

Land Acquisition and Involuntary Resettlement Due Diligence Report

Document Stage: Draft for consultation
Project Number: 42267-034
February 2023

India: Rajasthan Secondary Towns Development
Sector Project – Additional Financing

Bundi Water Supply and Wastewater Works

Prepared by Rajasthan Urban Drinking Water Sewerage and Infrastructure Corporation Limited-
Externally Aided Projects for the Asian Development Bank.

CURRENCY EQUIVALENTS

(as of 7 February 2023)

Currency unit – Indian rupee (₹)

₹1.00 = \$ 0.01

\$1.00 = ₹ 82.76

ABBREVIATIONS

ADB	–	Asian Development Bank
CAPPC	–	Community Awareness and Public Participation Consultant
CCC	–	central control center
CLC	–	City Level Committee
CPR	–	common property resources
CWR	–	clear water reservoir
CRO	–	Complaint Receiving Officer
CMSC	–	Construction Management and Supervision Consultant
DBO	–	design, build and operate
DDR	–	due diligence report
DPR	–	detailed project report
EHS	–	environment, health and safety
EMP	–	environmental management plan
ESR	–	elevated service reservoir
FGD	–	focus group discussion
GESI	–	gender equality and social inclusion
GOI	–	Government of India
GOR	–	Government of Rajasthan
GRM	–	grievance redress mechanism
HDPE	–	high-density polyethylene
IEE	–	initial environmental examination
LSGD	–	Local Self Government Department
MCC	–	master control center
NGO	–	non-governmental organization
NRW	–	non-revenue water
O&M	–	operation and maintenance
OBC	–	other backward castes
OHSR	–	overhead service reservoir
PHED	–	Public Health Engineering Department
PIU	–	Project Implementation Unit
PMU	–	Project Management Unit
PMCBC	–	Project Management and Capacity Building Consultant
RFCTLA	–	Right to Fair Compensation and Transparency in Land
RRA	–	Acquisition, Rehabilitation and Resettlement Act of 2013
ROW	–	right-of-way
RSTDSP	–	Rajasthan Secondary Towns Development Sector Project
RUIDP	–	Rajasthan Urban Infrastructure Development Project
SEMP	–	specific environmental management plan
SBR	–	sequencing batch reactor
SIP	–	service improvement plan

NOTE

In this report, "\$" refers to United States dollars.

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I. INTRODUCTION

A. Project Overview

1. **Background:** Rajasthan Secondary Towns Development Sector Project (RSTDSP), is 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-Externally Aided Projects (RUDSICO-EAP), previously known as Rajasthan Urban Infrastructure Development Project (RUIDP). RSTDSP seeks to improve water supply sewerage and other infrastructure services in secondary towns of Rajasthan with populations ranging from 20,000-110,000 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 through improvements in sewerage systems of subproject towns (iii) improvements in other infrastructure services of some towns. Under RSTDSP (the ongoing project), contracts for 14 project towns were awarded and execution of works are in full swing. RSTDSP will support the ongoing efforts of the Government of Rajasthan (GoR) towards improving the sewerage conditions of 13 towns through undertaking Faecal Sludge and Septage Management (FSSM) works from the savings in project cost under the ongoing project. RSTDSP will further take up improvements in water supply, wastewater and other infrastructure services in about 23 towns under additional financing. The Government of Rajasthan has decided to take up implementation of Water Supply, Sewerage, Drainage, Faecal Sludge and Septage Management (FSSM) and other city improvement works in about 23 towns under additional financing of US \$200 million from ADB. The of Department of Economic Affairs (DEA), Government of India has agreed for additional financing of these new projects. Bundi town water supply and sewerage subproject is one of the subprojects proposed under the investment component of RSTDSP – additional financing.

B. Objectives and Scope of this Report

2. The proposed Bundi water supply and wastewater subproject is not assessed to have any involuntary resettlement impacts. The main objective of the due diligence exercise is to confirm that the subproject is free of involuntary resettlement impacts such as land acquisition, physical displacement, economic displacement, adverse impact on livelihood, community properties or any other impacts, based on a review of land records, stakeholder consultations and field visits to proposed subproject locations. This document describes the findings and provides copies of relevant documents, minutes of meetings and photographs.

3. The land acquisition and resettlement due diligence was carried out for all the proposed subproject components that include: A. **Water Supply:** (i) installation of raw water pumping facilities in the existing intake well (26 MLD) at Kota barrage dam and installation of clear water pumping system in Mangali headworks (HW) and Vikas Nagar headworks(HW); (ii) construction of eight (08) million liter per day (MLD) water treatment plant at existing WTP campus, Jakhmund; (iii) one clear water reservoir (CWR) of 1200 kilo liter (KL) in Nainwa Road public health engineering department (PHED) campus; (iv) construction of one overhead service reservoir (OHSR) of 450 kiloliter capacity at Vikasnagar public health engineering department (PHED) campus; (v) transmission mains-1.194 kilometer (km) of dia ranging from 100 mm to 150 mm; (vi) 30.89 km of water distribution networks of dia ranging from 90 mm to 315 mm; (vii) refurbishment of existing pump houses, overhead service reservoirs and clear water reservoirs; (viii) house service connections - 5060 numbers; (ix) construction of one master control centre (MCC) and one consumer relation management centre(CRMC) B. **Sewerage:** (i) construction of

sewage treatment plant (STP) of 6.5 MLD in existing STP campus near Ramganj Balaji along with treated effluent elevated reservoir (TEER), treated effluent storage reservoir (TESR) and effluent pumping station (EPS); (ii) 10 km treated effluent line from STPs for reuse of dia 200 mm; (iii) procurement of two desludging equipments with 4000 and 1000 liters tank capacity for collection of faecal sludge and septage from ward 4, 5, 23, 24, 25, 27, 29, 42 and 53.

4. Due diligence involved site visits and discussions with relevant local government offices for land records, ownership details and permissions/approvals required, if any, for use of land. This was followed by a detailed public consultation to inform the public / stakeholders about the subproject components and to ascertain if there are any potential involuntary resettlement impacts. Site visits and consultations were conducted by a team comprising the technical team of detailed project report consultant, social safeguards consultant of RSTDSP and staff from the urban local body (ULB).

5. This draft due diligence report (DDR) has been prepared by assimilating the details of the preliminary project report (PPR), findings from the field visits and discussions with relevant government officials and information gathered during public consultation which is aligned with ADB's safeguards requirements. The proposed works are assessed to not involve any temporary or permanent land acquisition and involuntary resettlement impacts.

II. DESCRIPTION OF SUBPROJECT AREA

6. Bundi town is located between 25°44' N latitude and 75°06' E longitude and is approximately 32 km. from Chambal River. The total area of Bundi town is 53.97 km² comprising 60 wards. Bundi is well connected with the important cities of Rajasthan through a network of roads. The town falls on National Highway (NH) -12 at a distance of 212 km. from Jaipur and 40 km. from Kota. The population of Bundi town has increased rapidly during the past 50 years. The town had a population of 26,478 in the year 1961, while as per census 2011 the population was 1,03,286, displaying an average annual growth rate of 1.58%.

Figure 1: Location of Bundi Town



Source: District map (Government of Rajasthan portal)

III. SUBPROJECT DESCRIPTION

A. Existing Sanitation system in Bundi Town

7. Bundi town has a sewerage system that was developed under RUIDP Phase-2 and Atal Mission for Rejuvenation and Urban Transformation (AMRUT) yojana. Under RUIDP-Phase-2, 15km. sewer line, 950 numbers of house sewer connection and STP of 8 MLD capacity was executed. Under AMRUT Yojana, works of sewer network in Zones 1, 2, 3, 4, 5, 6, 8 and 9 and two STPs of 0.5 MLD capacity each in zones 8 and 9 respectively are in progress. At present, approximately 120km length of sewer line has been laid (out of total 135 km), and 6,534 households have taken house sewer connections (out of total 15,450 households). With the current house sewer connectivity, about 4.25 MLD sewage flow is being received at the existing STP of 8 MLD capacity near Ramganj Balaji. The house sewer connections are expected to increase soon after the balance sewer network of AMRUT Yojana (approximately 15 Km.) is completed, and the work of house connection is taken up in full swing. Thus, as the sewer connections grow, the sewage flow at the 8 MLD existing STP will increase to its design capacity. As per the detailed topographical survey conducted, a total of 225 km. length of sewer network is required for Bundi town. Of this, 15 km. has been laid by RUIDP phase-2 and 135 km. is in the scope of AMRUT Yojana scheme, of which 119.627 km. has already been laid. Thus, a balance of 77 km. of sewerage network is still required to be laid, which shall be laid by ULB under separate projects. Under RSTDSP, 6.5 MLD capacity STP is proposed in the same premises where 8 MLD capacity STP is currently operational. In addition, septage works will be taken up in Zone 8 and Zone 9. Details of the gap are presented below Table 1, while the existing sewerage system is presented in Figure 1.

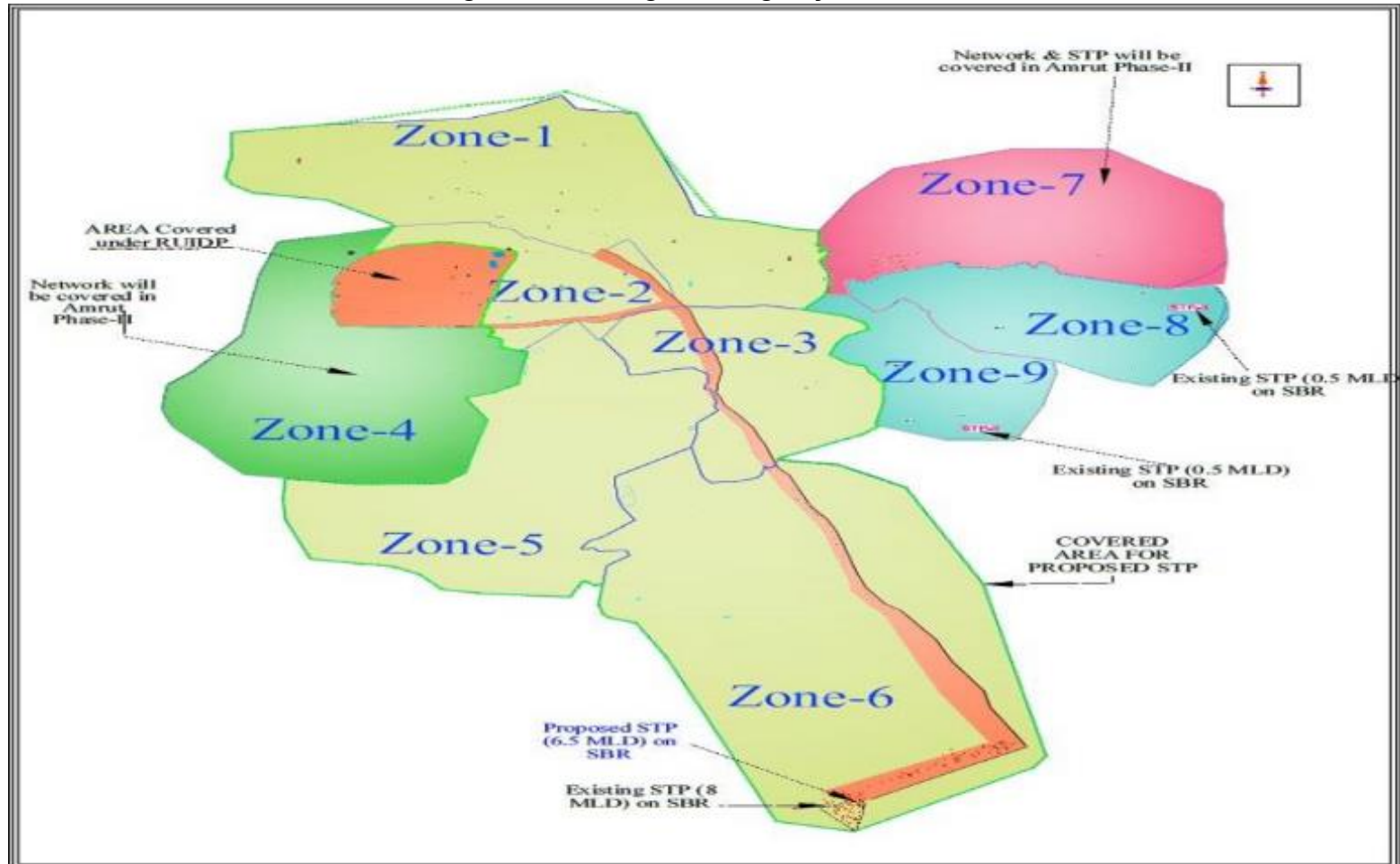
Table 1: Details of Existing Sewerage of Bundi Town

S. No.	Item	Total Requirement	Unit	Existing (Executed)	Existing (on going)	Gap	Remarks
1.	STP	17.72	MLD	8	-	9.7	STP of capacity 6.5 MLD is proposed in this sub-project. Covered zone -1,2,3, 4,5,6 & RUIDP ZONE & sewage of 3.20 MLD generated by 28136 population will be covered in FSSM.
2	STP	1.22	MLD	0.5	-	0.72	Septage is taken up for Zone-8 (Remaining work of STP will be taken in AMRUT (phase-2nd)
3	STP	1.07	MLD	0.5	-	0.57	Septage is taken up for Zone-9 (Remaining work of STP will be taken in AMRUT (phase-2nd)
4.	STP	1.75	MLD	-	-	1.75	in Zone-7, STP will be taken in AMRUT (phase-2nd)
5.	Network	225	KM	119.627 (AMRUT) + 13 (RUIDP/T R-2)	15.516	77	Gap will be fulfilled by ULB separately in AMRUT (phase-2nd)

S. No.	Item	Total Requirement	Unit	Existing (Executed)	Existing (ongoing)	Gap	Remarks
6.	House Sewer Connections	24512	Nos.	7484	8916	8112	Gap will be fulfilled by ULB separately in AMRUT (phase 2nd)

Source: Preliminary Project Report 2022.

Figure 2: Existing Sewerage System, Bundi



Source: Preliminary Project Report 2022

B. Existing Water Supply System in Bundi Town

8. The water supply of Bundi town was commissioned in the year 1954 with few open wells. Many tube wells and bore wells were installed in the city, subsequently. A few additional tube wells were installed at Mangli River. Originally, the scheme was planned to serve the town for thirty years. Under RUIDP Phase-II, a DPR was prepared for the whole town for projected population up to 2041. The water supply to Bundi town was from 20 numbers of tube wells located on the banks of Mangli River which is 9 kms from the town. In the year 2007, an anicut was constructed in the river to charge the existing tube wells and the yield from these tube wells was increased from 20,000 liters per hour to about 40,000 liters per hour. A project was designed and executed based on surface water source under Chambal-Bundi Water Supply Project (Transmission Part). The following works were executed under the above project:

Table 2: Details of Chambal-Bundi Water Supply Project under RUIDP Phase-II

S. No.	Components	Details	Date of Commissioning	Remark
1	Intake	Suction of pumps, delivery, sluice valve, NRV and other MS fabricated specials for 3 VT pumps	13 Feb. 2016	O&M of all constructed infrastructure is maintaining by executing agency and will remain continue up to date of completion of O&M with parallel of O&M under proposed scheme.
2	Pumping machinery at intake for 26 MLD	3 Nos. Pumps, 55 KW, 162 LPS, 30 m Head	13 Feb. 2016	
3	Raw water transfer main, 600 mm dia.	9900 m	13 Feb. 2016	
4	WTP of 26 MLD capacity and 2 Nos. CWRs of capacity 1500 KL	All arrangements for operation	13 Feb. 2016	
5	Pumping machinery at WTP of 26 MLD capacity and electric substation of 630 KVA	156 LPS, 34 m Head, 75 KW	13 Feb. 2016	
6	Clear water pipeline WTP to Mangli Head Works of size 600 mm dia. DI and CWR of capacity 2000 KL at Mangli	20.05 Km	13 Feb. 2016	

Source: Preliminary Project Report 2022

9. Additionally, the following components (Table 3) have been constructed under the AMRUT Yojna to strengthen the existing water supply of Bundi town:

Table 3: Details of AMRUT Scheme (Yojna) Water Supply Project of Bundi Town

S. No.	Name of the Pump House	Detail		Nos.			Year of Installation	Remark
		Type	Head M	Discharge LPS	Nos.	OHSR/CWR /Rising main		
1	Kumbha Stadium	C/F P/set	50	43.61	1+1	Chatarpura OHSR with rising main	2020	O & M of all constructed infrastructure is maintaining by executing agency and will remain continue up to date of completion of O & M with parallel of O & M under proposed scheme.
2						Chittor road OHSR with rising main	2020	
3						Nanak pura OHSR with rising main	2020	
4						Laxmi nagar OHSR with rising main	2020	
5	Bhata Vilas (AMRUT)	C/F P/set	65	52	1+1	Malipura GL (SR) Kagivara OHSR with rising main	2020	
6			35	7.15	1+1	Bangana OHSR with rising main	2020	
7			50	25.74	1+1	Malipura GL (SR) with rising main	2020	

Source: Preliminary Project Report, 2022

10. Chambal river is the main source of water supply in Bundi town. The Irrigation Authorities of Kota Barrage have already provided a certificate giving allocation of drinking water for Bundi town. Intake for Chambal-Bundi Water Supply Project is located on the left bank of Chambal River, near Sakatpura village, approximately 160.0 m upstream of Kota barrage, adjacent to the Kota Intake. The intake (4.0 m x 15.0 m) is located inside the river with a truss bridge supported on pile foundation. Water treatment plant (WTP) of 26 MLD capacity is located in Jakhmund village at a distance of about 9.9 Km from the intake.

