	Gender		Occupation	Mobile No.	Signature
		M	F			
1.	Sony	✓		Labourer	9001718691	[Signature]
2.	Babbar	✓		Labourer	9001718691	[Signature]
3.	Harkesh	✓		Labourer	9675532988	[Signature]
4.	Anil	✓		Labourer	9680488932	[Signature]
5.	Maniram	✓		Labourer	9720029338	[Signature]
6.	Vinita		✓	Labourer	- / -	[Signature]
7.	Manoj Singh	✓		Labourer	9610356583	[Signature]
8.	Dharmendra	✓		Labourer	9389887700	[Signature]
9.						
10.						

18/07/24

Social Safeguards

Photographs of Safeguard Orientation at Mandawa Town on dated 19.07.2024



Attendance Sheet of Safeguard Orientation at Mandawa Town on dated 20.07.2024

RUIDP
A UNIT of RUDSICO

Construction Management & Supervision Consultancy CMSC-01
Consultation Sheet

Project town: - Mandawa, Venue: - STP Date: - 20/07/2024 Time: - 5:30 PM

Issues: - 1 Side Sectors 2 Health & Hygiene
3 Government workers & House keeping construction
4 Centre open

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	शीलाबाई					
2	कुरुगुमठारी					
3	सखी ल				9131510094	
4	गौरवज सिंह				8120658368	
5	पवत सिंह					
6	अमरज सिंह				9343633990	
7						
8						
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Photographs of Safeguard Orientation at Khetri Town on dated 25.07.2024



Attendance Sheet of Safeguard Orientation at Khetri Town on dated 25.07.2024

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUDSICO Consultation Sheet

Project town: - Khetri Venue: - STF Date: - 25.07.2024 Time: - 12:30 PM

Issues: - 1. Site Safety, 2. House keeping at work place -
3. Government welfare scheme Health Nym -
4. Gender equal at work place.

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	राहुल	✓		ग्रामीर		2157
2	सुरेश	✓		11		412
3	मैलारा	✓		11		7111
4	मीनिनाम	✓		11		7111
5	काजमान	✓		11		6111
6	विष्णु	✓		11		-
7						
8						
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Photographs of Safeguard Orientation at Sirohi Town on dated 18.07.2024**Attendance Sheet of Safeguard Orientation at Sirohi Town on dated 18.07.2024****Attendance Sheet for Safety Training/Orientation**

Name of Project: Rajasthan Secondary Towns Development Sector Project
(RSTDSP) - Sirohi Water Supply and Sewerage Subproject,
District - Sirohi, Rajasthan

Orientation/Training Topic: Environment Health and Safety Training

Date: 18th July 2024

Time: 12:30

Place: Shardaulpura PH, Sirohi.

<u>S.No</u>	<u>Participant</u>	<u>Depart. /Agency</u>	<u>Designation</u>	<u>Mobile Number</u>	<u>Signature</u>
1	Dinesh Kumar	L&T	Worker	—	[Signature]
2	Asif Khan	"	Painter	—	TSIF
3	Iqbal Khan	"	Helper	—	[Signature]
4	Vakta Ram	"	Worker	—	[Signature]
5	Suresh Singh	"	Helper	—	[Signature]
6					

Photographs of Safeguard Orientation at Abu Road Town on dated 27.07.2024**Attendance Sheet of Safeguard Orientation at Abu Road Town on dated 27.07.2024**

Name of Project: Rajasthan Secondary Towns Development Sector Project
(RSTDSP) - ^{Abu Road} ~~Supply~~ Water Supply and Sewerage Subproject,
District ^{Abu Road} ~~Sirohi~~, Rajasthan

Orientation/Training Topic: Environment Health and Safety Training

Date: 27/7/2024

Time: 1.5:00

Place: Abu Road, Warden Camp.

S.No	Participant	Depart. /Agency	Designation	Mobile Number	Signature
1	JAYESH	Kabir Jyoti L & T	HELPER	9557508896	J. P. Bhatia
2	JIGNESH	"	"	9929086362	S. K. Bhatia
3	VITU	"	"	9750355504	S. K. Bhatia
4	MAHIT	"	"	9023696050	M. Bhatia
5	BADIYA	"	"	9949743058	S. K. Bhatia
6	MOSAM	"	"	9789473266	S. K. Bhatia
7	SUBHASH	"	"	6353443986	S. K. Bhatia
8	SAMRU	"	"	9909296883	S. K. Bhatia
9	SIMA	"	"	973643658	S. K. Bhatia
10	SANTA	"	"		S. K. Bhatia
11	MANISHA	"	"		S. K. Bhatia
12	RAMA	"	"		S. K. Bhatia
13	RENKA	"	"		S. K. Bhatia
14	GANGA	"	"		S. K. Bhatia
15	YANITA	"	"		S. K. Bhatia

Photographs of Safeguard Orientation at Ladnu Town on dated 14.08.2024



Attendance Sheet of Safeguard Orientation at Ladnu Town on dated 14.08.2024

RUIDP
(A Unit of RUSTDC)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Labour Meeting
Attendance Sheet

Place: C.P.-01, Anantnagar, Ladnu, on 14.08.24
Topic/Issues Discussed:

Labour meeting with Aem Sam and Pk. Sam
Discussion Safety Issue and Health Related work.

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	सिमा		✓	Labourer		
2	मीरा	✓		"		
3	रवि	✓		Labourer	9349348814	
4	अमिता	✓		"	6275284997	
5	अमिता रानी	✓		Labourer	7368956415	
6	अमिता	✓		"	7325054005	
7	अमिता		✓	"		
8	अमिता		✓	"		
9	अमिता		✓	"		
10	अमिता	✓		"		
11	अमिता	✓		"	9671983323	
12	अमिता	✓		"		
13	अमिता	✓		"		
14	अमिता	✓		"		
15						

Handwritten Signature
Social Safeguard Support Staff
CMSC-01, Ladnu

Photographs of Safeguard Orientation at Makrana Town on dated 06.08.2024 & 24.08.24



Attendance Sheet of Safeguard Orientation at Makrana Town on dated 06.08.2024

RUIDP
Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation

Attendance Sheet

Place: Labour Camp & Storage Date: 06-08-2024

Topic/Issues Discussed: Discuss the labour about how to protect themselves and their children during the rainy season and the precautions to be taken while working.

S. No.	Name	Gender M F	Occupation	Mobile No.	Signature
1.	Bahadur Gouthali	L	Construction	9724370120	BH
2.	Himanshu Kamali	L	Support Engineer	8209884091	H
3.	Harvindra Khosla	L	Support Engineer	7737229857	Har
4.	Rajiv	L	Store Manager	7740911000	Rajiv
5.	Sanjay / Jyoti	L	Quality	788363670	Sanjay
6.	Rajendra	L	Guard	---	Rajiv
7.	Munali Ram	L	Labour	8233221110	Munali
8.	Pawan	L	Labour	---	Pawan
9.	Mahendra	L	Labour	---	Mahendra
10.	Sudhendra	L	Labour	---	Sudhendra

(Signature)

Attendance Sheet of Safeguard Orientation at Makrana Town on dated 24.08.2024

RUIDP
SA LIAISON AT RUIDP/OTI

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CM5C-01)

Activity: Consultation

Attendance Sheet

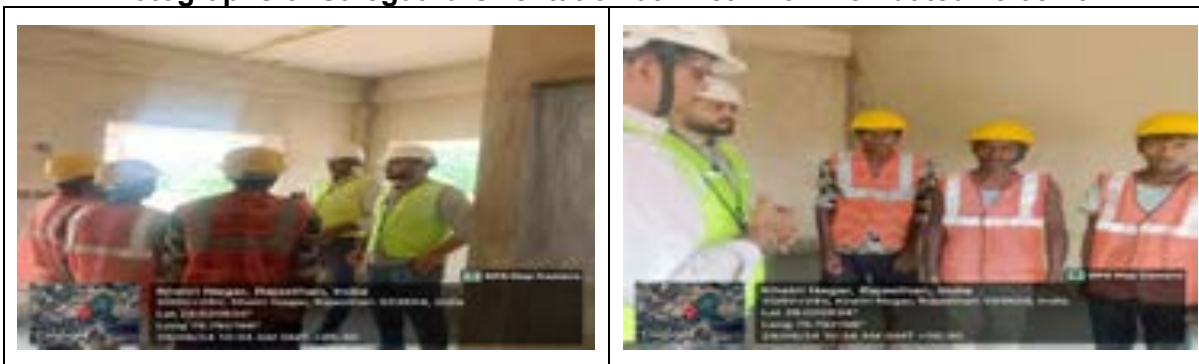
Date: STP 2.7 MLD Makrana DMC 24-8-2024

Topic/Issues Discussed: There is awareness about safety among Labourers and they will work completely safely in the future.

S. No.	Name	Gender		Occupation	Mobile No.	Signature
		M	F			
1.	Ramya	✓		Supervisor	8690380050	RM
2.	Shyam, baby	✓		Labourer		24/8/24
3.	Surendra	✓		---	8634728365	24/8/24
4.	Vakeel	✓		---		24/8/24
5.	Vinod	✓		---		24/8/24
6.	Nima		✓	---		24/8/24
7.	Parmod	✓		---		24/8/24
8.	Manu		✓	---		24/8/24
9.	Jugal	✓		---		24/8/24
10.	Sugni Bai		✓	---		24/8/24

24/8/24

Photographs of Safeguard Orientation at Khetri Town on dated 29.08.2024



Attendance Sheet of Safeguard Orientation at Khetri Town on dated 29.08.2024

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUDSICO Consultation Sheet

Project town: - Khetri Venue: - STP Date: - 29.08.2024 Time: - 11:30 AM

Issues: - 1. Site Safety 2. House keeping after passing down
3. government welfare scheme Health & Hygiene
4. Motorists starting and House keepers same side

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	लखवेंत कुमर	✓		प्रामिक		
2	शिव	✓		॥	8755907777	शिव
3	सागर	✓		॥	9005549286	सागर
4	करण	✓		॥		
5	भीम सिंह	✓		॥		भीम
6	राजेश	✓		॥		
7	पुनीत	✓		॥		पुनीत
8	मोहन राम	✓		॥		मोहन
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Attendance Sheet for Safety Training/Orientation
 Project Name: *Beaumont Project, Beaumont*
 Name of Person: *Ugrasen Kumar, Environment Safeguard Support, RUPP, Ratangh*
 Orientation/Training Topic: *Environment Health and Safety Training*
 Date: *22/08/2021*
 Place/Town: *61 MID St Road, Chennai*

[illegible]

22/08/21

Photographs of Safeguard Orientation at Khetri Town on dated 27.09.2024



Attendance Sheet of Safeguard Orientation at Khetri Town on dated 27.09.2024

RUIDP Construction Management & Supervision Consultancy CMSC-01
A Unit of RUDISCO
Consultation Sheet

Project town: - Khetri Venue: - STP Date: - 27.09.2024 Time: - 3:30 PM

Issues: - 1. High work safety 2. House keeping after work
3. Health & Hygiene 4. Goodment like welder wear
5. Electric work safety 6. Water conservation

S.N.	Name	Sex		Designation	Contact No.	Signature
		Male	Female			
1	श्रीराम	✓		भारत		श्रीराम
2	मंगन	✓		"	9016256210	मंगन
3	सालो	✓		"		सालो
4	राम परवेश	✓		"		राम परवेश
5	~~मंगन~~			"		
6	अशोक	✓		"		अशोक
7	करन	✓		"		-
8	सरदार राम	✓		"		-
9	बाल कृष्ण	✓		"	8849155370	✓
10						
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Photographs of Safeguard Orientation at Ladnu Town on dated 19.09.2024**Attendance Sheet of Safeguard Orientation at Ladnu Town on dated 19.09.2024**

RUIDP
(A Unit of RUIDS&C)

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Labour Meeting
Attendance Sheet

Place: CTO-01, Bhabra Village, Ladnu Date: 19/09/2024

Topic/Issues Discussed: Labour Compensation with meeting regarding
labour Safety, Health & welfare working

Sl. No.	Name	Gender		Occupation	Mobile No.	Signature
		Male	Female			
1	बाबुलाल	✓		सहकार		बाबुलाल
2	मनोज	✓		"		मनोज
3	शिव	✓		"		शिव
4	पुष्पाजी	✓		"		पुष्पा
5	लक्ष्मी	✓		"		लक्ष्मी
6	नरेश देवी		✓	"	"	नरेश देवी
7	राजेश	✓		"		राजेश
8	ललनाथ जी	✓		"		ललनाथ जी
9	गोविंद	✓		"		गोविंद
10						
11						
12						
13						
14						
15						

(Signature)
Social Safeguard Support Staff
CMSC-01, Ladnu

M-09
F-01
Total-10

Photographs of Safeguard Orientation at Makrana Town on dated 03.09.24 & 10.09.24



Attendance Sheet of Safeguard Orientation at Makrana Town on dated 03.09.24

Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation
 Attendance Sheet

Place: STP-7.7 Pz.D. Makrana Date: 03-09-2024

Topic/Issues Discussed: There is awareness about safety among laborers and they will work completely safely in the future.

S. No.	Name	Gender M P	Occupation	Mobile No.	Signature
1	Sonu	✓	Labourer	9001713151	[Signature]
2	Biddan	✓	— / —	9001713151	[Signature]
3	Harkumar	✓	— // —	9675532425	[Signature]
4	Anil	✓	— // —	9680484932	[Signature]
5	Mani Ram	✓	— // —	9770079330	[Signature]
6	Manoj Singh	✓	— / —	— / —	[Signature]
7	Vinita	✓	— // —	9610356523	[Signature]
8	Shyam	✓	— // —		[Signature]
9	Gurdeepi Devi	✓	— // —	9325287700	[Signature]
10	Shuchi Devi	✓	— // —		[Signature]

with Pz.D. Social Shogard

Attendance Sheet of Safeguard Orientation at Makrana Town on dated 10.09.2024

RUIDP
A Unit of RUIDP/CDO

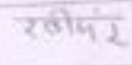
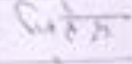
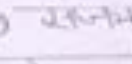
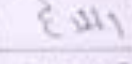
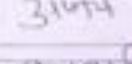
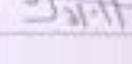
Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Contract Management and Supervision Consultant (CMSC-01)

Activity: Consultation

Attendance Sheet

Place: Bhadrapura Date: 10-09-2024

Topic/Issues Discussed: Awareness the labourers as per RDP-SPS guidelines use proper safety at working site.

S. No.	Name	Gender		Occupation	Mobile No.	Signature
		M	F			
1	Ravindra	L		Labourer	9675532428	
2	Ditendra Singh	L		— / —	6279473527	
3	Sanjay Kumar	L		— / —	9350436579	
4	Homa		L	— / —	9350436579	
5	Ajay Pal	L		— / —	9675911805	
6	Banwari Lal	L		— / —	9815473610	
7	Mugni Devi		L	— / —		
8						
9						
10						

mR2027
Social Safeguards

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Photographs of Safeguard Orientation at Sirohi Town on dated 26.09.2024**Attendance Sheet of Safeguard Orientation at Sirohi Town on dated 26.09.2024**

Name of Project: Rajasthan Secondary Towns Development Sector Project (RSTDSP) – Water Supply and Sewerage Subproject, District - Sirohi, Rajasthan

Orientation/Training Topic: Environment Health and Safety Training

Date: 26th September 2024

Time: 11:30

Place: Thakur 8.6 MLB Angore

S.No	Participant	Depart. / Agency	Designation	Mobile Number	Signature
1	Narayan Ramji	LST	Supervisor	9549423119	[Signature]
2	Khetu Ram	LST	Helper	729687065	[Signature]
3	Kalu Ram	LST	Helper	7078672266	[Signature]
4	Jamuna Devi	LST	Helper	7850808507	[Signature]
5	Sunai Ji	LST	Helper	8619451857	[Signature]
6	Prakash Ji	LST	Mason	8619630820	[Signature]
7	Sushanto	LST	Helper	9907602986	[Signature]
8	Manoj	LST	Helper	8131360738	[Signature]
9					
10					

Appendix 8: EHS ACTIVITIES BY DIFFERENT CONTRACTORS DURING REPORTING PERIOD (April 2024 to September 2024)

EHS Activities by contractors at Abu Road Town during April 2024 to September 2024

Town: Abu Road	
	
Contractor Workmen Training (CWT)	Site Specific Training (SST)
	
Mock Drill Training on Electrocution	Training on Material handling
	
Mock Drill Training on Confined Space Rescue	Mock Drill on Snake Bite
	
DISINFICATION activity at site	Medical Health check-up of site workers



Pep Talk Training to workers at site



OCP training to workers at Site



Electrical Safety Training



Induction training



Training on Road safety



Training on Work at Height safety



Good Practise : Tree Plantation activity



First Aid Training

Good Practices at Work Site – Abu road

	
Good Practice Barricading	Good Practice Excavation & trenching
	
Good Practice – Availability of Fire extinguisher & display of Emergency No. Display	Good Practise - Posters & Sign Board
 Housekeeping 03	 Abu Road, Rajasthan, India FQ2601485, Railway Colony, Abu Road, Rajasthan 307006, India Lat 26.4704027° Long 75.7627127° 11/09/24 08:39 AM Sat +05:30
Good Practise House Keeping	Good Practise PPEs
	
Good Practice Electrical Safety	Good Practise Height Pass Test

EHS Activities by contractors at Sirohi town during April 2024 to September 2024

Town: Sirohi	
	
Contractor Workmen Training (CWT)	Site Specific Training (SST Training)
	
Road & Safety Training)	Mock Drill Training
	
EHS Alert Training	Good Practise PPEs
	
Good Practise House Keeping	Good Practose: Display of Emergency No. & Availability of Fire extinguisher at site

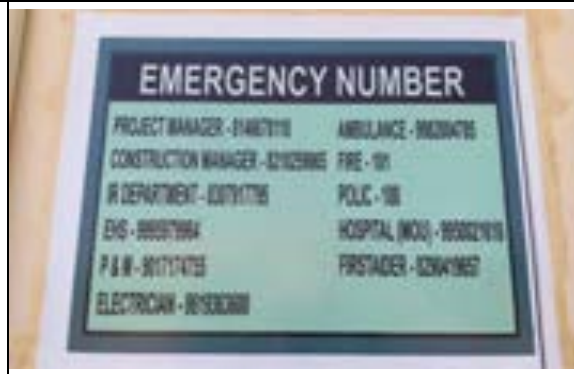
EHS Activities by contractors at Fatehpur town during April 2024 to September 2024

Town: FATEHPUR	
	
Medical Health Checkup	Induction training
	
Alert Training	Training on Road safety
	
Good Practise Barricading	Good Practise House Keeping
	
Good Practose - Fire extinguisher at site	Good Practise Emergency No. Display

EHS Activities by contractors at Ratangarh town during April 2024 to September 2024

Town: Ratangarh	
	
PepTalk training to Workers at Site	Site Specific Training (SST)
	
Medical Health Checkup	Site Specific Training
	
Electrical Safety Training	Training on Road safety
	
Alert Training	Induction training

	
Workman Quiz	Photos of Tree Plantation
	
EHS Induction & COVID Precaution Training	Training on Road safety
	
Training on Work at Height safety	Others Training (OT)
	
Good Practise: Barricading	Good Practise: Excavation & trenching

**Good Practise - Posters & Sign Board****Good Practise: Housekeeping****Good Practise: Disinfection Activity****Good Practise: PPEs****Good Practise Electrical Safety****Good Practise: Material handling****Good Practise - Fire extinguisher at Guest House****Good Practise Emergency No. Display**

EHS Activities by contractors at Sardarshahar town during April 2024 to September 2024

Sardarshahar town	
	
Contractor Workmen Training (CWT)	Mock Drill Training
	
Job Specific Training	Site Specific Training
	
Good Practice – Electrical Safety Awareness	Good Practice – Availability of Fire extinguisher and display of Emergency No. at Site
	
Good Practice Housekeeping	Good Practice barricading

EHS Activities by contractors at Banswara town during April 2024 to September 2024

Banswara town	
	
PPE's Training	First Aid Training
	
House Keeping	Road Safety Training
	
Fire Extinguisher training at site	Alert training
	
Jetting machine safety training	Machinery training at site

EHS Activities by contractors at Kuchaman Town during April 2024 to September 2024

Town: Kuchaman	
	
Contractor Workmen Training (CWT)	Mock Drill Training on Snake Bite
	
Mock Drill Training on Electrocution	Mock Drill Training on Hit by Vehicle
	
DISINFICATION activity	Site Specific Training (SST)
	
Pep Talk Training to workers at site	EHS Alert Training at Site

	
Electrical Safety Training	Training on Work at Height safety
	
Good Practise : Tree Plantation	Medical Health Check-up of workers at Site
	
Good Practise House Keeping	Good Practise PPEs
	
Prize distribution to workers	Good Practice: Tree Plantation

EHS Activities by contractors at Khetri & Mandawa Towns during April 2024 to Sept. 2024

Town: Khetri	
	
Contractor Workmen Training (CWT)	First Aid Training
	
Environment Monitoring at site	Good Practise : Tree Plantation activity
	
Good Practice Barricading, Excavation & trenching	Good Practise workers using PPEs at site
Town: Mandawa	
	
Training on Material handling	Electrical Safety Training

EHS Activities by contractors at Ladnu Town during April 2024 to September 2024

Town: Ladnu	
	
Contractor Workmen Training (CWT)	Site Specific Training (SST)
	
DISINFICATION activity	Medical Health Check-up campaign
	
Work at height pass test	Work At height Activity

	
Good Practise : Tree Plantation activity	Workmen Safety Quiz
	
Good Practice Excavation safety	Good Practise - Display of Posters & Sign Board
	
Good Practice – Material Stacking	Good Practice Electrical Safety
	
Good Practices: Implemented work at height safety	

EHS Activities by contractors at Didwana Town during April 2024 to September 2024

Town: Didwana	
	
Contractor Workmen Training (CWT)	Alert Training
	
Mock Drill Training on Electrocution	Mock Drill Training
	
DISINFICATION activity	Mock Drill Training on Heat Stress
	
Electrical Safety	Site Specific Training (SST)

	
Workmen Safety Quiz	Medical Health Checkup of workers at site
	
Environment Monitoring at site	Work at Height safety
	
Good Practise : Tree Plantation activity	Training on Work at Height safety
	
Good Practice Barricading	Good Practise workers using PPEs

EHS Activities by contractors at Makrana Town during April 2024 to September 2024

Town: Makrana	
	
Contractor Workmen Training (CWT)	Site Specific Training (SST)
	
Induction training	Electrical Safety Training
	
Safety during Hot works	Good Practice : Tree Plantation activity
	
Safety during Training Work at Height	Workmen Quiz on Safety

	
Mock Drill Training on Electrocution	Mock Drill Training
	
Training on Work at Height safety	OCP training to workers at Site

**Appendix 9: SAFEGUARD TRAININGS CONDUCTED BY CONTRACTORS
(APRIL 2024 TO SEPTEMBER 2024)**

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
Abu Road Town					
1.	EHS ALERT	04.04.2024	Manpur	Monuj Saikia	6
2.	OCP	05.04.2024	Manpur	Monuj Saikia	4
3.	CWT	05.04.2024	Manpur	Monuj Saikia	5
4.	CWT	08.04.2024	Santpur	Monuj Saikia	6
5.	SST	07.04.2024	Santpur	Monuj Saikia	2
6.	EHS ALERT	12.04.2024	Manpur	Monuj Saikia	3
7.	SST	13.04.2024	Manpur	Monuj Saikia	10
8.	SST	17.04.2024	Santpur	Monuj Saikia	5
9.	SST	17.03.2023	Santpur	Monuj Saikia	9
10.	SST	18.04.2024	Manpur	Monuj Saikia	8
11.	EHS ALERT	04.04.2024	Manpur	Monuj Saikia	6
12.	CWT	01.05.2024	Manpur	Jaison Samuel	6
13.	CWT	02.05.2024	Manpur	Jaison Samuel	4
14.	CWT	02.05.2024	Manpur	Jaison Samuel	10
15.	SST	04.05.2024	Santpur	Jaison Samuel	4
16.	SST	07.05.2024	Santpur	Jaison Samuel	4
17.	SST	09.05.2024	Manpur	Jaison Samuel	5
18.	SST	16.05.2024	Manpur	Jaison Samuel	5
19.	SST	21.05.2024	Santpur	Jaison Samuel	6
20.	CWT	03/06/2024	Manpur	Jaison Samuel	7
21.	CWT	03/06/2024	Manpur	Jaison Samuel	5
22.	other-Internal	07/06/2024	Manpur	Jaison Samuel	7
23.	SST	10/06/2024	Santpur	Jaison Samuel	4
24.	SST	11/06/2024	Santpur	Jaison Samuel	5
25.	SST	11/06/2024	Manpur	Jaison Samuel	5
26.	CWT	12/06/2024	Santpur	Jaison Samuel	7
27.	CWT	13/06/2024	Manpur	Jaison Samuel	6
28.	CWT	13/06/2024	Manpur	Jaison Samuel	4
29.	other-Internal	13/06/2024	Santpur	Jaison Samuel	6
30.	CWT	14/06/2024	Manpur	Jaison Samuel	8
31.	SST	14/06/2024	Manpur	Jaison Samuel	3
32.	CWT	15/06/2024	Manpur	Jaison Samuel	5
33.	SST	18/06/2024	Manpur	Jaison Samuel	4
34.	CWT	22/06/2024	Manpur	Jaison Samuel	5
35.	CWT Training 1	04.07.2024	Manpur	Jaison Samuel	7
36.	CWT Training 2	19.07.2024	Manpur	Jaison Samuel	6
37.	CWT Training 3	20.07.2024	Manpur	Jaison Samuel	6
38.	CWT Training 4	20.07.2024	Manpur	Jaison Samuel	7
39.	CWT Training 5	27.07.2024	Manpur	Jaison Samuel	15
40.	SST Training 1	06.07.2024	Manpur	Jaison Samuel	4
41.	SST Training 2	10.07.2024	Manpur	Jaison Samuel	5
42.	SST Training 3	11.07.2024	Manpur	Jaison Samuel	8
43.	First Aid Training 1	04.07.2024	Manpur	Jaison Samuel	6
44.	First Aid Training 2	06.07.2024	Manpur	Jaison Samuel	5

