

State Level Environment Impact Assessment Authority, Rajasthan

Main Building, Room No. 5221, Secretariat, Jaipur.

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No. FI. (4)/SEIAA/SEAC-Raj/Sectt/Project / Cat. I(a) B1 (15516)/2018-19

Dated:

M/s. Shree Shyam Alkies & Chemicals
(A Unit of M/s. ARM Infraestate Pvt. Ltd.)
129, Ground Floor, Scheme No. 01,
Arya Nagar, Alwar

10 SEP 2019

Sub:- EC for proposed plant for production Caustic Soda (150 TPD) with Chlorinated Paraffin Wax (40 TPD), Chlorinated Polyethylene (15 TPD) & 18% Poly Aluminium Chloride (100 TPD) at Plot No. 129, Matsya Industrial Area (MIA), Alwar (Proposal No-39327)

This has reference to your application dated 18.09.2018 seeking environmental clearances for the above project under EIA Notification 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification 2006 on the basis of the mandatory documents enclosed with the application viz. the questionnaire, EIA, EMP and additional clarifications furnished in response to the observation of the State Level Expert Appraisal Committee Rajasthan, in its meeting held on 3-6 September, 2019.

2 Brief details of the Project:

1. Category/Item No. (in Schedule):	Category "B"; Project or Activity '4(d)' & '5 (f)'		
2. Location of Project	Plot No. 129, Matsya Industrial Area (MIA), Alwar		
3. Project Details Land use Break up	Total plant area: 39,456 Sq.m (3.9456 Hectares) 13,020 Sq.m. (1.302 Hectare) i.e. 33% of the total project area – 39,456 Sq.m. (3.9456 Hectares) has been proposed to be developed under greenbelt / plantation.		
4. Salient features regarding products and process in brief including Plant Capacity.	PRODUCT DETAILS	UNIT	CAPACITY
	Caustic Soda (48% Lye / Flakes)	TPD	150
	Chlorinated Paraffin Wax	TPD	40
	Chlorinated Polyethylene	TPD	15
	Poly Aluminium Chloride (18%)	TPD	100



5. Raw Materials requirement (In case of more than one product Raw material for each product should be specified)	S. No.	Name of Raw Material	Quantity (TPD)	Source	Approx. Distance & Mode of Transportation
	Caustic Soda Plant				
	1.	Salt	240.0	Gandhidham, Gujarat	~950 Km/ Road/ Truck
	2.	Barium Carbonate	2.625	Delhi	~160 Km/ Road/ Truck
	3.	Sodium Carbonate	0.225	Delhi	~160 Km/ Road/ Truck
	4.	Sodium Sulphite	0.15	Delhi	~160 Km/ Road/ Truck
	5.	98% Sulphuric Acid	2.195	Jodhpur	~ 550 Km/ Road/ Tanker
	Chlorinated Paraffin Wax				
	6.	Paraffin	20.4	Imported at Kandla Port, Gujarat	960 Km/ Road/ Truck
	7.	Chlorine	44.0	In-house	-
	8.	Stabilizer	0.3	Delhi	160 Km/ Road/ Tanker
	Chlorinated Polyethylene				
	9.	HDPE	9.75	Imported at Kandla Port, Gujarat	960 Km/ Road/ Truck
	10.	Chlorine	11.25	In-House	-
	Poly Aluminium Chloride				
	11.	Aluminium Tri Hydrate	30	Mumbai	1300 Km/ Road/ Truck
12.	32% Hydrochloric Acid	70	In-House	-	
6. Solid waste /hazardous waste quantities and management	Type of Waste	Category of Waste	Quantity	Treatment / Disposal	
	ETP Sludge	34.3	200 TPA (with 10% moisture)	ETP/ZLD sludge will be collected separately in HDPE bags in separate storage area under cover on a non – percolating surface. This waste will be ultimately disposed off to the secured landfill site or to solid waste disposal agency	
	Brine Sludge	16.2	1600 TPA (with 30% moisture)	Brine sludge will be collected separately in HDPE bags in separate storage area under cover on a non – percolating surface. This will be ultimately disposed off to the secured landfill site or to solid waste disposal agency	
	Spent Ion Exchange Resins	33.2	500 litres per annum	Collection, storage, transportation and disposal to TSDF site	
	Used /Spent oil	10.2	12 KL	Sold to CPCB registered recycler	
	Discarded Carboys /bags	-	40 Drums/Month 30 Empty Bags Month	Stored in go down and sold to registered recyclers	
7. Use of substances or materials which are hazardous	Hazardous waste generated will be given to the authorized vendor approved by CPCB/RPCB for further recovery / Recycle. ETP Sludge and Brine sludge will be disposed off to the secured landfills; spent ion exchange resin will be sent to TSDF; used/spent oil and discarded carboys/bags will be sold to registered recyclers				