Figure 3: Water Source (Chambal River)

11. Bundi municipal area is divided into 23 water supply zones; this zoning was done under AMRUT Scheme in 2016-2018. Pipe network and consumer connections of 5 of the total 23 zones were not replaced under the AMRUT Yojna. Therefore, replacement of the existing distribution network and consumer connections along with installation of new consumer meters has been proposed in this subproject.

C. J Subproject Components

12. The land acquisition and resettlement due diligence was carried out for all the proposed subproject components that include: **Water Supply:** (i) installation of raw water pumping in the existing intake well (26 MLD) at Kota Barrage dam and installation of clear water pumping system in Mangali headwork's(HW) and Vikas Nagar headwork's (HW); (ii) construction of eight (08) MLD water treatment plant at existing WTP campus, Jakhmund; (iii) one clear water reservoirs(CWR) of 1200 kilo liter (KL) in Nainwa Road, PHED campus; (iv) construction of one overhead service reservoir of 450 kilo liter at Vikasnagar public health engineering department (PHED) campus; (v) transmission mains-1.194 Km of dia ranging from 100 mm to 150 mm; (vi) 30.89 km of water distribution networks of dia ranging from 90 mm to 315 mm; (vii) refurbishment of existing pump houses, overhead service reservoirs and clear water reservoirs; (viii) house service connections- 5060 numbers; (ix) one master control centre (MCC) and consumer relation management centre and **Sewerage:** (i) construction of STP of 6.5 MLD in existing STP campus near Ramganj Balaji along with treated effluent elevated reservoir (TEER), treated effluent storage reservoir (TESR) and effluent pumping station (EPS); (ii) 10 Kms treated effluent line from STPs for reuse of dia 200 mm; (iii) procurement of two desludging equipments with 4000 and 1000 liters tank capacity for collection of faecal sludge and septage from ward 4, 5, 23, 24, 25, 27, 29, 42 and 53.

Table 4: Proposed Subproject Components

S. No.	Component	Location
A. Water Supply		
1	Installation of Raw water Pump and clear water pump	Raw water pumps will be installed at existing 26 MLD intake at Kota barrage and clear water pumps at Mangali headworks (HW) and Vikas Nagar headworks (HW)
2	Construction of 8 MLD water treatment plant	At the existing WTP campus, Jakhmund. Land is under the possession of Public Health Engineering Department (PHED)
3	One clear water reservoirs-1200 kl	In Nainwa Road, PHED campus
4	One overhead service reservoir of 450 kilo liter	In Vikasnagar public health engineering department (PHED) campus
5	Transmission mains	Length- 1.194 km (Dia ranging from 150 mm to 150 mm)
6	Distribution Network	Length: 30.89 Kms (Dia ranging from 90 mm to 315 mm)
7	Refurbishment of existing OHSRs, CWRs/ Pump houses	
8	House Service Connections	5060 (number) house service connections for water
9	One master control centre (MCC) and consumer relation management center (CRMC)	Land yet to be finalized for both the components
B. Sewerage		
1	One Sewage Treatment Plant	Construction of STP of 6.5 MLD in existing STP campus near Ramganj Balaji
2	Faecal sludge and septage management (FSSM) work.	Procurement of two desludging equipments with 4000 and 1000 liters tank capacity for collection of faecal sludge and septage from ward 4, 5, 23, 24, 25, 27, 29, 42 and 53
3	Pipe network of treated effluent of 10 kms of dia 200 mm	Agricultural fields are identified in and around the STP area. During execution the DBO Contractor will conduct the feasibility study of usage of treated effluent by farmers and other potential users and the alignment of treated effluent pipeline (10 Kms).

Source: Preliminary Project Report, 2022

Table 5: Details of existing pump houses (PHs) for Refurbishment

Number	Location	Size of PH (In meter)
1	Mangli headwork's (HW)	4m x 5m
2	Nainwa Road	7m X 8m

Source: Preliminary Project Report,2022

Table 6: Existing overhead service reservoirs (OHSRs) for Refurbishment

S. No.	Location	Capacity (KL)
1	KAGJIVADA GLSR (Zone 07)	450
2	MALIPARA GLSR (Zone 08)	450
3	BALCHAND PARA GLSR (Zone 09)	900
4	MODI PARA GLSR (Zone 10)	300

Source: Preliminary Project Report,2022

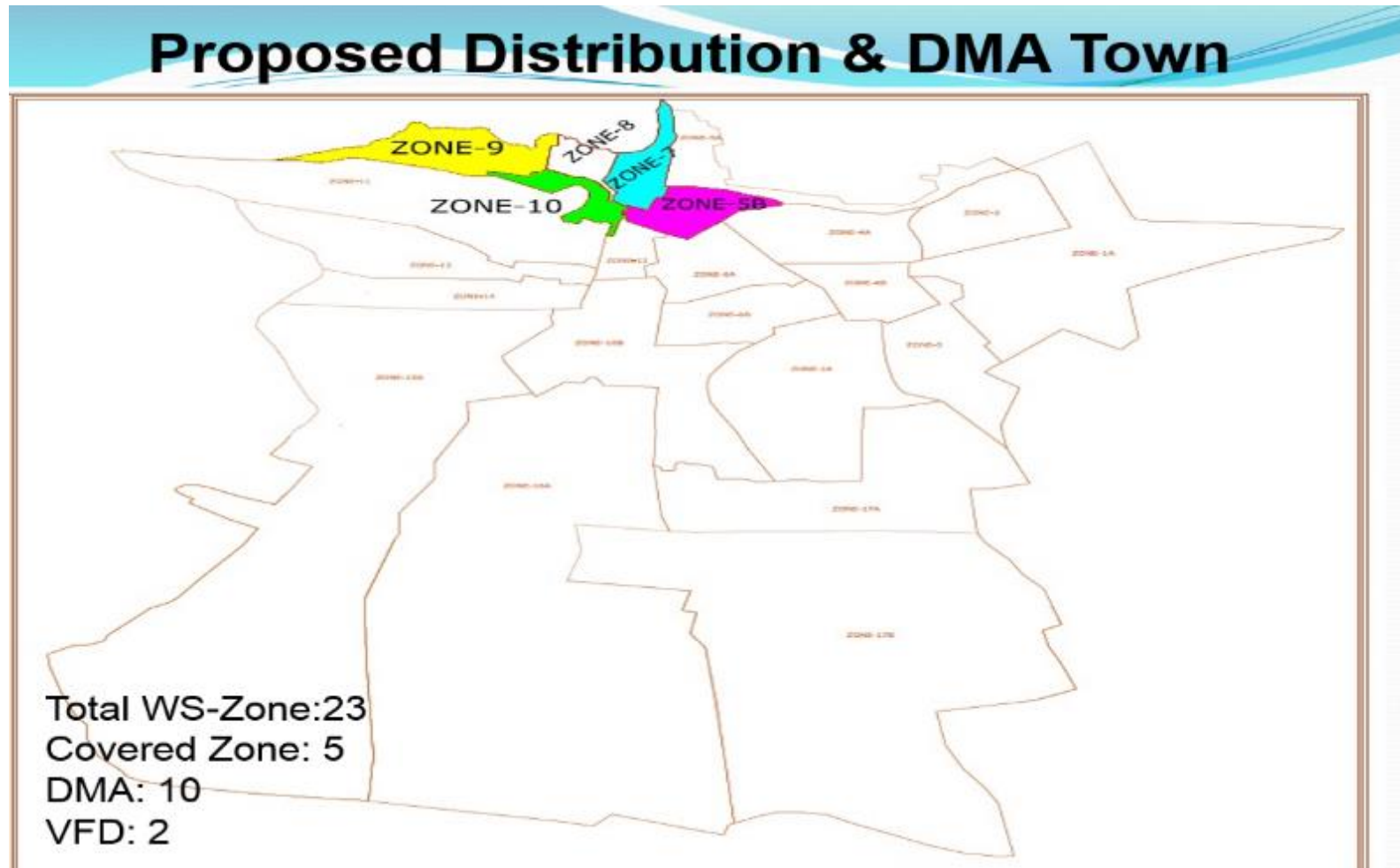
Table 7: Existing clear water reservoir (CWR) for Refurbishment

S. No	Location	Type of CWR	Capacity of CWR in Kiloliter (KL)
1	At Jakhmund	RCC CWR	3000
2	Mangli HW	RCC CWR	2800
3	Nainwa HW	RCC CWR	450
4	Vikas Nagar HW	RCC CWR	800