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
45.	First Aid Training 3	08.07.2024	Manpur	Jaison Samuel	5
46.	First Aid Training 4	12.07.2024	Manpur	Jaison Samuel	5
47.	Mock Drill Training 1	21.07.2024	Manpur	Jaison Samuel	8
48.	Mock Drill Training 2	22.07.2024	Manpur	Jaison Samuel	5
49.	Induction Training 1	01.07.2024	Manpur	Jaison Samuel	3
50.	Induction Training 2	01.07.2024	Manpur	Jaison Samuel	5
51.	Induction Training 3	01.07.2024	Manpur	Jaison Samuel	7
52.	Induction Training 4	03.07.2024	Manpur	Jaison Samuel	3
53.	Induction Training 5	04.07.2024	Manpur	Jaison Samuel	7
54.	Induction Training 6	11.07.2024	Manpur	Jaison Samuel	4
55.	Induction Training 7	12.07.2024	Manpur	Jaison Samuel	3
56.	Induction Training 8	16.07.2024	Manpur	Jaison Samuel	4
57.	Induction Training 9	17.07.2024	Manpur	Jaison Samuel	3
58.	Induction Training 10	20.07.2024	Manpur	Jaison Samuel	4
59.	Induction Training 11	27.07.2024	Manpur	Jaison Samuel	14
60.	EHS Alert Training 1	04.07.2024	Manpur	Jaison Samuel	0
61.	EHS Alert Training 2	04.07.2024	Manpur	Jaison Samuel	0
62.	EHS Alert Training 3	04.07.2024	Manpur	Jaison Samuel	0
63.	EHS Alert Training 4	04.07.2024	Manpur	Jaison Samuel	0
64.	EHS Alert Training 5	04.07.2024	Manpur	Jaison Samuel	0
65.	EHS Alert Training 6	04.07.2024	Manpur	Jaison Samuel	0
66.	CWT Training 1	12.08.2024	Manpur	Jaison Samuel	6
67.	CWT Training 2	09.08.2024	Manpur	Jaison Samuel	5
68.	CWT Training 3	09.08.2024	Manpur	Jaison Samuel	4
69.	CWT Training 4	13.08.2024	Manpur	Jaison Samuel	6
70.	CWT Training 5	16.08.2024	Manpur	Jaison Samuel	4
71.	SST Training 1	20.08.2024	Manpur	Jaison Samuel	6
72.	SST Training 2	01.08.2024	Manpur	Jaison Samuel	15
73.	SST Training 3	06.08.2024	Manpur	Jaison Samuel	4
74.	First Aid Training 1	07.08.2024	Manpur	Jaison Samuel	4
75.	First Aid Training 2	24.08.2024	Manpur	Jaison Samuel	5
76.	EHS ALERT	04-09-2024	Manpur	Jaison Samuel	7
77.	EHS ALERT	11-09-2024	Manpur	Jaison Samuel	8
78.	EHS ALERT	21-09-2024	Manpur	Jaison Samuel	8
79.	CWT	05-09-2024	Manpur	Jaison Samuel	7
80.	CWT	07-09-2024	Manpur	Jaison Samuel	7
81.	CWT	09-09-2024	Manpur	Jaison Samuel	4
82.	CWT	12-09-2024	Manpur	Jaison Samuel	12
83.	SST	07-09-2024	Manpur	Jaison Samuel	4
84.	SST	11-09-2024	Manpur	Jaison Samuel	4
85.	SST	12-09-2024	Manpur	Jaison Samuel	7
Sirohi Town					
1.	CWT Training	04/04/24	Sirohi	Subhash /Satish	14
2.	SST Training	06/04/24	Sirohi	Satish/Subhash	10
3.	SST Training	07/04/24	Sirohi	Satish	09
4.	CWT Training	09/04/24	Sirohi	Subhash	15
5.	SST Training	10/04/24	Sirohi	Subhash	08
6.	On Job Training	11/04/24	Sirohi	Subhash	11

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
7.	SST Training	18/04/24	Sirohi	Subhash	13
8.	SST Training	20/04/24	Sirohi	Satish	10
9.	On Job Training	22/04/24	Sirohi	Satish	09
10.	CWT Training	03/05/24	Sirohi	Satish/Subhash	14
11.	SST Training	06/05/24	Sirohi	Satish	10
12.	SST Training	10/05/24	Sirohi	Subhash	09
13.	CWT Training	15/05/24	Sirohi	Subhash	15
14.	SST Training	17/05/24	Sirohi	Subhash	08
15.	On Job Training	19/05/24	Sirohi	Subhash	11
16.	SST Training	21/05/24	Sirohi	Satish/Subhash	13
17.	SST Training	26/05/24	Sirohi	Satish	10
18.	On Job Training	27/05/24	Sirohi	Satish	09
19.	SST Training	29/05/24	Sirohi	Subhash	13
20.	CWT Training	03/06/24	Sirohi	Subhash	12
21.	SST Training	08/06/24	Sirohi	Subhash	08
22.	SST Training	12/06/24	Sirohi	Satish/Subhash	06
23.	CWT Training	16/06/24	Sirohi	Satish	14
24.	SST Training	19/06/24	Sirohi	Satish	09
25.	On Job Training	24/06/24	Sirohi	Subhash	11
26.	SST Training	26/06/24	Sirohi	Satish/Subhash	09
27.	SST Training	28/06/24	Sirohi	Subhash	08
28.	On Job Training	30/06/24	Sirohi	Subhash	08
29.	SST Training	05/07/24	Sirohi	Subhash	10
30.	SST Training	08/07/24	Sirohi	Satish/Subhash	08
31.	CWT Training	11/07/24	Sirohi	Satish	14
32.	SST Training	14/07/24	Sirohi	Satish	09
33.	On Job Training	19/07/24	Sirohi	Subhash	10
34.	SST Training	23/07/24	Sirohi	Satish/Subhash	12
35.	SST Training	25/07/24	Sirohi	Satish/Subhash	11
36.	On Job Training	29/07/24	Sirohi	Subhash	09
37.	On Job Training	31/07/24	Sirohi	Satish/Subhash	09
38.	SST Training	02/08/24	Sirohi	Subhash	09
39.	OJT Training	06/08/24	Sirohi	Satish/Subhash	07
40.	OJT Training	08/08/24	Sirohi	Satish	07
41.	SST Training	12/08/24	Sirohi	Satish	08
42.	Mock drill Training	27/08/24	Sirohi	Vaishnav	06
43.	EHS Induction	26/09/24	Sirohi	Subhash	06
44.	SST Training	26/09/24	Sirohi	Vaishnav/Subhash	10
45.	CWT Training	27/09/24	Sirohi	Vaishnav	12
46.	EHS Induction	27/09/24	Sirohi	Vaishnav	07
47.	OJT Training	27/09/24	Sirohi	Subhash/Vaishnav	04
48.	Mock drill Training	29/09/24	Sirohi	Vaishnav/ Subhash	07
49.	Mock drill Training	30/09/24	Sirohi	Vaishnav	09
Banswara					
1.	PPE 's safety Training	18/04/2024	Udaipur Road	Ashish Bhadauria	14
2.	Training Of Material Handling				
3.	Covid – 19 Training	22/04/2024	Bhahubali Colony	Ashish Bhadauria	11
4.	Contractor Workmen Training				

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
5.	First Aid Training				
6.	Alert Training				
7.	Induction Training				
8.	Work at Height Training	15/04/2024	Near Labour Camp	Ashish Bhadauria	12
9.	Fire Safety Training				
10.	House Keeping Training				
11.	Excavation Safety Training	08/04/2023	Harijan Basti	Ashish Bhadauria	2
12.	Loading Unloading Safety				
13.	Ladder Safety Training	25/04/2024	Harijan Basti	Ashish Bhadauria	3
14.	Labour Meeting	01//05/2024	STP	Ashish Bhadauria	64
15.	Electrical safety training	18/05/2024	STP	Ashish Bhadauria	1
16.	Site Specific training	19/05/2024	Harijan Basti	Ashish Bhadauria	9
17.	PPE 's safety Training	13/05/2024	Rati Talai	Ashish Bhadauria	8
18.	Training Of Material Handling	15/05/2024	Labour Camp	Ashish Bhadauria	9
19.	Contractor Workmen Training	07/05/2024	Khandu Colony	Ashish Bhadauria	20
20.	Alert Training	29/05/2024	Harijan Basti	Ashish Bhadauria	7
21.	Fire Safety Training	31/05/2024	WTP	Ashish Bhadauria	8
22.	House Keeping Training	16/05/2024	Bahubali Colony	Ashish Bhadauria	17
23.	Excavation Safety Training	02/05/2024	Harijan Basti	Ashish Bhadauria	2
24.	Ladder Safety Training	23/05/2024	Harijan Basti	Ashish Bhadauria	23
25.	Labour Meeting	09//05/2024	STP	Ashish Bhadauria	22
26.	Road Safety Training	25/05/2024	Custom Circle	Ashish Bhadauria	44
27.	Site Specific training	19/06/2024	Harijan Basti	Ashish Bhadauria	9
28.	PPE 's safety Training	13/06/2024	Rati Talai	Ashish Bhadauria	8
29.	Training Of Material Handling	15/06/2024	WTP Site	Ashish Bhadauria	12
30.	Contractor Workmen Training	07/06/2024	Khandu Colony	Ashish Bhadauria	20
31.	Alert Training	29/06/2024	Harijan Basti	Ashish Bhadauria	7
32.	Work at Height Training	15/06/2024	WTP SITE	Ashish Bhadauria	12
33.	House Keeping Training	16/06/2024	Bahubali Colony	Ashish Bhadauria	17
34.	Excavation Safety Training	02/06/2024	Harijan Basti	Ashish Bhadauria	2
35.	Ladder Safety Training	23/06/2024	Harijan Basti	Ashish Bhadauria	23
36.	Labour Meeting	09//06/2024	STP	Ashish Bhadauria	22
37.	Road Safety Training	25/06/2024	Custom Circle	Ashish Bhadauria	44
38.	Site Specific training	07/07/2024	Harijan Basti	Ashish Bhadauria	9
39.	PPE 's safety Training	11/07/2024	Muslim Colony	Ashish Bhadauria	8
40.	Contractor Workmen Training	13/07/2024	Labour Camp	Ashish Bhadauria	122
41.	Alert Training	16/07/2024	Shri Ram Colony	Ashish Bhadauria	7
42.	Excavation Safety Training	25/07/2024	Subhas Nagar	Ashish Bhadauria	2
43.	Road Safety Training	29/07/2024	Custom Circle	Ashish Bhadauria	28
44.	Electrical safety training	03/08/2024	STP	Ashish Bhadauria	2
45.	Site Specific training	07/08/2024	Harijan Basti	Ashish Bhadauria	9
46.	PPE 's safety Training	11/08/2024	Kagdi P. House	Ashish Bhadauria	17

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
47.	Training Of Material Handling	17/08/2024	Store Yard	Ashish Bhadauria	7
48.	Covid – 19 Training	21/08/2024	Labour Camp	Ashish Bhadauria	33
49.	Contractor Workmen Training	13/08/2024	Labour Camp	Ashish Bhadauria	22
50.	First Aid Training	09/08/2024	WTP	Ashish Bhadauria	2
51.	Alert Training	16/08/2024	Shri Ram Colony	Ashish Bhadauria	7
52.	Work at Height Training	31/08/2024	STP	Ashish Bhadauria	9
53.	Fire Safety Training	14/08/2024	Ratlam Road	Ashish Bhadauria	2
54.	House Keeping Training	22/08/2024	Labour Camp	Ashish Bhadauria	13
55.	Excavation Safety Training	25/08/2024	STP	Ashish Bhadauria	3
56.	Loading UnloadinG Safety	27/08/2024	WTP	Ashish Bhadauria	8
57.	Road Safety Training	29/08/2024	Nathe Talab	Ashish Bhadauria	3
58.	Electrical safety training	03/09/2024	STP	Ashish Bhadauria	2
59.	PPE 's safety Training	11/09/2024	Kagdi P. House	Ashish Bhadauria	17
60.	Training Of Material Handling	17/09/2024	Store Yard	Ashish Bhadauria	7
61.	Coved – 19 Training	21/09/2024	Labour Camp	Ashish Bhadauria	33
62.	Contractor Workmen Training	13/09/2024	Labour Camp	Ashish Bhadauria	22
63.	First Aid Training	09/09/2024	WTP	Ashish Bhadauria	2
64.	Alert Training	16/09/2024	Shri Ram Colony	Ashish Bhadauria	7
65.	House Keeping Training	22/09/2024	Labour Camp	Ashish Bhadauria	13
66.	ROAD SAFETY TRAINING	26/9/2024	WTP	Ashish Bhadauria	3
67.	Loading Unloading Safety	27/09/2024	WTP	Ashish Bhadauria	8
Sardarshahar Town					
1.	Defensive Driving	2024/04/23	Sardarshahar	Rakesh Kumar Sahu	9
2.	EHS Alert, WET IC EHS Alert 02 (FY 25)- EHS Campaign - Excavation Safety-7	2024/04/26	Sardarshahar	Rakesh Kumar Sahu	5
3.	EHS Alert, WET IC EHS Alert 01 (FY 25)- Workforce Wellness Program-7	2024/04/24	Sardarshahar	Rakesh Kumar Sahu	3
4.	Debris and Waste	2024/04/10	Sardarshahar	Rakesh Kumar Sahu	7
5.	Mock Drill	2024/04/03	Sardarshahar	Rakesh Kumar Sahu	5
6.	EHS Alert, WET IC EHS Alert 03 (FY 25)- Deployment of New Workmen-7	2024/04/23	Sardarshahar	Rakesh Kumar Sahu	8
7.	Mock Drill	2024/04/26	Sardarshahar	Rakesh Kumar Sahu	13
8.	Personal Protective Equipment	2024/04/25	Sardarshahar	Rakesh Kumar Sahu	7
9.	Debris and Waste	2024/04/10	Sardarshahar	Rakesh Kumar Sahu	16
10.	Personal Protective Equipment	2024/04/08	Sardarshahar	Rakesh Kumar Sahu	16
11.	Personal Protective Equipment	2024/04/03	Sardarshahar	Rakesh Kumar Sahu	9
12.	Debris and Waste	2024/04/02	Sardarshahar	Rakesh Kumar Sahu	12
13.	EHS Alert, WET IC EHS Alert 03 (FY 25)- Deployment of New Workmen-7	2024/04/06	Sardarshahar	Rakesh Kumar Sahu	19
14.	EHS Alert, WET IC EHS Alert 02 (FY 25)-	2024/04/06	Sardarshahar	Rakesh Kumar Sahu	19

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
	EHS Campaign - Excavation Safety-7				
15.	EHS Alert, WET IC EHS Alert 01 (FY 25)- Workforce Wellness Program-7	2024/04/06	Sardarshahar	Rakesh Kumar Sahu	19
16.	Legal Compliance	2024/05/29	Sardarshahar	Rakesh Kumar Sahu	11
17.	WET IC EHS Alert 08 (FY 25) – Heat Stroke and Exhaustion-0	2024/05/21	Sardarshahar	Rakesh Kumar Sahu	10
18.	WET IC EHS Alert 08 (FY 25) – Heat Stroke and Exhaustion-0	2024/05/21	Sardarshahar	Rakesh Kumar Sahu	11
19.	Mock Drill	2024/05/28	Sardarshahar	Rakesh Kumar Sahu	12
20.	Work at Height	2024/05/08	Sardarshahar	Rakesh Kumar Sahu	10
21.	Driving Safety	2024/05/20	Sardarshahar	Rakesh Kumar Sahu	21
22.	Defensive Driving	2024/05/20	Sardarshahar	Rakesh Kumar Sahu	21
23.	WET IC EHS Alert 04 (FY 25) – Transit Mixer Topple Incident-1	2024/05/21	Sardarshahar	Rakesh Kumar Sahu	11
24.	Work at Height	2024/05/08	Sardarshahar	Rakesh Kumar Sahu	10
25.	Debris and Waste	2024/05/11	Sardarshahar	Rakesh Kumar Sahu	13
26.	Excavation and Trenching	2024/05/14	Sardarshahar	Rakesh Kumar Sahu	9
27.	Personal Protective Equipment	2024/05/09	Sardarshahar	Rakesh Kumar Sahu	28
28.	IMS Training	2024/05/14	Sardarshahar	Rakesh Kumar Sahu	1
29.	WET IC EHS Alert 06 (FY 25) – EHS Campaign – Workforce EHS Induction Training-1	2024/05/08	Sardarshahar	Rakesh Kumar Sahu	17
30.	WET IC EHS Alert 05 (FY 25) – Audit Finding & Learning Outcome - Q4 FY24-0	2024/05/03	Sardarshahar	Rakesh Kumar Sahu	10
31.	WET IC EHS Alert 05 (FY 25) – Audit Finding & Learning Outcome - Q4 FY24-0	2024/05/04	Sardarshahar	Rakesh Kumar Sahu	6
32.	WET IC EHS Alert 04 (FY 25) – Transit Mixer Topple Incident-1	2024/05/02	Sardarshahar	Rakesh Kumar Sahu	11
33.	Slips, Trips and Falls	28-06-2024	Sardarshahar	Rakesh Kumar Sahu	32
34.	EHS Alert	28-06-2024	Sardarshahar	Rakesh Kumar Sahu	32
35.	Mock Drill	22-06-2024	Sardarshahar	Rakesh Kumar Sahu	10
36.	Mock Drill	21-06-2024	Sardarshahar	Rakesh Kumar Sahu	7
37.	Work at Height	18-06-2024	Sardarshahar	Rakesh Kumar Sahu	11
38.	Mock Drill	20-06-2024	Sardarshahar	Rakesh Kumar Sahu	12
39.	Environment Management	04-06-2024	Sardarshahar	Rakesh Kumar Sahu	20
40.	Excavation and Trenching	04-06-2024	Sardarshahar	Rakesh Kumar Sahu	22
41.	EHS Alert	11-06-2024	Sardarshahar	Rakesh Kumar Sahu	10
42.	Working at Night	10-06-2024	Sardarshahar	Rakesh Kumar Sahu	5
43.	Mock Drill	13-06-2024	Sardarshahar	Rakesh Kumar Sahu	7
44.	Slips, Trips and Falls	10-06-2024	Sardarshahar	Rakesh Kumar Sahu	20
45.	Environment Management	05-06-2024	Sardarshahar	Rakesh Kumar Sahu	20
46.	Environment Management	05-06-2024	Sardarshahar	Rakesh Kumar Sahu	22
47.	Personal Protective Equipment	28-07-2024	Sardarshahar	Rakesh Kumar Sahu	10
48.	Work at Height	22-07-2024	Sardarshahar	Rakesh Kumar Sahu	10

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
49.	WET IC EHS Alert 11 (FY 25) - Electrical short circuit Incident	20-07-2024	Sardarshahar	Rakesh Kumar Sahu	20
50.	WET IC EHS ALERT 10(FY 25)- Work at Height Safety Campaign	16-07-2024	Sardarshahar	Rakesh Kumar Sahu	20
51.	Mock Drill	18-07-2024	Sardarshahar	Rakesh Kumar Sahu	11
52.	Mock Drill	18-07-2024	Sardarshahar	Rakesh Kumar Sahu	9
53.	Work at Height	10-07-2024	Sardarshahar	Rakesh Kumar Sahu	32
54.	5s At Workplace	04-07-2024	Sardarshahar	Rakesh Kumar Sahu	20
55.	WET IC EHS Alert 11 (FY 25) - Electrical short circuit Incident	02-07-2024	Sardarshahar	Rakesh Kumar Sahu	20
56.	other-Internal	2024/08/28	Sardarshahar	Rakesh Kumar Sahu	10
57.	Electrical Safety	2024/08/27	Sardarshahar	Rakesh Kumar Sahu	9
58.	EHS Alert	2024/08/27	Sardarshahar	Rakesh Kumar Sahu	5
59.	EHS Alert	2024/08/23	Sardarshahar	Rakesh Kumar Sahu	13
60.	Personal Protective Equipment	2024/08/17	Sardarshahar	Rakesh Kumar Sahu	7
61.	Confined Space	2024/08/16	Sardarshahar	Rakesh Kumar Sahu	5
62.	Confined Space	2024/08/16	Sardarshahar	Rakesh Kumar Sahu	7
63.	EHS Alert	2024/08/16	Sardarshahar	Rakesh Kumar Sahu	12
64.	EHS Alert	2024/08/13	Sardarshahar	Rakesh Kumar Sahu	12
65.	EHS Alert	2024/08/09	Sardarshahar	Rakesh Kumar Sahu	13
66.	other-Internal	30-09-2024	Sardarshahar	Rakesh Kumar Sahu	5
67.	other-Internal	30-09-2024	Sardarshahar	Rakesh Kumar Sahu	6
68.	CWT	23-09-2024	Sardarshahar	Rakesh Kumar Sahu	8
69.	CWT	26-09-2024	Sardarshahar	Rakesh Kumar Sahu	10
70.	CWT	12-09-2024	Sardarshahar	Rakesh Kumar Sahu	8
71.	other-Internal	26-09-2024	Sardarshahar	Rakesh Kumar Sahu	16
72.	WET IC EHS Alert 17(FY 25) - Housekeeping Campaign & 5S Implementation-0	17-09-2024	Sardarshahar	Rakesh Kumar Sahu	8
73.	WET IC EHS Alert 17(FY 25) - Housekeeping Campaign & 5S Implementation-0	17-09-2024	Sardarshahar	Rakesh Kumar Sahu	7
74.	WET IC EHS Alert 16(FY 25) – EHS Campaign -Electrical Safety-0	16-09-2024	Sardarshahar	Rakesh Kumar Sahu	8
75.	WET IC EHS Alert 17(FY 25) - Housekeeping Campaign & 5S Implementation-0	16-09-2024	Sardarshahar	Rakesh Kumar Sahu	6
76.	EHS alert	16-09-2024	Sardarshahar	Rakesh Kumar Sahu	8
77.	SST	10-09-2024	Sardarshahar	Rakesh Kumar Sahu	27
78.	SST	11-09-2024	Sardarshahar	Rakesh Kumar Sahu	14
79.	SST	04-09-2024	Sardarshahar	Rakesh Kumar Sahu	18
80.	other-Internal	01-09-2024	Sardarshahar	Rakesh Kumar Sahu	14
81.	CWT	01-09-2024	Sardarshahar	Rakesh Kumar Sahu	14
Ratangarh Town					
1.	Door to door meeting	05-04-24	Zone:- 1,2,5	Praveen singh and Chhoturam mali	15
2.	Community meeting	20-04-24	Zone:- 1,2,5	Praveen singh and Chhoturam mali	30

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
3.	Aanganwadi Meeting with kids	23-04-24	Zone:- 1,2,5	Praveen singh and Chhoturam mali	20
4.	Door to door meeting	09-05-24	Zone:- 1,2,5	Praveen singh and Chhoturam mali	25
5.	Community meeting	17-05-24	Zone:- 1,2,5	Praveen singh and Chhoturam mali	45
6.	Aanganwadi Meeting with kids	25-05-24	Zone:- 1,2,5	Praveen Singh and Chhoturam mali	30
7.	Door to door meeting	07-06-24	Zone:- 1,2,4,5	Praveen singh and Chhoturam mali	20
8.	Community meeting	14-06-24	Zone:- 1,2,4,5	Praveen singh and Chhoturam mali	40
9.	Aanganwadi Meeting with kids	22-06-24	Zone:- 1,2,4,5	Praveen singh and Chhoturam mali	35
10.	Door to door meeting	13-07-24	Zone:- 1,2,4,5	Praveen singh and Chhoturam mali	35
11.	Community meeting	19-07-24	Zone:- 1,2,4,5	Praveen singh and Chhoturam mali	30
12.	Aanganwadi Meeting with kids	26-07-24	Zone:- 1,2,4,5	Praveen singh and Chhoturam mali	15
13.	Door to door meeting	10-08-24	Zone:- 3,4,5	Praveen Singh and Chhotu Ram Mali	30
14.	Community meeting	16-08-24	Zone:- 1,2,3,4,5	Praveen singh and Chhoturam mali	15
15.	Aanganwadi Meeting with kids	23-08-24	Zone:- 3,4,5	Praveen singh and Chhoturam mali	20
16.	Door to door meeting	07-09-24	Zone:- 1,2,3	Praveen Singh and Chhotu Ram Mali	40
17.	Community meeting	19-09-24	Zone:- 1,2,3	Praveen singh and Chhoturam mali	30
18.	Aanganwadi Meeting with kids	28-09-24	Zone:- 1,2	Praveen singh and Chhoturam mali	22
Fatehpur Town					
1.	Community Awareness	06-04-24	Zone:- 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	15
2.	Door To Door Consultation	12-04-24	Zone:- 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunil Kumar	25
3.	Discussion About Site Visit And Grievance	26-04-24	Zone:- 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	15
4.	Community Awareness	03-05-24	Zone:- 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	10
5.	Door To Door Consultation	17-05-24	Zone:- 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	20