8.	Project Cost	Rs. 125 Crores/-							
9.	Water Requirement & Source	Water requirement for the proposed project is 1480.5 KLD (Fresh Water 900 KLD + Recycle Water 580.5 KLD). Freshwater will be sourced from Ground Water after getting approval from CGWA. Application for obtaining permission for withdrawal of Fresh water (900 KLD) has been submitted to CGWA.							
		S. No.	Purpose	Fresh Water Requirement (KLD)	Recycled Water Requirement (KLD)	Total Water Requirement (KLD)			
		1.	Caustic Soda Plant Requirement	702.5	580.5	1283			
		2.	PAC Plant Requirement	124	-	124			
		3.	CPE Plant Requirement	65	-	65			
		4.	*CPW Plant Requirement	-	-	-			
		5.	Domestic Requirement	8.5	-	8.5			
		Total		900	580.5	1480.5			
		* CPW Plant Requirement: 74 KLD will be Recycled Water from CPE Plant.							
10.	Fuel & Energy	Fuel: The fuel requirement for the proposed project is as follow:							
		S. No.	Name	Quantity (TPD)	Source	Approx. Distance & Mode of Transportation	Calorific value (Kcal./kg)	% Ash	% Sulphur
		1.	Diesel (KLD)		Alwar	5 Kms/ Road /Truck	10000	0.01	0.25
			D.G. Set *	0.07					
			Total	0.07					
		2.	Indonesian Coal/US Coal		Imported at Kandla Port, Gujarat	960 Kms/ Road /Truck	5600	1-10	<1.0
			Boiler	31.0					
			Total	31.0					
		* In case of emergency for power backup							
		Power: Total power requirement after proposed project will be 18 MW, Jaipur Vidhyut Vitran Nigam Limited (JVVNL) and in case of emergency & to meet the power requirement, 1 no. of DG Set of 750 KVA Capacity is also envisaged.							
		S. No.	Particular	Requirement (MW)		Source			
		1.	Caustic Soda Plant	15.46		Jaipur Vidhyut Vitran Nigam Limited (JVVNL) and in case of emergency & to meet the power requirement, 1 no. of DG Set of 750 KVA Capacity.			
		2.	Chlorinated Paraffin Wax Plant	0.25					
		3.	Chlorinated Polyethylene Plant	0.06					
		4.	Poly Aluminium Chloride Plant	0.30					
		5.	Miscellaneous facilities and safe operating margin	1.93					
		Total		18.0					
11.	Environment	Environment Management Plan for the proposed project has been prepared and a detailed budgetary							