Source: Preliminary Project Report, 2022

13. Layout plans of proposed subproject components are provided below.

Figure 4: Drawing depicting Proposed Zone for Water Supply Distribution Network



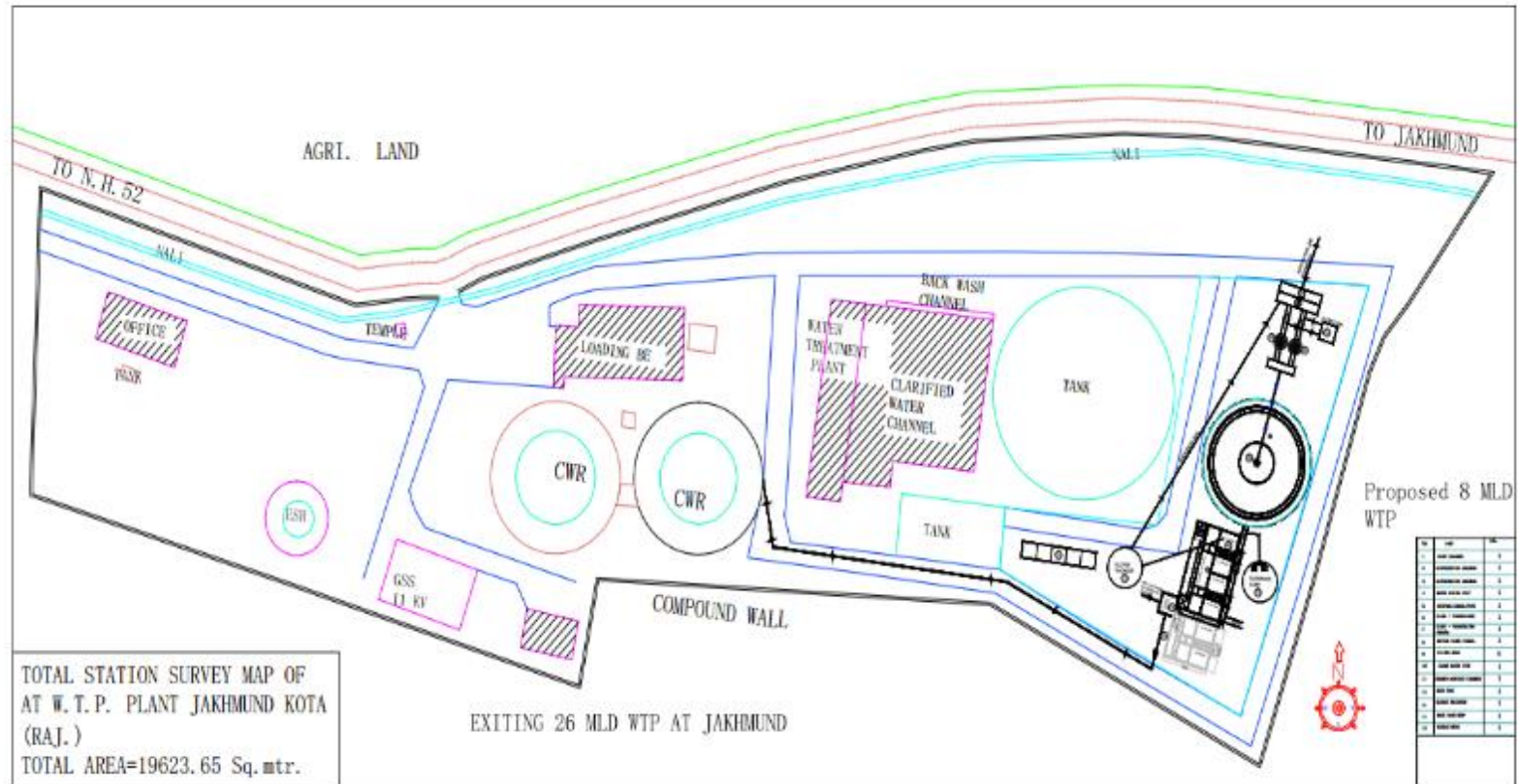
Source: Preliminary Project Report 2022

Figure 5: Water Supply Zone map-Bundi



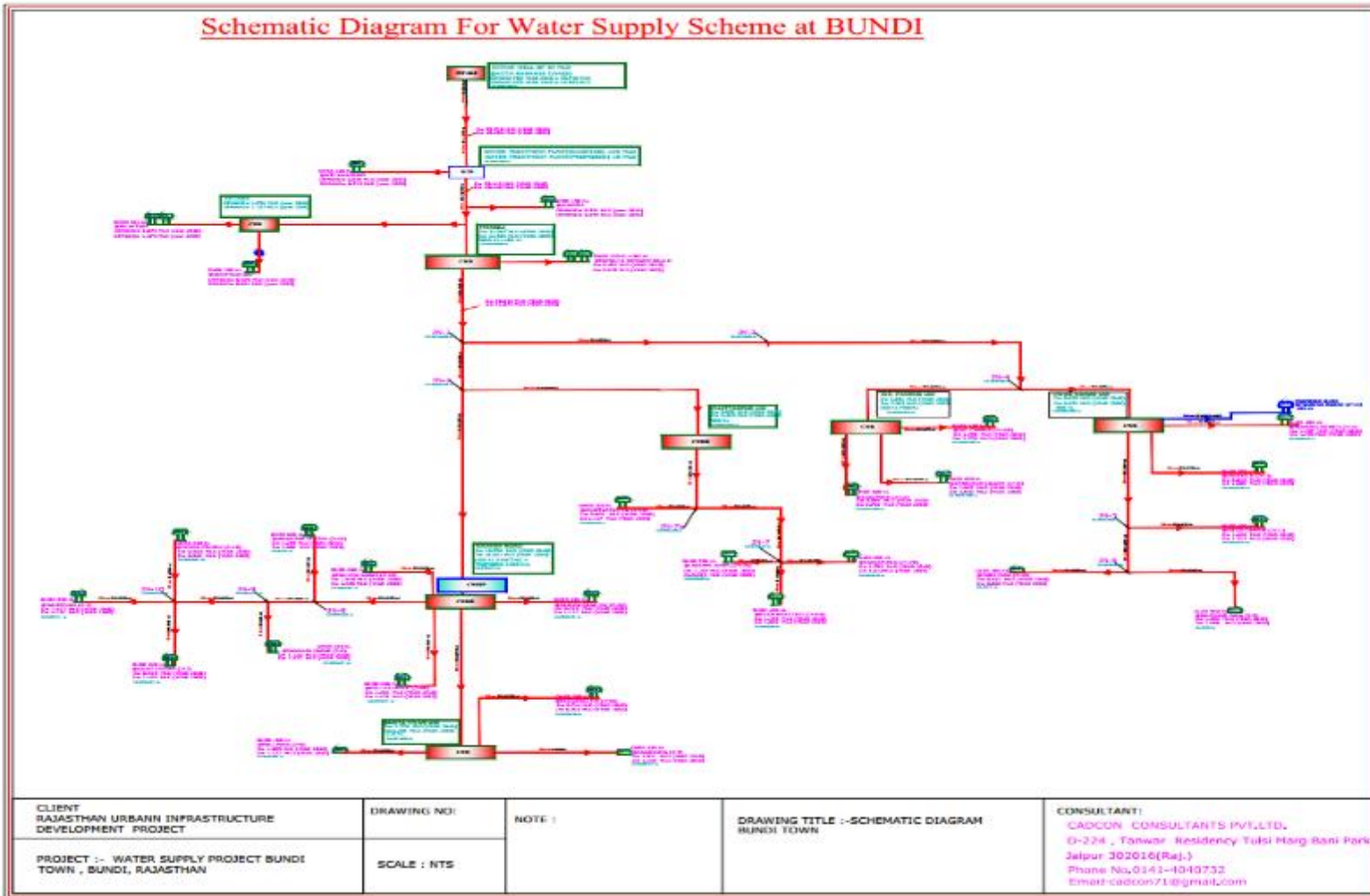
Source: Preliminary Project Report 2022

Figure 6: General Arrangement Drawing (GAD)-Water Treatment Plant



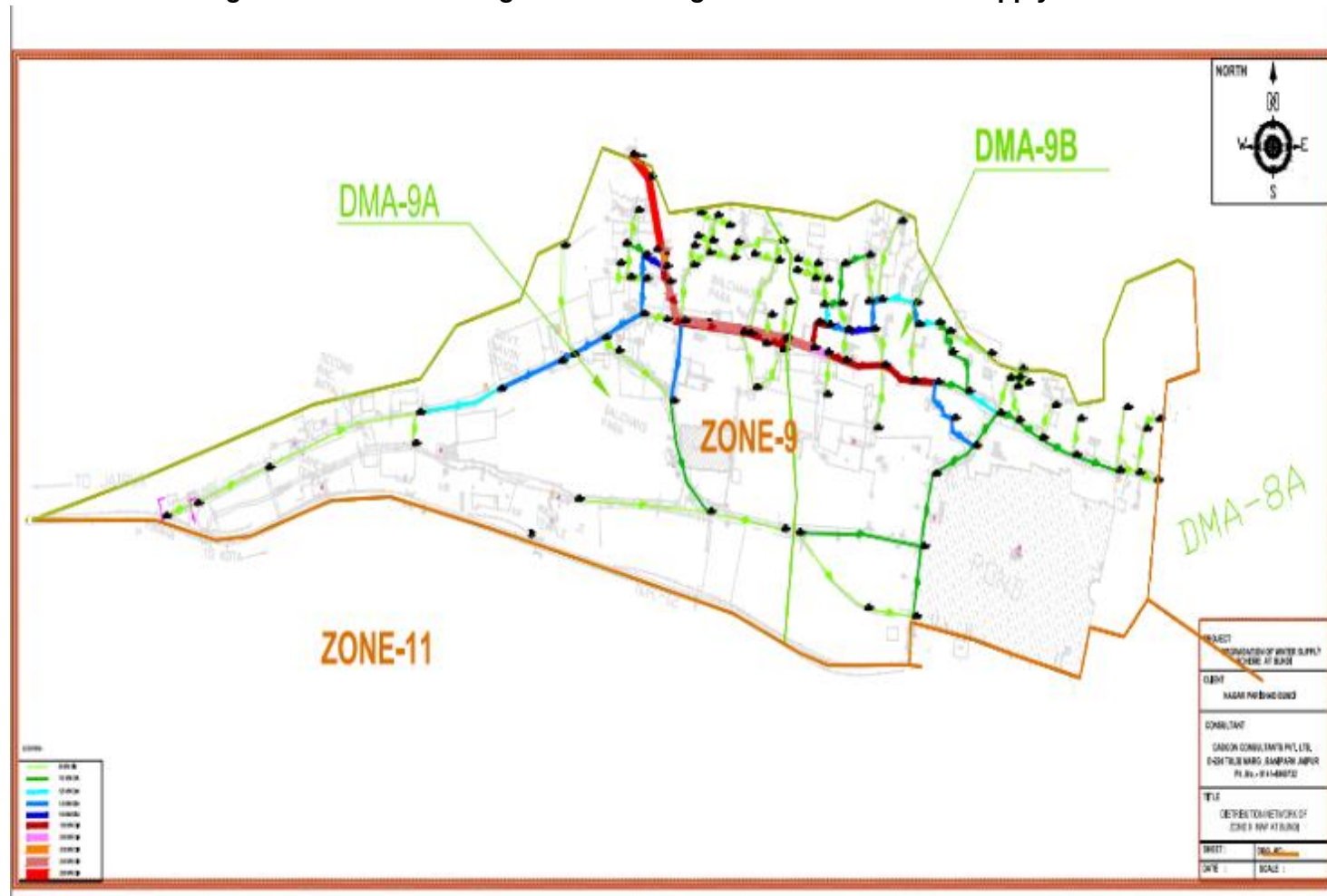
Source: Preliminary Project Report 2022

Figure 7: Schematic Diagram for Water Supply Scheme



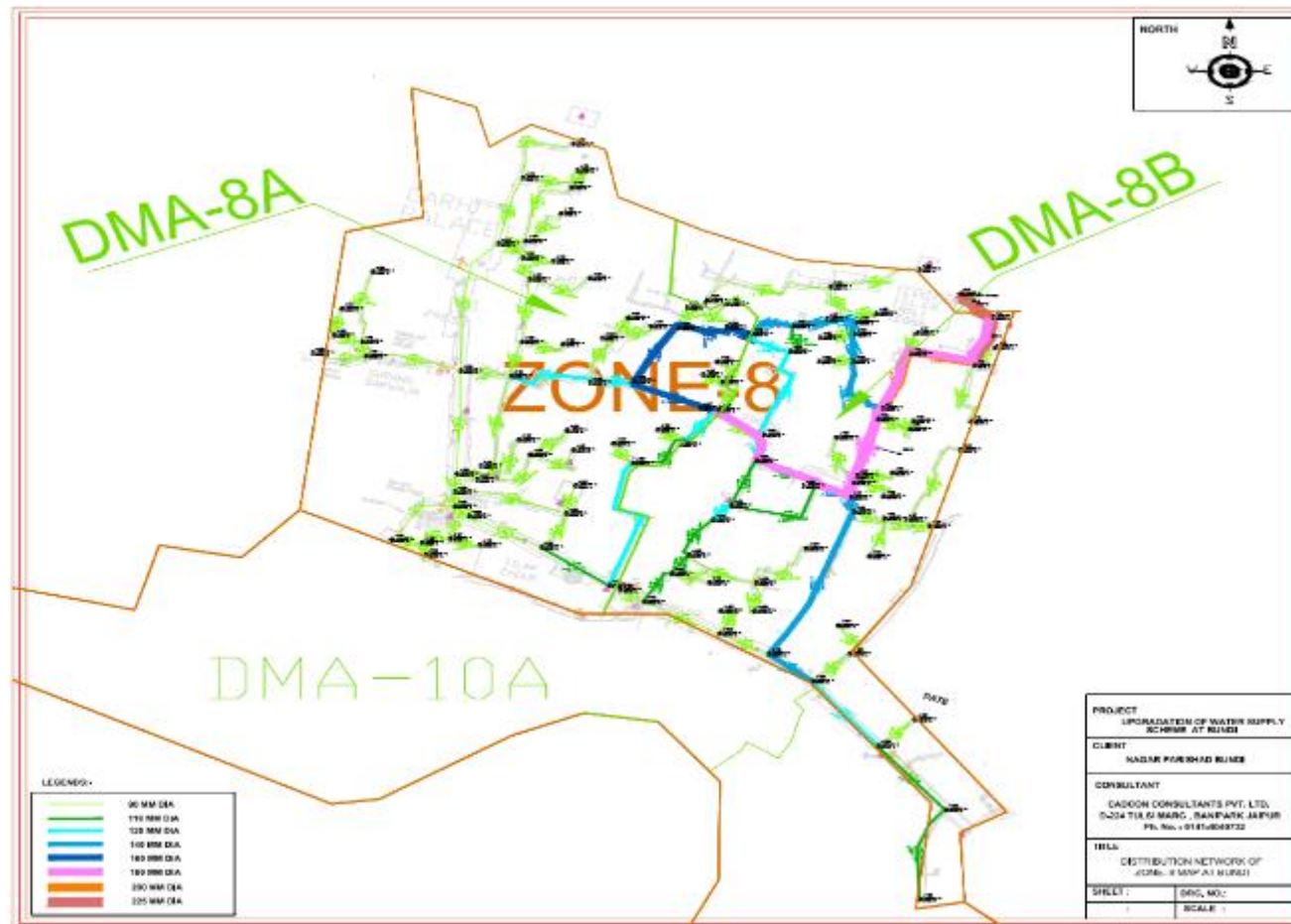
Source: Preliminary Project Report 2022

Figure 8: General Arrangement Drawing of Zone 9 for Water Supply Scheme



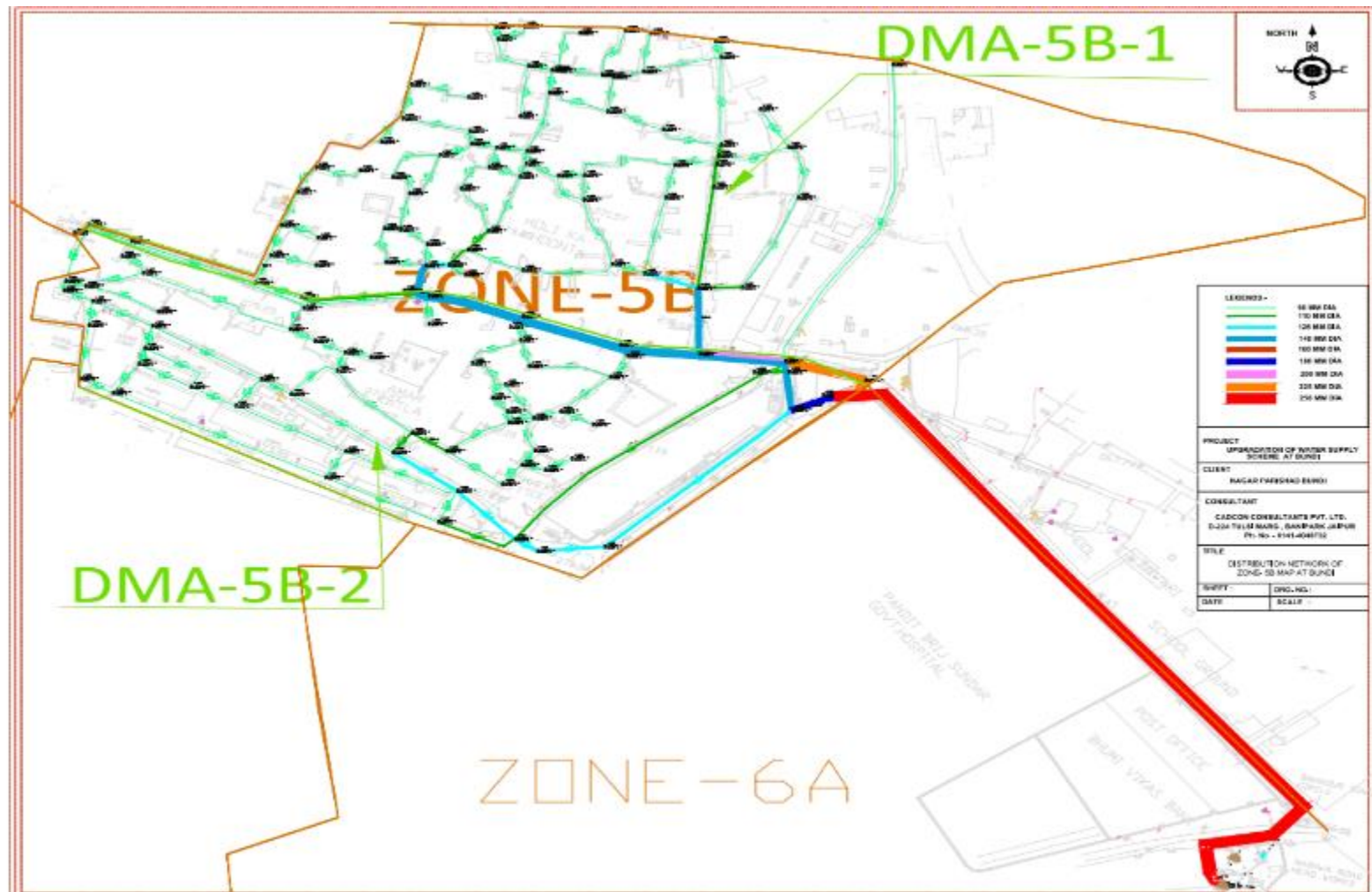
Source: Preliminary Project Report 2022

Figure 9: General Arrangement Drawing of Zone 8 for Water Supply Scheme



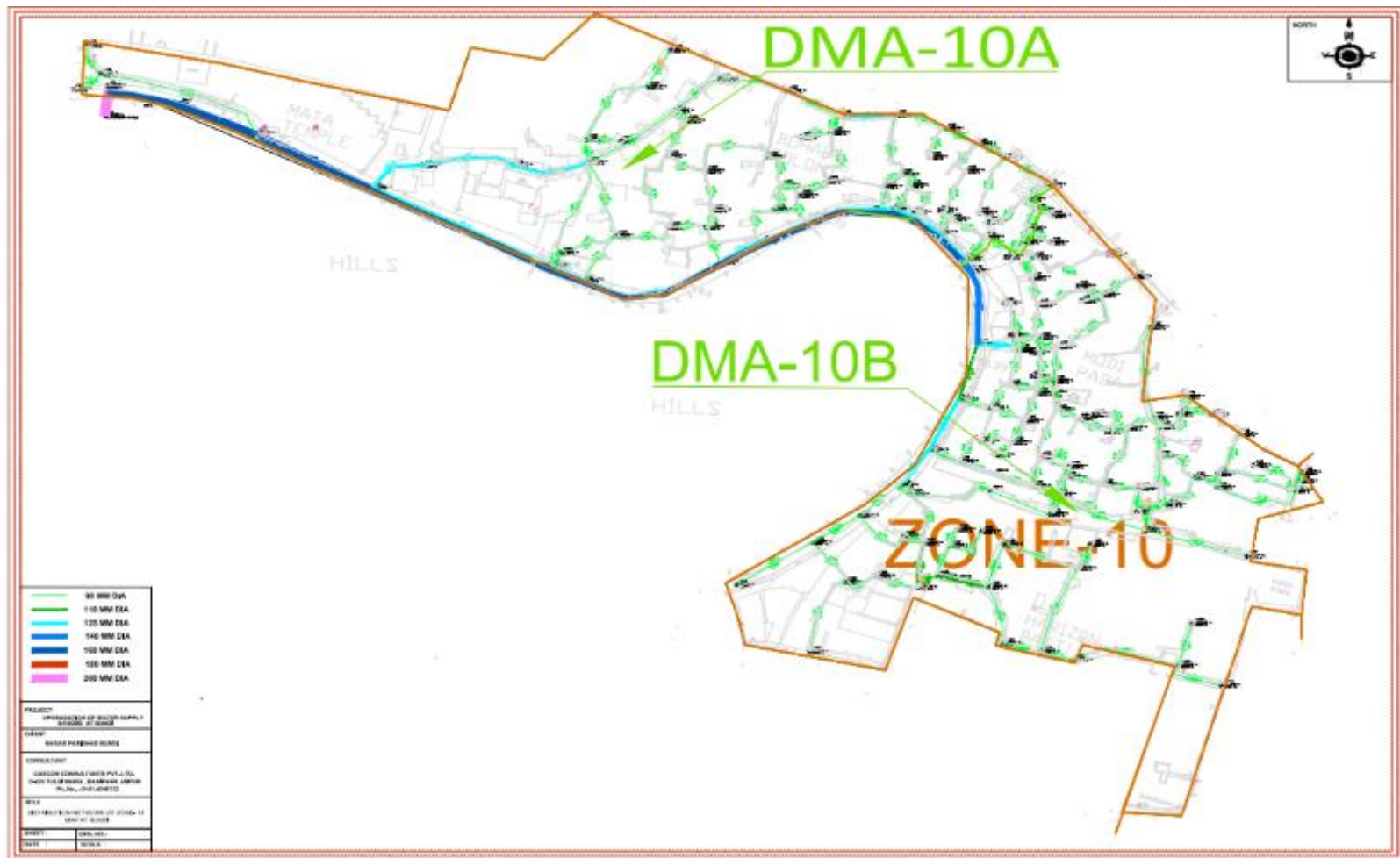
Source: Preliminary Project Report 2022

Figure 10: General Arrangement Drawing of Zone 5 B for Water Supply Scheme



Source: Preliminary Project Report 2022

Figure 11: General Arrangement Drawing of Zone 10 B for Water Supply Scheme



Source: Preliminary Project Report 2022

IV. FIELD SURVEYS AND PUBLIC CONSULTATIONS

14. Field visits and transect walks were carried out in the subproject area in March 2022. The field visit team comprised the design consultants, safeguards consultant from project management unit (PMU), and staff from urban local body (ULB) office. Field visits, transect walks and consultations were also conducted by the safeguard team of ADB's fact-finding mission in January 2023. All the proposed sewerage and water supply subproject components will be constructed within existing government-owned campuses or right of way (ROW) of government owned roads. The proposed STP will be constructed within the existing STP campus at Ramganj Balaji, which is under the possession of Nagar Parishad, Bundi, while WTP is proposed at PHED campus at Jakhmund, where one WTP is already existing and operational. The clear water reservoir (CWR) is proposed at the existing campus of PHED at Nainwa Road and overhead service reservoir is proposed at existing PHED campus at Vikasnagar. Land parcels where subproject component works are proposed is owned by Nagar Parishad, Bundi and Public Health Engineering Department (PHED). No involuntary resettlement impacts were assessed at proposed sites. A series of consultations including meetings and discussions were held with the local community and key informants to collect information for this due diligence report.

15. In addition, interviews were conducted with the officers of Nagar Parishad (urban local body), PHED, and other stakeholder agencies. Participatory methodology was used to conduct consultations in community meetings, to solicit views, concerns and suggestions on the proposed sub-project. It was informed by the local community that sullage generated from houses are directly discharged into open drains, causing an unhealthy and unhygienic environment. Consultations also included discussion over project objectives, RSTDSP implementation arrangements, grievance redress mechanism (GRM) and safeguards requirements as laid down in ADB's SPS, 2009.

16. Field visit and transect walks were carried out in the subproject area jointly by detailed project report (DPR) consultants, safeguard consultant, and staff from Nagar Parishad on 15 and 16 March 2022 for assessment and feasibility of proposed works. Confirmation of involuntary resettlement impacts was reassessed jointly by PIU, consultant of RSTDSP and safeguard consultant of ADB on 20th January 2023. Lands where works are proposed is owned by Bundi Nagar Parishad, and PHED, Bundi. No vendors/squatters or non-titled users were identified during the transect walk on the proposed land. A series of public consultations as well as meetings and discussions were held with key informants and the local community in the month of April, 2022 and January 2023 in order to collect information for this due diligence report. It was observed that people are willing to extend their cooperation as the proposed activities are proposed to enhance the infrastructure service levels and the living standard of the public. The public expressed their concern regarding the nuisance and disturbance due to present conditions of sludge and septage collection and disposal system. Community members expressed their demand for improvement in existing services in the town. The public opined that an appropriate operation and maintenance system should be in place, especially for desludging and collection system, for its best functioning and to have the maximum health and aesthetic benefits. Please refer to Appendix 1 for the documentation during public consultation. Summary of stakeholder consultation are presented in below table 8.

17. In addition, consultations were conducted with the officers of Bundi Nagar Parishad and PHED and existing water supply and sewerage facilities in the town was discussed in details. The need for land ownership details and requirement of no objection certificates for proposed WTP, CWR, and STP sites was conveyed to the officials of Nagar Parishad and PHED officials.