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
6.	Discussion About Site Visit And Grievance	21-05-24	Zone:- 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	20
7.	Community Awareness	08-06-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	18
8.	Door To Door Consultation	13-06-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	15
9.	Discussion About Site Visit And Grievance	27-06-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	25
10.	Community Awareness	08-06-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	18
11.	Door To Door Consultation	13-06-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	15
12.	Discussion About Site Visit And Grievance	27-06-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	25
13.	Community Awareness	10-07-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	12
14.	Door To Door Consultation	19-07-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	20
15.	Discussion About Site Visit And Grievance	29-07-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	15
16.	Community Awareness	10-07-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	12
17.	Door To Door Consultation	19-07-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	20
18.	Discussion About Site Visit And Grievance	29-07-24	Zone: - 1,2	Mr. Kamalesh, Mr. Anil singh, Miss Manisha, Mr. Sunilkumar	15

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
Kuchaman Town					
1.	Site Specific Training (SST)	05.04.2024	Kuchaman	Anurag Bagherwal	06
2.	Site Specific Training (SST)	05.04.2024	Kuchaman	Anurag Bagherwal	06
3.	Site Specific Training (SST)	05.04.2024	Kuchaman	Anurag Bagherwal	03
4.	Site Specific Training (SST)	05.04.2024	Kuchaman	Anurag Bagherwal	07
5.	Contractor Workmen Training (CWT)	06.04.2024	Kuchaman	Anurag Bagherwal	12
6.	First Aid Training (FAT)	06.04.2024	Kuchaman	Anurag Bagherwal	05
7.	EHS ALERT	08.04.2024	Kuchaman	Anurag Bagherwal	08
8.	Site Specific Training (SST)	08.04.2024	Kuchaman	Anurag Bagherwal	06
9.	EHS ALERT	08.04.2024	Kuchaman	Anurag Bagherwal	10
10.	First Aid Training (FAT)	09.04.2024	Kuchaman	Anurag Bagherwal	04
11.	Contractor Workmen Training (CWT)	09.04.2024	Kuchaman	Anurag Bagherwal	03
12.	Contractor Workmen Training (CWT)	09.04.2024	Kuchaman	Anurag Bagherwal	05
13.	Contractor Workmen Training (CWT)	09.04.2024	Kuchaman	Anurag Bagherwal	03
14.	Contractor Workmen Training (CWT)	12.04.2024	Kuchaman	Anurag Bagherwal	05
15.	Site Specific Training (SST)	12.04.2024	Kuchaman	Anurag Bagherwal	05
16.	Site Specific Training (SST)	12.04.2024	Kuchaman	Anurag Bagherwal	10
17.	Site Specific Training (SST)	12.04.2024	Kuchaman	Anurag Bagherwal	04
18.	First Aid Training (FAT)	12.04.2024	Kuchaman	Anurag Bagherwal	03
19.	First Aid Training (FAT)	17.04.2024	Kuchaman	Anurag Bagherwal	04
20.	Contractor Workmen Training (CWT)	22.04.2024	Kuchaman	Anurag Bagherwal	02
21.	Contractor Workmen Training (CWT)	23.04.2024	Kuchaman	Anurag Bagherwal	05
22.	Contractor Workmen Training (CWT)	24.04.2024	Kuchaman	Anurag Bagherwal	04
23.	Site Specific Training (SST)	24.04.2024	Kuchaman	Anurag Bagherwal	05
24.	Site Specific Training (SST)	25.04.2024	Kuchaman	Anurag Bagherwal	06
25.	MOCK DRILL (Electrocution)	05.04.2024	Kuchaman	Anurag Bagherwal	06
26.	MOCK DRILL (HIT BY VEHICLE)	08.04.2024	Kuchaman	Anurag Bagherwal	07
27.	Contractor Workmen Training (CWT)	03.05.2024	Kuchaman	Anurag Bagherwal	11
28.	Site Specific Training (SST)	04.05.2024	Kuchaman	Anurag Bagherwal	06
29.	Site Specific Training (SST)	04.05.2024	Kuchaman	Anurag Bagherwal	07
30.	Contractor Workmen Training (CWT)	04.05.2024	Kuchaman	Anurag Bagherwal	03
31.	Site Specific Training (SST)	04.05.2024	Kuchaman	Anurag Bagherwal	05
32.	First Aid Training (FAT)	04.05.2024	Kuchaman	Anurag Bagherwal	03
33.	Contractor Workmen Training (CWT)	06.05.2024	Kuchaman	Anurag Bagherwal	06
34.	First Aid Training (FAT)	08.05.2024	Kuchaman	Anurag Bagherwal	03
35.	Contractor Workmen Training (CWT)	08.05.2024	Kuchaman	Anurag Bagherwal	06
36.	Contractor Workmen Training (CWT)	09.05.2024	Kuchaman	Anurag Bagherwal	07
37.	First Aid Training (FAT)	09.05.2024	Kuchaman	Anurag Bagherwal	07
38.	Site Specific Training (SST)	09.05.2024	Kuchaman	Anurag Bagherwal	04
39.	Site Specific Training (SST)	09.05.2024	Kuchaman	Anurag Bagherwal	04
40.	EHS ALERT	11.05.2024	Kuchaman	Anurag Bagherwal	06
41.	EHS ALERT	11.05.2024	Kuchaman	Anurag Bagherwal	08
42.	Contractor Workmen Training (CWT)	15.05.2024	Kuchaman	Anurag Bagherwal	13
43.	First Aid Training (FAT)	15.05.2024	Kuchaman	Anurag Bagherwal	08
44.	Contractor Workmen Training (CWT)	16.05.2024	Kuchaman	Anurag Bagherwal	12
45.	Contractor Workmen Training (CWT)	17.05.2024	Kuchaman	Anurag Bagherwal	03
46.	Contractor Workmen Training (CWT)	20.05.2024	Kuchaman	Anurag Bagherwal	07
47.	Contractor Workmen Training (CWT)	21.05.2024	Kuchaman	Anurag Bagherwal	03

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
48.	Site Specific Training (SST)	24.05.2024	Kuchaman	Anurag Bagherwal	06
49.	Site Specific Training (SST)	25.05.2024	Kuchaman	Anurag Bagherwal	19
50.	EHS ALERT	25.05.2024	Kuchaman	Anurag Bagherwal	18
51.	Site Specific Training (SST)	27.05.2024	Kuchaman	Anurag Bagherwal	10
52.	Mock Drill (Hit By Vehicle)	09.05.2024	Kuchaman	Anurag Bagherwal	06
53.	Mock Drill(Electrocution	09.05.2024	Kuchaman	Anurag Bagherwal	06
54.	Mock Drill(Heatstroke)	11.05.2024	Kuchaman	Anurag Bagherwal	09
55.	Contractor Workmen Training (CWT)	11.06.2024	Kuchaman	Anurag Bagherwal	03
56.	Contractor Workmen Training (CWT)	17.06.2024	Kuchaman	Anurag Bagherwal	05
57.	Contractor Workmen Training (CWT)	19.06.2024	Kuchaman	Anurag Bagherwal	04
58.	Contractor Workmen Training (CWT)	19.06.2024	Kuchaman	Anurag Bagherwal	03
59.	Contractor Workmen Training (CWT)	20.06.2024	Kuchaman	Anurag Bagherwal	02
60.	Contractor Workmen Training (CWT)	20.06.2024	Kuchaman	Anurag Bagherwal	01
61.	EHS ALERT	07.06.2024	Kuchaman	Anurag Bagherwal	08
62.	EHS ALERT	07.06.2024	Kuchaman	Anurag Bagherwal	06
63.	First Aid Training (FAT)	11.06.2024	Kuchaman	Anurag Bagherwal	03
64.	First Aid Training (FAT)	12.06.2024	Kuchaman	Anurag Bagherwal	04
65.	First Aid Training (FAT)	19.06.2024	Kuchaman	Anurag Bagherwal	03
66.	First Aid Training (FAT)	27.06.2024	Kuchaman	Anurag Bagherwal	04
67.	Site Specific Training (SST)	04.06.2024	Kuchaman	Anurag Bagherwal	08
68.	Site Specific Training (SST)	07.06.2024	Kuchaman	Anurag Bagherwal	07
69.	Site Specific Training (SST)	07.06.2024	Kuchaman	Anurag Bagherwal	06
70.	Site Specific Training (SST)	10.06.2024	Kuchaman	Anurag Bagherwal	05
71.	Site Specific Training (SST)	10.06.2024	Kuchaman	Anurag Bagherwal	03
72.	Site Specific Training (SST)	10.06.2024	Kuchaman	Anurag Bagherwal	05
73.	Site Specific Training (SST)	14.06.2024	Kuchaman	Anurag Bagherwal	09
74.	Site Specific Training (SST)	14.06.2024	Kuchaman	Anurag Bagherwal	04
75.	Site Specific Training (SST)	14.06.2024	Kuchaman	Anurag Bagherwal	07
76.	Site Specific Training (SST)	17.06.2024	Kuchaman	Anurag Bagherwal	04
77.	Site Specific Training (SST)	19.06.2024	Kuchaman	Anurag Bagherwal	07
78.	Site Specific Training (SST)	19.06.2024	Kuchaman	Anurag Bagherwal	06
79.	Site Specific Training (SST)	18.06.2024	Kuchaman	Anurag Bagherwal	12
80.	Mock Drill(Electrocution	07.06.2024	Kuchaman	Anurag Bagherwal	06
81.	Mock Drill(Heatstroke)	07.06.2024	Kuchaman	Anurag Bagherwal	08
82.	Contractor Workmen Training (CWT)	01.07.2024	Kuchaman	Anurag Bagherwal	04
83.	First Aid Training (FAT)	01.07.2024	Kuchaman	Anurag Bagherwal	04
84.	Site Specific Training (SST)	02.07.2024	Kuchaman	Anurag Bagherwal	05
85.	Site Specific Training (SST)	02.07.2024	Kuchaman	Anurag Bagherwal	05
86.	Site Specific Training (SST)	02.07.2024	Kuchaman	Anurag Bagherwal	06
87.	Site Specific Training (SST)	02.07.2024	Kuchaman	Anurag Bagherwal	04
88.	Contractor Workmen Training (CWT)	03.07.2024	Kuchaman	Anurag Bagherwal	03
89.	EHS ALERT	03.07.2024	Kuchaman	Anurag Bagherwal	07
90.	Mock Drill (Electrocution)	03.07.2024	Kuchaman	Anurag Bagherwal	06
91.	Mock Drill(Hit By Vehicle)	03.07.2024	Kuchaman	Anurag Bagherwal	05
92.	EHS ALERT	03.07.2024	Kuchaman	Anurag Bagherwal	6
93.	EHS ALERT	04.07.2024	Kuchaman	Anurag Bagherwal	03
94.	Contractor Workmen Training (CWT)	04.07.2024	Kuchaman	Anurag Bagherwal	07
95.	Contractor Workmen Training (CWT)	05.07.2024	Kuchaman	Anurag Bagherwal	03

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
96.	First Aid Training (FAT)	06.07.2024	Kuchaman	Anurag Bagherwal	06
97.	Contractor Workmen Training (CWT)	06.07.2024	Kuchaman	Anurag Bagherwal	06
98.	Contractor Workmen Training (CWT)	08.07.2024	Kuchaman	Anurag Bagherwal	05
99.	Contractor Workmen Training (CWT)	13.07.2024	Kuchaman	Anurag Bagherwal	04
100.	First Aid Training (FAT)	17.07.2024	Kuchaman	Anurag Bagherwal	02
101.	Site Specific Training (SST)	19.07.2024	Kuchaman	Anurag Bagherwal	06
102.	Site Specific Training (SST)	19.07.2024	Kuchaman	Anurag Bagherwal	04
103.	Contractor Workmen Training (CWT)	20.07.2024	Kuchaman	Anurag Bagherwal	02
104.	Contractor Workmen Training (CWT)	22.07.2024	Kuchaman	Anurag Bagherwal	08
105.	First Aid Training (FAT)	23.07.2024	Kuchaman	Anurag Bagherwal	06
106.	Contractor Workmen Training (CWT)	23.07.2024	Kuchaman	Anurag Bagherwal	06
107.	Contractor Workmen Training (CWT)	23.07.2024	Kuchaman	Anurag Bagherwal	08
108.	Site Specific Training (SST)	24.07.2024	Kuchaman	Anurag Bagherwal	04
109.	Contractor Workmen Training (CWT)	27.07.2024	Kuchaman	Anurag Bagherwal	07
110.	EHS ALERT	31.07.224	Kuchaman	Anurag Bagherwal	10
111.	Contractor Workmen Training (CWT)	02.08.2024	Kuchaman	Anurag Bagherwal	03
112.	Contractor Workmen Training (CWT)	03.08.2024	Kuchaman	Anurag Bagherwal	03
113.	Contractor Workmen Training (CWT)	05.08.2024	Kuchaman	Anurag Bagherwal	04
114.	First Aid Training (FAT)	05.08.2024	Kuchaman	Anurag Bagherwal	04
115.	First Aid Training (FAT)	08.08.2024	Kuchaman	Anurag Bagherwal	04
116.	First Aid Training (FAT)	10.08.2024	Kuchaman	Anurag Bagherwal	06
117.	Mock Drill [Electrocution]	13.08.2024	Kuchaman	Anurag Bagherwal	05
118.	Mock Drill Hit By Vehicle	13.08.2024	Kuchaman	Anurag Bagherwal	04
119.	Site Specific Training (SST)	13.08.2024	Kuchaman	Anurag Bagherwal	10
120.	Site Specific Training (SST)	13.08.2024	Kuchaman	Anurag Bagherwal	05
121.	Site Specific Training (SST)	13.08.2024	Kuchaman	Anurag Bagherwal	05
122.	Site Specific Training (SST)	23.08.2024	Kuchaman	Anurag Bagherwal	04
123.	Site Specific Training (SST)	24.08.2024	Kuchaman	Anurag Bagherwal	03
124.	Contractor Workmen Training (CWT)	26.08.2024	Kuchaman	Anurag Bagherwal	05
125.	Contractor Workmen Training (CWT)	26.08.2024	Kuchaman	Anurag Bagherwal	14
126.	Contractor Workmen Training (CWT)	26.08.2024	Kuchaman	Anurag Bagherwal	04
127.	Mock Drill Snake Bite	26.08.2024	Kuchaman	Anurag Bagherwal	06
128.	First Aid Training (FAT)	26.08.2024	Kuchaman	Anurag Bagherwal	08
129.	Contractor Workmen Training (CWT)	27.08.2024	Kuchaman	Anurag Bagherwal	02
130.	Contractor Workmen Training (CWT)	27.08.2024	Kuchaman	Anurag Bagherwal	04
131.	EHS ALERT	27.08.2024	Kuchaman	Anurag Bagherwal	07
132.	EHS ALERT	27.08.2024	Kuchaman	Anurag Bagherwal	06
133.	Site Specific Training (SST)	27.08.2024	Kuchaman	Anurag Bagherwal	06
134.	Site Specific Training (SST)	27.08.2024	Kuchaman	Anurag Bagherwal	03
135.	EHS ALERT	27.08.2024	Kuchaman	Anurag Bagherwal	07
136.	Site Specific Training (SST)	28.08.2024	Kuchaman	Anurag Bagherwal	06
137.	Contractor Workmen Training (CWT)	02.09.2024	Kuchaman	Anurag Bagherwal	01
138.	Site Specific Training (SST)	04.09.2024	Kuchaman	Anurag Bagherwal	09
139.	Contractor Workmen Training (CWT)	06.09.2024	Kuchaman	Anurag Bagherwal	02
140.	Site Specific Training (SST)	06.09.2024	Kuchaman	Anurag Bagherwal	06
141.	Site Specific Training (SST)	06.09.2024	Kuchaman	Anurag Bagherwal	05
142.	Site Specific Training (SST)	06.09.2024	Kuchaman	Anurag Bagherwal	05
143.	EHS ALERT	06.09.2024	Kuchaman	Anurag Bagherwal	06

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
144.	EHS ALERT	06.09.2024	Kuchaman	Anurag Bagherwal	08
145.	EHS ALERT	06.09.2024	Kuchaman	Anurag Bagherwal	05
146.	Mock Drill (Snake Bite)	06.09.2024	Kuchaman	Anurag Bagherwal	05
147.	Mock Drill(Hit By Vehicle)	06.09.2024	Kuchaman	Anurag Bagherwal	04
148.	Mock Drill (Electrocution)	06.09.2024	Kuchaman	Anurag Bagherwal	06
149.	Contractor Workmen Training (CWT)	07.09.2024	Kuchaman	Anurag Bagherwal	15
150.	First Aid Training (FAT)	07.09.2024	Kuchaman	Anurag Bagherwal	07
151.	Contractor Workmen Training (CWT)	09.09.2024	Kuchaman	Anurag Bagherwal	06
152.	First Aid Training (FAT)	09.09.2024	Kuchaman	Anurag Bagherwal	05
153.	Site Specific Training (SST)	18.09.2024	Kuchaman	Anurag Bagherwal	08
154.	Contractor Workmen Training (CWT)	19.09.2024	Kuchaman	Anurag Bagherwal	03
155.	Contractor Workmen Training (CWT)	19.09.2024	Kuchaman	Anurag Bagherwal	04
156.	First Aid Training (FAT)	19.09.2024	Kuchaman	Anurag Bagherwal	03
157.	Site Specific Training (SST)	21.09.2024	Kuchaman	Anurag Bagherwal	05
158.	First Aid Training (FAT)	23.09.2024	Kuchaman	Anurag Bagherwal	04
159.	First Aid Training (FAT)	23.09.2024	Kuchaman	Anurag Bagherwal	04
Didwana Town					
1.	Induction-01	13.04.2024	Didwana	Jeevan & Mehruddin	6
2.	SST - 01	15.04.2024	Didwana	Jeevan & Mehruddin	8
3.	CWT - 01	19.04.2024	Didwana	Jeevan & Mehruddin	6
4.	CWT - 02	23.04.2024	Didwana	Jeevan & Mehruddin	7
5.	SST - 02	25.04.2024	Didwana	Jeevan & Mehruddin	6
6.	SST - 03	26.04.2024	Didwana	Jeevan & Mehruddin	4
7.	Mock Drill 01	27.04.2024	Didwana	Jeevan & Mehruddin	0
8.	Induction -01	15.05.2024	Didwana	Jeevan & Mehruddin	4
9.	Induction -01	29.05.2024	Didwana	Jeevan & Mehruddin	4
10.	SST - 01	07.05.2024	Didwana	Jeevan & Mehruddin	6
11.	SST - 02	09.05.2024	Didwana	Jeevan & Mehruddin	7
12.	CWT - 01	10.05.2024	Didwana	Jeevan & Mehruddin	8
13.	SST - 03	13.05.2024	Didwana	Jeevan & Mehruddin	6
14.	CWT - 02	15.05.2024	Didwana	Jeevan & Mehruddin	4
15.	Mock Drill- 01	22.05.2024	Didwana	Jeevan & Mehruddin	6
16.	Mock Drill - 02	25.05.2024	Didwana	Jeevan & Mehruddin	5
17.	Induction -01	01.06.2024	Didwana	Jeevan & Mehruddin	2
18.	SST - 01	8.06.2024	Didwana	Jeevan & Mehruddin	6
19.	CWT - 01	10.06.2024	Didwana	Jeevan & Mehruddin	3
20.	CWT - 02	15.06.2024	Didwana	Jeevan & Mehruddin	3
21.	SST - 02	18.06.2024	Didwana	Jeevan & Mehruddin	3
22.	CWT - 03	19.06.2024	Didwana	Jeevan & Mehruddin	3
23.	Mock Drill- 01	22.06.2024	Didwana	Jeevan & Mehruddin	5
24.	Mock Drill - 02	24.06.2024	Didwana	Jeevan & Mehruddin	5
25.	Induction -01	03.07.2024	Didwana	Jeevan & Mehruddin	4
26.	Induction -02	16.07.2024	Didwana	Jeevan & Mehruddin	1
27.	Induction -03	27.07.2024	Didwana	Jeevan & Mehruddin	10
28.	CWT - 01	6.07.2024	Didwana	Jeevan & Mehruddin	6
29.	SST - 01	09.07.2024	Didwana	Jeevan & Mehruddin	4
30.	CWT - 02	15.07.2024	Didwana	Jeevan & Mehruddin	6
31.	SST - 02	18.07.2024	Didwana	Jeevan & Mehruddin	6

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
32.	CWT - 03	18.07.2024	Didwana	Jeevan & Mehruddin	3
33.	Mock Drill- 01	22.07.2024	Didwana	Jeevan & Mehruddin	4
34.	Mock Drill - 02	24.07.2024	Didwana	Jeevan & Mehruddin	4
35.	Induction -01	13-08-2024	Didwana	Jeevan & Mehruddin	5
36.	CWT - 01	12-08-2024	Didwana	Jeevan & Mehruddin	3
37.	SST - 01	16-08-2024	Didwana	Jeevan & Mehruddin	3
38.	CWT - 02	20-08-2024	Didwana	Jeevan & Mehruddin	3
39.	SST - 02	22-08-2024	Didwana	Jeevan & Mehruddin	4
40.	CWT - 03	26-08-2024	Didwana	Jeevan & Mehruddin	4
41.	Mock Drill- 01	26-08-2024	Didwana	Jeevan & Mehruddin	5
42.	Mock Drill - 02	27-08-2024	Didwana	Jeevan & Mehruddin	5
43.	Induction -01	14.09.2024	Didwana	Jeevan & Mehruddin	6
44.	Induction -02	20.09.2024	Didwana	Jeevan & Mehruddin	7
45.	Induction -03	26.09.2024	Didwana	Jeevan & Mehruddin	7
46.	CWT - 01	07.09.2024	Didwana	Jeevan & Mehruddin	2
47.	SST - 01	09.09.2024	Didwana	Jeevan & Mehruddin	4
48.	CWT - 02	20.09.2024	Didwana	Jeevan & Mehruddin	4
49.	SST - 02	23.09.2024	Didwana	Jeevan & Mehruddin	5
50.	CWT - 03	26.09.2024	Didwana	Jeevan & Mehruddin	4
51.	Mock Drill- 01	26.09.2024	Didwana	Jeevan & Mehruddin	5
52.	Mock Drill - 02	30-09-202	Didwana	Jeevan & Mehruddin	5
Ladnu Town					
1.	Induction-01	3-Apr-2024	Ladnu	Jeevan & Abhishek	0
2.	Induction-02	18-Apr-2024	Ladnu	Jeevan & Abhishek	7
3.	Induction-03	22-Apr-2024	Ladnu	Jeevan & Abhishek	4
4.	SST - 01	15-Apr-2024	Ladnu	Jeevan & Abhishek	6
5.	SST - 02	18-Apr-2024	Ladnu	Jeevan & Abhishek	7
6.	SST - 03	18-Apr-2024	Ladnu	Jeevan & Abhishek	7
7.	CWT-01	15-Apr-2024	Ladnu	Jeevan & Abhishek	6
8.	CWT - 02	22-Apr-2024	Ladnu	Jeevan & Abhishek	4
9.	EHS Alert -01	4-Apr-2024	Ladnu	Jeevan & Abhishek	7
10.	EHS Alert -02	23-Apr-2024	Ladnu	Jeevan & Abhishek	4
11.	Mock Drill-01	15-Apr-2024	Ladnu	Jeevan & Abhishek	6
12.	Mock Drill-02	15-Apr-2024	Ladnu	Jeevan & Abhishek	6
13.	Induction-01	2-May-2024	Ladnu	Jeevan & Abhishek	9
14.	Induction-02	3-May-2024	Ladnu	Jeevan & Abhishek	8
15.	Induction-03	3-May-2024	Ladnu	Jeevan & Abhishek	8
16.	Induction-04	6-May-2024	Ladnu	Jeevan & Abhishek	5
17.	Induction-05	13-May-2024	Ladnu	Jeevan & Abhishek	6
18.	SST - 01	3-May-2024	Ladnu	Jeevan & Abhishek	5
19.	SST - 02	4-May-2024	Ladnu	Jeevan & Abhishek	8
20.	SST - 03	13-May-2024	Ladnu	Jeevan & Abhishek	6
21.	SST -04	13-May-2024	Ladnu	Jeevan & Abhishek	13
22.	CWT - 01	2-May-2024	Ladnu	Jeevan & Abhishek	9
23.	CWT -02	3-May-2024	Ladnu	Jeevan & Abhishek	8
24.	CWT-03	6-May-2024	Ladnu	Jeevan & Abhishek	5
25.	CWT-04	24-May-2024	Ladnu	Jeevan & Abhishek	10
26.	EHS Alert -02	13-May-2024	Ladnu	Jeevan & Abhishek	6