Management Plan along with Budgetary breakup	allocation for EMP as capital cost of Rs. 425 lacs and for recurring cost of Rs. 285 Lacs/annum. Details are given as under.			
	S. No.	Particular	Capital Cost (Lacs)	Recurring Cost / annum(Lacs)
	1.	Air Pollution Control	145	60
	2.	Water Pollution Control & Water Management	215	150
	3.	Noise Pollution Control	5	-
	4.	Environmental Monitoring and Management	25	5
	5.	Green Belt	35	10
	6.	Other (Agreement with hazardous waste disposal agency in annual contract mode as per SPCB guidelines)	-	60
		Total	425	285
12. CSR Activities along with budgetary breakup	An amount of Rs. 1.88 Crores has been earmarked for Corporate Environment Responsibility (i.e CER) activities for next 5 years to handle the socio-economic influence on the local community as per MOEFCC OM vide no. F. No. 22-65/2017-IA.III dated 1 st May, 2018			
	PARTICULAR			AMOUNT (Lacs)
	A. NATURAL RESOURCES CONSERVATION :-			
	1.	Providing solar lights in premises of Govt. Primary Schools at Govt. Upper Primary School, Dadikar (Umren: Alwar), Govt. Upper Primary School, Bhoogor (Umren: Alwar) & State Model Higher Secondary School, Dadikar (Umren: Alwar), Raj.		15.2
	B. CONSTRUCTION/ MAINTENANCE ACTIVITIES IN VILLAGE SCHOOLS AND AANGANWADI :-			
	Govt. Upper Primary School, Dadikar (Umren: Alwar), Raj.			
	1.	Verandah construction work in two rooms		8.00
	2.	Furniture in cells from Class I to VIII		2.00
	3.	Four nos. Large wardrobe requirement		0.30
	4.	One Laptop and One printer requirement		0.50
	5.	One inverter requirement		0.20
	6.	Ten nos. Computer requirement		1.50
	7.	Need ten nos. chair and five nos. tables for school staff		0.15
	8.	Two large box requirement		0.10
	9.	One no. office Table & One Chair		0.10
	10.	Schooling: Color & Painting		0.50
	11.	Creation of badminton court and Basketball court		1.00
	12.	Work of tank construction and fittings on toilets		0.50
	13.	Repair and reconstruction of room chambers and windows of class rooms		0.35
	14.	The establishment of a library room		5.00
	15.	Smart Class room Installation		4.00
	Total			24.2
	Govt. Upper Primary School, Bhoogor (Umren: Alwar), Raj.			
	1.	Construction of two class rooms (20'*25")		8.50
	2.	Furniture 100 Sets		3.00

	3.	Two printer	0.50
	4.	Four nos. Large wardrobe	0.30
	5.	Schooling: Color & Painting	0.50
	6.	Repair of toilets	0.50
	7.	Water Cooler	0.50
	8.	One inverter Set	0.20
	Total		14.00
	State Model Higher Secondary School, Dadikar (Umren: Alwar), Raj.		
	1.	Height up to 5-5 feet of School wall	3.00
	2.	Building a verandah ahead of a school room	6.00
	3.	Creation of Basketball court	2.00
	4.	Filling and flatting of 300 square yard land, Schooling: Color & Precious words Painting	3.50
	5.	By applying a single phase motor by boring to the water system and water line fitting to students toilets	3.50
	6.	Bicycle stand for Students/Staff	1.00
	7.	Building a large hall to celebrate child celebration (120''*120'')	8.00
	Total		27.00
	Office of Chief Medical Officer State Satellite Hospital, Kala Kunwa, Alwar		
	1.	ICU Bed- 2 nos.	2.00
	2.	OT Table - 1 no.	1.70
	3.	Labour Table - 2 nos.	0.50
	4.	Examination Table - 5 nos.	0.20
	5.	Bed Side Locker - 30 nos.	0.50
	6.	Patient Attendant Benches with Mattress - 20 nos.	1.00
	7.	IV Drip Stand - 30 nos.	0.40
	8.	D-Type Big Size Medical Oxygen Cylinder (Managanese Steel) - 5 nos.	0.50
	9.	Dressing Trolley - 2 nos.	0.10
	10.	OT light - 2 nos.	0.30
	11.	Air Conditioner 2 Ton - 4 nos.	2.50
	12.	3-Channel ECG Machine - 1 no.	0.30
	Total		10.00
	C. Rainwater Harvesting/Artificial Groundwater Recharge Structures		
	1.	Construction/Maintenance of 8 Nos Rainwater Harvesting/Artificial Groundwater Recharge Structures at village Nikach, Hazipur (606), Hazipur (29), Zugrawar, Pipli ka Bas, Dhaneta, Nakhnol & Baramda	40.00
	D. PLANTATION IN SCHOOL, GOVT. OFFICES IN SURROUNDING AREA		
	1.	Plantation during monsoon season in surrounding Govt. offices, schools and villages	15.60
	E. Sustainable Livelihood		
	1.	Promotion of Income generating activities viz. Vocational training centers, professional skills development program etc.	32.00
	F. Education		
	1.	Scholarship to Poor & Meritorious Students	5.00
	2.	Organizing district/state level Education Exhibition/Melas	5.00
	Total		10.00
	TOTAL (For 5 Years)		Rs. 188
13.	ETP	Liquid industrial effluent generated from process will be treated in ETP having capacity of 150	