Table 8: Summary of Stakeholder Consultations in Bundi

S · N o	Location of consultation	Date	Participants	Female	Male
1	City Level Committee meeting	20.10.2022	11	00	11
1	Ramganj Balaji	07.04.2022	10	01	09
2	Nainwa Road, Near Post office	07.04.2022	07	00	07
3	Vikas Nagar	07.04.2022	10	00	10
4	Discussion with Municipal Council	07.04.2022	06	00	06
5	Jharvamund Area	08.04.2022	07	01	06
6	Tialk Nagar, Ward-12	08.04.2022	06	00	06
7	Nahar Ka Chowta, Ward-09	08.04.2022	11	00	11
8	Near Nainwa Road	20.01.2023	07	03	04
9	Ward No-24	23.01.2023	30	17	13
	TOTAL		105	22 (20.95 %)	83

18. During the due diligence process and preparation of the report, community consultations were held at different subproject component locations and ward level; the participants were briefed about the project objective, technical details of subproject, subproject implementation cycle, and the project benefits. Participants were happy with proposed water supply improvement works and expressed their willingness to pay for improved quality of water services. In addition to that meeting with elected representatives, local government and relevant government agency representatives; was also undertaken and requirement of lands, grievances mechanism for proposed subproject etc. was discussed. Details of consultation, photographs and attendance sheet is attached in Appendix 1. During fact finding mission of ADB, ADB team also consulted with different stakeholders and their feedback about the proposed water supply was taken. A City Level Committee (CLC) meeting was undertaken on 20 October 2021 presided over by the District Collector, Bundi, and feedback and concerns of the stakeholders were taken into consideration for finalization of design and scope of works. The project was agreed by the committee for further course of action by RUDSICO-EAP. Details of CLC meeting, minutes and photographs are attached in **Appendix 2**.

19. Community engagement, public consultations and disclosure will be an ongoing exercise through the entire subproject planning and implementation phase. An indicative list of consultations (types) to be conducted in future and its schedule is presented in the table below. Progress achievements in this respect will be reported in the semi-annual social monitoring reports by the PMU.

Table 9: Schedule of Consultation and Disclosure Activities (to be reported in SSMR)

Activities	Target Group	Responsible Agency	Timeline
Awareness generation about the project activities	Key stakeholder agencies (ULB, stakeholder department/offices such as PHED, elected representatives)	PIU/CAPC/CMSC/contractor with PMU/PMCBC inputs and support	During detailed design, prior to start of construction, and continuously, during construction

Activities	Target Group	Responsible Agency	Timeline
Disclosure of construction schedule, potential temporary disturbances and GRM	Beneficiaries (site-specific consultations)	PIU/contractor/CAPC/CMSC	During construction
Town wide stakeholder consultations	Dissemination of project related technical and other information to representatives of all key stakeholders (at one platform), disclosure of summary of social safeguard documents in local languages, proposed connection charges and tariffs, roles and responsibilities of stakeholders.	PIU/CAPC/CMSC/contractor with PMU/PMCBC support	Once a year during project implementation cycle

V. LAND AVAILABILITY AND RESETTLEMENT IMPACTS

20. The scope of land acquisition and involuntary resettlement impacts of the proposed components including existing facilities proposed to be refurbished has been identified based on the field visits and transect walks. No impacts on private land, structures and livelihood is anticipated, work is proposed on available government lands. Due diligence/ field visits were conducted by a team including detailed project report (DPR) consultants, safeguard consultant, and officials from Nagar Parishad and PHED for assessment and feasibility of proposed works. Field visits, transect walks and consultations were also conducted by the safeguard team of ADB's fact-finding mission. During the site visits and ground verification conducted, it was confirmed that the construction of Water Treatment Plant, clear water reservoir, overhead service reservoir and sewerage treatment plant will not involve any land acquisition and resettlement impact, including livelihood impacts of titled and non-titled households. Result of the screening and assessment is provided below:

1. Water supply

21. **Installation of Raw Water Pumping in the existing Intake Well (26 MLD) at Kota barrage Dam, Installation of Clear Water Pumping System in Mangali headworks and Vikas Nagar headworks, Construction of Water Treatment Plant, One Clear Water Reservoir, one overhead service reservoir and One Master Control Centre (MCC) and consumer relation management center (CRMC):** No land acquisition is envisaged for the proposed subproject components. Raw water pumping system will be installed in the existing intake at Kota barrage, which is under the possession of Water Resources Department (WRD). No objection of WRD will be obtained and same will be appended in updated DDR before start of construction work. Clear water pumping system will be installed at Mangali headworks and Vikas Nagar headworks, which are under the possession of Public Health Engineering Department (PHED). Water treatment plant is proposed at existing WTP campus at Jakhmund, which is under the possession of PHED. (details are discussed in the succeeding paragraphs). Clear water reservoir (CWR) of 1200 kilo liter (KL) will be constructed in Nainwa Road PHED campus and overhead service reservoir of 450 kilo liter will be constructed in the Vikasnagar PHED campus premises. The proposed land parcels required for water supply component are under the possession of Public Health and Engineering Department's (PHED). Summary of the

status of land availability, ownership, dimensions and photographs etc. is attached in Table 10. No objection certification (NOC) of PHED is attached in **Appendix 3**. Lands for Master Control Centre (MCC) and consumer relation management center (CRMC) are yet to be finalized. Vacant and unused government land will be identified and made available for the said works. Due diligence will be undertaken once the lands for the proposed MCC and CRMC will be finalized and DDR will be updated accordingly.

Table 10: Details of the proposed Raw Water Reservoirs and Clear Water Reservoir

S. No.	Description	Location	Required Area in m ²	Total Land Area Available (in m ²)	Ownership/ Possession
Water Supply					
1.	Water Treatment Plant- 8 MLD	existing WTP campus at Jakhmund	4000	10000	PHED
2.	Proposed clear water reservoirs (CWRs) - 1200 kilo liter	Existing PHED Campus Nainwa Road	900	1500	PHED
3.	Proposed overhead service reservoirs (CWRs) -450 kilo liter	Existing PHED Campus Vikasnagar	400	3000	PHED

Source: Preliminary Project Report, Bundi, February 2022 and site visit and transect walk on the said locations

22. Installation of Pump at existing Intake Well at Kota Barrage. Since the barrage (reservoir) is very deep and always remains full, construction of conventional Wet Well Intake is difficult. An Intake of 26 MLD for Bundi Water Supply Project is located on the left bank of Chambal River, near Sakatpura village, approximately 160.0 m upstream of Kota Barrage, adjacent to Kota Intake. The Intake (4 m x 15 m) is located inside the river with truss bridge supported on pile foundation. Additional pumping machinery would be proposed at existing intake well for extended 8 MLD water demand.

Figure 12: Location of Existing Intake Well

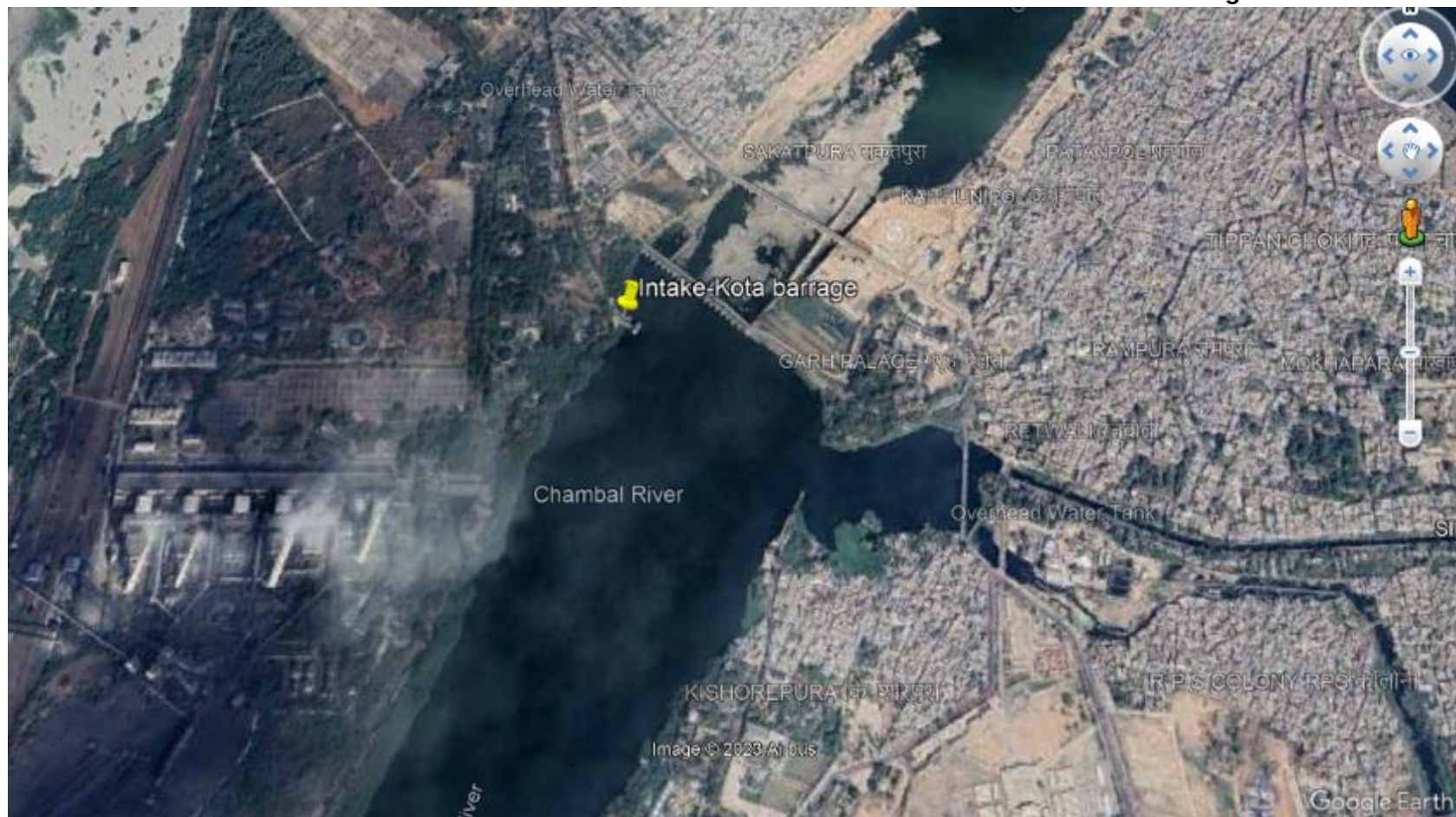


Source: Project Management Unit (PMU) and Design Consultants

Figure 13: Location of existing intake-kota barrage marked on google map

Latitude 25.176242N

Longitude 75.823978"E



Source: Project Management Unit (PMU) and Design Consultants

23. **Water Treatment Plant.** An 8 MLD water treatment plant has been proposed at Jakhmund. The capacity of filter plant has been designed as per availability of raw water from Kota Barrage. The raw water will be treated in 8 MLD filter plant to be constructed for this project at existing 26 MLD WTP at Jakhmund Head Works.

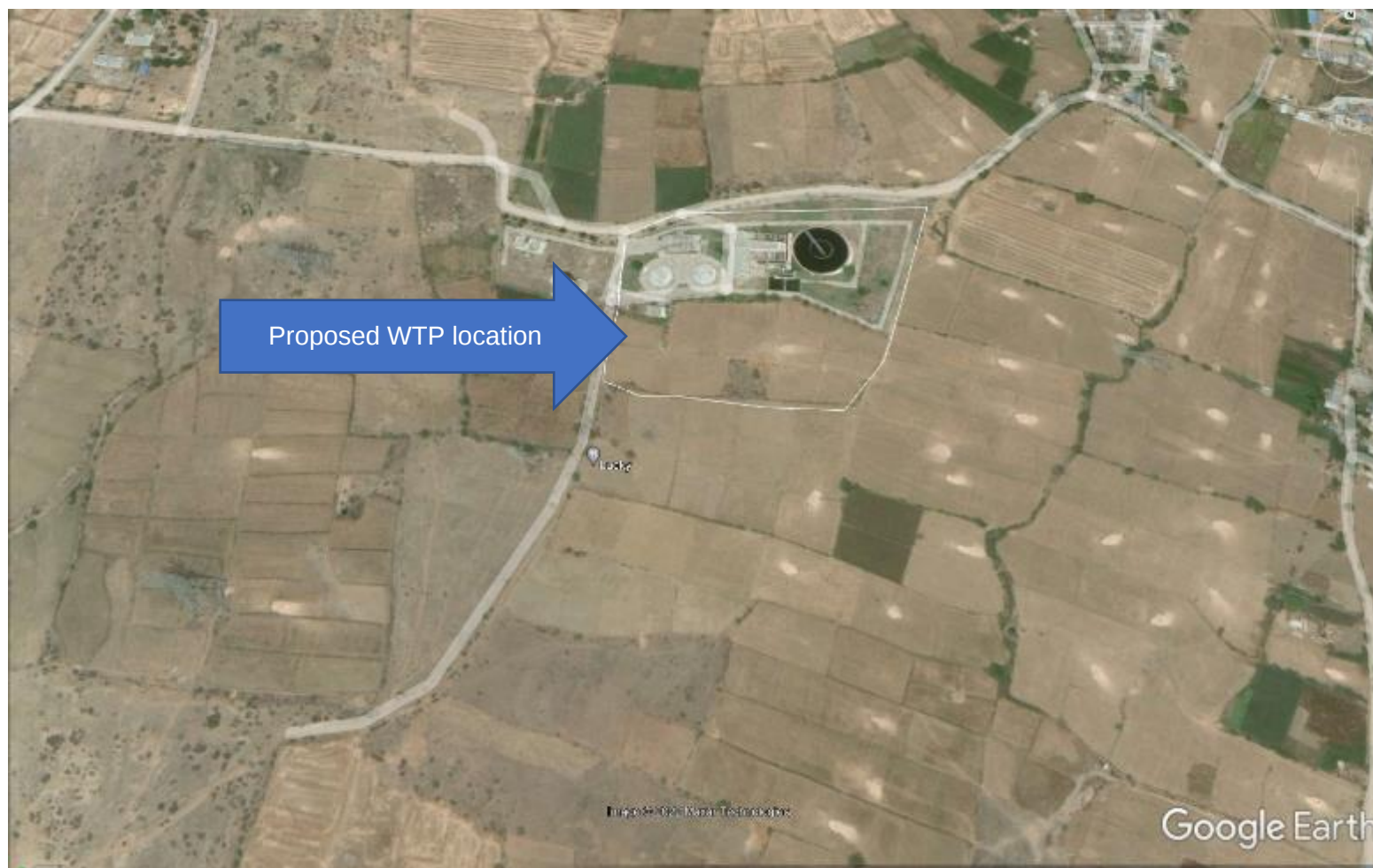
Figure 14: Site Photographs-Proposed WTP



Figure 15: Location of Proposed WTP marked on google map

Latitude 25°13.'50.88"N

Longitude 75°46'11.27"E



Source: Project Management Unit (PMU) and Design Consultants

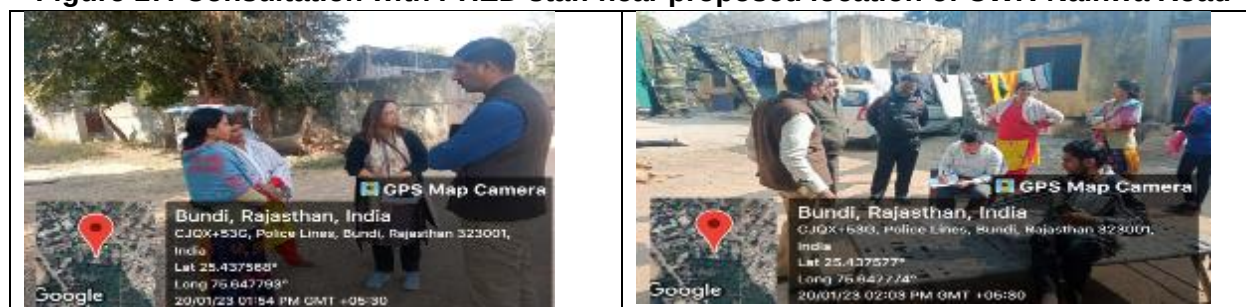
24. **Clear Water Reservoir (CWR).** There is an existing CWR of 625 kiloliter capacity at Nainwa Road Pumping Station. Demand analysis shows a deficit of 1199 KL CWR capacity for the year 2055; hence, a new CWR of 1200 kiloliter capacity has been proposed.

Figure 16: Proposed location of CWR-Nainwa Road



25. In the existing clear water reservoir premises at Nainwa road, vacant and unused land, under the ownership of public health engineering department (PHED), is available for the construction of proposed clear water reservoir of 1200 kilo liter capacity. If required, adjacent, vacant and unused land of PHED staff quarter will also be available for the proposed CWR. In the adjacent land, there are existing staff quarters of PHED around the proposed site, where four staff of PHED reside with their respective families. As per the layout plan in the preliminary detailed project report (DPR), no impacts (including access disruptions) are anticipated to the residents of staff quarters. Consultation with PHED staff living in quarters was held and they have no-objection to the proposed work. During implementation, hard barricading will be installed around the site and proper access to the staff quarters will be ensured for the staff and their family members. Measures to control dust and noise pollution will be taken care by contractor as per the environmental management plan (EMP).