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
27.	Mock Drill-01	12-May-2024	Ladnu	Jeevan & Abhishek	8
28.	Mock Drill-02	13-May-2024	Ladnu	Jeevan & Abhishek	6
29.	Induction-01	20-Jul-2024	Ladnu	Jeevan & Abhishek	4
30.	Induction-02	27-Jul-2024	Ladnu	Jeevan & Abhishek	4
31.	SST - 01	23-Jul-2024	Ladnu	Jeevan & Abhishek	12
32.	SST - 02	24-Jul-2024	Ladnu	Jeevan & Abhishek	12
33.	CWT-01	20-Jul-2024	Ladnu	Jeevan & Abhishek	4
34.	CWT - 02	22-Jul-2024	Ladnu	Jeevan & Abhishek	12
35.	CWT -03	23-Jul-2024	Ladnu	Jeevan & Abhishek	5
36.	EHS Alert -01	16-Jul-2024	Ladnu	Jeevan & Abhishek	7
37.	EHS Alert -02	18-Jul-2024	Ladnu	Jeevan & Abhishek	7
38.	Mock Drill-01	30-Jul-2024	Ladnu	Jeevan & Abhishek	7
39.	Mock Drill-02	30-Jul-2024	Ladnu	Jeevan & Abhishek	6
40.	Induction-01	8-Aug-2024	Ladnu	Jeevan & Abhishek	0
41.	Induction-02	22-Aug-2024	Ladnu	Jeevan & Abhishek	0
42.	Induction-03	23-Aug-2024	Ladnu	Jeevan & Abhishek	0
43.	Induction-04	26-Aug-2024	Ladnu	Jeevan & Abhishek	14
44.	SST - 01	1-Aug-2024	Ladnu	Jeevan & Abhishek	0
45.	SST - 02	26-Aug-2024	Ladnu	Jeevan & Abhishek	5
46.	SST - 03	28-Aug-2024	Ladnu	Jeevan & Abhishek	4
47.	CWT - 01	26-Aug-2024	Ladnu	Jeevan & Abhishek	14
48.	CWT -02	28-Aug-2024	Ladnu	Jeevan & Abhishek	5
49.	EHS Alert -01	9-Aug-2024	Ladnu	Jeevan & Abhishek	4
50.	EHS Alert -02	9-Aug-2024	Ladnu	Jeevan & Abhishek	9
51.	Mock Drill-01	28-Aug-2024	Ladnu	Jeevan & Abhishek	5
52.	Mock Drill-02	28-Aug-2024	Ladnu	Jeevan & Abhishek	6
53.	Induction-01	9-Sep-2024	Ladnu	Jeevan & Abhishek	4
54.	Induction-02	23-Sep-2024	Ladnu	Jeevan & Abhishek	6
55.	Induction-03	25-Sep-2024	Ladnu	Jeevan & Abhishek	6
56.	Induction-04	25-Sep-2024	Ladnu	Jeevan & Abhishek	6
57.	SST - 01	9-Sep-2024	Ladnu	Jeevan & Abhishek	0
58.	SST - 02	23-Sep-2024	Ladnu	Jeevan & Abhishek	6
59.	CWT-01	9-Sep-2024	Ladnu	Jeevan & Abhishek	4
60.	CWT - 02	25-Sep-2024	Ladnu	Jeevan & Abhishek	6
61.	CWT -03	25-Sep-2024	Ladnu	Jeevan & Abhishek	6
62.	EHS Alert -01	11-Sep-2024	Ladnu	Jeevan & Abhishek	11
63.	EHS Alert -02	11-Sep-2024	Ladnu	Jeevan & Abhishek	11
64.	Mock Drill-01	30-Sep-2024	Ladnu	Jeevan & Abhishek	5
65.	Mock Drill-02	30-Sep-2024	Ladnu	Jeevan & Abhishek	5
Makrana Town					
1.	Induction-01	4-Apr-2024	Makrana	Jeevan Kumar	8
2.	Induction-02	8-Apr-2024	Makrana	Jeevan Kumar	6
3.	Induction-03	25-Apr-2024	Makrana	Jeevan Kumar	2
4.	SST - 01	5-Apr-2024	Makrana	Jeevan Kumar	8
5.	SST - 02	6-Apr-2024	Makrana	Jeevan Kumar	5
6.	SST-03	9-Apr-2024	Makrana	Jeevan Kumar	5
7.	SST - 03	30-Apr-2024	Makrana	Jeevan Kumar	0
8.	CWT - 01	4-Apr-2024	Makrana	Jeevan Kumar	8

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
9.	CWT -02	8-Apr-2024	Makrana	Jeevan Kumar	6
10.	CWT-03	23-Apr-2024	Makrana	Jeevan Kumar	6
11.	CWT-04	25-Apr-2024	Makrana	Jeevan Kumar	2
12.	Mock Drill - 1	17-Apr-2024	Makrana	Jeevan Kumar	7
13.	Mock Drill - 2	25-Apr-2024	Makrana	Jeevan Kumar	6
14.	EHS Alert -01	22-Apr-2024	Makrana	Jeevan Kumar	6
15.	EHS Alert -02	23-Apr-2024	Makrana	Jeevan Kumar	5
16.	Induction-01	6-May-2024	Makrana	Jeevan Kumar	4
17.	Induction-02	11-May-2024	Makrana	Jeevan Kumar	2
18.	Induction-03	17-May-2024	Makrana	Jeevan Kumar	5
19.	SST - 01	10-May-2024	Makrana	Jeevan Kumar	9
20.	SST - 02	13-May-2024	Makrana	Jeevan Kumar	7
21.	SST-03	13-May-2024	Makrana	Jeevan Kumar	8
22.	SST - 04	15-May-2024	Makrana	Jeevan Kumar	5
23.	SST-05	17-May-2024	Makrana	Jeevan Kumar	10
24.	SST-06	17-May-2024	Makrana	Jeevan Kumar	8
25.	SST-07	27-May-2024	Makrana	Jeevan Kumar	0
26.	CWT-01	6-May-2024	Makrana	Jeevan Kumar	4
27.	CWT - 02	11-May-2024	Makrana	Jeevan Kumar	2
28.	CWT -03	17-May-2024	Makrana	Jeevan Kumar	5
29.	Mock Drill - 1	22-May-2024	Makrana	Jeevan Kumar	10
30.	Mock Drill - 2	23-May-2024	Makrana	Jeevan Kumar	8
31.	EHS Alert -01	23-May-2024	Makrana	Jeevan Kumar	7
32.	EHS Alert -02	28-May-2024	Makrana	Jeevan Kumar	8
33.	Induction-01	9-Jul-2024	Makrana	Jeevan Kumar	5
34.	Induction-02	9-Jul-2024	Makrana	Jeevan Kumar	2
35.	Induction-03	9-Jul-2024	Makrana	Jeevan Kumar	4
36.	Induction -04	9-Jul-2024	Makrana	Jeevan Kumar	9
37.	Induction-05	9-Jul-2024	Makrana	Jeevan Kumar	2
38.	SST - 01	8-Jul-2024	Makrana	Jeevan Kumar	6
39.	SST - 02	15-Jul-2024	Makrana	Jeevan Kumar	6
40.	SST-03	17-Jul-2024	Makrana	Jeevan Kumar	6
41.	SST - 04	20-Jul-2024	Makrana	Jeevan Kumar	0
42.	CWT-01	9-Jul-2024	Makrana	Jeevan Kumar	5
43.	CWT-02	16-Jul-2024	Makrana	Jeevan Kumar	2
44.	CWT - 03	18-Jul-2024	Makrana	Jeevan Kumar	4
45.	CWT -04	24-Jul-2024	Makrana	Jeevan Kumar	9
46.	CWT-05	26-Jul-2024	Makrana	Jeevan Kumar	2
47.	Mock Drill - 1	20-Jul-2024	Makrana	Jeevan Kumar	8
48.	Mock Drill - 2	25-Jul-2024	Makrana	Jeevan Kumar	8
49.	EHS Alert -01	25-Jul-2024	Makrana	Jeevan Kumar	7
50.	EHS Alert -02	25-Jul-2024	Makrana	Jeevan Kumar	8
51.	Induction -01	26-Aug-2024	Makrana	Jeevan Kumar	20
52.	CWT - 01	27-Aug-2024	Makrana	Jeevan Kumar	18
53.	SST - 01	28-Aug-2024	Makrana	Jeevan Kumar	7
54.	Induction -02	31-Aug-2024	Makrana	Jeevan Kumar	3
55.	Mock Drill- 01	31-Aug-2024	Makrana	Jeevan Kumar	8
56.	SST - 01	19-Sep-2024	Makrana	Jeevan Kumar	9

S.No.	Training name	Date of Activity	Location	Demonstrators	No. of Participants
57.	SST - 02	26-Sep-2024	Makrana	Jeevan Kumar	8
58.	CWT - 01	14-Sep-2024	Makrana	Jeevan Kumar	9
59.	CWT -02	21-Sep-2024	Makrana	Jeevan Kumar	8
60.	Mock Drill-01	10-Sep-2024	Makrana	Jeevan Kumar	8
61.	Mock Drill-02	27-Sep-2024	Makrana	Jeevan Kumar	10
Mandawa Town					
1.	Work at height safety training	14-04-2024	PHED Campus	Manoj	05
2.	Electrical Safety Training	26-04-2024	STP	Manoj	07
3.	Work at height safety training	10-05-2024	STP	Manoj	06
4.	Electrical Safety Training	29-05-2024	PHED Campus	Manoj	10
5.	Work at height safety training	14-06-2024	STP	Manoj	06
6.	Electrical Safety Training	30-06-2024	SPS	Manoj	08
7.	Material Handling Training	18-07-2024	STP	Manoj	06
8.	Electrical Safety Training	30-07-2024	SPS	Manoj	07
9.	Material Handling Training	14-08-2024	STP	Manoj	07
10.	Electrical Safety Training	28-08-2024	STP	Manoj	08
11.	Material Handling Training	11-09-2024	STP	Manoj	06
12.	Electrical Safety Training	28-09-2024	STP	Manoj	07
Khetri Town					
1.	HIV-AIDS Awareness	06-04-2024	Ward 02	Saurabh Sharma	08
2.	Safety Training	17-04-2024	Ward 12	Raj Kapoor	09
3.	Safety Training	23-04-2024	Ward 09	Raj Kapoor	4
4.	Safety Training	29-04-2024	STP	Raj Kapoor	06
5.	HIV-AIDS Awareness	06-05-2024	Ward 24	Saurabh Sharma	06
6.	Safety Training	15-05-2024	Ward 13	Raj Kapoor	08
7.	Safety Training	23-05-2024	Ward 12	Raj Kapoor	4
8.	Safety Training	28-05-2024	STP	Raj Kapoor	06
9.	HIV-AIDS Awareness	26-06-2024	STP	Yogesh Atray	07
10.	Safety Training	11-06-2024	Ward 11	Raj Kapoor	08
11.	Air Testing	25-06-2024	Ward 25	Raj Kapoor	4
12.	Environment Day	05-06-2024	AEn Campus	Raj Kapoor	10
13.	HIV-AIDS Awareness	25-07-2024	STP	Yogesh Atray	07
14.	Safety Training	15-07-2024	Ward 11	Raj Kapoor	08
15.	Labour Training	23-07-2024	Ward 10	Raj Kapoor	4
16.	Tree Plantations	29-07-2024	JEn campus	Raj Kapoor	10
17.	Tree Plantations	07-08-2024	STP	Yogesh Atray	15
18.	Safety Training	14-08-2024	Ward 02	Raj Kapoor	08
19.	Labour Training	23-08-2024	Ward 03	Raj Kapoor	6
20.	HIV-AIDS Awareness	29-08-2024	Ward 02	Raj Kapoor	7
21.	Labour Awareness	07-09-2024	Ward 03	Yogesh Atray	9
22.	Safety Training	11-09-2024	Ward 11	Raj Kapoor	08
23.	Labour Training	26-09-2024	STP	Raj Kapoor	5
24.	HIV-AIDS Awareness	27-09-2024	STP	Raj Kapoor	6

Directions by PMU to all PIUs for implementation of Prevention and Control Measures Adopted for COVID-19



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No. F3 (301)(72)/RUIDP/PMU/Env/12.686 - 85

Date: 01.02.2021

**Superintending Engineers,
RUIDP, PIU, Ratangarh/ Sirohi/ Kuchaman/ Banswara**

**Executive Engineer
RUIDP, PIU, Mandawa/ Khetri**

Sub: Regarding Safe Operating Procedures (SOP) and COVID-19 Management Plan
In all project towns under RSTDSP (RUIDP Ph-IV)

In reference to above cited subject, Safe Operating Procedures (SOP) and COVID-19 Management Plan is prepared in response to coronavirus disease (COVID-19) pandemic and being sent to PIU. You are requested to share this plan with contractors and properly monitor the implementation of the provisions of this plan at all work sites, offices and worker's camps.

**(Dr Hemant Kumar Sharma)
Addl Project Director**

No. F3 (301)(72)/RUIDP/PMU/Env/12.686 - 99

Date: 01.02.2021

Copy to following for information and take immediate necessary action-

1. Additional Chief Engineer, RUIDP, Zone-Jaipur/ Jodhpur.
2. Executive Engineer, PIU, Fatehpur/ Laxmangarh/ Ratangarh/ Sardarshahar/ Makrana/ Kuchamang/ Ladnu/ Didwana/ Abu Road/ Sirohi/ Banswara/ Pratapgarh.
3. Team Leader, PMCBC, Jaipur
4. Team Leader, CMSC-1, Zone-Jaipur/ CMSC-2, Zone-Jodhpur

**(Praveen Ankodia)
Superintending Engineer-III**

**Appendix 10: Prevention and Control Measures Adopted in RSTDSP for COVID-19
COVID-19 (Awareness, Prevention and Control) Compliance by Towns
during April 2024 to September 2024**

S. No.	Activities done	Date	Location	No. of Participants
Abu Road				
1.	Thermal screening of workers at the site	Daily	Manpur, Santpur & Workmen camp	75
2.	Hand Sanitization activity of workers at the site	Daily	Abu Road	75
3.	Mask Distribution	Regularly	Abu Road	80+
4.	Office & Labor Camp Disinfection Activity	24.04.2024 & 25.04.2024	Manpur, Santpur & Office	-
5.	COVID-19 Awareness & Precautions Training for workmen and staff	01.04.2024 to 30.04.2024	Manpur	25
6.	Display of Signage for Covid-19 Awareness	Daily	All prominent locations	
7.	Health Check-up Camp	01.04.2024 to 30.04.2024	Manpur	35
8.	Site medical visit	01.04.2024 to 30.04.2024	All working site locations	40
9.	Thermal screening of workers at the site	Daily	Manpur & Santpur Workmen camp	80
10.	Hand Sanitization activity of workers at the site	Daily	Abu Road	80
11.	Mask Distribution	Regularly	Abu Road	100+
12.	Office & Labor Camp Disinfection Activity	25.05.2024 & 24.05.2024	Manpur, Santpur & Office	NA
13.	COVID-19 Awareness & Precautions Training for workmen and staff	01.05.2024 to 30.05.2024	Manpur	40
14.	Display of Signage for Covid-19 Awareness	Daily	All prominent locations	
15.	Health Check-up Camp	01.05.2024 to 30.05.2024	Manpur	45
16.	Site medical visit	01.05.2024 to 30.05.2024	All working site locations	40
17.	Thermal screening of workers at the site	Daily	Manpur&Santpur Workmen camp	80
18.	Hand Sanitization activity of workers at the site	Daily	Abu Road	80
19.	Mask Distribution	Regularly	Abu Road	100+
20.	Office & Labor Camp Disinfection Activity	25.06.2024&24.06.2024	Manpur, Santpur& Office	NA
21.	COVID-19 Awareness & Precautions Training for workmen and staff	01.06.2024 to 30.06.2024	Manpur	35
22.	Display of Signage for Covid-19 Awareness	Daily	All prominent locations	
23.	Health Check-up Camp	01.06.2024 to 30.06.2024	Manpur	45
24.	Site medical visit	01.06.2024 to 30.06.2024	All working site locations	40
25.	Thermal screening of workers at the site	Daily	Manpur&Santpur Workmen camp	80

S. No.	Activities done	Date	Location	No. of Participants
26.	Hand Sanitization activity of workers at the site	Daily	Abu Road	80
27.	Mask Distribution	Regularly	Abu Road	100+
28.	Office & Labor Camp Disinfection Activity	15.07.2024&30.07.2024	Manpur, Santpur& Office	NA
29.	COVID-19 Awareness & Precautions Training for workmen and staff	01.07.2024 to 31.07.2024	Manpur	40
30.	Display of Signage for Covid-19 Awareness	Daily	All prominent locations	
31.	Health Check-up Camp	01.07.2024 to 31.07.2024	Manpur	40
32.	Site medical visit	01.07.2024 to 31.07.2024	All working site locations	40
33.	Thermal screening of workers at the site	Daily	Manpur & Santpur Workmen camp	40
34.	Hand Sanitization activity of workers at the site	Daily	Abu Road	40
35.	Mask Distribution	Regularly	Abu Road	40+
36.	Office & Labor Camp Disinfection Activity	15.08.2024&30.08.2024	Manpur, Santpur& Office	NA
37.	COVID-19 Awareness & Precautions Training for workmen and staff	01.08.2024 to 31.08.2024	Manpur	35
38.	Display of Signage for Covid-19 Awareness	Daily	All prominent locations	
39.	Health Check-up Camp	01.08.2024 to 31.08.2024	Manpur	25
40.	Site medical visit	01.08.2024 to 31.08.2024	All working site locations	20
41.	Thermal screening of workers at the site	Daily	Manpur, Santpur Workmen camp	55
42.	Hand Sanitization activity of workers at the site	Daily	Abu Road	55
43.	Mask Distribution	Regularly	Abu Road	65+
44.	Office & Labor Camp Disinfection Activity	17.09.2024&30.09.2024	Manpur, Santpur& Office	NA
45.	COVID-19 Awareness & Precautions Training for workmen and staff	01.09.2024 to 30.09.2024	Manpur	40
46.	Display of Signage for Covid-19 Awareness	Daily	All prominent locations	
47.	Health Check-up Camp	01.09.2024 to 30.09.2024	Manpur	35
48.	Site medical visit	01.09.2024 to 30.09.2024	All working site locations	20
Sirohi				
1.	Thermal screening of workers at the site	Daily	Sirohi	105
2.	Hand Sanitization activity of workers at the site	Whole Month	Sirohi	07
3.	Mask Distribution	03/04/24	Sirohi	40
4.	Office & Labor Camp Disinfection Activity	06/04/24	Sirohi	03
5.	COVID-19 Awareness & Precautions Training for workmen and staff	08/04/24	Sirohi	50

S. No.	Activities done	Date	Location	No. of Participants
6.	Display of Signage for Covid-19 Awareness	09/04/24	Sirohi	8
7.	Site medical visit	8	Sirohi	67
8.	Thermal screening of workers at the site	Daily	Sirohi	130
9.	Hand Sanitization activity of workers at the site	Whole Month	Sirohi	07
10.	Mask Distribution	02/05/24	Sirohi	70
11.	Office & Labor Camp Disinfection Activity	04/05/24	Sirohi	04
12.	COVID-19 Awareness & Precautions Training for workmen and staff	10/05/24	Sirohi	82
13.	Display of Signage for Covid-19 Awareness	02/05/24	Sirohi	8
14.	Site medical visit	8	Sirohi	89
15.	Thermal screening of workers at the site	Daily	Sirohi	110
16.	Hand Sanitization activity of workers at the site	Whole Month	Sirohi	04
17.	Mask Distribution	03/06/24	Sirohi	30
18.	Office & Labor Camp Disinfection Activity	04/06/24	Sirohi	04
19.	COVID-19 Awareness & Precautions Training for workmen and staff	09/06/24	Sirohi	46
20.	Display of Signage for Covid-19 Awareness	01/06/24	Sirohi	4
21.	Site medical visit	4	Sirohi	79
22.	Thermal screening of workers at the site	Daily	Sirohi	110
23.	Hand Sanitization activity of workers at the site	Whole Month	Sirohi	04
24.	Mask Distribution	03/06/24	Sirohi	25
25.	Office & Labor Camp Disinfection Activity	04/06/24	Sirohi	04
26.	COVID-19 Awareness & Precautions Training for workmen and staff	09/06/24	Sirohi	35
27.	Display of Signage for Covid-19 Awareness	01/06/24	Sirohi	3
28.	Site medical visit	4	Sirohi	75
29.	Thermal screening of workers at the site	Daily	All Site	70
30.	Hand Sanitization activity of workers at the site	Daily	All Site	04
31.	Mask Distribution	05/08/24	All Site	25
32.	Office & Labor Camp Disinfection Activity	06/08/24	All Site	04
33.	COVID-19 Awareness & Precautions Training for workmen and staff	11/08/24	All Site	35
34.	Display of Signage for Covid-19 Awareness	01/08/24	All Site	3
35.	Health Check-up Camp	Twice week	All Site	58
36.	Site medical visit	Twice week	All Site	58
37.	Thermal screening of workers at the site	Daily	Sirohi	65
38.	Hand Sanitization activity of workers at the site	Whole Month	Sirohi	05
39.	Mask Distribution	05/09/24	Sirohi	30

S. No.	Activities done	Date	Location	No. of Participants
40.	Office & Labor Camp Disinfection Activity	06/09/24	Sirohi	05
41.	COVID-19 Awareness & Precautions Training for workmen and staff	11/09/24	Sirohi	40
42.	Display of Signage for Covid-19 Awareness	01/09/24	Sirohi	3
43.	Health Check-up Camp	Twice a week	Sirohi	60
44.	Site medical visit	Twice a week	Sirohi	60
Fatehpur				
1.	Office & Labor Camp Disinfection Activity	Weekly	Office & Labour Camp	0
2.	COVID-19 Awareness & Precautions Training for workmen and staff	13/04/2024	zone-1,2,	0
3.	Display of Signage for Covid-19 Awareness	13/04/2024	Zone-Office, wc,S1,2,	0
4.	Health Check-up Camp	Weekly	STP	-
5.	Site medical visit	Weekly	STP And Site	-
Ratangarh				
1.	Office & Labor Camp Disinfection Activity	30/04/2024	Workmen camp & store	2
2.	COVID-19 Awareness & Precautions Training for workmen and staff	30/04/2024	STP 6.1 MLD	10
3.	Display of Signage for Covid-19 Awareness	30/04/2024	Workmen camp	5
4.	Health Check-up Camp	12/04/2024	STP 6.1 MLD	10
5.	Office & Labor Camp Disinfection Activity	31/05/2024	Workmen camp & store	2
6.	COVID-19 Awareness & Precautions Training for workmen and staff	28/05/2024	STP 6.1 MLD	15
7.	Display of Signage for Covid-19 Awareness	-	-	-
8.	Health Check-up Camp	30/05/2024	STP 6.1 MLD	15
9.	Office & Labor Camp Disinfection Activity	29/06/2024	Workmen camp & store	2
10.	COVID-19 Awareness & Precautions Training for workmen and staff	29/06/2024	Zone 4	10
11.	Health Check-up Camp	18/06/2024	Workmen camp	15
12.	COVID-19 Awareness & Precautions Training for workmen and staff	27/07/2024	Zone 3	10
13.	Health Check-up Camp	31/07/2024	Workmen camp	15
14.	Office & Labor Camp Disinfection Activity	21/08/2024	Workmen camp & store	1
15.	COVID-19 Awareness & Precautions Training for workmen and staff	27/08/2024	STP 6.1 MLD	15
16.	Health Check-up Camp	-		15
17.	Site medical visit	27/08/2024	STP 6.1 MLD	-
18.	Office & Labor Camp Disinfection Activity	10/09/2024	Workmen camp & store	1
19.	COVID-19 Awareness & Precautions Training for workmen and staff	28/09/2024	STP 6.1 MLD	10