		KLD.																																				
14.	Green Belt/Plantation	The Company has proposed to develop greenbelt / plantation in an area of 1.302 Hectare; which is approx. 33% of the total project area i.e. 3.9456 Hectare.																																				
15.	Budgetary Breakup for Labour	<p>Facilities for labors i.e. Rest Shelters, Sanitation facility, Safe drinking water facility, Periodical medical checkups / Health facility of labors with ambulance and First aid facility etc. will be provided at site.</p> <p>Apart from this additional facility i.e. Rest Shelters, Sanitation facility, Safe drinking water facility, and First aid facility etc. will be provided for truck drivers also.</p> <p>Budgetary breakup for labour/workers is as follows:</p> <table><tr><th>Particular</th><th>Budget allocation (in Lacs)</th></tr><tr><td>Rest Shelters for labours</td><td>1.50</td></tr><tr><td>Sanitation facility</td><td>2.50</td></tr><tr><td>Education for labours children's & Creche facility for children's of female labors.</td><td>2.50</td></tr><tr><td>Safe drinking water facility</td><td>0.50</td></tr><tr><td>Periodical medical checkups/ Health facility of labours</td><td>2.00</td></tr><tr><td>First aid facility at site</td><td>1.00</td></tr><tr><td>Total</td><td>10.00</td></tr></table>	Particular	Budget allocation (in Lacs)	Rest Shelters for labours	1.50	Sanitation facility	2.50	Education for labours children's & Creche facility for children's of female labors.	2.50	Safe drinking water facility	0.50	Periodical medical checkups/ Health facility of labours	2.00	First aid facility at site	1.00	Total	10.00																				
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16.	Manpower Requirement & Source	<p>The total manpower requirement for the proposed project will be 189 persons, out of which 74 employees will be hired on regular basis and 115 employees will be hired on contractual basis.</p> <table><tr><th>No.</th><th>Particulars</th><th>Regular</th><th>Contractual</th><th>Total</th><th>Source</th></tr><tr><td>1.</td><td>Caustic Soda Plant</td><td>55</td><td>60</td><td>115</td><td>Nearby Villages Area / Outside</td></tr><tr><td>2.</td><td>Chlorinated Paraffin Wax (CPW) Plant</td><td>5</td><td>11</td><td>16</td><td>Nearby Villages Area / Outside</td></tr><tr><td>3.</td><td>Chlorinated Polyethylene (CPE) Plant</td><td>9</td><td>24</td><td>33</td><td>Nearby Villages Area / Outside</td></tr><tr><td>4.</td><td>Poly Aluminium Chloride (PAC) Plant</td><td>5</td><td>20</td><td>25</td><td>Nearby Villages Area / Outside</td></tr><tr><td colspan="2">Total</td><td>74</td><td>115</td><td>189</td><td>-</td></tr></table>	No.	Particulars	Regular	Contractual	Total	Source	1.	Caustic Soda Plant	55	60	115	Nearby Villages Area / Outside	2.	Chlorinated Paraffin Wax (CPW) Plant	5	11	16	Nearby Villages Area / Outside	3.	Chlorinated Polyethylene (CPE) Plant	9	24	33	Nearby Villages Area / Outside	4.	Poly Aluminium Chloride (PAC) Plant	5	20	25	Nearby Villages Area / Outside	Total		74	115	189	-
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Total		74	115	189	-																																	
17.	Baseline Monitoring & Study	The Environmental Baseline Study and data collection for air, water, noise and soil along with details of flora, fauna & socio-economic conditions within the study area of the project has been done for Winter Season (December,2018 to February,2019) by JM Envirolab Pvt. Ltd., Gurugram (Haryana) (NABL/T/C/0884/17).																																				