Figure 17: Consultation with PHED staff near proposed location of CWR-Nainwa Road



Rajasthan Secondary Towns Development Sector Project (RSTDSP)
RUIDP Phase-IV
Public Consultation Sheet

Place Hainawa Rd, P.H.E.D Date _____

Topic/Issue Access road should not be blocked during the time for the construction of school bus stop community hall

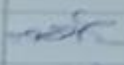
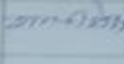
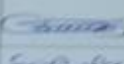
S. no	Name	Gender		Occupation	Mobile no.	Signature
		Male	Female			
①	Chandra Shekar	✓		A.D.O. P.H.E.D	940284 6035	
②	Ram Mohan Nandani	✓		Pump operator	992817 1573	
③	Abdul Kadir	✓		Electrician	998235 5320	
④	Dinesh Meena		✓	A.D.O. P.H.E.D	980417 28744	

Figure 18: Location of Proposed CWR marked on google map

Latitude 25.437556°N

Longitude 75°647862E



Source: Project Management Unit (PMU) and Design Consultants

26. **Overhead service reservoir.** There is an existing clear water reservoir of 800 kiloliter capacity at PHED campus, Vikasnagar. Within these premises, another 450 kiloliter overhead service reservoir is proposed on vacant and unused land.

Figure 19: Photographs of Proposed OHSR



Figure 20: Location of Proposed OHSR marked on google map

Latitude 25.436655 N°

Longitude 75°630124 E



2. Sewerage

27. **Construction of Sewage Treatment Plant (STP), Treated Effluent Elevated Reservoir (TEER), Treated Effluent Storage Reservoir (TESR) and Effluent Pumping Station (EPS):** Land acquisition and involuntary resettlement impacts are not envisaged for construction of any of the proposed subproject components. The sewage treatment plant (STP) of 6.5 MLD capacity along with treated effluent elevated reservoir (TEER) and treated effluent storage reservoir (TESR) are proposed within the existing STP campus near Ramganj Balaji. Sufficient vacant and unused land is available in the existing campus for the construction of new STP. Summary of land availability, ownership status, dimensions and photographs is provided in Table. 15 and Google map of proposed STP is shown in Figure 17. Confirmation for the same is obtained from Nagar Parishad, Bundi, attached in **Appendix 4**. Collector order for transfer of government land to ULB for construction of STP under RUIDP-Phase-2 is attached in **Appendix 5**.

Figure 21: Photographs of Proposed STP



28. **Pipe network of treated effluent of 10 km:** Agricultural fields are identified in and around the STP area. During execution, DBO Contractor will conduct the feasibility of usage of treated effluent by farmers or other potential users and alignment of treated effluent pipeline (10 km). The proposed alignment of treated effluent pipeline will be designed within the right of way of existing roads which are under the ownership of Nagar Parishad-Bundi. Impact assessment will be undertaken during detailed design stage and will be recorded in the updated social safeguards document for the package and submitted to ADB for review and clearance.

29. Under FSSM, desludging of septage from household pits / septic tanks will be undertaken and septage will be disposed in a designated unit in the sewage treatment plant. Prior notice will be given to the household on the date and time of desludging. The desludging machine will be kept at a suitable place which would not hamper or impact normal activity of the community members or pedestrians. The truck will be kept in the proposed STP campus for which land has already been allotted. Ward numbers considered for faecal sludge and septage management (FSSM) are presented in the table below. The drawing of proposed coverage areas is shown in Figure 18.

Table 11: Details of Wards Proposed under Septage Management Component (10 Year O&M)

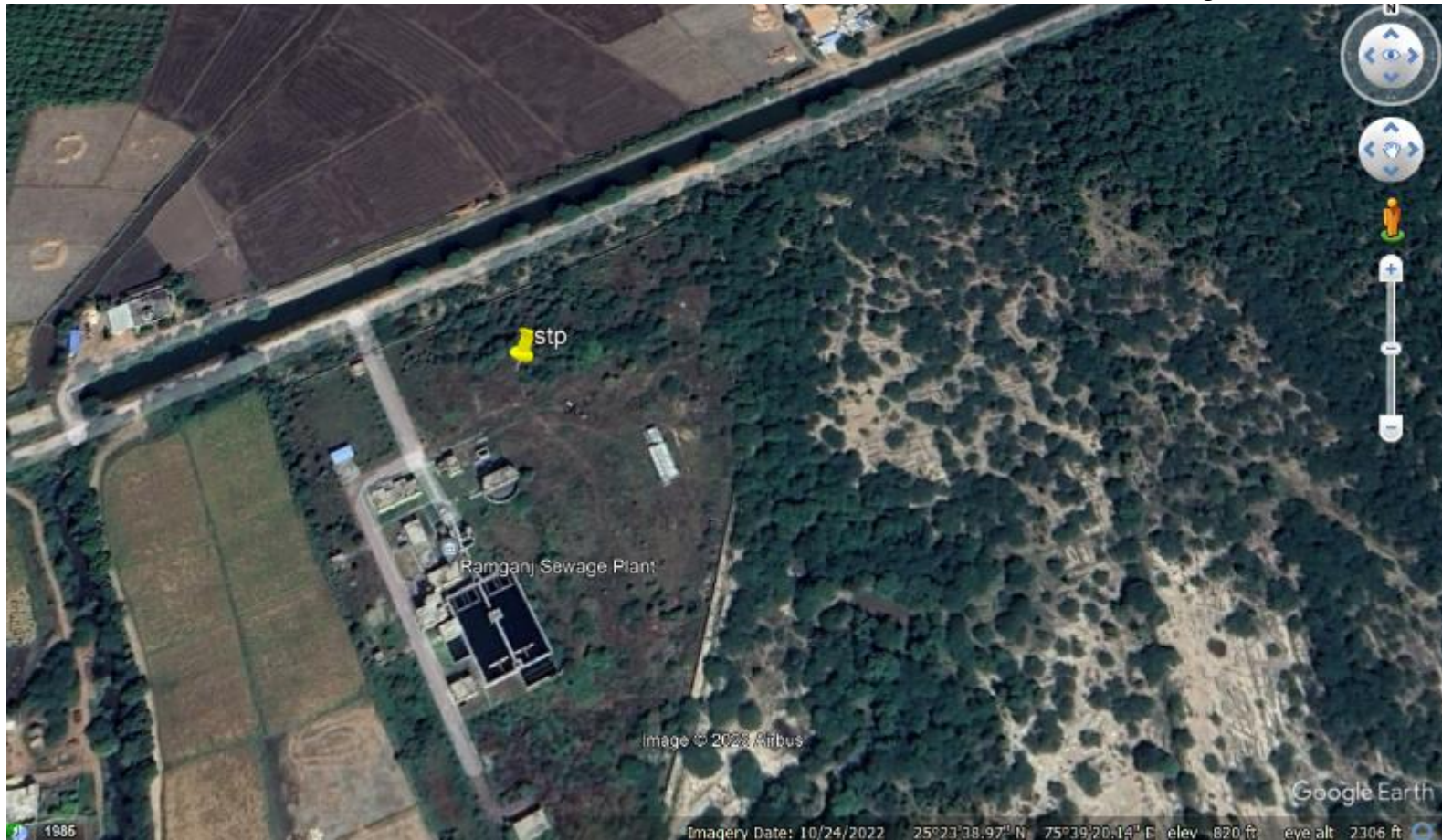
Ward No.	Total Area	Habitat ed Area*	WARD %	Census Population	Total Projected Population			FSM COVERED POPULATION		
	Ha.			2011	2025	2040	2055	2025	2040	2055
WARD-4	42.95	38.23	100.00	1275	2417	4071	6355	0	1654	3938
WARD-5	1104.02	504.02	100.00	3910	8621	15444	24866	0	6823	16245
WARD-23	47.60	47.60	100.00	1050	2763	5244	8670	0	2481	5907
WARD-24	85.09	60.09	100.00	1789	3045	4865	7377	0	1820	4332
WARD-25	497.33	247.33	100.00	1762	7145	14944	25711	0	7799	18566
WARD-27	78.27	43.27	100.00	1300	2556	4376	6888	0	1820	4332
WARD-29	28.17	28.17	100.00	1276	2113	3327	5001	0	1214	2888
WARD-42	204.03	134.03	88.00	1676	4026	7721	12823	0	3695	8797
WARD-53	24.94	21.86	70.00	995	1270	2099	3247	0	830	1978
Total:	587.95	178.66	409.29	5827	9558	12652	14813	0	28136	66983

Source: Preliminary Project Report 2022

Figure 22: Location of Sewage Treatment Plant marked on google map

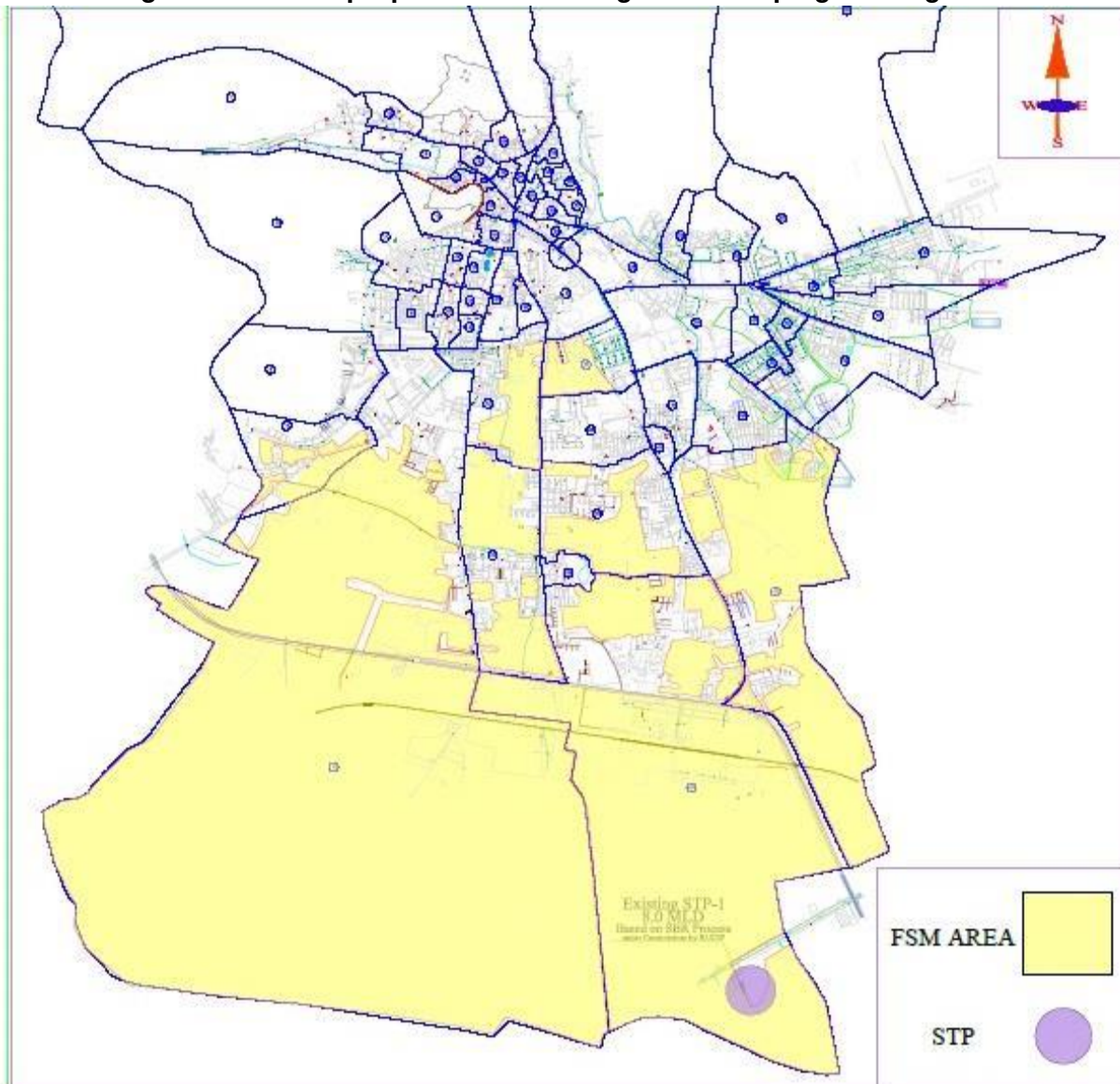
Latitude 25.394086 N"

Longitude 75°655503 E



Source: Project Management Unit (PMU) and Design Consultants

Figure 23: Wards proposed for Coverage under Septage Management



Note: The yellow colored hatching depicts the wards proposed for coverage under the septage management component.

Source: Preliminary Project Report 2022

3. Pipeline works

30. No pipeline works are proposed under sewerage scheme except for treated effluent pipeline for 10 km of 200 mm diameter. A transmission main (1.194 Km) of dia 100 mm to 150 mm and distribution network (30.884 km.) of dia 90 mm to 315 mm are proposed under the water supply scheme.

31. Transmission main of dia100 mm to 150 mm will be laid within the boundaries of right of way (RoW) of government roads under the ownership of Bundi Nagar Parishad. No commercial establishments are identified in the stretches where transmission main is proposed. The details of the roads proposed for laying the transmission main/Pumping main are provided in Table 12.

Table 12: Details of Proposed Transmission Main

S. No.	Size of Pipeline	Length of Pipeline (M)	Road width (in mtr)	Trench width (in mtr)	Photographs
1	150 mm DI K-9	1194.00	8-10	0.45	
	TOTAL	1194.00			

Source: Project Management Unit (PMU) and Design Consultants

32. Water supply pipelines were laid in Bundi town under RUIDP-Phase-II and AMRUT Yojana. Out of 23 zones, 18 zones have been provided with new distribution pipelines and 5 zones remain to be covered, which are considered under RSTDSP – additional financing. Each of the five remaining zones, namely Zones 5B, 7, 8, 9 and 10 have been divided into two numbers of DMAs. The DMAs will comprise a DMA flow meter, valve and actuator, step valves, circulatory valves, two numbers of scour valves, two numbers of Critical Pressure Monitoring Points (CMPs), and pressure reducing valves, where required. Details of the DMAs are presented in Table 13 and Table 14.

Table 13: Population details Zone wise

S. NO.	ZONE	DMA	POPULATION		
			2025	2040	2055
1	ZONE-5B	DMA-5B1	5211	5787	6591
2		DMA-5B2	1916	2274	2768
3	ZONE-7	DMA-7A	2069	2356	2746
4		DMA-7B	3596	4385	5471
5	ZONE-8	DMA-8A	2087	2382	2788
6		DMA-8B	3919	4251	4709
7	ZONE-9	DMA-9A	4288	4790	5484
8		DMA-9B	6848	7284	7872

S. NO.	ZONE	DMA	POPULATION		
			2025	2040	2055
9	ZONE-10	DMA-10A	2098	2456	2947
10		DMA-10B	1886	2134	2473
TOTAL			33918	38099	43849

Source: Preliminary Project Report 2022

Table 14: Zone-wise Pipeline Diameter Details

DIA	ID	ZONE-5B	ZONE-7	ZONE-8	ZONE-9	ZONE-10	TOTAL
90 MM	81.1	5352.7	5147.5	2630.1	2849.9	4729.4	20709.6
110 MM	99.3	643.3	669.0	480.7	999.3	219.3	3011.6
125 MM	112.8	419.8	513.4	417.0	268.8	783.2	2402.2
140 MM	126.3	0.0	68.6	336.2	535.7	70.3	1010.8
160 MM	144.4	602.4	111.5	155.6	68.7	834.8	1773.0
180 MM	162.5	32.9	319.1	373.4	418.8	0.0	1144.2
200 MM	180.6	60.2	21.1	86.8	26.9	20.0	215.0
225 MM	203.1	86.2	68.6	61.6	20.2	0.0	236.6
250 MM	225.8	0.0	0.0	0.0	274.5	0.0	274.5
280 MM	252.9	0.0	0.0	0.0	107.4	0.0	107.4
TOTAL		7197.5	6918.8	4541.4	5570.2	6656.906	30884.81

Source: Preliminary Project Report 2022

33. Water supply pipelines will be laid in the vacant rights of way of roads (refer Figure 20 for photographs of sample roads where pipes of main dia will be laid) which belong to the government (Bundi Nagar Parishad). No involuntary resettlement impacts including impacts on structures and livelihoods of the people are anticipated. Transect walk was carried out in all roads in the subproject area to assess if existing available ROW of government roads is sufficient to avoid involuntary resettlement impacts. Site visits confirm that there will be no loss of structure including common property resources (CPRs). No involuntary resettlement impact such as loss of livelihood (temporary or permanent, full or partial) is anticipated under the subproject.