S. No.	Activities done	Date	Location	No. of Participants
20.	Display of Signage for Covid-19 Awareness	-	-	-
21.	Health Check-up Camp	11/09/2024	Workmen camp	10
Sardarshahar				
1.	Thermal screening of workers at the site	Daily	Sardarshahar	150
2.	Hand Sanitization activity of workers at the site	Daily	Sardarshahar	150
3.	Mask Distribution	As Required	Sardarshahar	150
4.	Office & Labor Camp Disinfection Activity	10 days in month	Sardarshahar	01
5.	COVID-19 Awareness & Precautions Training for workmen and staff	As Required	Sardarshahar	150
6.	Display of Signage for Covid-19 Awareness	As Required	Sardarshahar	150
7.	Health Check-up Camp	08 times in month	Sardarshahar	150
8.	Site medical visit	08 times in month	Sardarshahar	08
9.	Thermal screening of workers at the site	Daily	Sardarshahar	150
10.	Hand Sanitization activity of workers at the site	Daily	Sardarshahar	150
11.	Mask Distribution	As Required	Sardarshahar	300
12.	Office & Labor Camp Disinfection Activity	10 days in month	Sardarshahar	01
13.	COVID-19 Awareness & Precautions Training for workmen and staff	As Required	Sardarshahar	150
14.	Display of Signage for Covid-19 Awareness	As Required	Sardarshahar	150
15.	Health Check-up Camp	08 times in month	Sardarshahar	150
16.	Site medical visit	08 times in month	Sardarshahar	08
17.	Thermal screening of workers at the site	Daily	Sardarshahar	200
18.	Hand Sanitization activity of workers at the site	Daily	Sardarshahar	200
19.	Mask Distribution	As Required	Sardarshahar	200
20.	Office & Labor Camp Disinfection Activity	10 days in month	Sardarshahar	10
21.	COVID-19 Awareness & Precautions Training for workmen and staff	As Required	Sardarshahar	200
22.	Display of Signage for Covid-19 Awareness	As Required	Sardarshahar	-
23.	Health Check-up Camp	08 times in month	Sardarshahar	200
24.	Site medical visit	08 times in month	Sardarshahar	200
25.	Thermal screening of workers at the site	Daily	Sardarshahar	209
26.	Hand Sanitization activity of workers at the site	Daily	Sardarshahar	209
27.	Mask Distribution	As Required	Sardarshahar	209
28.	Office & Labor Camp Disinfection Activity	10 days in month	Sardarshahar	10
29.	COVID-19 Awareness & Precautions Training for workmen and staff	As Required	Sardarshahar	209
30.	Display of Signage for Covid-19 Awareness	As Required	Sardarshahar	-
31.	Health Check-up Camp	08 times in month	Sardarshahar	209
32.	Site medical visit	08 times in month	Sardarshahar	209

S. No.	Activities done	Date	Location	No. of Participants
33.	Thermal screening of workers at the site	Daily	Sardarshahar	103
34.	Hand Sanitization activity of workers at the site	Daily	Sardarshahar	103
35.	Mask Distribution	As Required	Sardarshahar	103
36.	Office & Labor Camp Disinfection Activity	10 days in month	Sardarshahar	10
37.	COVID-19 Awareness & Precautions Training for workmen and staff	As Required	Sardarshahar	103
38.	Display of Signage for Covid-19 Awareness	As Required	Sardarshahar	-
39.	Health Check-up Camp	08 times in month	Sardarshahar	103
40.	Site medical visit	08 times in month	Sardarshahar	103
41.	Thermal screening of workers at the site	Daily	Sardarshahar	126
42.	Hand Sanitization activity of workers at the site	Daily	Sardarshahar	126
43.	Mask Distribution	As Required	Sardarshahar	126
44.	Office & Labor Camp Disinfection Activity	10 days in month	Sardarshahar	10
45.	COVID-19 Awareness & Precautions Training for workmen and staff	As Required	Sardarshahar	126
46.	Display of Signage for Covid-19 Awareness	As Required	Sardarshahar	-
47.	Health Check-up Camp	08 times in month	Sardarshahar	126
48.	Site medical visit	08 times in month	Sardarshahar	126
Banswara				
1.	Thermal screening of workers at the site	Regularly	All Site	5-10
2.	Hand Sanitization activity of workers at the site	Regularly	All Site	All workers
3.	Mask Distribution	Fortnightly	All Site	All workers
4.	Office & Labor Camp Disinfection Activity	Weekly	Labour camp	All workers
5.	COVID-19 Awareness & Precautions Training for workmen and staff	Regularly	STP	All workers
6.	Display of Signage for Covid-19 Awareness	Permanent	STP, WTP	-
7.	Thermal screening of workers at the site	Regularly	At working site	34
8.	Hand Sanitization activity of workers at the site	daily	All site	11
9.	Mask Distribution	Fortnightly	All site	23
10.	Office & Labor Camp Disinfection Activity	Weekly	All site	12
11.	COVID-19 Awareness & Precautions Training for workmen and staff	Regularly	All site	20
12.	Display of Signage for Covid-19 Awareness	Permanent	All site	16
13.	Thermal screening of workers at the site	Regularly	At working site	25
14.	Hand Sanitization activity of workers at the site	daily	All site	All worker
15.	Mask Distribution	Fortnightly	All site	All worker
16.	Office & Labor Camp Disinfection Activity	weekly	All site	---

S. No.	Activities done	Date	Location	No. of Participants
17.	COVID-19 Awareness & Precautions Training for workmen and staff	Regularly	All site	23
18.	Display of Signage for Covid-19 Awareness	Permanent	All site	-----
Kuchaman				
1.	Health Check-up Camp	06.04.2024	Kuchaman	16
2.	Health Check-up Camp	09.04.2024	Kuchaman	19
3.	Health Check-up Camp	17.04.2024	Kuchaman	15
4.	Health Check-up Camp	12.04.2024	Kuchaman	20
5.	Health Check-up Camp	20.04.2024	Kuchaman	14
6.	Health Check-up Camp	22.04.2024	Kuchaman	15
7.	Health Check-up Camp	23.04.2024	Kuchaman	20
8.	Health Check-up Camp	24.04.2024	Kuchaman	17
9.	Health Check-up Camp	25.04.2024	Kuchaman	14
10.	Health Check-up Camp	26.04.2024	Kuchaman	16
11.	Mask Distribution	April 2024	Kuchaman	Maximum
12.	Sanitization for office, workmen camps, guest houses and sites	April 2024	Kuchaman	Maximum
13.	Awareness Training Program for workmen and staff	April 2024	Training center camp & Office	175
14.	Display of Signage for Covid-19 Awareness	April 2024	All site areas	Maximum
15.	Separate Isolation facilities for workmen and staffs	April 2024	Workmen camps	N/A
16.	Health Check-up Camp	07.05.2024	Kuchaman	10
17.	Health Check-up Camp	08.05.2024	Kuchaman	15
18.	Health Check-up Camp	09.05.2024	Kuchaman	22
19.	Health Check-up Camp	11.05.2024	Kuchaman	19
20.	Health Check-up Camp	15.05.2024	Kuchaman	25
21.	Health Check-up Camp	16.05.2024	Kuchaman	14
22.	Health Check-up Camp	17.05.2024	Kuchaman	12
23.	Health Check-up Camp	20.05.2024	Kuchaman	15
24.	Health Check-up Camp	21.05.2024	Kuchaman	17
25.	Health Check-up Camp	23.05.2024	Kuchaman	13
26.	Health Check-up Camp	27.05.2024	Kuchaman	15
27.	Mask Distribution	May 2024	Kuchaman	Maximum
28.	Sanitization for office, workmen camps, guest houses and sites	May 2024	Kuchaman	Maximum
29.	Awareness Training Program for workmen and staff	May 2024	Training center camp & Office	178
30.	Display of Signage for Covid-19 Awareness	May 2024	All site areas	Maximum
31.	Separate Isolation facilities for workmen and staffs	May 2024	Workmen camps	N/A
32.	Health Check-up Camp	07.06.2024	Kuchaman	10
33.	Health Check-up Camp	11.06.2024	Kuchaman	15
34.	Health Check-up Camp	12.06.2024	Kuchaman	20
35.	Health Check-up Camp	15.06.2024	Kuchaman	15
36.	Health Check-up Camp	19.06.2024	Kuchaman	18
37.	Health Check-up Camp	22.06.2024	Kuchaman	12
38.	Health Check-up Camp	24.06.2024	Kuchaman	13
39.	Health Check-up Camp	25.06.2024	Kuchaman	12

S. No.	Activities done	Date	Location	No. of Participants
40.	Health Check-up Camp	27.06.2024	Kuchaman	25
41.	Health Check-up Camp	29.06.2024	Kuchaman	15
42.	Mask Distribution	June 2024	Kuchaman	Maximum
43.	Sanitization for office, workmen camps, guest houses and sites	June 2024	Kuchaman	Maximum
44.	Awareness Training Program for workmen and staff	June 2024	Training center camp & Office	176
45.	Display of Signage for Covid-19 Awareness	June 2024	All site areas	Maximum
46.	Separate Isolation facilities for workmen and staffs	June 2024	Workmen camps	N/A
47.	Health Check-up Camp	01.07.2024	Kuchaman	11
48.	Health Check-up Camp	06.07.2024	Kuchaman	16
49.	Health Check-up Camp	08.07.2024	Kuchaman	13
50.	Health Check-up Camp	10.07.2024	Kuchaman	18
51.	Health Check-up Camp	13.07.2024	Kuchaman	15
52.	Health Check-up Camp	17.07.2024	Kuchaman	09
53.	Health Check-up Camp	18.07.2024	Kuchaman	14
54.	Health Check-up Camp	20.07.2024	Kuchaman	20
55.	Health Check-up Camp	22.07.2024	Kuchaman	11
56.	Health Check-up Camp	27.07.2024	Kuchaman	18
57.	Mask Distribution	July 2024	Kuchaman	Maximum
58.	Sanitization for office, workmen camps, guest houses and sites	July 2024	Kuchaman	Maximum
59.	Awareness Training Program for workmen and staff	July 2024	Training center camp & Office	180
60.	Display of Signage for Covid-19 Awareness	July 2024	All site areas	Maximum
61.	Separate Isolation facilities for workmen and staffs	July 2024	Workmen camps	N/A
62.	Health Check-up Camp	05.08.2024	Kuchaman	10
63.	Health Check-up Camp	08.08.2024	Kuchaman	13
64.	Health Check-up Camp	10.08.2024	Kuchaman	09
65.	Health Check-up Camp	13.08.2024	Kuchaman	12
66.	Health Check-up Camp	17.08.2024	Kuchaman	08
67.	Health Check-up Camp	22.08.2024	Kuchaman	12
68.	Health Check-up Camp	22.08.2024	Kuchaman	11
69.	Health Check-up Camp	24.08.2024	Kuchaman	07
70.	Health Check-up Camp	26.08.2024	Kuchaman	18
71.	Health Check-up Camp	27.08.2024	Kuchaman	10
72.	Mask Distribution	August 2024	Kuchaman	Maximum
73.	Sanitization for office, workmen camps, guest houses and sites	August 2024	Kuchaman	Maximum
74.	Awareness Training Program for workmen and staff	August 2024	Training centre camp & Office	185
75.	Display of Signage for Covid-19 Awareness	August 2024	All site areas	Maximum
76.	Separate Isolation facilities for workmen and staffs	August 2024	Workmen camps	N/A
77.	Health Check-up Camp	04.09.2024	Kuchaman	09
78.	Health Check-up Camp	07.09.2024	Kuchaman	14
79.	Health Check-up Camp	09.09.2024	Kuchaman	15

S. No.	Activities done	Date	Location	No. of Participants
80.	Health Check-up Camp	10.09.2024	Kuchaman	15
81.	Health Check-up Camp	19.09.2024	Kuchaman	18
82.	Health Check-up Camp	21.09.2024	Kuchaman	13
83.	Health Check-up Camp	23.09.2024	Kuchaman	21
84.	Health Check-up Camp	24.09.2024	Kuchaman	15
85.	Health Check-up Camp	27.09.2024	Kuchaman	15
86.	Mask Distribution	September 2024	Kuchaman	Maximum
87.	Sanitization for office, workmen camps, guest houses and sites	September 2024	Kuchaman	Maximum
88.	Awareness Training Program for workmen and staff	September 2024	Training centre camp & Office	188
89.	Display of Signage for Covid-19 Awareness	September 2024	All site areas	Maximum
90.	Separate Isolation facilities for workmen and staffs	September 2024	Workmen camps	N/A
Mandawa				
1.	Mask Distribution	On Daily Basis	All locations	All Staffs
2.	Thermal screening at the site	On Daily Basis	All locations	All Staffs
3.	Sanitization activity at the site	On Daily Basis	All locations	All Staffs
4.	Dis-infection Activity at the site	On Daily Basis	All locations	-
Khetri				
1.	Mask Distribution	On Daily Basis	All Zones	All Staffs
2.	Thermal screening at the site	On Daily Basis	All locations	All Staffs
3.	Sanitization activity at the site	On Daily Basis	All locations	All Staffs
4.	Dis-infection Activity at the site	On Daily Basis	All locations	-
Didwana				
1.	Mask Distribution	On Daily Basis	All Zones	All Staffs
2.	Thermal screening at the site	On Daily Basis	All Zones	All Staffs
3.	Sanitization activity at the site	On Daily Basis	All Zones	All Staffs
4.	Dis-infection Activity at the site	On Daily Basis	All Zones	-
Makrana				
1.	Mask Distribution	On Daily Basis	All Zones	All Staffs
2.	Thermal screening at the site	On Daily Basis	All Zones	All Staffs
3.	Sanitization activity at the site	On Daily Basis	All Zones	All Staffs
4.	Dis-infection Activity at the site	On Daily Basis	All Zones	-
Ladnu				
1.	Mask Distribution	On Daily Basis	All Zones	All Staffs
2.	Thermal screening at the site	On Daily Basis	All Zones	All Staffs
3.	Sanitization activity at the site	On Daily Basis	All Zones	All Staffs
4.	Dis-infection Activity at the site	On Daily Basis	All Zones	-

**Photographs showing COVID-19 (Awareness, Prevention and Control)
Compliance by Towns during April 2024 to September 2024**

	
Thermal Screening of workers at site (Abu Road)	Medical Health Check-up of site workers (Abu Road)
	
Disinfection Activity at site (Abu Road)	Labor Meeting about Awareness & Safety of covid-19 (Abu Road)
	
Hand Sanitization activity to workers at site (Sirohi)	Face Mask distribution to workers at site (Sirohi)
	
Labor Meeting about Awareness & Safety of covid-19 (Sirohi)	Medical Health Checkup of site workers (Sirohi)

	
Face mask distribution to workers at site (Banswara)	Hand Sanitization activity to workers at site (Banswara)
	
Thermal Screening of workers at site (Sardarshahar)	Medical Health Checkup of site workers (Sardarshahar)
	
Disinfection activity at work site (Ratangarh)	Medical Health Check-up of site workers (Ratangarh)
	
Glucose Distribution to Site Workers (Ratangarh)	Labor Meeting about Awareness & Safety of covid-19 (Ratangarh)

Hand Sanitization of workers and Disinfection activity at work site (Kuchaman)		Medical Health Check-up and Labor Meeting about Awareness & Safety of covid-19 of site workers (Kuchaman)	
Thermal Screening & Hand Sanitization activity at site (Khetri)		Face mask distribution to workers at site (Khetri)	
Thermal Screening activity at site (Mandawa)		Hand Sanitization activity at site (Mandawa)	
Medical Health Check-up of site workers (Ladnu)		Medical Health Check-up of site workers (Makrana)	

**Photographs showing COVID-19 (Awareness, Prevention and Control)
Compliance by FSTP Towns during April 2024 to September 2024**

Hand Sanitization activity of workers at site (Shahpura – Bhilwara)	Face Mask Distribution to workers at site (Shahpura – Bhilwara)
Hand Sanitization activity of workers at site (Pilibanga)	Face Mask Distribution to workers at site (Pilibanga)
Labor Meeting about Awareness & Safety of covid-19 (Jobner)	Thermal Screening activity at site (Jobner)



**Hand Sanitization activities of workers at site
(Neem Ka Thana)**



**Labor Meeting about Awareness & Safety of
covid-19 (Bari)**



**Labor Meeting about Awareness & Safety of
covid-19 (Deeg)**



**Hand Sanitization activities of workers at site
(Bandi Kui)**

Appendix 11: ENVIRONMENTAL MONITORING RESULTS DURING APRIL 2024 TO SEPTEMBER 2024 IN RSTDSP

Ambient Air Quality Standards (National and IFC Standards)					
Standards	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (µg/m ³)
National Ambient Air Quality Standards	60 (Annual) 100 (24-hr)	40 (Annual) 60 (24-hr)	50 (Annual) 80 (24-hr)	40 (Annual) 80 (24-hr)	2,000 (8-hr) 4,000 (1-hr)
IFC Standards Applicable as Per ADB SPS (µg/m ³)	20 (Annual) 50 (24-hr)	10 (Annual) 25 (24-hr)	50 (Annual) 20 (24-hr) 500 (10-min)	40 (Annual) 80 (24-hr) 200 (1-hr)	2,000 (8-hr) 4,000 (1-hr) 100,000 (15-min)

Air Monitoring Results

S.No.	Package / Town / Monitoring Location	Monitoring date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (µg/m ³)
1.	RSTDIP/SRD/01						
	Sardarshahar Town						
	STP – 1, (2.3 MLD) South Campus	05.04.2024 to 07.04.2024	68.23	28.84	10.35	16.10	0.66
	STP- 2 (3.4 MLD) North Campus		67.51	27.67	10.30	17.57	0.66
	PHED Campus CWR 2400 KL		71.20	29.34	11.67	20.51	0.69
	Zone – 1 (BT Road Work)		67.24	28.97	10.57	16.34	0.67
	1.6 MLD STP		67.47	28.94	9.54	17.34	0.64
	Zone – 4, (7A)		65.10	26.59	9.69	15.57	0.62
2.	RSTDIP/BNS/04						
	Banswara Town						
	STP Site	15.04.2024 to 17.04.2024	55.2	28.5	13.8	21.1	0.38
	WTP AEn PHED Campus		64.1	36.5	14.2	19.2	0.39
	SPS @ Nathelav Pond		55.1	23.7	14.2	20.5	0.34
	Kagdi Site		57.6	24.1	14.3	18.5	0.30
	Pratapgarh		51.2	24.3	20.7	26.1	0.37
	Mohan Circle		70.3	34.7	22.1	30.5	0.58
3.	RSTDIP/SHR-ABR/01						
	Abu Road Town						
	Market Network Area	06.05.2024 to 07.05.2024	63.58	31.54	10.51	16.10	0.65
	Manpur Workmen Camp		66.84	32.51	10.31	14.10	0.64
	Near STP & WTP Santpur		66.84	32.52	10.20	15.64	0.66
	CWR Luniapura		65.88	30.58	8.67	12.10	0.58
4.	RSTDIP/SHR-ABR/01						
	Sirohi Town						
	Intake Well Site	07.05.2024 to 08.05.2024	68.13	32.55	11.37	18.11	0.61
	Near Workmen Camp/STP 5.0 MLD		68.52	28.63	9.32	16.87	0.57
	1.7 MLD STP	64.59	31.50	12.36	19.10	0.65	
	CRMC Building	69.76	30.52	11.20	18.34	0.64	
5.	RSTDIP/MDW/03						
	Mandawa Town						
	SPS Site	10.06.2024 to 12.06.2024	66.18	25.04	7.72	12.73	0.64
	CWR PHED Site		68.95	26.86	8.30	14.48	0.67
	STP Site	71.22	26.38	10.27	14.22	0.79	
	Pipe Laying Site	63.37	24.17	9.61	13.79	0.71	
6.	RSTDIP/KMN/02						
	Kuchaman Town						
	7.6 MLD STP		84.8	41.2	7.2	24.0	0.48

	RUIDP Office Near SK Academy	12.06.2024	77.5	38.1	7.4	20.0	0.40
	SPS – 1 Site	to	64.5	36.8	7.0	18.0	0.38
	600 KL Site	15.06.2024	74.2	40.9	8.0	19.0	0.32
	L&T Labour Colony		76.3	40.0	8.2	23.0	0.36
	Networking Site 01		70.1	38.1	8.1	26.0	0.42
	Networking Site 02		72.1	39.0	7.4	22.0	0.46
7.	RSTDIP/LDN-DID-MKN/01						
	Ladnu Town						
	STP – 1 (5.5 MLD) Asota Village	15.06.2024	79.24	40.58	11.95	21.47	0.56
	STP – 2 (2.4 MLD) Chipoli	to	77.81	39.64	11.71	22.10	0.51
	Pipe Laying Site Near Sensitive Area (Gaurav Path, L&T Office)	16.06.2024	72.34	32.48	10.24	18.94	0.58
8.	RSTDIP/RTG-FTP-LXG/01						
	Ratargarh Town						
	STP 3.8 MLD	15.06.2024	75.36	36.41	8.61	22.32	0.58
	STP 6.1 MLD	to	72.41	28.33	7.85	18.11	0.52
	SPS 3.8 MLD	17.06.2024	60.78	21.42	7.12	14.36	0.52
	SPS 4.6 MLD		73.85	30.52	8.78	16.96	0.56
	Labour Camp		63.52	23.78	6.78	15.63	0.45
9.	RSTDIP/LDN-DID-MKN/01						
	Didwana Town						
	STP 3 MLD Site (Mela Maidan	17.06.2024	78.51	37.86	10.94	20.38	0.54
	SPS 1.3 MLD Site (Chhoti Devi School)		78.44	38.56	11.72	21.04	0.53
	SPS 1.7 MLD (Salt Road)		74.28	34.72	8.14	18.06	0.49
	Pipe Laying Site Near Sensitive Area (Store Room Kalwani)		77.58	38.21	11.47	20.51	0.59
10.	RSTDIP / RTG-FTP-LXG / 01						
	Fatehpur Town						
	STP 1.1 MLD (Railway Crossing Puliya)	17.06.2024	73.22	33.41	7.63	20.78	0.48
	STP 4.3 MLD At Naribari Road	to	69.11	26.46	7.85	15.36	0.52
	SPS 3.5 MLD At Behind Dholi Sati Temple	19.06.2024	68.18	26.33	7.66	14.22	0.51
	SPS 0.6 MLD (AXG Maszid)		75.17	34.63	9.12	20.45	0.58
	Workmen Camp Churu Puliya Bypass		72.11	29.36	8.63	15.36	0.55
11.	RSTDIP/LDN-DID-MKN/01						
	Makrana Town						
	STP 7.7 MLD Site (Calananda)	18.06.2024	80.69	41.89	11.71	21.34	0.57
	SPS 2.1 MLD Site (Matavar Zone 8)		73.26	34.82	8.10	19.57	0.47
	SPS 2.3 MLD (Jhalatalav Zone 5)		72.14	32.66	8.20	18.19	0.42
	Pipe Laying Site Near Sensitive Area (L&T Workmen Camp & Store nearby Gurjar Colony)		76.58	35.47	11.89	20.31	0.59
12.	RSTDIP/PRT/01						
	Pratapgarh Town						
	Near STP Main gate	19.06.2024	81.76	38.85	8.03	26.06	0.71
	Near Sewage Pump House Station	to	83.10	39.94	8.33	27.52	0.73
	Near CRMC 1	20.06.2024	72.56	29.75	7.90	26.69	0.67
13.	RSTDIP/KTR/03						
	Khetri Town						
	STP Construction Site	24.06.2024	88.26	39.46	7.12	16.32	0.31
	Construction Site JEn Campus	to	85.34	36.42	6.99	15.24	0.30
	Construction Site AEn Campus	25.06.2024	86.44	42.52	8.96	18.94	0.34
	Construction Site Govt Jay Singh School		93.24	45.20	9.10	20.14	0.34
	Construction Site of Special Mohalla		84.36	37.88	8.78	14.36	0.32

Ambient air quality monitoring Results – FSTP Towns

S.No.	Package / Town / Monitoring Location	Monitoring date	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
RSTDSP / NKT –SHR – BAN –JOB / 01							
1.	FSTP Site, Bandi Kui	19.06.2024 to 20.06.2024	75.10	39.42	11.5	17.7	0.45
2.	FSTP Site Jobner	22.06.2024 to 23.06.2024	71.20	43.68	12.3	21.6	0.51
3.	FSTP Site Neem Ka Thana	25.06.2024 to 26.06.2024	76.82	43.40	22.7	15.0	0.49
RSTDSP / FSTP 9 TOWNS/03							
1	FSTP Site Bari	29.06.2024 to 30.06.2024	69.91	27.80	9.86	14.10	0.58
2	FSTP Site Deeg	29.06.2024 to 30.06.2024	65.49	23.28	7.61	11.0	0.61
3	FSTP Site Dausa	28.06.2024 to 29.06.2024	64.22	24.27	7.86	12.10	0.57
4	FSTP Site Tijara	30.06.2024	63.27	24.0	9.75	15.02	0.66
5	FSTP Site Bhawani Mandi	23.06.2024 to 24.06.2024	68.81	25.35	7.56	13.05	0.51
6	FSTP Site Bhinder-Kanode	25.06.2024 to 26.06.2024	71.24	31.09	7.83	14.64	0.70
7	FSTP Site Shahpura	26.06.2024 to 27.06.2024	70.47	29.13	8.16	13.17	0.69
8	FSTP Site Gangapur	26.06.2024 to 27.06.2024	78.08	32.0	7.15	13.11	0.67
9	FSTP Site Pilibanga-Suratgarh	26.06.2024 to 27.06.2024	66.36	25.71	7.66	10.53	0.52

Note: No Quarterly Environmental Monitoring conducted in Shahpura – Jaipur (FSTP Town) due to land issue.