3 The SEAC Rajasthan after due considerations of the relevant documents submitted by the project proponent and additional clarifications/documents furnished to it have recommended for Environmental Clearance with certain stipulations. The SEIAA Rajasthan after considering the proposal and recommendations of the SEAC, Rajasthan in its 4.24th Meeting held on 16.09.2019 hereby accord Environmental Clearance to the project as per the provisions of Environmental Impact Assessment Notification 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:

1. Statutory compliance



- i. The project proponent shall obtain forest clearance under the provisions of Forest (Conservation) Act, 1986, in case of the diversion of forest land for non-forest purpose involved in the project.
- ii. The project proponent shall obtain clearance from the National Board for Wildlife, if applicable.
- iii. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report. (incase of the presence of schedule-I species in the study area)
- iv. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
- v. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- vi. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.

2. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognised under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognised under Environment (Protection) Act, 1986.
- iii. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM25 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area at least at four locations (one within and three outside the plant area at an angle of 120 each), covering upwind and downwind directions.
- iv. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- v. Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be followed.
- vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with

3. Water quality monitoring and preservation

- i. The project proponent shall provide online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises (applicable in case of the projects achieving ZLD)



- ii. As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises (applicable in case of the projects achieving the ZLD).
- iii. The effluent discharge shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the State Pollution Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- iv. Total fresh water requirement shall not exceed the proposed quantity or as specified by the Committee. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.
- v. Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vi. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
- vii. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

4. Noise monitoring and prevention

- i. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- ii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.
- iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

5. Energy Conservation measures

The energy sources for lighting purposes shall preferably be LED based.


6. Waste management

- i. Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.
- ii. Process organic residue and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.
- iii. The company shall undertake waste minimization measures as below:-
 - a. Metering and control of quantities of active ingredients to minimize waste.
 - b. Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.
 - c. Use of automated filling to minimize spillage.
 - d. Use of Close Feed system into batch reactors.
 - e. Venting equipment through vapour recovery system.
 - f. Use of high pressure hoses for equipment clearing to reduce wastewater generation

7. Green Belt

The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.

8. Safety,


- i. Public hearing and Human health issues.
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- ii. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- iii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- iv. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.
- v. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- vi. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vii. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- viii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places

9. Corporate Environment Responsibility

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility.
- ii. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements /deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- v. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

10. Miscellaneous:

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
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- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
- iv. The project proponent shall monitor the criteria pollutants level namely; PM₁₀, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vi. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- vii. The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.
- viii. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- xi. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xii. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xiii. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xiv. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
- xv. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.
- xvi. Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 11.** The PP shall ensure the implementation of the commitments in respect of addressing Environmental and Social issues.
- 12.** The P.P. shall ensure taking necessary steps on urgent basis to improve the living conditions of the labour at site and provide health facility, sanitation facility, fuel for cooking,



along with safe drinking water, medical camps, and toilets for women, crèche for infants. As proposed the PP shall earmark and spend an amount of Rs. 10 lac as annual recurring cost for labour welfare.

13. Total water demand will be 1480.5 KLD (Fresh Water 900 KLD + Recycle Water 580.5 KLD). The necessary permission of water supply should be submitted to RSPCB at the time of applying for CTE. At the time of applying for CTE the PP should get it confirmed from RSPCB that no illegal bore well exists in the proposed site.

14. As proposed waste water will be generated both from the industrial as well as domestic use. This waste water will be treated in ETP of 150 KLD capacity, keeping zero liquid discharge (ZLD) by way of reusing of entire waste water partly for plantation and partly for reusing in process, etc. The construction of the ETP should be carried out simultaneously with that of the project and should be functional before the project is put into use. The ETP shall have a separate hourly meter and energy meter. An independent expert shall certify the installation of the Effluent Treatment Plants (ETP) and a report in this regard shall be submitted to the RPCB, before the project is commissioned for operation. Treated waste water shall conform to the norms & standards of the Rajasthan State Pollution Control Board. The EC shall be subject to the compliance of the Hon'ble NGT/Supreme Court orders issued from time to time regarding the ZERO LIQUID DISCHARGE (ZLD). Further the treated effluent norms shall be confirmed according to the guidelines issued by CPCB.