Figure 24: Photographs of roads where main pipes are proposed

Name of Area- Ward 31-37, Meera Gate to Chota Bazar Road width- 6-8 m Pipe Diameter- 252.9 mm Trench Width- 0.55 m	 Bundi, Rajasthan, India CJRV+XP2, Teerath, Bundi, Rajasthan 323001, India Lat 25.442448° Long 75.644178° 08/04/22 02:30 PM
Name of Area- Brhampuri-choti mazid, Ward -36 Road width- 4 -6 m Pipe Diameter- 225 mm Pipe Material- HDPE Trench Width- 0.52 m	 Bundi, Rajasthan, India 200/T, Road, Teerath, Bundi, Rajasthan 323001, India Lat 25.444502° Long 75.644357° 08/04/22 02:30 PM  Bundi, Rajasthan, India 718, Road, Teerath, Bundi, Rajasthan 323001, India Lat 25.44103° Long 75.642332° 08/04/22 02:30 PM
Name of Area- Kagji Devra – Sodya Pada Ward no. 34-35 56-58-59 Road width- 3 -6m Pipe Diameter- 203 mm Pipe Material- HDPE Trench Width- 0.5 m	 Bundi, Rajasthan, India 200/T, Road, Teerath, Bundi, Rajasthan 323001, India Lat 25.644531° Long 75.644531° 08/04/22 02:30 PM  Bundi, Rajasthan, India 718, Road, Teerath, Bundi, Rajasthan 323001, India Lat 25.642422° Long 75.642422° 08/04/22 02:38 PM

Name of Area- Mallasha ka Mandir, Ward no.59 Pipe Diameter- 203 mm Pipe Material- HDPE Trench Width- 0.54 m		
Name of Area- Kale Mahlo Ki Gali, Ward No. 58 Pipe Diameter- 203 mm Pipe Material- HDPE Trench Width-0.5 m		
Name of Area- Seth Ji Ka Chock, Ward No.-58 Pipe Diameter- 203 mm Pipe Material- HDPE Trench Width-0.5 m		
Name of Area- Sotya Pada Ward -59 Pipe Diameter- 180 mm Pipe Material- HDPE Trench Width 0.4 m		

Source: Transect walk April 2022. Project Management Unit (PMU), Design Consultants and Nagar Parishad Engineers

34. Impact on traffic is anticipated to be minimal as pipe laying is proposed in settlements with low traffic load. The pipe laying and alternate traffic routing will be assessed in advance and the contractor will provide signages as per site-specific requirement. The contractor will also ensure

access to residences, particularly those in the narrow streets using walkways (with handrails, or as identified in the EMP requirements) where required and limit open excavation beyond to a road length of 500 m at a time. Excavated roads will be filled back within the stipulated timeline. Construction contracts will include the above provisions.

35. To further minimize construction impacts, work will be executed during the early morning in order to avoid inconveniences to public and business activities. All safety norms will be strictly followed and the Project Implementation Unit (PIU) will also ensure that required compliances are observed by the contractor. Construction schedule will consider business hours, festival time, and special business days, based on discussion with market committee members and local residents. After completion of pipe laying, the lane/road will be restored to its original condition (including bitumen, cement concrete (CC) and CC interlocking tiles as applicable).

Table 15: Details of land availability, ownership, and status of No Objection Certificate (NOC) for proposed sites

Project Component	Location	Ownership	Area Required (location (m ²))	Area of government land available at the location (m ²)	Khasra No. and land measurement	NOC Status	Photo of Land
A. Water Supply							
Installation of Raw water Pump	Kota Barrage	WRD				No objection will be obtained from WRD and same will be appended in the updated DDR.	
Installation of clear water Pump	Mangali headworks and Vikas nagar headwork's	PHED				The proposed land parcels required for water supply components are under Public Health and Engineering Department's (PHED's) possession. NoC of PHED is attached in Appendix 3.	 Mangali headworks  Vikas nagar headworks

Project Component	Location	Ownership	Area Required (location (m ²))	Area of government land available at the location (m ²)	Khasra No. and land measurement	NOC Status	Photo of Land
Construction of WTP of 8 MLD	existing WTP campus at Jakhmund	PHED	4000	10000			
Construction of CWR-1200 kiloliter	Existing Campus-Nainwa Road	PHED	900	1500			
Construction of OHSR-450 kiloliter	Existing Campus-Vikasnagar	PHED	400	3000			

Project Component	Location	Ownership	Area Required (location (m ²))	Area of government land available at the location (m ²)	Khasra No. and land measurement	NOC Status	Photo of Land
Refurbishment of existing OHSRs, CWRs/ Pump houses	Existing PHED campus	PHED					
Transmission main	Right of way of existing road of public works department	PWD				PWD has already agreed to allow laying pipeline in existing right of way. Refer to Appendix 2 minutes of city level committee held under the chairmanship of District Collector, Bundi	
Distribution Line	In zone 5B, 7, 8, 9, 10	PWD					

Project Component	Location	Ownership	Area Required (location (m ²))	Area of government land available at the location (m ²)	Khasra No. and land measurement	NOC Status	Photo of Land
Master Control Centre and Consumer relation management centre						Vacant government land will be made available for the said works. DDR will be updated upon identification of sites and finalization of design.	
B. Sewerage							
Construction of Sewerage Treatment plant -6.5 MLD	existing STP campus near Ramganj Balaji	Nagar Parishad	6000	15000		STP will be constructed in the existing campus of STP. NoC of Nagar Parishad is attached in Appendix 4.	
Pipe network of treated effluent of 10 Kms.	From STP site	Existing roads under Nagar Parishad-Bundi				NOC from Bundi Nagar Parishad will be obtained for treated effluent pipe laying and updated to the DDR.	Agricultural fields are identified in and around the STP area. During execution, DBO Contractor will undertake the feasibility study of usage of treated effluent by agriculturists and other potential users as well as of the proposed alignment of treated effluent pipeline (10 kms). The proposed alignment of treated effluent pipeline will be designed within the right of way of existing roads which are under Nagar Parishad-Bundi. Impact assessment will be undertaken during detailed design

Project Component	Location	Ownership	Area Required (location (m ²))	Area of government land available at the location (m ²)	Khasra No. and land measurement	NOC Status	Photo of Land
							stage and will be recorded in the updated social safeguards document for the package which will be submitted to ADB for review and clearance.
Faecal sludge and septage management (FSSM) works	ward 4, 5, 23, 24, 25, 27, 29, 42 and 53	Under FSSM, desludging of septage from household pits / septic tanks will be undertaken. Septage will be disposed in a designated unit within the sewage treatment plant campus that is proposed under this subproject.					

Source: Site visit and transect walk, Bundi April 2022, Project Management Unit (PMU), Design Consultants and Nagar Parishad Engineers

Table 16: Details of Proposed Subproject Components and their Involuntary Resettlement Impacts, Bundi

S. No	Component	Location	Details of Resettlement Impacts
A. Water Supply			
1	Installation of Pump	At existing 26 MLD intake and Mangali HW and Vikas Nagar HW	Raw water pumping system will be installed in the existing intake at Kota barrage and clear water pumping system will be installed at Mangali headworks and Vikas nagar headworks, which are under the possession of public health engineering department (PHED). No involuntary resettlement impact is assessed.
2	Construction of 8 MLD water treatment plant	At existing WTP campus, Jakhmund	Water treatment plant is proposed at existing WTP campus at Jakhmund, which is under the possession of PHED. Identified site is vacant, unused and without any settlement/ squatter or other use. No legacy issue is reported. Therefore, no involuntary resettlement impact is assessed.
3	One clear water reservoir-1200 kilo liter	In Nainwa Road PHED campus	Clear water reservoir (CWR) of 1200 kilo liter (KL) will be constructed in Nainwa Road PHED campus. The land identified for CWR is vacant and unused. No involuntary resettlement impact is assessed.
4	One overhead service reservoirs-450 kilo liter	In Vikasnagar PHED campus	Overhead service reservoirs (OHSR) of 450 kilo liters (KL) will be constructed in Vikasnagar PHED campus. The identified site for the OHSR is vacant and unused. No involuntary resettlement impact is assessed.
5	Transmission mains	Length- 1.194 km (Dia ranging from 150 mm to 150 mm)	Transmission main of dia 100 mm to 150 mm will be laid within the boundaries of right of way (RoW) of government roads. No commercial establishments are identified along the stretches where transmission main pipelines are proposed to be laid. Identified right of way is reported vacant, unused and without any settlement/ squatter or other use. Therefore, no involuntary resettlement impact is assessed.
6	Distribution Network	Length: 30.89 Kms (Dia ranging from 90 mm to 315 mm)	Pipelines in commercial areas were already laid under previous RUIDP and government project. Under this scheme, pipeline is proposed in newly developed areas. Due diligence was conducted, and it was confirmed that no involuntary resettlement impacts including impacts on structures and livelihoods of the people are anticipated.
7	Refurbishment of existing OHSRs, CWRs/GLSRs/Tube wells and Pump houses		To avoid/minimize additional land requirements for improvement of water supply scheme, refurbishment works of Pump houses/CWRs/GLSRs/OHSRs and tube well are considered. All the existing water supply components are in government land.

S. No	Component	Location	Details of Resettlement Impacts
8	Water supply House Service Connections	5060 Numbers house water connections	No involuntary resettlement impact is anticipated.
9	One master control center (MCC) and consumer relation management center (CRMC)	Land yet to be finalized	Vacant and unused government land will be made available for the said works. Due diligence will be undertaken and details of such due diligence will be appended in updated DDR.
B. Sewerage			
1	One Sewage Treatment plants	Construction of STP of 6.5 MLD in existing STP campus near Ramganj Balaji	Sewage treatment plant (STP) of 6.5 MLD capacity along with treated effluent elevated reservoir (TEER) and treated effluent storage reservoir (TESR) will be carried out within the existing STP campus near Ramganj Balaji. Sufficient land is available in the existing campus for the construction of new STP. The existing facility is a gated walled up campus and no settlement/ squatter or other use is assessed. The new STP will be constructed on a vacant, unused land parcel within the gated STP campus. No involuntary land acquisition related legacy issue is reported. Therefore, no involuntary resettlement impact is assessed.
2	Treated Effluent pipeline 10 km	From STP site	Agricultural fields are identified in and around the STP area. During execution, DBO Contractor will undertake the feasibility study of usage of treated effluent by agriculturists and other users as well as of the proposed alignment of pipeline (10 kms). The proposed alignment of treated effluent pipeline will be designed within the right of way of existing roads which are under Nagar Parishad-Bundi. Impact assessment will be undertaken during detailed design stage and will be recorded in the updated social safeguards document which will be submitted to ADB for review and clearance.
3	Faecal sludge and septage management (FSSM) works	Procurement of three desludging equipment with 4000 and 1000 lit tank capacity for collection of faecal sludge and septage from ward 4, 5, 23, 24, 25, 27, 29, 42 and 53	Under FSSM, desludging of septage from household pits/ septic tanks will be undertaken and septage will be disposed in designated unit in sewage treatment plant. Prior notice will be given to the household on the date and time of desludging. The desludging machine will be kept at a suitable place which would not hamper or impact normal activity of the community members or pedestrians. The truck will be kept in the proposed STP campus for which land has already been allotted. No involuntary resettlement i impact is anticipated.

36. No land acquisition or involuntary resettlement impacts are assessed as a result of the subproject construction. No impacts to indigenous people/ communities due to the subproject involving direct or indirect impacts to the dignity, human rights, livelihood systems or territories or natural or cultural resources that are used, owned, occupied or claimed by indigenous peoples as their ancestral domain or asset, are anticipated. Bundi does not fall in a scheduled area, has

20.57% of population classified as scheduled tribe, which is scattered (does not stay in tribal groups / community enclaves), is well assimilated in urban society, and does not retain the characteristics of scheduled tribes¹ or indigenous peoples groups.² There is no recorded presence of indigenous peoples' groups or communities, including particularly vulnerable tribal groups in Bundi.

VI. INFORMATION DISSEMINATION

37. The DDR will be made available in the offices of the Nagar Parishad, PHED, Project Implementation Unit, and on the Project Management Unit and ADB websites for easy access to all stakeholders including the local community.

VII. GRIEVANCE REDRESS MECHANISM

38. A project-specific, three-tier grievance redress mechanism (GRM) covers both environmental and social issues. The GRM established in the ongoing project to receive, evaluate, and facilitate the resolution of affected persons' concerns, complaints, and grievances about the social and environmental performance at project level will be the same for additional financing. 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)³ shows that the system was effective in timely resolution of grievances in a transparent manner.⁴ The multichannel, project-specific, three-tier GRM is functional at RUSDP, hence the design of

¹ As per the Constitution of India, criteria followed for identification of a community as a scheduled tribe are (i) tribes' primitive traits; (ii) distinctive culture; (iii) shyness with the public at large; (iv) geographical isolation; and (v) social and economic backwardness.

² ADB SPS 2009 uses the term indigenous peoples in a generic sense to refer to a distinct, vulnerable, social and cultural group possessing the following characteristics: (i) self-identification as members of a distinct indigenous cultural group and recognition of this identity by others; (ii) collective attachment to geographically distinct habitats or ancestral territories in the project area and to the natural resources in these habitats or territories; (iii) customary cultural, economic, social or political institutions that are separate from those of the dominant society and culture; and (iv) a distinct language, often different from the official language of the country or region.

³ 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.

⁴ 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.

GRM for RSTDSP takes into account the proposed institutional structure for RSTDSP and the positive features and learnings from the previous GRM.⁵

39. **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.

40. Public awareness campaigns within entire ULB/Municipal area will ensure that awareness on grievance redress procedures is generated. The nodal officer- safeguards and gender supported by ASO at zonal level, will oversee the conduct of ULB/project coverage area-based awareness campaigns by the town-level safeguards and safety officers, through the CAPPC. The awareness campaigns will ensure that poor and vulnerable households are made aware of grievance redress procedures and entitlements. Contractors will provide 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.

41. 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 site⁶ or by sending a WhatsApp message to the PIU⁷ or by dialing the phone number of town level PIU/CAPPC or by dialing a toll-free number.⁸ Any aggrieved person can also avail the facilities of online grievance monitoring system 'Rajasthan Sampark' portal to register their grievances which is a parallel mechanism of grievance registration, in addition to the project GRM.⁹ 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 SSO 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 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 personnel will be posted at all construction sites at visible locations.

- (i) **1st level grievance.** The contractors, PIU executive engineer /assistant engineer designated as SSO (social and environment), CMSC (safeguard staff) and CAPPC

⁵ 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.

⁶ 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.

⁷ 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.

⁸ Project contractors in all project towns will have a toll-free number with specific working hours for registration of grievances related to RSTDSP.

⁹ [HTTP://WWW.SAMPARK.RAJASTHAN.GOV.IN/RAJSAMWELCOME.ASPX](http://www.sampark.rajasthan.gov.in/RajSamWelcome.aspx)

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)¹⁰ will be involved in resolution of grievances at the 1st level;¹¹

- (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 assistant safeguard officer (ASO), field level PIU, CMSC, CAPPC and the contractor;¹²
- (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); and
- (iv) 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), 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 that 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.

42. The multi-tier GRM for the project is outlined below (Figure 25), 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.

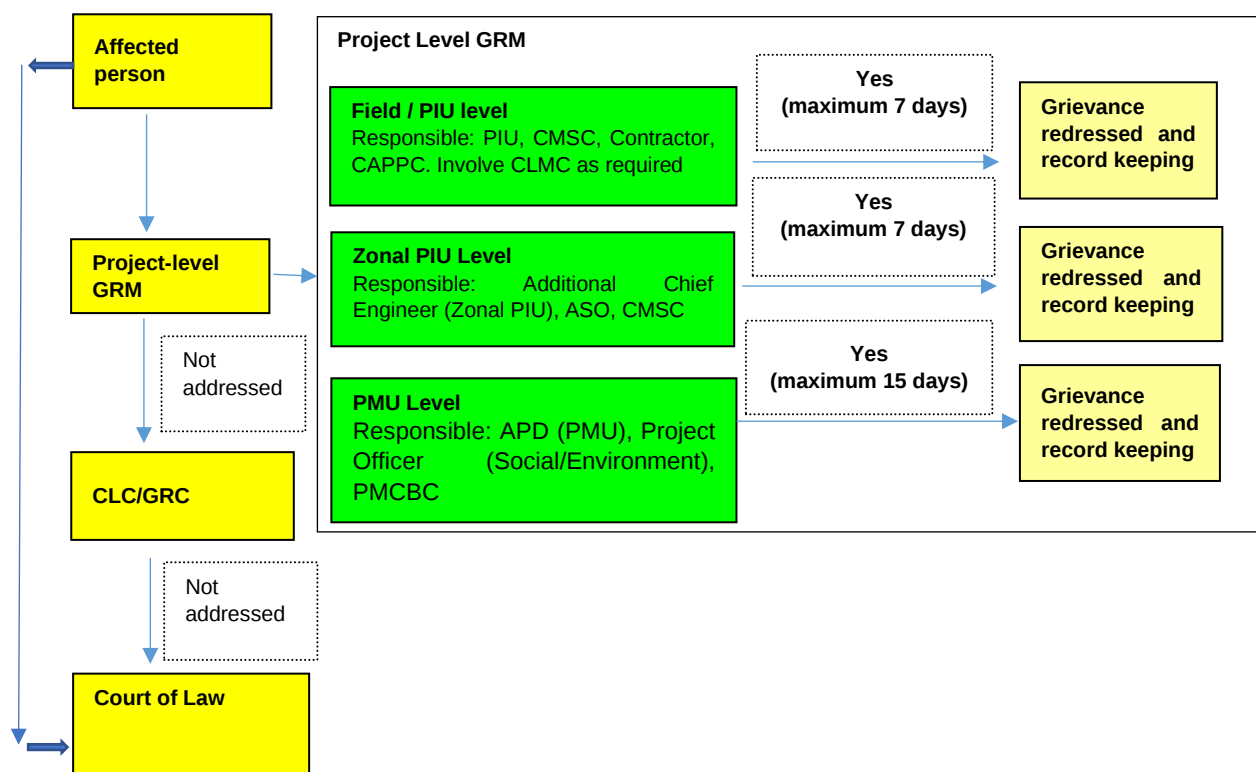
¹⁰ The CLMC has been formed at the town/city level for planning and monitoring of work, resolve issues related to departmental coordination etc. It is headed by Commissioner/Executive Officer ULB (Chairman) and city engineer of public health engineering department (PHED), public works department (PWD) and head of PIU acting as Member Secretary.

¹¹ In case the complainant is a vendor, the 1st level grievance redress committee will make effort to resolve the concern at this level, in his/her presence.