Noise Monitoring Results –

Noise Standard (National)	Type of area	Noise Level Leq (dB(A))	
		Day time	Night time
Applicable Per ADB SPS (IFC's limits for Noise Level)	Industrial Area	75	70
	Commercial/ Mixed Area	65	55
	Residential/ Rural	55	45
	Sensitive area	50	40
	Residential/ institutional/ educational	55 dB(A)	45 dB(A)

Noise Monitoring results

S.No.	Package / Town / Monitoring Location	Monitoring date	Noise Level Leq (dB(A))	
			Day time	Night time
1	RSTDIP/SRD/01			
	Sardarshahar Town			
	STP – 1, (2.3 MLD) South Campus	05.04.2024 to 07.04.2024	50.88	42.10
	STP- 2 (3.4 MLD) North Campus		51.20	40.25
	PHED Campus CWR 2400 KL		51.67	41.88
	Zone – 1 (BT Road Work)		52.88	40.53
	1.6 MLD STP		52.67	42.98
	Zone – 4, (7A)		53.57	41.97
2	RSTDIP/BNS/04			
	Banswara Town			
	STP Site	15.04.2024 to 17.04.2024	61.0	50.0
	WTP AEn PHED Campus		64.0	54.0
	SPS @ Nathelav Pond		56.0	52.0
	Kagdi Site		58.0	47.0
	Pratapgarh		60.0	51.0
	Mohan Circle		69.0	63.0
3	RSTDIP/SHR-ABR/01			
	Abu Road Town			
	Market Network Area	06.05.2024 to 07.05.2024	54.84	42.10
	Manpur Workmen Camp		55.67	43.15
	Near STP & WTP Santpur		55.64	42.84
	CWR Luniapura		56.1	43.84
4.	RSTDIP/SHR-ABR/01			
	Sirohi Town			
	Intake Well Site	07.05.2024 to 08.05.2024	57.47	44.10
	Near Workmen Camp/STP 5.0 MLD		60.11	48.23
	1.7 MLD STP		62.12	47.21
	CRMC Building		55.84	42.29
5	RSTDIP/MDW/03			
	Mandawa Town			
	SPS Site	10.06.2024 to 12.06.2024	62.82	49.20
	CWR PHED Site		60.45	50.20
	STP Site		64.30	50.20
	Pipe Laying Site		65.10	49.36
6	RSTDIP/KMN/02			
	Kuchaman Town			
	7.6 MLD STP	12.06.2024 to 15.06.2024	53.5	40.5
	RUIDP Office Near SK Academy		51.4	39.2
	SPS – 1 Site		52.4	38.3
	600 KL Site		55.6	40.3

S.No.	Package / Town / Monitoring Location	Monitoring date	Noise Level Leq (dB(A))	
			Day time	Night time
7	L&T Labour Colony	15.06.2024 to 16.06.2024	52.5	39.0
	Networking Site 01		51.8	38.0
	Networking Site 02		52.6	38.5
	RSTDIP/LDN-DID-MKN/01			
8	Ladnu Town	15.06.2024 to 17.06.2024		
	STP – 1 (5.5 MLD) Asota Village		60.3	46.2
	STP – 2 (2.4 MLD) Chipoli		64.1	43.7
	Pipe Laying Site Near Sensitive Area (Gaurav Path, L&T Office)		61.4	43.8
	RSTDIP / RTG-FTP-LXG / 01			
	Ratangarh Town			
	STP 3.8 MLD		55.45	42.85
9	STP 6.1 MLD	17.06.2024	60.78	46.36
	SPS 3.8 MLD		59.33	44.78
	SPS 4.6 MLD		63.22	48.09
	Workmen Camp		53.89	43.36
	RSTDIP/LDN-DID-MKN/01			
	Didwana Town			
	STP 3 MLD Site (Mela Maidan		64.5	47.1
10	SPS 1.3 MLD Site (Chhoti Devi School)	17.06.2024 to 19.06.2024	58.7	46.2
	SPS 1.7 MLD (Salt Road)		61.2	47.6
	Pipe Laying Site Near Sensitive Area (Store Room Kalwani)		62.5	46.9
	RSTDIP / RTG-FTP-LXG / 01			
	Fatehpur Town			
	STP 1.1 MLD (Railway Crossing Puliya)		62.45	48.71
	STP 4.3 MLD At Naribari Road		63.22	47.11
11	SPS 3.5 MLD At Behind Dholi Sati Temple	18.06.2024 to 19.06.2024	61.74	46.36
	SPS 0.6 MLD (AXG Maszid)		62.96	48.36
	Workmen Camp Churu Puliya Bypass		73.22	50.41
	RSTDIP/LDN-DID-MKN/01			
	Makrana Town			
	STP 7.7 MLD Site (Calananda)		65.0	47.1
	SPS 2.1 MLD Site (Matavar Zone 8)		65.3	43.9
12	SPS 2.3 MLD (Jhalatalav Zone 5)	19.06.2024	61.4	44.5
	Pipe Laying Site Near Sensitive Area (L&T Workmen Camp & Store nearby Gurjar Colony)		58.7	46.2
	RSTDIP/PRT/01			
	Pratapgarh Town			
	Near STP Main gate		61.2	43.0
	Near Sewage Pump House Station		62.9	45.1
	Near CRMC 1		60.1	46.8
13	RSTDIP/ KTR/03	24.06.2024 to 25.06.2024		
	Khetri Town			
	STP Construction Site		58.5	49.3
	Construction Site JEn Campus		52.3	43.3
	Construction Site AEn Campus		55.7	45.5
	Construction Site Govt Jay Singh School		53.7	42.5
	Construction Site of Special Mohalla		57.3	45.1

Ambient Noise Level Monitoring Results – FSTP Towns

S.No.	Package / Town / Monitoring Location	Monitoring date	Noise Level Leq (dB(A))	
			Day time	Night time
RSTDSP / NKT –SHR – BAN –JOB / 01				
1	FSTP Site, Bandi Kui	19.06.2024 to 20.06.2024	64.0	53.0
2	FSTP Site, Jobner	22.06.2024 to 23.06.2024	64.0	49.0
3	FSTP Site, Neem Ka Thana	25.06.2024 to 26.06.2024	62.0	48.0
RSTDSP / FSTP 9 TOWNS/03				
1	FSTP Site Dausa	28.06.2024 to 29.06.2024	60.10	42.52
2	FSTP Site Bari	29.06.2024 to 30.06.2024	60.50	46.60
3	FSTP Site Deeg	29.06.2024 to 30.06.2024	62.85	43.20
4	FSTP Site Tijara	30.06.2024	58.62	44.10
5	FSTP Site Bhawani Mandi	23.06.2024 to 24.06.2024	63.10	44.68
6	FSTP Site Bhinder-Kanode	25.06.2024 to 26.06.2024	59.50	40.70
7	FSTP Site Shahpura	26.06.2024 to 27.06.2024	56.30	42.50
8	FSTP Site Gangapur	26.06.2024 to 27.06.2024	59.50	41.20
9	FSTP Site Pilibanga-Suratgarh	21.06.2024 to 22.06.2024	59.36	42.65

Note: No Quarterly Environmental Monitoring conducted in Shahpura – Jaipur (FSTP Town) due to land issue.

Ground Water Quality Monitoring Results
Town: Sardarshahar

S.No	Parameters	Units	RSTDIP/SRD/01					
			Town: Sardarshahar, Date of Sampling: 05.04.2024					
			STP 1.6 MLD	STP – 1 (2.3 MLD) South Campus	STP – 2 (3.4 MLD) North Campus	PHED Campus- CWR 2400 KL	Pipe Laying (Zone 1 BT Road Work)	Pipe laying Zone 4 (7A)
1	pH @ 25°C	-	7.28	7.21	7.54	7.23	7.29	7.58
2	Total Dissolved solids	mg/l	917.0	265.0	1067.0	130.7	730.0	913.0
3	Total Alkalinity	mg/l	374.0	152.37	484.20	81.67	295.0	380.0
4	Total Hardness as CaCO ₃	mg/l	323.8	140.1	394.1	131.2	282.0	317.5
5	Nitrate as NO ₃	mg/l	10.32	10.97	22.37	1.20	10.37	12.87
6	Chlorides as Cl	mg/l	277.45	61.32	315.64	20.87	180.10	285.41
7	Sulphate as SO ₄	mg/l	108.10	40.87	222.15	9.12	109.37	112.31
8	Fluorides (as F)	mg/l	0.57	0.40	0.75	0.63	0.60	0.62
9	Iron as Fe	mg/l	0.15	0.11	0.17	0.07	0.17	0.25
10	Arsenic as Ar	mg/l	BDL (<0.005)	BDL (<0.005)	BDL (<0.005)	BDL (<0.005)	BDL (<0.005)	BDL (<0.005)
11	Mercury s Hg	mg/l	BDL (<0.0005)	BDL (<0.0005)	BDL (<0.0005)	BDL (<0.0005)	BDL (<0.0005)	BDL (<0.0005)
12	Lead (as Pb)	mg/l	BDL (<0.002)	BDL (<0.002)	BDL (<0.002)	BDL (<0.002)	BDL (<0.002)	BDL (<0.002)
13	Cadmium as Cd	mg/l	BDL (<0.002)	BDL (<0.002)	0.50	BDL (<0.002)	BDL (<0.002)	BDL (<0.002)
14	Copper as Cu	mg/l	BDL (<0.002)	BDL (<0.002)	BDL (<0.002)	BDL (<0.002)	BDL (<0.002)	BDL (<0.002)
15	Zinc	mg/l	0.37	BDL (<0.01)	BDL (<0.01)	0.30	0.32	0.43
16	Manganese as Mn	mg/l	BDL (<0.01)	BDL (<0.01)	BDL (<0.01)	BDL (<0.01)	BDL (<0.01)	BDL (<0.01)
17	Phenolic Compound	mg/l	BDL (<0.0005)	BDL (<0.0005)	BDL (<0.0005)	BDL (<0.0005)	BDL (<0.0005)	BDL (<0.0005)
18	Dissolved Oxygen (DO)	mg/l	6.3	5.2	5.9	6.5	6.5	6.8
19	Phosphate as P	mg/l	0.43	BDL (<0.2)	0.47	0.42	0.32	0.55
20	Chromium (Hexavalent) as Cr ⁺⁶	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---2, Town: Banswara

S.No	Parameters	Units	RSTDIP/BNS/04			
			Date of Sampling: 17.04.2024			
			SPS at Pratapgarh Road	SPS at Nathelav	WTP at AEn Campus	STP Site
1	pH @ 25°C	-	7.7	7.4	7.7	7.8
2	Total Dissolved solids	mg/l	298.0	570.0	140.0	436.0
3	Total Hardness as CaCO ₃	mg/l	136.0	302.0	36.0	204.0
4	Total Alkalinity	mg/l	202.0	148.0	68.0	172.0
5	Chlorides as Cl	mg/l	42.0	78.0	14.0	68.0
6	Dissolved Oxygen (DO)	mg/l	6.4	6.6	6.1	6.5
7	Fluorides (as F)	mg/l	0.29	0.51	0.35	0.41
8	Sulphate as SO ₄	mg/l	42.7	91.0	35.6	52.3
9	Iron as Fe	mg/l	0.15	0.21	0.17	0.17
10	Nitrate as NO ₃	mg/l	14.2	29.5	11.52	13.6
11	Phenolic Compound	mg/l	BDL (<0.01)	BDL (<0.01)	BDL (<0.01)	BDL (<0.01)
12	Copper as Cu	mg/l	BDL (<0.1)	0.14	0.14	0.11
13	Zinc	mg/l	0.17	0.15	0.21	0.15
14	Manganese as Mn	mg/l	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)
15	Mercury s Hg	mg/l	BDL (<0.01)	BDL (<0.01)	BDL (<0.01)	BDL (<0.01)
16	Cadmium as Cd	mg/l	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)
17	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)
18	Arsenic as Ar	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)
19	Lead (as Pb)	mg/l	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)
20	Phosphorous	mg/l	0.27	0.31	0.17	0.27

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---3, Town: Abu road

S. No	Parameters	Units	RSTDIP/SHR-ABR/01			
			Date of Sampling: 06.05.2024			
			Manpur workman camp	Near STP & WTP Santpur	CWR Luniapura	Market Network Area
1	pH @ 25°C	-	7.20	7.88	7.33	7.50
2	Conductivity @ 25°C		1323.0	1356.0	1311.0	1216.0
3	Total Dissolved solids	mg/l	835.0	975.0	891.0	832.0
4	Alkalinity		239.16	208.37	272.65	221.43
5	Total Hardness as CaCO ₃	mg/l	238.0	219.11	341.31	231.1
6	Nitrate as NO ₃	mg/l	19.10	12.67	15.76	20.10
7	Chlorides as Cl	mg/l	417.45	419.76	330.42	429.48
8	Sulphate as SO ₄	mg/l	135.13	127.10	139.43	125.20
9	Calcium (as Ca)	mg/l	68.11	73.45	127.74	70.16
10	Magnesium (as Mg)	mg/l	16.54	8.71	5.49	13.62
11	Fluorides (as F)	mg/l	0.69	0.75	0.73	0.63
12	Iron as Fe	mg/l	0.30	0.32	0.29	0.22
13	Arsenic (as As)	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
14	Mercury (as Hg)	mg/l	BDL(<0.0005)	BDL(<0.0005)	BDL(<0.0005)	BDL(<0.0005)
15	Lead (as Pb)	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
16	Cadmium (as Cd)	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
17	Copper as Cu	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
18	Total Chromium as Cr ⁺⁶)	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
19	Zinc as Zn	mg/l	BDL(<0.01)	0.24	0.20	BDL(<0.01)
20	Selenium (as Se)	mg/l	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)
21	Turbidity	NTU	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
22	Aluminium (as Al)	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
23	Manganese as Mn	mg/l	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)
24	Nickel as Ni	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
25	Total residual chlorine	mg/l	BDL(<0.15)	BDL(<0.15)	BDL(<0.15)	BDL(<0.15)
26	Cyanide (as CN)	mg/l	BDL(<0.02)	BDL(<0.02)	BDL(<0.02)	BDL(<0.02)
27	Colour	Hazen	BDL(<1.0)	BDL(<1.0)	BDL(<1.0)	BDL(<1.0)
28	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable
29	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable
30	Boron (as B)	mg/l	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---4, Town: Sirohi

S. No	Parameters	Units	RSTDIP/SHR-ABR/01			
			Town: Sirohi Date of Sampling: 07.05.2024			
			Intake Well Site	Near Workmen camp STP 5.0 MLD	1.7 MLD STP	CRMC Building
1	pH @ 25°C	-	7.72	7.72	7.45	7.53
2	Conductivity @ 25°C		1737.0	1519.0	1452.0	621.0
3	Total Dissolved solids	mg/l	1188.7	1056.0	923.10	362.0
4	Alkalinity	mg/l	211.36	281.23	222.25	84.20
5	Total Hardness as CaCO ₃	mg/l	218.20	235.5	238.32	131.10
6	Nitrate as NO ₃	mg/l	14.34	15.88	16.45	2.41
7	Chlorides as Cl	mg/l	389.30	435.48	443.21	40.23
8	Sulphate as SO ₄	mg/l	110.54	160.20	135.42	8.54
9	Calcium (as Ca)	mg/l	66.23	70.30	63.35	37.25
10	Magnesium (as Mg)	mg/l	12.87	14.60	19.50	8.90
11	Fluorides (as F)	mg/l	0.65	0.80	0.65	0.32
12	Iron as Fe	mg/l	0.17	0.10	0.16	0.18
13	Arsenic (as As)	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
14	Mercury (as Hg)	mg/l	BDL(<0.0005)	BDL(<0.0005)	BDL(<0.0005)	BDL(<0.0005)
15	Lead (as Pb)	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
16	Cadmium (as Cd)	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
17	Copper as Cu	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
18	Total Chromium as Cr)	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
19	Zinc as Zn	mg/l	0.26	0.27	0.27	0.27
20	Selenium (as Se)	mg/l	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)	BDL(<0.001)
21	Turbidity	NTU	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
22	Aluminium (as Al)	mg/l	BDL(<0.005)	BDL(<0.005)	BDL(<0.005)	BDL(<0.005)
23	Manganese as Mn	mg/l	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)
24	Nickel as Ni	mg/l	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)	BDL(<0.002)
25	Residual free chlorine	mg/l	BDL(<0.15)	BDL(<0.15)	BDL(<0.15)	BDL(<0.15)
26	Cyanide (as CN)	mg/l	BDL(<0.02)	BDL(<0.02)	BDL(<0.02)	BDL(<0.02)
27	Colour	Haze n	BDL(<1.0)	BDL(<1.0)	BDL(<1.0)	BDL(<1.0)
28	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable
29	Taste	-	Agreeable	Agreeable	Agreeable	Agreeable
30	Boron (as B)	mg/l	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---5,
Town: Mandawa

S.No	Parameters	Units	RSTDIP/MDW/03		
			Date of Sampling: 10.06.2024		
			STP Site	CWR PHED Site	SPS Site
1	pH @ 25°C	-	7.85	7.91	7.21
2	Calcium as Ca	mg/l	61.27	72.27	81.69
3	Chlorides as Cl	mg/l	60.80	207.11	252.7
4	Fluorides (as F)	mg/l	0.43	0.34	0.28
5	Magnesium as Mg	mg/l	4.76	23.81	12.38
6	Nitrate as NO ₃	mg/l	10.31	1.71	30.83
7	Phenolic Compound	mg/l	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)
8	Sulphate as SO ₄	mg/l	41.30	70.68	74.74
9	Total Alkalinity	mg/l	404.68	475.60	496.10
10	Total Dissolved solids	mg/l	694.0	974.0	944.0
11	Total Hardness as CaCO ₃	mg/l	172.48	278.32	254.80
12	Cadmium as Cd	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
13	Copper as Cu	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
14	Iron as Fe	mg/l	0.25	0.23	0.22
15	Lead (as Pb)	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
16	Manganese as Mn	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
17	Mercury as Hg	mg/l	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)
18	Zinc as Zn	mg/l	BDL (< 0.2)	BDL (< 0.2)	BDL (< 0.2)
19	Arsenic as Ar	mg/l	BDL (<0.005)	BDL (<0.005)	BDL (<0.005)
20	Phosphate as P	mg/l	0.61	0.48	0.67
21	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)
22	Dissolved Oxygen (DO)	mg/l	5.1	6.7	6.3

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---6,
Town: Kuchaman

S.No	Parameters	Units	RSTDIP/KMN/02		
			Date of Sampling: 13.06.2024		
			Bore well at farm house near STP Site	Bore well at RUIDP Office, Near SK Academy	Bore Well at Labour Camp
1	pH @ 25°C	-	7.45	8.19	7.48
2	Arsenic as Ar	mg/l	BDL (< 0.005)	BDL (< 0.005)	BDL (< 0.005)
3	Cadmium as Cd	mg/l	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)
4	Chlorides as Cl	mg/l	322.0	445.0	523.0
5	Copper as Cu	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)
6	Fluorides (as F)	mg/l	BDL (<0.1)	BDL (<0.1)	BDL (<0.1)
7	Iron as Fe	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
8	Lead (as Pb)	mg/l	BDL (<0.005)	BDL (<0.005)	BDL (<0.005)
9	Manganese as Mn	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)
10	Nitrate as NO ₃	mg/l	34.0	13.0	12.0
11	Phenolic Compound	mg/l	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)
12	Sulphate as SO ₄	mg/l	140.0	180.0	40.0
13	Total Hardness as CaCO ₃	mg/l	408.0	53.0	501.0
14	Zinc as Zn	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)
15	Total Dissolved solids	mg/l	1236.0	1486.0	1428.0
16	Dissolved Oxygen (DO)	mg/l	5.9	6.1	5.8
17	Phosphate as P	mg/l	BDL (<0.03)	BDL (<0.03)	BDL (<0.03)
18	Total Alkalinity	mg/l	552.0	723.0	376.0
19	Mercury as Hg	mg/l	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)
20	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL(<0.01)	BDL(<0.01)	BDL(<0.01)

BDL - Below Detectible limit



Environmental Monitoring Report

PUBLIC

Semestral Report: April 2024 – September 2024
December 2024

India: Rajasthan Secondary Towns Development Sector Project

Part 4 of 4: Appendix 11(Continued) and Appendix 12 - 13

Prepared by Rajasthan Urban Drinking Water Sewerage and Infrastructure Corporation Limited,
Government of Rajasthan for the Asian Development Bank (ADB).

Asian Development Bank

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Ground Water Quality Monitoring Results
Continuation Sheet ---7,
Town: Ladnu, Didwana & Makrana

S. No	Parameters	Units	RSTDIP/LDN-DID-MKN/01		
			Date of Sampling: 16.06.2024	Date of Sampling: 28.03.2024	Date of Sampling: 18.06.2024
			STP 2 (2.4 MLD) Site, Chhipoli, Ladnu	STP 3.0 MLD (Maila Maidan), Didwana	STP 7.7 MLD (Calanada), Makrana
1	pH @ 25°C	-	7.11	7.26	7.22
2	Turbidity	NTU	BDL < 1.0	BDL < 1.0	BDL < 1.0
3	Total Dissolved solids	mg/l	196.0	181.0	191.0
4	Alkalinity	mg/l	59.41	46.73	40.93
5	Total Hardness as CaCO ₃	mg/l	123.96	114.59	128.31
6	Chlorides as Cl	mg/l	27.58	20.89	29.85
7	Calcium (as Ca)	mg/l	30.17	27.21	34.60
8	Magnesium (as Mg)	mg/l	10.84	11.94	11.49
9	Nitrate as NO ₃	mg/l	3.06	3.16	3.08
10	Sulphate as SO ₄	mg/l	20.37	18.66	22.17
11	Fluorides (as F)	mg/l	BDL	BDL	BDL
12	Iron as Fe	mg/l	BDL	BDL	BDL
13	Free Residual Chlorine	mg/l	BDL	BDL	BDL
14	Total Chromium as Cr ⁺⁶)	mg/l	BDL	BDL	BDL
15	Aluminium (as Al)	mg/l	BDL	BDL	BDL
16	Boron (as B)	mg/l	BDL	BDL	BDL
17	Copper as Cu	mg/l	BDL	BDL	BDL
18	Lead (as Pb)	mg/l	BDL	BDL	BDL
19	Zinc as Zn	mg/l	BDL	BDL	BDL
20	Mercury (as Hg)	mg/l	BDL	BDL	BDL
21	Cadmium (as Cd)	mg/l	BDL	BDL	BDL
22	Manganese as Mn	mg/l	BDL	BDL	BDL
23	Selenium (as Se)	mg/l	BDL	BDL	BDL
24	Silver as Ag	mg/l	BDL	BDL	BDL
25	Cyanide (as CN)	mg/l	BDL	BDL	BDL
26	Nickel as Ni	mg/l	BDL	BDL	BDL
27	Arsenic (as As)	mg/l	BDL	BDL	BDL
28	Phenolic Compound (C ₆ H ₅ OH)	mg/l	BDL	BDL	BDL
29	Colour	Hazen	BDL(<5.0)	BDL(<5.0)	BDL(<5.0)
30	Odour	-	Agreeable	Agreeable	Agreeable
31	Taste	-	Agreeable	Agreeable	Agreeable

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---8, Town: Ratangarh

S.No	Parameters	Units	RSTDIP/RTG-FTP-LXG/01		
			Town: Ratangarh, Date of Sampling: 15.06.2024		
			STP 3.8 MLD	STP 6.1 MLD	Workmen camp
1	pH @ 25°C	-	7.56	7.96	7.22
2	Turbidity	NTU	BDL(<1.0)	BDL(<1.0)	BDL(<1.0)
3	Calcium as Ca		48.63	55.63	36.78
4	Chlorides as Cl	mg/l	135.45	102.41	60.23
5	Electrical conductivity	µs/cm	712.0	756.0	384.0
6	Fluorides (as F)	mg/l	0.36	0.40	0.22
7	Magnesium as Mg	mg/l	2.24	2.32	7.21
8	Nitrate as NO ₃	mg/l	4.12	5.23	3.14
9	Sulphate as SO ₄	mg/l	40.56	43.52	18.36
10	Total Alkalinity	mg/l	210.85	135.63	110.11
11	Total Dissolved solids	mg/l	510.0	525.0	251.30
12	Total Hardness as CaCO ₃	mg/l	130.55	148.36	121.45
13	Sodium as Na	mg/l	53.63	55.36	25.36
14	Potassium as K	mg/l	1.45	1.85	0.85
15	Copper as Cu	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
16	Iron as Fe	mg/l	BDL (<0.10)	BDL (<0.10)	BDL (<0.10)
17	Lead (as Pb)	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
18	Manganese as Mn	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
19	Phenolic Compound as C ₆ H ₅ OH	mg/l	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)
20	Arsenic	mg/l	BDL (<0.005)	BDL (<0.005)	BDL (<0.005)
21	Mercury as Hg	mg/l	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)
22	Zinc as Zn	mg/l	BDL (<0.2)	BDL (<0.2)	BDL (<0.2)
23	Cadmium as Cd	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
24	Color	mg/l	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
25	Odour	mg/l	Agreeable	Agreeable	Agreeable
26	Phosphorous	mg/l	BDL (<0.2)	BDL (<0.2)	BDL (<0.2)
27	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)
28	Dissolved Oxygen	mg/l	5.3	5.5	6.9