15. For withdrawing ground water from bore wells, necessary permission from CGWA should be taken.

16. The height of the stack for disbursement of the process emissions shall not be less than 30.00 Mtrs. from ground level.

17. In case of coal fire boiler the PP shall explore the possibility of use of gas.

18. The PP shall draw the Safety, Health & Environment (SHE) Plan and submit to RPCB.

19. The PP shall provide separate drainage and outlets with the precaution that the storm water shall not come into contact with waste sludge.

20. The unit shall obtain proper authorization from Rajasthan State Pollution Control Board, if it generates any waste which falls under the purview of HWMHR-2008.

21. Suitable alarm system and standard procedure for transmitting the information on the occurrence of an accident to the proper focal point shall be established.

22. The PP will ensure that no employee or worker remains on duty within the plant premises for more than 8 hours per day in one stretch in normal conditions. However based on plant operation and maintenance tasks, overtime can be provided as per the Rajasthan Factories rules for personnel deployed for more than 8 hours.

23. The funds earmarked for the environmental protection measures shall be kept in separate account and shall not be diverted for other purposes and year wise expenditure shall be reported to the Rajasthan State Pollution Control Board under the rules prescribed for environmental audit.


24. The PP shall ensure taking necessary steps on urgent basis to improve the living conditions of the construction labour at site.

General Conditions:

1. No further expansion or modifications in the project shall be carried out without prior approval of the SEIAA/Ministry of Environment and Forests as the case may be. In case of deviations or alterations in the project proposal from those submitted to this Authority for clearance, a fresh reference shall be made to the Authority to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.



2. Officials from the Department of Environment, Government of Rajasthan, Jaipur/ Regional Office of MoEF, Lucknow, RSPCB who would be monitoring the implementation of Environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to SEIAA should be forwarded to the CCF, Regional Office of MoEF, Lucknow / SEIAA, Department of Environment, Government of Rajasthan, Jaipur / RSPCB.
3. The Authority reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provision of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.
4. These stipulations would be enforced among others under the provisions of water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006, along with their amendments and rules.
5. The SEIAA, Rajasthan may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
6. The environmental statement for each financial year ending 31st March in Form-V shall be submitted to the Rajasthan State Pollution Control Board/SEIAA as prescribed under the environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Lucknow Regional offices of MoEF/SEIAA by e-mail as well as hard copy dually signed by competent person of company.


(Dr. D.N. Pandey)
Member Secretary,
SEIAA, Rajasthan.

No. F1 (4)/SEIAA/SEAC-Raj/Sectt/Project / Cat. 1(a) B1 (15516)/ 2018-19 Jaipur, Dated:

Copy to following for information and necessary action:

1. Secretary, Ministry of Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
2. Principal Secretary, Environment Department, Rajasthan, Jaipur.
3. Sh. R.K. Meena, IAS (Retd.), B-75, Shankar Vihar, 50 Feet Gaitore Road, Sawai Gaitor, Jaipur
4. Dr. Anil Kumar Goel IFS (Retd.), Forest Colony, Sector 4, Jawahar Nagar, Jaipur.
5. Member Secretary, Rajasthan State Pollution Control Board, Jaipur for information & necessary action and to display this sanction on the website of the Rajasthan Pollution Control Board, Jaipur.
6. Sh Rajesh Thakuriya, Member Secretary, SEAC Rajasthan.
7. The CCF, Regional Office, Ministry of Environment & Forests, RO(CZ), Kendriya Bhawan, 5th Floor, Sector 'H', Aliganj, Lucknow-226 020.
8. Environment Management Plan- Division, Monitoring Cell, Environment, Forest & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003.
9. Sh. Jagbir Singh Manral, ACP, Department of Environment, Government of Rajasthan, Jaipur with the direction to upload the copy of this Environment Clearance on the website.


M.S. SEIAA (Rajasthan)