¹² In case the complainant is a vendor, and the grievance is not resolved at the 1st level, the issue will be brought up to 2nd level grievance redress committee. The 2nd level grievance committee, if required, may invite a representative from the local Town Vendor Committee to resolve the matter.

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 25: 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.

43. The project GRM notwithstanding, would ensure 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. 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 RFCTLARRA, 2013.¹⁴

44. 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 Mechanism.¹⁵

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>.

45. **Record-keeping.** The PIU Bundi will keep records of grievances received, including contact details of complainant, date the complaint was received, nature of grievance, agreed corrective actions and the date these were affected and final outcome. The number of grievances recorded and resolved, and the outcomes will be displayed/disclosed in the PMU office, PIU offices, and on the web, as well as reported in monitoring reports submitted to ADB on a semi-annual basis. The sample grievance registration format is attached as Appendix 6

46. **Periodic review and documentation of lessons learned.** The PMU project officers (Social and Environment) will periodically review the functioning of the GRM in each town and record information on the effectiveness of the mechanism, especially on the project's ability to prevent and address grievances.

47. **Costs.** Contractors are required to allocate budget for pamphlets and billboards as part of the EMP. Costs involved in resolving the complaints (meetings, consultations, communication and reporting/information dissemination) will be borne by the concerned PIU at town level while costs related to escalated grievances will be met by the PMU.

VIII. CONCLUSION

48. Findings from field visit, public consultation and stakeholder consultations and initial screening for resettlement impacts and for impact indigenous people, indicate that subproject is not anticipated to cause any involuntary resettlement impact. The impacts of subproject will be re-assessed (prior to start of civil work) upon finalization of detailed design (in view of the final pipe alignments and scope of work). In case any involuntary resettlement impact is identified at any stage of the subproject implementation, this safeguard document will be revised (with appropriate revision of project category) in accordance with ADB's Safeguards Policy statement 2009.

49. During civil work, a participatory approach will be pursued, and information dissemination requirements of the project will be adhered to. A Grievance Redress Mechanism will also be established in the project. The Executing Agency will ensure compliance to all applicable laws and the ADB SPS, 2009.

IX. NEXT STEPS

50. The following activities will be undertaken:

- (i) No objection of Water Resources Department will be obtained for installation of raw water pump house at Kota barrage and same will be appended to the updated DDR;
- (ii) Impact assessment of the entire alignment (10 kms HDPE 200 mm pipe proposed for distribution of treated effluent from each STP) will be done once the alignment will be freeze and same will be documented through the updated DDR will be submitted to ADB for review and clearance.
- (iii) Meaningful consultations will be carried out, including but not limited to focus group discussions (FGDs), public meetings, community discussions, and in-depth and key informant interviews through the implementation of the project and the same will be reported to ADB through a semi-annual social monitoring report;
- (iv) Detailed measurement surveys will be conducted after finalization of detailed design. In case any involuntary resettlement impacts identified during detailed design, this due diligence report will be updated accordingly (including revision of

project impact; category) and submitted to ADB for approval before start of civil works

- (v) Land for the MCC and CRMC is yet to be finalized; and details of the sites will be included in the updated DDR; due diligence will be undertaken once the lands for the proposed MCC and CRMC will be finalized and DDR will be updated accordingly.
- (vi) In case there is a change to project design or additional scope is proposed during implementation, the ADB will be promptly informed, and required documents will be updated during design finalization, before the start of civil works.

Appendix 1: Summary of Public Consultations

Date and Location	Participants			Topic Discussed	Outcome	Photographs
	Total	Male	Female			
07.04.2022 Ramganj Balaji, Bundi	10	09	01	Construction of 6.5 MLD STP in the existing STP campus near Ramganj Balaji under RSTDSP. Benefits of newly proposed STP to the Community. Re-use of treated effluent of STP. Process of logging grievance and its mechanism under the project. Present status access to waste water facilities in the town and other concerned issues and challenges.	It was conveyed to the local residents during site specific public consultation that 8 MLD STP is already in the town, but the existing capacity of STP does not meet the sewerage flow and town demand due to increase in number of house sewer connections. Keeping in mind, a new 6.5 MLD STP is being proposed under this subproject. Local public specially farmers were shown their interest for use of treated effluent of STP. It was informed that Nagar Parishad will take a decision on the matter. A project-specific, three-tier grievance redress mechanism will be established to receive, evaluate, and facilitate the resolution of grievances. Participants are happy with proposed project component and they will extend full cooperation in subproject. Implementation.	
07.04.2022, Nainwa Road, Near Post Office, Bundi	07	07	00	Project clear water reservoir (CWR) under water supply scheme and its benefits to the community. Safety provision during implementation.	It was informed to the local residents that under the proposed scheme CWR of 1200 kilo liter will be proposed/ constructed within the existing campus of PHED to provide drinking water	

Date and Location	Participants			Topic Discussed	Outcome	Photographs
	Total	Male	Female			
					to the residents of fort area. It was informed to the staff living in the staff quarters that during implementation, hard barricading will be installed around the site and proper access to the staff quarters will be ensured. It was communicated that in areas where households lack toilet facilities, they are encouraged to use community sanitation program run by government. CAPP consultant will create awareness to restrict and prevent open defecation, health/hygiene and promote use of community toilets.	 
07.04.2022, Vilas Nagar, Bundi	10	10	00	Project components under RSTDSP. Process of logging grievance and its mechanism under the project. Present status and access of water supply facilities in the town and other concerned issues and challenges. Willingness of local public to pay for improved services.	It was informed to the local residents under the proposed water supply scheme, water treatment plant, clear water reservoir, overhead tank and distribution networks are proposed. 30.884 kms distribution line will be laid in this ward to provide more potable water to the households. Presently, Water supply is provided by PHED department but water supply is intermittent and an alternate day. Participants are happy with proposed project and are willing to pay	 

Date and Location	Participants			Topic Discussed	Outcome	Photographs
	Total	Male	Female			
					for improved sewerage services in the town. A project-specific, three-tier grievance redress mechanism will be established in the ongoing project to receive, evaluate, and facilitate the resolution of affected persons' concerns, complaints, and grievances. It was communicated that in areas where households lack toilet facilities, they are encouraged to use community sanitation program run by government. CAPP consultant will create awareness to restrict and prevent open defecation, health/hygiene and promote use of community toilets.	
07.04.2022, Nagar , Bundi	06	06	00	Proposed water supply works and availability of land, requirement of No objection etc.	Meeting with PHED and Nagar Parishad officials and discussion were done about proposed project under phase-4. PHED and Nagar Parishad officers assured of their full cooperation with RUIDP/RSTDSP during planning and implementation of the project	

Date and Location	Participants			Topic Discussed	Outcome	Photographs
	Total	Male	Female			
08.04.2022, Jhravmunda, Bundi	07	06	01	Proposed water supply works and availability of land, requirement of No objection etc.	Meeting with PHED and Nagar Parishad officials and discussion were done about proposed project under phase 4. PHED and Nagar Parishad officers assured of their full cooperation with RUIDP/RSTDSP during planning and implementation of the project.	
08.04.2022, Tilak chowk, Ward-12, Bundi	06	06	00	Project components under RSTDSP and the benefits to the Community. Present status and access of water supply facilities in the town and other concerned issues and challenges. Willingness of local public to pay for improved services.	It was informed to the local residents under the proposed water supply scheme, water treatment plant, clear water reservoir, overhead tank and distribution networks are proposed. 30.884 kms distribution line will be laid in this ward to provide more potable water to the households. People informed that presently, water supply is provided by PHED department. The supply is on an intermittent basis. Participants are happy with proposed project and are willing to pay for improved services in the town. It was communicated, that in areas where households lack toilet facilities, they are encouraged to use community sanitation program run by	

Date and Location	Participants			Topic Discussed	Outcome	Photographs
	Total	Male	Female			
					government. CAPP consultant will create awareness to restrict and prevent open defecation, health/hygiene and promote use of community toilets.	
08.04.2022, Nahar Ka Chouta, Ward-09, Bundi	11	11	00	Present status of water supply facilities in these areas and proposed works under RSTDSP. Willingness of local public to pay for improved services.	It was informed by the local people that they are facing water supply problems. They informed that presently, water supply is provided by PHED department, but water supply is intermittent on alternate days. Participants are happy with the proposed project and are willing to pay for improved sewerage services in the town. It was communicated that in areas where households lack toilet facilities, they are encouraged to use community sanitation program run by government. CAPP consultant will create awareness to restrict and prevent open defecation, health/hygiene and promote use of community toilets.	 

Consultation with local public in proposed FSSM areas.

Location/ Date	participants	Topic Discussed	Outcome	Photos
23.01.2023 Ward No.4	Total- 11 Male- 9 Female-2	Awareness of the project-including project coverage area, Present condition of Sewerage In what way they may associate with the project Willingness to pay for improved services.	During interaction with households, it was noticed that most of the households have septic tanks and soak pits and due to lack of sewerage facilities, effluents from the septic tanks directly drain into the open drains that creates unhealthy and unhygienic environment. It was conveyed that Government of Rajasthan under RUIDP project (RSTDSP), FSSM works has been planned for these areas for safe collection and, storage of the collected faecal sludge in a sealed container, transportation of the collected faecal sludge to a treatment facility. Regular inspection will be done by Nagar Parishad. Overall, the objective of this project component is to provide a safe and healthy environment through regular cleaning of septic tanks. People are showing their interest in paying for faecal sludge collection services in the town.	    

Location/ Date	participants	Topic Discussed	Outcome	Photos
23.01.2023 Ward No. 5	Total- 8 Male-4 Female-4	Awareness of the project-including project coverage area, Present condition of Sewerage system and collection system of waste water. In what way they may associate with the project Willingness to pay for improved services.	Sewer networks are not in colony because these are low lying areas and currently sewer network is not feasible. Keeping in mind the present situation, the government is planning to connect these areas with FSSM facilities. FSSM works has been planned for ward 5 areas for safe collection of sludges of houses specifically from septic tanks. It was mentioned that under the project special vehicles will be purchased for carrying out the desludging activities. The community members mentioned that currently they hire private sucking machine vehicle to clean their septic tanks. But they do not get any prompt service. People are showed their interest to pay for Faecal sludge collection services in the town if properly managed.	

Location/ Date	participants	Topic Discussed	Outcome	Photos
23.01.2023 Ward No. 23	Total- 12 Male-5 Female-7	Awareness of the project-including project coverage area, Present condition of Sewerage, Drainage and solid waste collection In what way they may associate with the project Present solid waste collection and disposal problem Willingness to pay for improved services.	During interaction with households, it was noticed that most of the households do not have any commissioned sewerage system. Water Closets are connected to soak/septic pits. In some cases, water closets effluent is discharged directly into open drains due to space scarcity. Sullage generated from houses is directly discharged into open drains, which further discharges into the town's natural disposal drain. The community members enquired whether there will be any sewerage system developed under the project. It was communicated by the project consultants that, in ward 23 there will be no sewerage pipeline laid, but there will be a mechanism of collecting sludge from the households through machine. It was also mentioned that people should stop open defecation. It was communicated that in areas where households lack toilet facilities, they are encouraged to use community sanitation program run by government. CAPP consultant will create awareness to restrict and prevent open defecation, health/ hygiene and promote use of community toilets.	

Location/ Date	participants	Topic Discussed	Outcome	Photos
23.01.2023 Ward No.24	Total- 8 Male-3 Female-5	Awareness of the project-including project coverage area, Present condition of Sewerage, Drainage and solid waste collection In what way they may associate with the project Present solid waste collection and disposal problem Willingness to pay for improved services.	During interaction with households, it was informed by the households that sanitation conditions are very poor in the areas. They are dependent on private operators for desludging of their septic tanks. Drainage and Sewerage are major problems of this areas. Local residents are happy with the proposed FSSM works but suggested that regular cleanness of septic tanks are required. The community members enquired whether there will be any sewerage system developed under the project. It was communicated by the project consultants that in ward 24 there will be no sewerage pipeline laid, but there will be a mechanism of collecting sludge from the households through machine. The participants further enquired if any charges will be levied for clearing the septic tank sludge. The project consultant mentioned that a very nominal charge may be levied. The community members expressed their willingness to pay for improved services.	      

Location/ Date	participants	Topic Discussed	Outcome	Photos
23.01.2023 Ward No.25	Total- 8 Male-5 Female-3	Awareness of the project-including project coverage area, Present condition of Sewerage, Drainage and solid waste collection In what way they may associate with the project Present solid waste collection and disposal problem Willingness to pay for improved services.	During interaction with households, it was informed that presently two private operators provide desludging services within the area. However, many households use manual means to remove sludge from the septic tanks due to delayed response by the private operators. The community members expressed that although they want to pay for desludging services, the private operators do not respond promptly; sometimes they have to wait for a week and give them several reminders. They said it would be good if Nagar Parishad took some initiative. Currently local residents are paying between Rs.2500-3000 to private operators for desludging their septic tanks. People were happy to hear about the proposed works and willing to pay the charges if system will be properly managed.	       

Rajasthan Secondary Town Development Sector Project (RSTDSP-Ph-IV)
Consultations with Stakeholders

Project Town.....B4mde.....

Name of Project: Water supply, STP
drainage

Date: 07/04/2022

Place of Consultation STP-
रामगंज नाला

Attendance Sheet

S.N.	Name	Occupation	Mobile Number	Signature
1	अविनाश सिंगरिया	Chemist	9549958595	<i>Avinash</i>
2	मिछी लाल	मीनिस्ट्रीफिकर	6394974381	<i>Mitchhi Lal</i>
3	मंजु बाई	लेबर		<i>Manghu Bai</i>
4	दानिष अली	इलेक्ट्रिशियन	9057564025	<i>Danish Ali</i>
5	शिवचरण ठाकुर	डाई		<i>Shivcharan Thakur</i>
6	फौरु लाल	लेबर		
7	नितिन रावल	लेबर	7073080436	<i>Nitin Rawal</i>
8	महेन्द्र गुर्जर	ड्राफ्ट	7568063701	<i>Mahendra Gurjar</i>
9	रामचन्द्र	ड्राफ्ट	901782033	<i>Ramchandra</i>
10	अरुण लाल	ड्राफ्ट	9982584141	<i>Arun Lal</i>
11				

F

Rajasthan Secondary Town Development Sector Project (RSTDSP-Ph-IV)
Consultations with Stakeholders

Project Town.....B4mde.....

Name of Project: Water supply, STP
drainage

Date: 08/04/2022

Place of Consultation WTP
सारवमोन्ड (बूरी)

Attendance Sheet

S.N.	Name	Occupation	Mobile Number	Signature
1	मेवर लाल	Staff Helper	9587224877	<i>Mewar Lal</i>
2	चरण मीर	Staff Helper	773748197	<i>Charan Meher</i>
3	च-प्रकाश	Staff	77	
4	हमराज	operator	7357266588	
5	जोपाल	Helper	9772736905	<i>Jopalk</i>
6	च-प्रकाश	Lab. Asst.	9653944314	
7	सामना राम	Staff operator	803288363	<i>Saman Ram</i>
8				

Rajasthan Secondary Town Development Sector Project (RSTDSP-Ph-IV)

Consultations with Stakeholders

Project Town..... BundiName of Project: Water Supply, STP and DrainageDate: 07/04/2022Place of Consultation: Vikash Nagar, Water No.

Attendance Sheet

S.N.	Name	Occupation	Mobile Number	Signature
1	नरेश गुर्जर	Staff	8306081307	
2	सुरेश	Call operator	9601097402	
3	अजय	Staff	7281901720	
4	पीरु	Staff	7427863025	
5	बलराज	transport manager	9352994022	
6	महेश	Cashier	9352994022	
7	दीपक	Supervisor	9702502740	
8	अजय	Business man	9530085988	
9	अमीत अडेनी	"	9460033219	
10	इश्वर		9414175503	
11				
12				

Rajasthan Secondary Town Development Sector Project (RSTDSP-Ph-IV)

Consultations with Stakeholders

Project Town..... BundiName of Project: Water Supply, STP and DrainageDate: 07/04/2022Place of Consultation: नगर परषद

Attendance Sheet

S.N.	Name	Occupation	Mobile Number	Signature
1	//			
2	Hemni Kumari	Safeguard support/engr	8360043214	
3	Nasir Hassan	social safety guard E/pad	9650125186	
4	Sanjiv Kumar	Safeguard support	9602408287	
5	Tarunesh	A.E	9785430201	
6	RAJANVSHHAMA		8432422475	
7				
8				

Rajasthan Secondary Town Development Sector Project (RSTDSP-Ph-IV)
Consultations with Stakeholders

Project Town.....Bundi.....Name of Project: Water Supply, STP 7thDate: 08/04/22Place of Consultation नीलस चौक

Attendance Sheet

S.N.	Name	Occupation	Mobile Number	Signature
1	बृज बीहारी		9521155703	
2	मरन शर्मा	ड्राफ्ट	9057587923	
3	हमीर	पेन्टर		
4	निवेश जौलम		9110897564	
5	वहगिअ रमा		7784275333	
6	अहमद अली		9793040782	
7				
8				
9				

Rajasthan Secondary Town Development Sector Project (RSTDSP-Ph-IV)

Consultations with Stakeholders

Project Town.....Bundi.....Name of Project: Water Supply, STP 9thDate: 08/04/2022

Place of Consultation

Attendance Sheet

S.N.	Name	Occupation	Mobile Number	Signature
1	अरुण कुमार	ड्राफ्ट		
2	जय लाल	ड्राफ्ट	9460603130	
3	अजय	ड्राफ्ट	7014229833	
4	अजय	ड्राफ्ट-मिटर		
5	जोषा	ड्राफ्ट	0504907285	
6	अरुण	ड्राफ्ट	627500	
7	रामा	ड्राफ्ट		
8	लाल	ड्राफ्ट		
9	बृज बीहारी		9521155703	
10	अजय शर्मा		7023735569	
11	अरुण कुमार		8955099867	
12			8955099867	
13				

Appendix 2: Minutes of City Level Stakeholder Committee (CLC) meeting held on 20 October 2021

Municipal Council, Bundi

Date: 20.10.2021

No. 14.8/21/1309

Minutes of City Level Committee Meeting

A City Level Committee meeting held on 20.10.2021 under chairmanship of District Collector, Bundi for finalization of Drainage & other development works in Bundi city under RUIDP Phase-IV

List of Officials, public representative & stock holders, who attended the meeting, is enclosed at **Annexure 'A'**.