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---9, Town: Fatehpur

S.No	Parameters	Units	RSTDIP/RTG-FTP-LXG/01			
			Town: Fatehpur, Date of Sampling: 18.06.2024			
			STP 4.3 MLD Naribari Road	Workmen Camp Churu Puliya Bypass	STP 1.1 MLD (Railway Crossing Puliya)	SPS 3.5 MLD Dholi Sati Temple
1	pH @ 25°C	-	7.66	7.25	7.58	7.22
2	Turbidity	NTU	BDL(<1.0)	BDL(<1.0)	BDL(<1.0)	BDL(<1.0)
3	Calcium as Ca		91.22	85.36	22.70	35.22
4	Chlorides as Cl	mg/l	110.25	140.25	42.63	65.41
5	Electrical conductivity	µs/cm	736.0	1096.0	325.0	425.0
6	Fluorides (as F)	mg/l	0.38	0.42	0.26	0.32
7	Magnesium as Mg	mg/l	6.20	6.78	3.44	3.86
8	Nitrate as NO ₃	mg/l	5.12	5.63	3.10	3.52
9	Sulphate as SO ₄	mg/l	68.96	74.25	25.63	22.41
10	Total Alkalinity	mg/l	138.78	345.25	110.12	121.45
11	Total Dissolved solids	mg/l	478.0	720.0	236.0	276.0
12	Total Hardness as CaCO ₃	mg/l	253.12	240.88	70.80	103.78
13	Copper as Cu	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
14	Iron as Fe	mg/l	BDL (<0.10)	BDL (<0.10)	BDL (<0.10)	BDL (<0.10)
15	Lead (as Pb)	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
16	Manganese as Mn	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
17	Sodium as Na	mg/l	44.12	30.85	58.63	36.22
18	Potassium as K	mg/l	1.36	2.10	1.55	0.96
19	Phenolic Compounds as C ₆ H ₅ OH	mg/l	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)
20	Arsenic	mg/l	BDL (<0.005)	BDL (<0.005)	BDL (<0.005)	BDL (<0.005)
21	Mercury	mg/l	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)	BDL (<0.001)
22	Zinc	mg/l	BDL (<0.2)	BDL (<0.2)	BDL (<0.2)	BDL (<0.2)
23	Cadmium	mg/l	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)	BDL (<0.05)
24	Color	Hazen	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)
25	Odour	-	Agreeable	Agreeable	Agreeable	Agreeable
26	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)
27	Phosphorous	mg/l	BDL (<0.2)	BDL (<0.2)	BDL (<0.2)	BDL (<0.2)
28	Dissolved Oxygen (DO)	mg/l	5.4	5.6	5.9	6.2

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---10,
Town: Pratapgarh

S.No	Parameters	Units	RSTDIP/PRT/01		
			Date of Sampling: 19.06.2024		
			Near STP Main gate	Near Sewage Pump House Station	Near CRMC 1
1	pH @ 25°C	-	7.65	8.16	7.40
2	Total Dissolved solids	mg/l	835.0	406.0	995.0
3	Total Hardness as CaCO ₃	mg/l	268.0	148.0	328.0
4	Total Alkalinity	mg/l	256.0	200.0	336.0
5	Nitrate as NO ₃	mg/l	23.04	18.0	30.24
6	Chlorides as Cl	mg/l	231.92	27.99	249.92
7	Sulphate as SO ₄	mg/l	92.76	11.20	99.68
8	Iron as Fe	mg/l	0.06	0.03	0.07
9	Fluorides (as F)	mg/l	0.10	0.05	0.10
10	Zinc as Zn	mg/l	BDL	BDL	BDL
11	Copper as Cu	mg/l	BDL	BDL	BDL
12	Manganese as Mn	mg/l	BDL	BDL	BDL
13	Mercury as Hg	mg/l	BDL	BDL	BDL
14	Cadmium as Cd	mg/l	BDL	BDL	BDL
15	Arsenic as Ar	mg/l	BDL	BDL	BDL
16	Lead (as Pb)	mg/l	BDL	BDL	BDL
17	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL	BDL	BDL
18	Dissolved Oxygen (DO)	mg/l	7.12	6.86	6.38
19	Phosphate as P	mg/l	BDL	BDL	BDL
20	Phenolic Compound	mg/l	BDL	BDL	BDL

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---11,
Town: Khetri

S.No	Parameters	Units	RSTDIP/KTR/03		
			Date of Sampling: 25.06.2024		
			STP Construction Site	Construction Site JEN Campus	Construction Site AEN Campus
1	pH @ 25°C	-	7.66	7.23	7.26
2	Total Dissolved solids	mg/l	455.0	490.0	210.0
3	Total Hardness as CaCO ₃	mg/l	312.0	328.0	180.0
4	Calcium as Ca	mg/l	56.24	68.93	36.20
5	Magnesium as Mg	mg/l	34.20	37.90	20.24
6	Chlorides as Cl	mg/l	1337.98	149.98	51.98
7	Fluorides (as F)	mg/l	0.60	0.70	0.32
8	Sulphate as SO ₄	mg/l	60.28	68.37	25.20
9	Nitrate as NO ₃	mg/l	22.50	24.20	12.5
10	Total Alkalinity	mg/l	225.0	240.0	125.0
11	Iron as Fe	mg/l	0.13	0.10	0.08
12	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL(<0.03)	BDL(<0.03)	BDL(<0.03)
13	Dissolved Oxygen (DO)	mg/l	5.1	6.4	5.0
14	Phenolic Compound	mg/l	BDL	BDL	BDL
15	Phosphate as P	mg/l	BDL	BDL	BDL
16	Arsenic as Ar	mg/l	BDL	BDL	BDL
17	Cadmium as Cd	mg/l	BDL	BDL	BDL
18	Copper as Cu	mg/l	0.12	0.11	0.10
19	Lead (as Pb)	mg/l	BDL	BDL	BDL
20	Manganese as Mn	mg/l	BDL	BDL	BDL
21	Zinc as Zn	mg/l	0.28	0.24	0.18
22	Mercury as Hg	mg/l	BDL	BDL	BDL

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---12,
Town: FSTP Sub Project Towns (09 Towns)

S.No	Parameters	Units	RSTDSP/FSTP-9Towns/03				
			FSTP Site Bari Town	FSTP Site Bhawani Mandi Town	FSTP Site Dausa Town	FSTP Site Deeg Town	FSTP Site Tijara Town
			Date of Sampling: 29.06.2024	Date of Sampling: 23.06.2024	Date of Sampling: 29.06.2024	Date of Sampling: 30.06.2024	Date of Sampling: 01.07.2024
1	pH @ 25°C	-	7.11	7.81	7.35	7.51	7.95
2	Calcium as Ca	mg/l	70.70	176.03	70.70	67.81	53.38
3	Chlorides as Cl	mg/l	55.51	302.45	260.34	473.78	49.77
4	Fluorides (as F)	mg/l	0.94	0.31	0.87	0.87	0.58
5	Magnesium as Mg	mg/l	11.37	8.74	16.62	10.50	9.62
6	Nitrate as NO ₃	mg/l	2.13	5.07	1.50	1.76	1.73
7	Phenolic Compound	mg/l	BDL (< 0.10)	BDL (< 0.10)	BDL (< 0.10)	BDL (< 0.10)	BDL (< 0.10)
8	Sulphate as SO ₄	mg/l	14.22	20.68	50.42	109.82	18.31
9	Total Alkalinity	mg/l	451.0	364.90	434.60	356.70	287.0
10	Total Dissolved solids	mg/l	540.0	807.0	757.0	955.0	450.0
11	Total Hardness as CaCO ₃	mg/l	223.20	475.2	244.80	212.40	172.80
12	Cadmium as Cd	mg/l	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)
13	Copper as Cu	mg/l	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)
14	Iron as Fe	mg/l	0.45	0.14	0.12	0.16	0.22
15	Lead (as Pb)	mg/l	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)
16	Manganese as Mn	mg/l	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)
17	Mercury s Hg	mg/l	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)
18	Zinc	mg/l	BDL (< 0.20)	BDL (< 0.20)	BDL (< 0.20)	BDL (< 0.20)	BDL (< 0.20)
19	Arsenic as Ar	mg/l	BDL (< 0.005)	BDL (< 0.005)	BDL (< 0.005)	BDL (< 0.005)	BDL (< 0.005)
20	Phosphate	mg/l	0.71	0.84	0.89	0.52	1.40
21	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)
22	Dissolved Oxygen (DO)	mg/l	5.9	5.2	4.8	5.1	5.5

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---13,
Town: FSTP Sub Project Towns (09 Towns)

S.No	Parameters	Units	RSTDSP/FSTP-9Towns/03			
			FSTP Site Bhinder – Kanode Town	FSTP Site Shahpura (Bhilwara) Town	FSTP Site Gangapur (Bhilwara) Town	FSTP Site Pilibanga- Suratgarh Town
			Date of Sampling: 25.06.2024	Date of Sampling: 26.06.2024	Date of Sampling: 26.06.2024	Date of Sampling: 26.06.2024
1	pH @ 25°C	-	7.61	7.25	7.11	7.01
2	Calcium as Ca	mg/l	85.12	196.23	134.18	80.80
3	Chlorides as Cl	mg/l	49.77	670.0	445.07	241.20
4	Fluorides (as F)	mg/l	0.23	0.98	0.68	0.86
5	Magnesium as Mg	mg/l	9.62	19.24	10.50	5.24
6	Nitrate as NO ₃	mg/l	0.75	1.32	1.31	1.42
7	Phenolic Compound	mg/l	BDL (< 0.10)	BDL (< 0.10)	BDL (< 0.10)	BDL (< 0.10)
8	Sulphate as SO ₄	mg/l	34.45	159.18	46.98	47.29
9	Total Alkalinity	mg/l	369.0	377.20	446.90	467.40
10	Total Dissolved solids	mg/l	573.80	1348.0	1094.90	721.0
11	Total Hardness as CaCO ₃	mg/l	252.0	568.80	378.0	223.20
12	Cadmium as Cd	mg/l	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)
13	Copper as Cu	mg/l	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)
14	Iron as Fe	mg/l	0.17	0.17	0.19	0.12
15	Lead (as Pb)	mg/l	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)
16	Manganese as Mn	mg/l	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)	BDL (< 0.05)
17	Mercury s Hg	mg/l	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)	BDL (< 0.001)
18	Zinc	mg/l	BDL (< 0.20)	BDL (< 0.20)	BDL (< 0.20)	BDL (< 0.20)
19	Arsenic as Ar	mg/l	BDL (< 0.005)	BDL (< 0.005)	BDL (< 0.005)	BDL (< 0.005)
20	Phosphate	mg/l	0.83	0.21	0.49	0.85
21	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)	BDL (<0.02)
22	Dissolved Oxygen (DO)	mg/l	4.5	4.5	5.8	5.2

BDL - Below Detectible limit

Ground Water Quality Monitoring Results
Continuation Sheet ---14,
Town: FSTP Sub Project Towns (04 Towns)

S.No	Parameters	Units	RSTDSP / NKT –SHR – BAN –JOB / 01		
			FSTP Site, Jobner Date of Sampling: 23.06.2024	FSTP Site, Bandi Kui Date of Sampling: 20.06.2024	FSTP Site, Neem Ka Thana Date of Sampling: 26.06.2024
1	pH @ 25°C	-	7.39	7.35	7.65
2	Total Hardness as CaCO ₃	mg/l	180.0	152.0	220.0
3	Sulphate as SO ₄	mg/l	18.9	20.12	45.1
4	Chlorides as Cl	mg/l	92.0	94.0	110.0
5	Fluorides (as F)	mg/l	0.80	0.42	0.75
6	Total Dissolved solids	mg/l	436.0	402.0	468.0
7	Total Alkalinity	mg/l	172.0	175.0	158.0
8	Calcium as Ca	mg/l	40.0	24.0	43.2
9	Magnesium as Mg	mg/l	19.44	22.36	27.22
10	Zinc as Zn	mg/l	0.052	0.038	0.026
11	Copper as Cu	mg/l	0.017	0.020	0.015
12	Manganese as Mn	mg/l	0.009	0.018	0.012
13	Nitrate as NO ₃	mg/l	5.25	5.02	5.02
14	Mercury as Hg	mg/l	BDL	BDL	BDL
15	Cadmium as Cd	mg/l	BDL	BDL	BDL
16	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL	BDL	BDL
17	Phosphate as P	mg/l	0.035	0.07	0.023
18	Lead (as Pb)	mg/l	BDL	BDL	BDL
19	Arsenic as Ar	mg/l	0.002	0.005	0.0021
20	Phenolic Compound	mg/l	0.0011	0.001	0.0010
21	Iron as Fe	mg/l	0.022	0.3	0.03
22	Dissolved Oxygen (DO)	mg/l	3.2	4.9	2.5

BDL - Below Detectible limit

Note: No Quarterly Environmental Monitoring conducted in Shahpura – Jaipur (FSTP Town) due to land issue.

**Surface Water Quality Monitoring Results –
Town: Banswara**

S.No	Parameters	Units	RSTDIP/BNS/04
			Date of Sampling: 17.04.2024
			Kagdi Lake
1	pH	-	8.3
2	Turbidity	NTU	0.3
3	Total Dissolved solids	mg/l	138.0
4	Total Suspended Solids	mg/l	BDL (<5.0)
5	Total Hardness as CaCO ₃	mg/l	82.0
6	Calcium (as Ca)	mg/l	24.0
7	Magnesium (as Mg)	mg/l	5.83
8	Chlorides as Cl	mg/l	18.0
9	Dissolved Oxygen (DO)	mg/l	6.6
10	Total residual chlorine	mg/l	BDL (< 0.2)
11	Fluorides (as F)	mg/l	0.51
12	Sulphate as SO ₄	mg/l	14.2
13	Iron as Fe	mg/l	0.13
14	Sodium as Na	mg/l	17.21
15	Potassium (as K)	mg/l	1.35
16	Chemical Oxygen Demand	mg/l	BDL (< 4.0)
17	Biochemical Oxygen Demand 3 days @ 25°C	mg/l	BDL (< 2.0)
18	Phosphate	mg/l	0.21
19	Copper as Cu	mg/l	0.12
20	Phenolic Compound	mg/l	BDL (< 0.01)
21	Hexavalent Chromium as Cr ⁺⁶)	mg/l	BDL (< 0.1)
22	Lead (as Pb)	mg/l	BDL (< 0.1)
23	Manganese as Mn	mg/l	BDL (< 0.1)
24	Zinc as Zn	mg/l	0.24
25	Boron (as B)	mg/l	0.07
26	Aluminium (as Al)	mg/l	BDL (< 0.01)
27	Arsenic (as As)	mg/l	BDL (< 0.02)
28	Mercury (as Hg)	mg/l	BDL (< 0.01)
29	Cadmium (as Cd)	mg/l	BDL (< 0.1)
30	Cyanide (as CN)	mg/l	BDL (< 0.01)
31	Selenium (as Se)	mg/l	BDL (< 0.01)

BDL – Below Detectible limit

Surface Water Quality Monitoring Results
Continuation Sheet ---2, Town: Didwana

S.No	Parameters	Units	RSTDIP/LDN-DID-MKN/01
			Date of Sampling: 17.06.2024
			Near 3 MLD STP Site (Mela Maidan), Near Pond, Didwana
1	pH @ 25°C	-	9.78
2	Turbidity	NTU	9.84
3	Total Dissolved solids	mg/l	3678.0
4	Total Suspended solids	mg/l	42.0
5	Chlorides as Cl	mg/l	1164.21
6	Fluorides (as F)	mg/l	2.27
7	Sulphate as SO ₄	mg/l	168.42
8	Nitrate as NO ₃	mg/l	10.91
9	Iron as Fe	mg/l	0.66
10	Total Hardness as CaCO ₃	mg/l	143.37
11	Calcium (as Ca)	mg/l	23.76
12	Magnesium (as Mg)	mg/l	17.83
13	Sodium (as Na)	mg/l	1392.58
14	Potassium (as K)	mg/l	181.06
15	Zinc as Zn	mg/l	BDL
16	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL
17	Copper as Cu	mg/l	BDL
18	Manganese as Mn	mg/l	BDL
19	Aluminium as Al	mg/l	BDL
20	Arsenic as Ar	mg/l	BDL
21	Boron as B	mg/l	BDL
22	Lead (as Pb)	mg/l	BDL
23	Cadmium as Cd	mg/l	BDL
24	Mercury as Hg	mg/l	BDL
25	Total Residual Chlorine	mg/l	BDL
26	Dissolved Oxygen (DO)	mg/l	5.4
27	Biochemical Oxygen demand (BOD) 3 days @ 25° C	mg/l	56.0
28	Chemical Oxygen demand	mg/l	178.0
29	Cyanide as CN	mg/l	BDL
30	Selenium as Se	mg/l	BDL

BDL – Below Detectible limit

Surface Water Quality Monitoring Results
Continuation Sheet ---3, Pratapgarh Sub Project Town

S.No	Parameters	Units	RSTDIP/PRT/01		
			Date of Sampling: 19.06.2024		
			Near STP	Near Sewage Pump House	Near CRMC 1
1	pH @ 25°C	-	8.46	7.25	7.66
2	Turbidity	NTU	BDL < 5	BDL < 5	BDL < 5
3	Total Dissolved solids	mg/l	755.0	1142.0	1190.0
4	Total Suspended solids	mg/l	130.0	37.0	11.0
5	Chlorides as Cl	mg/l	299.90	159.95	213.93
6	Fluorides (as F)	mg/l	0.13	0.15	0.15
7	Sulphate as SO ₄	mg/l	119.96	63.98	85.57
8	Nitrate as NO ₃	mg/l	17.28	61.56	44.64
9	Iron as Fe	mg/l	0.10	0.12	0.10
10	Total Hardness as CaCO ₃	mg/l	108.0	316.0	372.0
11	Calcium (as Ca)	mg/l	38.46	38.46	91.35
12	Magnesium (as Mg)	mg/l	5.83	14.61	16.32
13	Sodium (as Na)	mg/l	57.6	57.60	148.8
14	Potassium (as K)	mg/l	25.92	25.92	66.96
15	Zinc as Zn	mg/l	0.09	0.11	0.11
16	Hexavalent Chromium as Cr ⁺⁶	mg/l	BDL	BDL	BDL
17	Copper as Cu	mg/l	0.08	0.10	0.08
18	Manganese as Mn	mg/l	BDL	BDL	BDL
19	Aluminium as Al	mg/l	BDL	BDL	BDL
20	Arsenic as Ar	mg/l	BDL	BDL	BDL
21	Boron as B	mg/l	BDL	BDL	BDL
22	Lead (as Pb)	mg/l	BDL	BDL	BDL
23	Cadmium as Cd	mg/l	BDL	BDL	BDL
24	Mercury as Hg	mg/l	BDL	BDL	BDL
25	Total Residual Chlorine	mg/l	BDL	BDL	BDL
26	Dissolved Oxygen (DO)	mg/l	5.85	4.80	4.84
27	Biochemical Oxygen demand (BOD) 3 days @ 25° C	mg/l	14.69	25.12	50.74
28	Chemical Oxygen demand	mg/l	46.72	86.78	164.36
29	Cyanide as CN	mg/l	BDL	BDL	BDL
30	Selenium as Se	mg/l	BDL	BDL	BDL

BDL - Below Detectible limit

Soil Quality Monitoring Results
Town: Sardarshahar

Sr.No	Parameters	Unit of Measurements	RSTDIP/SRD/01					
			Town: Sardarshahar,					
			Date of Sampling : 05.04.2024 & 06.04.2024					
			STP 1.6 MLD	STP – 1 (2.3 MLD) South Campus	STP – 2 (3.4 MLD) North Campus	PHED Campus-CWR 2400 KL	Pipe Laying (Zone 1 BT Road Work)	Pipe laying Zone 4 (7A)
1	pH (at 25°C)	-	8.32	8.26	8.18	7.34	8.32	7.41
2	Electrical Conductivity	mS/cm	0.398	0.379	0.381	0.415	0.275	0.425
3	Calcium (as Ca)	mg/kg	148.1	127.67	147.37	148.36	122.2	148.5
4	Magnesium (as Mg)	mg/kg	98.5	92.84	92.13	90.30	75.78	98.7
5	Sodium (as Na)	mg/kg	85.34	88.37	98.78	81.74	82.4	78.65
6	Potassium (as K)	Kg/hect.	158.30	164.5	149.30	154.64	155.1	157.32
7	Organic Carbon	%	0.48	0.48	0.48	0.45	0.52	0.52
8	Soil Texture	-	Sandy loam	Sandy loam	Sandy loam	Sandy loam	Sandy loam	Sandy loam
9	Total Nitrogen (as N)	Kg/hect.	365.1	332.37	349.12	364.5	345.2	357.7
10	Available Phosphorus	Kg/hect.	32.13	32.36	28.23	35.37	32.0	28.69
11	Moisture content	%	4.40	7.88	4.58	5.65	3.89	4.75
12	Permeability	cm/S	0.0006	0.003	0.0007	0.0008	0.0009	0.0005
13	Oil & Grease	mg/kg	6.32	6.84	6.50	6.52	5.34	5.20

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---2, Town: Banswara

Sr. No	Parameters	Unit of Measurements	RSTDIP/BNS/04		
			Date of Sampling: 17.04.2024		
			STP Site	Kagdi Lake	SPS @ Pratapgarh Road
1	pH (at 25°C)	-	8.2	8.1	8.3
2	Electrical Conductivity	mS/cm	0.319	0.526	0.428
3	Moisture content	%	14.35	17.34	27.89
4	Texture	-	Sandy Loam	Clay Loam	Sandy Loam
5	Calcium (as Ca)	mg/kg	1836.0	2418.0	2028.0
6	Magnesium (as Mg)	mg/kg	1092.0	1725.0	1311.0
7	Permeability	cm/sec	10-4	10-6	10-4
8	Sodium (as Na)	mg/kg	1356.0	1931.0	1328.0
9	Potassium (as K)	mg/kg	912.0	1047.0	916.0
10	Phosphate (as p)	Kg/ha	29.0	31.0	35.0
11	Organic Matter	%	0.41	0.61	0.52
12	Total Nitrogen (as TKN)	mg/kg	165.0	175.0	164.0
13	Oil & Grease	mg/kg	BDL (<1.0)	BDL (<1.0)	BDL (<1.0)

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---3, Town: Abu Road

Sr. No	Parameters	Unit of Measurements	RSTDIP/SHR-ABR/01			
			Date of Sampling: 06.05.2024			
			Market Network Area	Manpur Workmen Camp	Near STP & WTP Santpur	Luniapura CWR
1	pH (at 25°C)	-	7.42	7.19	7.61	7.89
2	Electrical Conductivity	mS/cm	0.378	0.369	0.356	0.350
3	Soil Texture	-	Sandy	Sandy	Sandy	Sandy
4	Calcium (as Ca)	mg/kg	379.62	432.43	388.43	408.30
5	Sodium (as Na)	mg/kg	75.31	71.85	80.21	72.43
6	Potassium (as K)	mg/kg	160.56	181.34	165.76	150.78
7	Organic Matter	%	0.69	0.62	0.61	0.52
8	Magnesium (as Mg)	mg/kg	86.34	80.30	76.51	70.20
9	Available Nitrogen (as N)	Kg/hect.	251.10	278.46	250.23	266.32
10	Phosphate	mg/kg	23.10	25.42	20.41	19.53
11	Moisture content	%	3.25	3.23	3.71	3.51
12	Permeability	cm/S	0.0006	0.0008	0.0009	0.0008
13	Oil & Grease	mg/kg	BDL (< 5.0)	BDL (< 5.0)	BDL (< 5.0)	BDL (< 5.0)

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---4, Town: Sirohi

Sr. No	Parameters	Unit of Measurements	RSTDIP/SHR-ABR/01			
			Town: Sirohi Date of Sampling: 09.05.2024			
			Intake Well Site	Near Workmen camp STP 5.0 MLD	WTP 9 MLD at Angore PHED campus	CRMC Building
1	pH (at 25°C)	-	7.72	7.62	7.51	7.73
2	Electrical Conductivity	mS/cm	0.423	0.386	0.349	0.375
3	Calcium (as Ca)	mg/kg	398.53	385.30	418.36	377.63
4	Magnesium (as Mg)	mg/kg	74.23	60.23	72.85	79.43
5	Sodium (as Na)	mg/kg	60.48	57.45	64.64	75.20
6	Potassium (as K)	Kg/hect.	150.16	152.53	182.53	155.13
7	Organic Matter	%	0.66	0.60	0.68	0.70
8	Soil Texture	-	Sandy	Sandy	Sandy	Sandy
9	Available Nitrogen (as N)	Kg/hect.	264.10	251.48	318.36	267.0
10	Phosphate	mg/kg	23.36	20.18	26.13	23.10
11	Moisture content	%	2.49	2.49	3.72	2.29
12	Permeability	cm/S	0.0009	0.0011	0.0009	0.0009
13	Oil & Grease	mg/kg	BDL (< 5.0)	BDL (< 5.0)	BDL (< 5.0)	BDL (< 5.0)

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---5, – Town: Mandawa

Sr. No	Parameters	Unit of Measurements	RSTDIP/MDW/03		
			Date of Sampling: 10.06.2024		
			SPS Site	CWR PHED Site	STP Site
1	pH (at 25°C)	-	7.95	7.95	7.54
2	Available Nitrogen (as N)	Kg/hect.	141.25	269.89	230.87
3	Potassium (as K)	Kg/hect.	273.13	311.29	378.24
4	Electrical Conductivity	mS/cm	0.421	0.495	0.475
5	Calcium (as Ca)	mg/kg	54.98	62.84	94.26
6	Magnesium (as Mg)	mg/kg	38.13	50.05	30.03
7	Organic Matter	%	0.93	1.0	1.06
8	Soil Moisture content	%	0.24	1.54	1.39
9	Sodium (as Na)	mg/kg	48.93	49.98	49.95
10	Soil Texture	-	Sandy Loam	Sandy Loam	Sandy Loam
11	Permeability	cm/S	0.0008	0.0007	0.0006
12	Oil & Grease	mg/kg	BDL (< 5.0)	BDL (< 5.0)	BDL (< 5.0)
13	Phosphate	Kg/hect.	24.15	52.24	55.05

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---6, Town: Kuchaman

Sr. No	Parameters	Unit of Measurements	RSTDIP/KMN/02		
			Date of Sampling: 12.06.2024		
			7.6 MLD STP Site	Near RUIDP Office	L&T Labor Camp
1	pH	-	9.67	8.8	8.44
2	Oil & Grease	mg/kg	BDL (<5.0)	BDL (<5.0)	BDL (<5.0)
3	Sand	%	60.0	82.0	84.0
4	Silt	%	22.0	11.0	10.0
5	Soil Texture	-	Sandy Loam	Loamy Sand	Loamy Sand
6	Exchangeable Sodium (as Na)	mg/kg	1875	168.0	132.0
7	Clay	%	18.0	7.0	6.0
8	Electrical Conductivity	µS/cm	2088	92.0	72.0
9	Total Nitrogen (as TKN)	mg/kg	286.0	196.0	174.0
10	Organic Matter	%	0.39	0.23	0.21
11	Permeability	cm/hr	4.0	4.9	5.0
12	Calcium (as Ca)	mg/kg	2800	1150.0	700.0
13	Exchangeable Magnesium (as Mg)	mg/kg	270.0	90.0	60.0
14	Exchangeable Potassium (as K)	mg/kg	205.0	81.0	101.0
15	Phosphate as PO ₄	kg/ha	18.0	9.1	9.8
16	Moisture at 105°C	%	24.0	19.0	17.0

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---7,
Town: Ladnu, Didwana & Makrana

Sr. No	Parameters	Unit of Measurements	RSTDIP/LDN-DID-MKN/01									
			Town: Didwana Date of Sampling: 17.06.2024				Town: Ladnu Date of Sampling: 16.06.2024			Town: Makrana Date of Sampling: 18.06.2024		
			STP 3 MLD Mela Maidan	SPS 1.3 MLD Choti Devi School	SPS 1.7 MLD Site Salt road	Pipe Laying Site Near Sensitive Area (Stote Room Kalwani Choraya	STP-1, 5.5 MLD Site Asota Village	STP- 2, 2.4 MLD Site Chipoli	Pipe Laying Site Near Sensitive Area (Guest House Janta Colony)	STP 7.7 MLD Calana nda	SPS 2.3 MLD Site Jhalatal av	SPS 2.1 MLD Site Matavar
1	pH (at 25°C)	-	8.67	8.91	8.79	8.57	8.43	8.24	8.76	7.96	8.67	8.42
2	Electrical Conductivity	mS/cm	0.44	0.36	0.30	0.34	0.28	0.38	0.30	0.24	0.31	0.31
3	Soil Moisture	%	2.18	1.54	8.28	8.31	1.14	1.54	1.28	0.79	0.80	0.71
4	Organic Matter	%	0.36	0.47	0.33	0.32	0.70	0.81	0.78	0.42	0.52	0.54
5	Sodium as Na	mg/kg	22.14	19.68	14.17	14.72	58.31	55.06	52.18	64.88	24.61	40.83
6	Calcium as Ca	mg/kg	1398.77	1746.35	1610.76	1611.77	651.82	826.53	613.89	774.36	1204.15	794.65
7	Magnesium as Mg	mg/kg	304.59	266.15	294.89	306.31	249.61	281.67	238.77	261.43	396.47	263.44
8	Phosphorus	mg/kg	34.17	30.21	24.43	22.18	36.81	22.71	31.62	44.51	58.91	36.91
9	Bulk Density (Compact)	gm/ml	1.53	1.54	1.60	1.60	1.58	1.53	1.60	1.56	1.54	1.58
10	Permeability	Cm/hr	3.0	4.0	8.0	7.0	3.0	6.0	4.0	5.0	3.0	4.0
11	Total Kjeldhal Nitrogen as N	mg/kg	229.67	217.33	226.50	231.88	216.56	201.48	208.94	249.16	219.13	207.18
12	Soil Texture (a) Sand	%	77.49	75.37	81.37	84.38	63.24	75.91	68.92	74.31	70.46	69.39
	(b) Silt	%	10.38	13.45	9.28	10.13	14.67	15.38	14.72	12.09	13.84	15.23
	(c) Clay	%	12.13	11.18	9.35	5.49	2.09	8.71	16.36	13.60	15.70	15.38

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---8, Town: Ratangarh

Sr.No	Parameters	Unit of Measurements	RSTDIP/RTG-FTP-LXG/01				
			Town : Ratangarh, Date of Sampling: 15.06.2024				
			STP 3.8 MLD	STP 6.1 MLD	SPS 4.6 MLD	SPS 3.8 MLD	Labour Camp
1	pH (at 25°C)	-	7.84	7.84	8.04	7.79	8.12
2	Bulk density	Gm/cc	1.39	1.42	1.36	1.34	1.32
3	Available Phosphorus	Kg/ha	32.45	28.11	36.45	30.22	28.11
4	Potassium (as K)	Kg/ha	160.22	156.22	145.22	170.56	136.25
5	Electrical conductivity	mS/cm	0.336	0.370	0.291	0.357	0.364
6	Calcium (as Ca)	mg/kg	145.11	548.11	540.69	712.63	610.78
7	Magnesium (as Mg)	mg/kg	40.36	67.36	45.36	55.89	55.22
8	Moisture content	%	1.12	1.02	1.60	1.12	1.36
9	Sodium (as Na)	mg/kg	85.63	72.22	86.11	78.12	78.22
10	Chloride	mg/kg	162.78	208.96	210.85	145.36	15.40
11	Total Kjeldhal Nitrogen (as TKN)	mg/kg	88.36	145.30	195.12	168.36	178.63
12	Specific Gravity	-	1.54	2.45	2.63	2.54	1.61
13	Soil texture	-	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam
14	Organic Carbon	%	0.30	0.27	0.43	0.38	0.38
15	Permeability	Cm/Sec	0.0009	0.0008	0.0007	0.0009	0.0006
16	Oil & Grease	mg/kg	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)
17	Phosphate	Kg/ha	23.12	25.36	19.22	23.12	20.45

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---9, Town: Fatehpur

Sr. No	Parameters	Unit of Measurements	RSTDIP/RTG-FTP-LXG/01				
			Town: Fatehpur Date of Sampling: 27.12.2023				
			STP 1.1 MLD Railway crossing Puliya	STP 4.3 MLD (Naribari Road)	Workman Camp, Churu Puliya Bypass	SPS 3.5 MLD At Behind Dholi Sati Temple	0.6 MLD AXG Maszid
1	pH (at 25°C)	-	7.86	7.66	8.10	7.66	7.94
2	Bulk Density	Gm/cc	1.34	1.39	1.48	1.30	1.39
3	Available Phosphorus	Kg/ha	46.25	35.11	48.66	36.96	40.11
4	Potassium as K	Kg/ha	110.78	128.23	152.78	135.45	130.89
5	Electrical Conductivity	mS/cm	0.328	0.328	0.345	0.368	0.325
6	Calcium as Ca	mg/kg	162.85	125.45	110.25	189.66	159.12
7	Magnesium as Mg	mg/kg	48.45	62.36	45.69	40.12	52.36
8	Soil Moisture	%	1.12	1.22	1.36	1.05	1.22
9	Sodium as Na	mg/kg	68.36	92.85	82.41	65.33	58.66
10	Chloride	mg/kg	135.10	136.25	98.36	165.88	120.44
11	Total Kjeldhal Nitrogen as TKN	mg/kg	135.78	112.36	115.33	118.25	110.22
12	Soil Texture	-	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam
13	Organic Matter	%	0.28	0.26	0.28	0.42	0.36
14	Permeability	cm/S	0.0007	0.0009	0.0009	0.0007	0.0008
15	Oil & Grease	mg/kg	BDL (< 5.0)	BDL (< 5.0)	BDL (< 5.0)	BDL (< 5.0)	BDL (< 5.0)
16	Phosphate	Kg/hect	20.12	18.78	22.36	28.66	23.52

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---10, Town: Pratapgarh

Sr. No	Parameters	Unit of Measurements	RSTDIP/PRT/01		
			Date of Sampling: 19.06.2024		
			Near STP	Near Sewage Pump Station (SPS)	Near CRMC 1
1	pH (at 25°C)	-	7.94	8.12	8.22
2	Electrical Conductivity	µS/cm	670.0	524.0	513.0
3	Moisture content	%	19.88	17.91	15.48
4	Total Nitrogen (as N)	%	0.07	0.08	0.07
5	Sodium (as Na)	mg/kg	121.08	139.03	137.24
6	Potassium (as K)	mg/kg	65.54	73.87	82.31
7	Organic Matter	%	4.14	4.56	5.25
8	Calcium (as Ca)	mg/kg	48.12	56.31	31.37
9	Magnesium (as Mg)	mg/kg	3.43	23.80	4.15
10	Phosphorous as P	mg/kg	68.0	41.52	67.28
11	Oil & Grease	mg/kg	BDL	BDL	BDL
12	Permeability	cm/hr	7.94	7.42	10.44
13	Soil Texture	-	Sandy Loam	Sandy Loam	Sandy Loam
	Sand	%	71.80	75.72	68.62
	Slit	%	16.80	14.47	16.29
	Clay	%	11.30	9.81	15.10

BDL - Below Detectible limit

Soil Quality Monitoring Results
Continuation Sheet ---11, – Town: Khetri

Sr. No	Parameters	Unit of Measurements	RSTDIP/KTR/03		
			Date of Sampling: 25.06.2024		
			STP Construction Site	Construction Site JEn Campus	Construction Site AEn Campus
1	pH	-	8.01	7.52	7.98
2	Electrical Conductivity	mS/cm	0.212	0.201	0.196
3	Soil Texture	-	Sandy	Sandy	Sandy
4	Moisture content	%	0.46	0.36	0.38
5	Calcium Carbonate	%	13.58	9.20	12.32
6	Bulk Density	gm/cc	1.44	1.34	1.40
7	Magnesium (as Mg)	mg/kg	31.26	28.30	34.20
8	Calcium (as Ca)	mg/kg	75.60	65.24	73.46
9	Organic Matter	%	0.36	0.34	0.38
10	Sodium (as Na)	mg/kg	11.9	15.0	14.2
11	Potassium (as K)	mg/kg	87.2	83.1	83.6
12	Total Kjeldjal Nitrogen (as TKN)	%	0.03	0.04	0.03
13	Phosphorous as P	kg/ha	9.86	12.14	13.10
14	Oil & Grease	mg/kg	Test not conducted		
15	Permeability	cm/S	Test not conducted		

BDL - Below Detectible limit

**Soil Quality Monitoring Results –
Continuation Sheet ---12, FSTP Sub Project Towns (09 Town)**

Sr. No	Parameters	Unit of Measurements	RSTDSP/FSTP-9Towns/03								
			FSTP Site Bari Town	FSTP Site Bhawani Mandi Town	FSTP Site Dausa Town	FSTP Site Deeg Town	FSTP Site Tijara Town	FSTP Site Bhinder – Kanode Town	FSTP Site Shahpura (Bhilwara) Town	FSTP Site Gangapur (Bhilwara) Town	FSTP Site Pilibanga Town
			Date of Sampling: 29.06.2024	Date of Sampling: 23.06.2024	Date of Sampling: 29.06.2024	Date of Sampling: 30.06.2024	Date of Sampling: 01.07.2024	Date of Sampling: 25.06.2024	Date of Sampling: 26.06.2024	Date of Sampling: 25.06.2024	Date of Sampling: 26.06.2024
1	pH (at 25°C)	-	8.21	7.64	7.52	7.91	8.01	7.51	7.45	8.01	7.92
2	Available Nitrogen	Kg/ha	135.0	154.25	135.0	167.14	205.71	218.50	134.97	141.41	179.96
3	Potassium (as K)	Kg/ha	199.03	205.82	205.94	210.54	107.51	206.07	199.30	192.54	199.35
4	Electrical Conductivity	mS/cm	0.315	0.61	0.362	0.385	0.245	0.452	0.415	0.395	0.510
5	Calcium (as Ca)	mg/kg	137.07	79.35	115.43	129.85	187.57	295.79	173.14	274.14	144.28
6	Magnesium (as Mg)	mg/kg	35.02	14.88	23.17	18.82	18.38	30.64	32.83	23.20	31.08
7	Organic Matter	%	0.85	0.85	0.81	0.94	1.03	1.93	0.94	0.99	1.03
8	Soil Moisture	%	1.48	0.67	1.26	1.24	1.39	1.36	0.90	2.81	0.89
9	Sodium (as Na)	mg/kg	61.96	55.92	64.96	60.99	57.99	57.86	67.96	57.97	67.99
10	Soil Texture	-	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam
11	Permeability	cm/S	0.004	0.007	0.005	0.006	0.008	0.009	0.006	0.009	0.004
12	Oil & Grease	mg/kg	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)	BDL (< 0.5)
13	Phosphate	Kg/ha	2.22	5.27	0.99	2.06	6.33	16.11	9.86	5.23	2.07

BDL - Below Detectible limit

APPENDIX 12: LETTER FROM PMU TO ESTABLISH GRM IN ALL PIUs

RUIDS Government of Rajasthan
Office of Project Director
Rajasthan Urban Infrastructure Development Project (Unit of RUDSICO)
 AVS Building, Jawahar Circle, JLN Marg, Jaipur - 302017
 Tel No.: 0141-2721906, Fax No.: 0141-2721919
 email: mailruidp@gmail.com, mailruidp@rajasthan.gov.in web site: -https://urban.rajasthan.gov.in/ruidp
 No. F3 (301) (60)/RUIDP/PMU/PH-IV/ ADB S. Safeguard /Gen adm./2020-21/1364 Date: 18/12/2020

Suprintending Engineer/Executive Engineer
 PIU- Abu Road, Sirohi, Ratangarh,
 Fatehpur, Laxmangarh, Sardarsar, Kuchaman, Ladnu, Mokrasa, Didwana, Khetri, Mandawa, Pratapgarh and Banswara.

Subject:- Nomination of Safeguard and Safety Officer (SSO) of each PIUs for proper monitoring of Environmental and Resettlement issues and addressing of safeguard related Grievances through Grievance Redress Mechanism.

Reference:- Agreed Environmental Resettlement framework and EARF of RSTDSP.

All PIUs are directed to issue an office order to nominate one engineer from PIU to work as Safeguard and Safety Officer (SSO). It will be additional responsibility of Safeguard and Safety Officer (SSO), PIU to ensure day to day monitoring of implementation of Environmental Management and Monitoring Plan (EMMP) provisions, Implementation & Monitoring Resettlement Plan (RP) and ADB Safeguard Policy & Safety compliance in concern town.

Further it is directed that all the PIU should maintain proper separate records of safeguard related Grievances received in their town and ensure that the safeguard related Grievances received are resolved as per Grievance Redress Mechanism (GRM) prescribed in EARF/RF which is summarized as under (for ready reference)

Methodology of multi-tier GRM	Responsibility/Action to be taken	Time Frame	Record Keeping
1st level: Grievances that are immediate and urgent in the perception of the complainant, the contractor, and supervision personnel from PIU and CMSC on-site will provide the most easily accessible or first level of contact for quick resolution of grievances	EE PIU will resolve issues in consultation with supervision personnel (ACM), Safeguard and Safety Officer (SSO) PIU, Contractor, and Safeguard staff of CMSC. If required, city level monitoring committee (CLMC) will be involved in resolution of grievances at the 1st level.	PIU will resolve issues within 7 days of receipt of a complaint/ grievance.	Safeguard Support of CMSC will oversee the matters and prioritize / follow up the issues with PIU/Contractor. Safeguard and Safety Officer of PIUs, Safeguard Support of CMSC will record Grievances timely in the format enclosed as Annexure 1. Contractory Safeguard Support of CMSC will enter the general Grievance received (in a summarized manner) in Grievance Register (format enclosed as Annexure 2) on receipt form public forwarded to head of PIU or Safeguard and Safety Officer (SSO) for resolve in time and provide summarized information as and when required. The grievance register will be endorsed by all field agencies involved in implementation of EMP and

shp
21/12/20

Project Management and Capacity Building Consultancy (PMCB) RSTDSP (RUIDP V)			
Received by		Forward No	
21/12/2020		1000	
TL	DTL/EE	CMSC	SSO
GRMS	EE	PE	CMSC
PC	EE	PE	II
CS	PE	EE	ALL
PC	CM	EE	SOCIAL

Methodology of multi-tier GRM	Responsibility/Action to be taken	Time Frame	Record Keeping
			RP.
2nd level: All grievances that cannot be redressed within 7 days at field/PIU level will be brought to the notice of Zonal PIU headed by Additional Chief Engineer (ACE).	The ACE at zonal PIU will resolve issues in consultation with SE/EE PIU, assistant safeguard officer (ASO), field level PIU, CMSC, and the contractor.	The ACE at zonal PIU will resolve the grievance within 7 days of receipt of complaint/grievance.	Environmental and Social Safeguards Personal of CMSC will keep all the records referred to zonal PIU and after completion, all the details will be submitted to PMU.
3rd level: All the grievances that are not addressed by Zonal PIU within 7 days of receipt will be brought to the notice of the PMU.	Project Officer (Social/Environment) at PMU will resolve the grievance with necessary coordination of Zonal PIU and CMSC and guidance/instruction of additional project director (APO-PMU).	PMU will resolve the grievance within 15 days of receipt of grievance.	Safeguard Support of PMCBC will keep all the records referred to PMU.
4th level: Grievances not redressed through this process within/at the project level within stipulated time period will be referred to the CLC/grievance redress committee (GRC).	Zonal PIU will inform the CLC regarding any grievances required to be resolved urgently.	The GRC will resolve the grievance within 15 days of receiving the complaint.	Environmental and Social Safeguards Personal of CMSC will keep all the records.
Please note that an aggrieved person shall have access to the country's legal system at any stage, and accessing the country's legal system can run parallel to accessing the GRM and is not dependent on the negative outcome of the GRM.			

PIU Safeguard and Safety Officer (SSO) will monitor the entire process and all decisions taken by the PIU, zonal officers, PMU and GRC and will be communicated to the APs by Safeguard Support of CMSC.

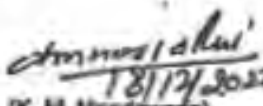
It is also directed that names and contact number of the concerned Safeguard and Safety Officer (SSO) of PIU, contractors, safeguard support staff of CMSC will be posted at all construction sites at visible locations.

All PIUs will ensure timely issuance of order with a copy to Project Officer (Social & Environment), PMU. Further PIUs will be responsible to ensure redressal of grievances as per GRM procedures summarized above.


Chief Engineer, RUIDP

No. F3 (301) (00Y/RUIDP/PMU/PH-IV/ Social Safeguard/General Adm./2020-21/ Date: 18/12/2020
Copy to the following for information and necessary action please:- 18368-70

1. ACE-I & II Phase-IV, RUIDP zone Jaipur & Jodhpur
2. TL, PMCBC, Phase-IV, RUIDP
3. TL CMSC-01/02 Phase-IV, RUIDP zone Jaipur & Jodhpur


18/12/2020
(K. M. Mandawala)
PO (Co-ord. & Social)

APPENDIX 13: ACCIDENT, INCIDENT, NEAR MISS AND FIRST AID CASES IN PROJECT TOWNS DURING April 2024 to September 2024 PERIOD

1. Town: Abu Road

Contractor: Larsen & Toubro Construction Limited (L&T)

Duration: 1st April 2024 to 30th September 2024

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

2. Town: Sirohi**Contractor: Larsen & Toubro Construction Limited (L&T)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

3. Town: Sardarshahar**Contractor: Larsen & Toubro Construction Limited (L&T)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

4. Town: Ratangarh**Contractor: Larsen & Toubro Construction Limited (L&T)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

5. Town: Fatehpur**Contractor: Larsen & Toubro Construction Limited (L&T)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

6. Town: Laxmangarh**Contractor: Larsen & Toubro Construction Limited (L&T)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

7. Town: Pratapgarh**Contractor: M/s. Khilari Infrastructure Pvt. Ltd.****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

8. Town: Banswara**Contractor: BIPL-SC-HP Joint Venture****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

9. Town: Kuchaman**Contractor: Larsen & Toubro Construction Limited (L&T)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	2
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	2	Cut Injury on the two fingers (Index and Middle finger) of the worker by steel rod mishandling at STP	First Aid Provided and awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents and provided first Aid & Tetanus Injection.
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

10. Town: Ladnu**Contractor: Larsen & Toubro Construction Limited (L&T)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

11. Town: Didwana**Contractor: Larsen & Toubro Construction Limited (L&T)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

12. Town: Makrana**Contractor: Larsen & Toubro Construction Limited (L&T)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

13. Town: Khetri**Contractor: M/s Lahoty LNA (JV), Jaipur****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

14. Town: Mandawa**Contractor: LNA R&B JV****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	1	0
June 2024	0	0	1	0
July 2024	0	0	0	0
August 2024	0	0	2	2
Sept. 2024	0	0	2	1

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
3.	June 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
4.	July 2024	0	0	0
5.	August 2024	2	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
6.	September 2024	2	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	2	Minor	Safety training was organized for whole team to avoid such incidents.
6.	September 2024	1	Minor	

Report on Accident/Incident/near miss/First aid cases – FSTP Towns**1. Town: Neem Ka Thana****Contractor: M/s Genius – LNA JV****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	2	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1	April 2024	2	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	Sept 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

2. Town: Bandi Kui**Contractor: M/s Genius – LNA JV****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	1
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	2	1
August 2024	0	0	0	0
Sept 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	Sept 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	Sept 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	2	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
5.	August 2024	0	0	0
6.	Sept 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	1	Minor	Safety training was organized for whole team to avoid such incidents.
5.	August 2024	0	0	0
6.	Sept 2024	0	0	0

3. Town: Jobner**Contractor: M/s Genius – LNA JV****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	1	0
May 2024	0	0	0	0
June 2024	0	0	1	0
July 2024	0	0	0	0
August 2024	0	0	1	0
September 2024	0	0	1	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
2.	May 2024	0	0	0
3.	June 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
4.	July 2024	0	0	0
5.	August 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
6.	Sept 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

4. Town: Bari**Contractor: M/S. MTS-EIEL (JV)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	1	0
May 2024	0	0	1	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
2.	May 2024	1	Minor	
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

5. Town: Deeg**Contractor: M/S. MTS-EIEL (JV)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	1
May 2024	0	0	0	1
June 2024	0	0	0	1
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
2.	May 2024	1	Minor	
3.	June 2024	1	Minor	
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

6. Town: Dausa**Contractor: M/S. MTS-EIEL (JV)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	1	0
May 2024	0	0	1	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	1	Minor	Awareness training given to whole team on importance of PPEs & corrective actions to prevent similar incidents
2.	May 2024	1	Minor	
3.	June 2024	0	0	
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

7. Town: Tijara**Contractor: M/S. MTS-EIEL (JV)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	1
May 2024	0	0	0	1
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	1	Minor	Awareness training given to whole team on importance of PPEs, H&S training and corrective actions to prevent similar incidents
2.	May 2024	1	Minor	
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

8. Town: Bhawani Mandi**Contractor: M/S. MTS-EIEL (JV)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

9. Town: Shahpura (Bhilwara)
Contractor: M/S. MTS-EIEL (JV)
Duration: 1st April 2024 to 30th September 2024

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

10. Town: Bhinder – Kanode**Contractor: M/S. MTS-EIEL (JV)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

11. Town: Gangapur (Bhilwara)**Contractor: M/S. MTS-EIEL (JV)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

12. Town: Pilibanga - Suratgarh**Contractor: M/S. MTS-EIEL (JV)****Duration: 1st April 2024 to 30th September 2024**

Month	Nos. of Accident cases	Nos. of Incident Cases	Nos. of Near miss cases	Nos. of first aid cases
April 2024	0	0	0	0
May 2024	0	0	0	0
June 2024	0	0	0	0
July 2024	0	0	0	0
August 2024	0	0	0	0
September 2024	0	0	0	0

Details of Accident cases-

S.No.	Month	Number of Accident cases	Nature of Accident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Incident cases-

S.No.	Month	Number of Incident cases	Nature of Incident	Action taken
1	April 2024	0	0	0
2	May 2024	0	0	0
3	June 2024	0	0	0
4	July 2024	0	0	0
5	August 2024	0	0	0
6	September 2024	0	0	0

Details of Near miss cases-

S.No.	Month	Number of near miss cases	Nature of near miss and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

Details of first aid cases-

S.No.	Month	Number of first aid cases	Nature of first aid cases and their number	Action taken
1.	April 2024	0	0	0
2.	May 2024	0	0	0
3.	June 2024	0	0	0
4.	July 2024	0	0	0
5.	August 2024	0	0	0
6.	September 2024	0	0	0

***** End of Report *****