It was initially briefed out that RUIDP will take up Drainage and other development works in Bundi city. It was apprised that the DPRs of proposed works is being prepared by the Consultant M/s Cadcon Consultants, Jaipur engaged by the Municipal Council, Bundi. It will be considered for Phase-IV project. RUIDP has scrutinized the Draft DPRs and suggestions have already been conveyed to consultants for modifications & revision & the estimates are as per RUIDP SOR-2017.

Provisions under the DPR and basic scope of work were briefed to the committee. The tentative cost of DPR is of Rs. 135crs for works proposed under Drainage & other development works. The brief scope of works are as follows:-

1. Augmentation of Bundi RUIDP water supply scheme for demand load of 26 MLD to 34 MLD

Particulars	Proposed works Detail
Upgradation of Intake Well	8.0 MLD
Water Treatment Plant	8.0 MLD
Transmission Main – DI K-9 Pipe Dia ranging from 100mm to 400mm	1.194 Km
Clear Water Reservoir	1 Nos.
OHSR	1 Nos.
Distribution Mains	
HDPE PE -100, PN6, Pipe Dia ranging from 110mm to 400 mm	30.2 Km
House Service Connection (2025)	5038 nos.

2. Development of main roads and Beautification work of crossings in the city area

(A) Works related to developments of CC Roads

S.no.	Road Type	Length (in m)
1.	Category-I (9.0 to upto 15.0 mtr)	1200
2.	Category-II (5.0 to upto 9.0 mtr)	33545
3.	Category-III (3.0 to upto 5.0 mtr)	9110
	Total	43855

- (B) **Works related to Beautification, conservation and bodies**
- Nawalsagar heritage path from Jaipur road Entry Gate to petrol pump tiraha
 - Development of Petrol Pump Tiraha
 - Development of Ahinsa Circle
 - Construction ENT Gate at Bundi (Jaipur Road)
 - Construction of ENT Gate of Kota Road
 - Conservation of Naru Ki Baori, naagarsagarkund
 - Conservation of City Gates 5 Nos., and provision of Chhatri on circles

3. Remaining work of Sewerage (STP) of capacity 10.5 MLD based on SBR Technology including FSSM

4. Development of NawalSagar Talab and Heritage work.

5. Following drainage work are proposed in town:-

S.no.	Name of Drain	Length(in m)
1	Jaipur Bypass to FCI godam along with Rani jikiBawadi	2690.00
2	Khoja Gate Ganesh ji to Ice Factory	415.00
3	GurudwaraDevpura to Nanak PullyaTiraha	2820.00
4	JaitSagarNallah	5800.00
5	Silor Road (Agarwal Dharamshala to highway nalah on Silor road)	610.00
Total		12335.00

Committee decided to approve the detailed project Report the brief of which is mentioned as above.

Meeting ended with vote of thanks to the chair.


Commissioner
Municipal Council, Bundi
 No. 175/21/1310 to 1322


District Collector & Chairman CLC
Bundi
 Date: 20.10.2021

Copy to the following for information and necessary action:

- PA to MLA, Bundi.
- PA to District Collector & Chairman CLC, Bundi.
- PA to Project Director, RUIDP, Jaipur.
- Chairman, Municipal Council, Bundi.
- Commissioner, Municipal Council, Bundi
- Additional Project Director, RUIDP, Jaipur.
- Addl. Chief Engineer, RUIDP, Jaipur.
- Addl. Chief Engineer, RUIDP, Jaipur.
- Addl. Chief Engineer, PWD/PHED, Bundi, Jaipur
- Senior Town Planner, Town Planning Department, Bundi
- Principal Medical Officer, Medical and Health Dept. Bundi
- Superintending Engineer-I, RUIDP, Jaipur
- Executive Engineer, Municipal Council, Bundi.


Commissioner
Municipal Council, Bundi



Office of Additional Chief Engineer, Phase-IV, Jaipur-Zone, Jaipur
 AVS Building, Jawahar Circle, JLN Marg, Jaipur - 302017
 Ph. - 141 2721966 Fax No. 141 2721919
 E-mail: jpr.ruidp@rajasthan.gov.in

ATTENDANCE SHEET of City Level Committee (CLC) meeting, Bundi

Purpose: - Discussion of broad scope of DPR and identification & finalization of Drainage & other development works to be taken up in Bundi under RUIDP Phase IV.

Date of Meeting: 20th October, 2021 at 5:00 PM

Venue: Meeting Hall, Collectorate, Bundi

S.No.	Name	Designation and Organization	Signature
1.	Shri. Ashok Dogra	Hon'ble MLA, Bundi	
2.	Kumari Renu Jaipal	Collector & District Magistrate, Bundi	
3.	Shri. Madhu Nupal	Chairman Municipal Council, Bundi	
4.	Sh. Mahaveer Singh	Commissioner, Municipal Council, Bundi	
5.	Sh. Lateer Bhai	Vice-chairman Municipal Council, Bundi	
6.	Shri. Narendra Ajmera	Addl. Chief Engineer, Zone- Jaipur, RUIDP	
7.	VK Jain	SE on behalf of Addl. Chief Engineer, PWD, Bundi	
8.	D.N. Nyan	SE on behalf of Addl. Chief Engineer, PHED, Bundi	
9.		Senior Town Planner, Town Planning Department	
10.		Principal Medical Officer Medical & Health Department	
11.	Anand Singh	2 nd Secy. to Secy. Bundi	

Appendix 3: Consent for Construction of Water Treatment Plant (WTP), Clear Water Reservoir (CWR) and Overhead Service Reservoir (OHSR) at Public Health Engineering Department (PHED) land from PHED

Letter No- 32

Date: 13.04.2022

To,
Chief Engineer,
RUIDP, Jaipur

Subject: Regarding concern for construction of WTP, CWR, OHSR and installation of pump under RUIDP, Phase-IV

Sir

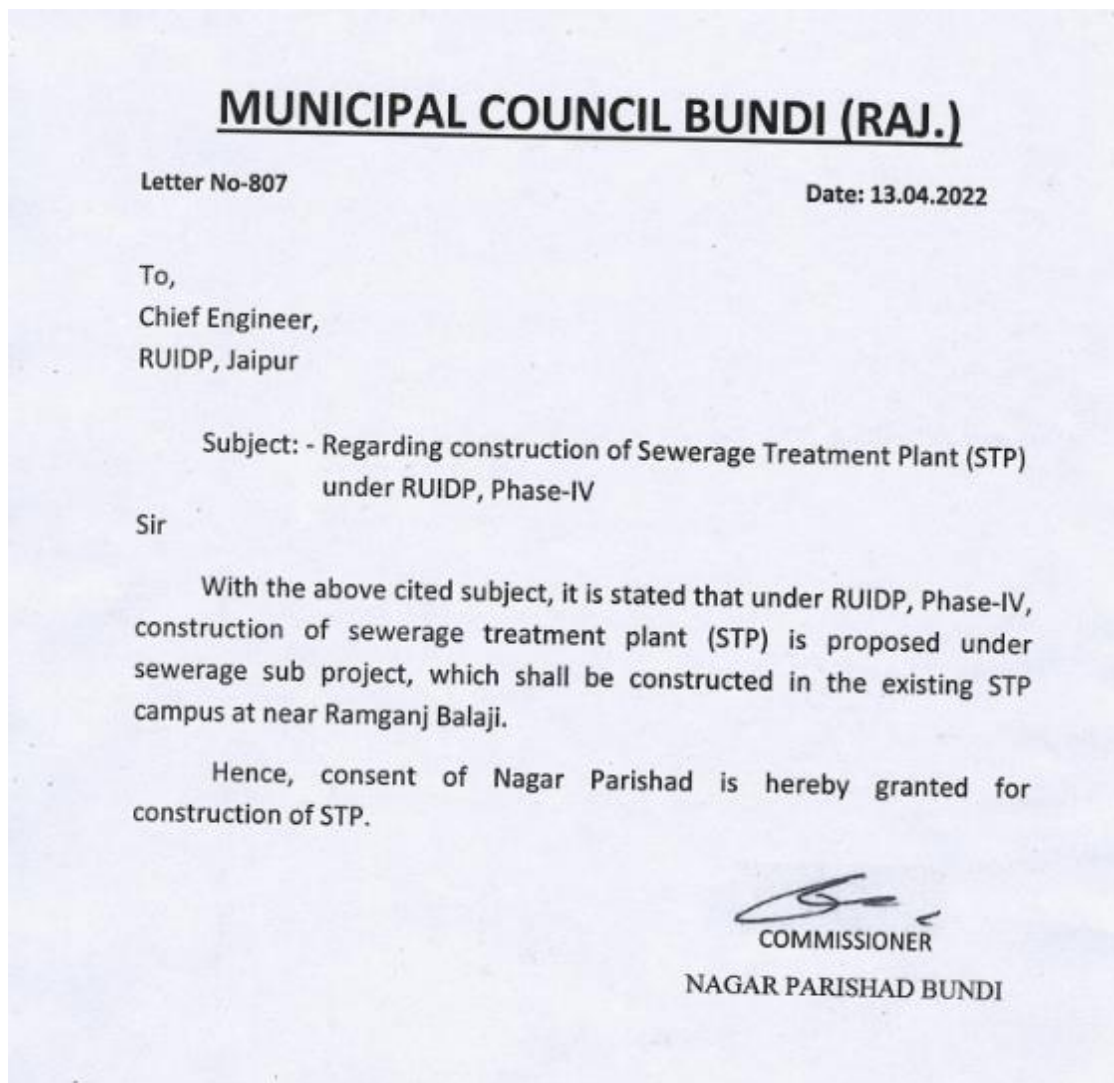
With the above cited subject, it is stated that WTP, CWR, OHSR and allied works are proposed under RUIDP, Phase IV and will be constructed at following locations, details are below.

1. Installation of pump at Existing Intake –PHED campus, Mangli Head Works and Vikas Nagar Head Works
2. Construction of WTP- Existing WTP campus, Jakhmund
3. Construction of CWR- Nainwa Road Campus
4. Construction of OHSR- Housing Board, Campus

Hence, consent for construction of above facilities are hereby granted.


Executive Engineer
PHED Div. Bundi

**Appendix 4: Consent for Construction of Proposed Sewage Treatment Plant (STP) by
Nagar Parishad Bundi**



कार्यालय अधिशासी अभियंता जन स्वास्थ्य अभियांत्रिकी विभाग खण्ड बुन्दी अमक-अ.अ./ख.बुन्दी/स.स./2015-16/	दिनांक-
आयुक्त नगर परिषद, बुन्दी।	
विषय:- RUIDP द्वारा प्रस्तावित 8 MLD STP निर्माण हेतु भूमि को Environment Consent को संबंध में।	
संदर्भ:- 1. श्रीमान जिला कलेक्टर महोदय को भूमि आवंटन पत्रांक 155 दिनांक 26.06.2008 2. शासन उप सचिव जन स्वास्थ्य अभियांत्रिकी विभाग जयपुर को पत्रांक प.3(54) पीएचईडी/2011/जयपुर 04.02.2013.	
उपरोक्त विषयान्वयित जैसा है कि जिला कलेक्टर महोदय को प्रासंगिक पत्र के द्वारा ग्राम देवपुरा, बुन्दी में सीवर प्रणाली के अंतर्गत STP निर्माण हेतु 44 बीघा 04 बिसवा भूमि का आवंटन किया गया था। उक्त 44 बीघा 04 बिसवा भूमि में से 19 बीघा भूमि आर.वू.आई.डी.पी द्वारा नगर परिषद के सामान्य से पेशिंग एवं तारबन्दी का कार्य करवाया गया है। उक्त भूमि पर RUIDP द्वारा 8 MLD STP निर्माण करवाया जावेगा तथा STP का संचालन एवं संभारण नगर परिषद बुन्दी द्वारा किया जावेगा।	
अतः उक्त 19 बीघा भूमि पर आर.वू.आई.डी.पी. द्वारा Environment Consent को कार्यवाही नगर परिषद बुन्दी को पास से करवादी जावे। उपरोक्त अर्जित आवंटित जमीन पर RUIDP द्वारा STP निर्माण किये जाने पर PHED को कोई आपत्ति नहीं है।	
प्रतिनिधि- अधिशासी अभियंता, आर.वू.आई.डी.पी बुन्दी को सूचनाई।	अधिशासी अभियंता जन स्वास्थ्य अभियांत्रिकी विभाग खण्ड बुन्दी
	अधिशासी अभियंता जन स्वास्थ्य अभियांत्रिकी विभाग खण्ड बुन्दी

Transcript:

To, Commissioner, Nagar Parishad, Bundi

Subject: PHED letter to Nagar Palika regarding Environment Consent on proposed land and O&M of 8 MLD STP constructed by RUIDP.

Reference:

- 1) Letter No. 155 dated 26.06.2008 of District Collector regarding allotment of Land
- 2) Letter No. P.3 (54)PHED/2011/Jaipur 04.02.2013 of Office of the Dy. Secretary, Public Health Engineering Department (PHED), Jaipur

With reference to above mentioned subject, it is defined that District Collector, Bundi has allotted land of 44 bigha and 04 biswa for construction of STP site at village Devpura, Bundi. Out of 44 bigha and 04 biswa, 19 bigha of land has been covered with barbed wire fencing by RUIDP through Nagar Parishad, Bundi. A STP will be constructed by RUIDP on this land and O&M will be accomplished by Nagar Parishad, Bundi.

So, Environment Consent should be taken in favour of Nagar Parishad, Bundi. PHED has no objection to construct STP by RUIDP at allotted land.

Executive Engineer,
PHED, Bundi

Appendix 6: Grievance Registration Format
(to be translated and made available in local language/s)

The _____ Project welcomes complaints, suggestions, queries and comments regarding subproject implementation.

Aggravated persons may provide grievance with their name and contact information to enable us to get in touch for clarification and feedback.

In case, someone chooses not to include personal details and wants that the information provided to remain confidential, please indicate by writing/typing ***(CONFIDENTIAL)*** above Grievance Format.

Thank you.

Date		Place of registration			
Contact Information/Personal Details					
Name		Gender	* Male *Female	Age	
Home Address					
Place					
Phone no.					
E-mail					
Complaint/Suggestion/Comment/Question Please provide the details (who, what, where and how) of your grievance below: If included as attachment/note/letter, please tick here:					
How do you want us to reach you for feedback or update on your comment/grievance?					

FOR OFFICIAL USE ONLY

Registered by: (Name of Official registering grievance)	
Mode of communication: Note/Letter E-mail Verbal/Telephonic	
Reviewed by: (Names/Positions of Official(s) reviewing grievance)	
Action Taken:	
Whether Action Taken Disclosed:	Yes No
Means of Disclosure:	

शिकायत पंजीकरण प्रारूप

परियोजना में कार्यान्वयन के दौरान शिकायतों, सुझावों, सवालों एवं टिप्पणियों को स्वागत है।

कोई भी संबंधित व्यक्ति अपने नाम तथा स्थाई पते की जानकारी के साथ अपनी शिकायत/सुझाव प्रदान कर सकता है ताकि उससे संपर्क करके उचित स्पष्टीकरण अथवा समाधान किया जा सके।

यदि कोई व्यक्ति बिना अपना नाम व पता उजागर किये कोई सूचना चाहता है अथवा शिकायत करना चाहता है तो वह शिकायत पंजीकरण प्रारूप के लिफाफे पर गोपनीय (Confidential) लिख कर भी जमा करवा सकता है।

धन्यवाद

दिनांक	पंजीकरण का स्थान				
व्यक्तिगत जानकारी एवं स्थाई पता					
नाम		लिंग	पुरुष/महिला	उम्र	
घर का पता					
स्थान					
फोन नम्बर					
ई-मेल					
कृपया अपने शिकायत/सुझाव/टिप्पणी/सवाल की जानकारी विस्तृत रूप में दें जैसे— कौन, क्या, कहाँ और कैसे					
यदि आपने कोई पत्र/टिप्पणी/नोट संलग्न किया हो तो यहाँ अंकित करें।					
आपके द्वारा प्रेषित शिकायत/टिप्पणी पर प्रतिक्रिया या अपडेट आप तक कैसे पहुँचाया जाये/या आप किस प्रकार से चाहते हैं।					

केवल कार्यालय कार्यवाही के लिए

पंजीकरणकर्ता: शिकायत/सुझाव पंजीकरणकर्ता अधिकारी का नाम	
संचार का तरीका	
नोट/पत्र	
ई-मेल	
मौखिक/टेलीफोन से	
अवलोकनकर्ता/समीक्षक: शिकायतों का अवलोकनकर्ता का नाम एवं पद	
क्या कार्रवाई की गई:	
क्या कार्रवाई का खुलासा किया गया।	हां नहीं
प्रकटीकरण के तरीके	