

Project Name:

Revamping of existing Urea Plants (Urea-I @1,03,200 MTPA & Urea II @2,64,000 MTPA= total production capacity 3,67,200 MTPA), located at GSFC Complex at Fertilizernagar, Vadodara, Gujarat (Plant area 328 ha.) by M/s Gujarat State Fertilizers & Chemicals Limited

Name of Product	Existing	Proposed	Total
Urea	367200	0 (Revamping with same capacity)	367200

Current Status. : RFP for Revamping project on EPC basis is floated. Technical queries of Bidders are resolved and final price bid is expected to be submitted by Bidder by the end of June-2022.

EC No.: IA-J-11011/901/2007-IA-II(I) dated 24.01.2022

COMPLIANCE OF CONDITIONS GIVEN IN ENVIRONMENT CLEARANCE No. : IA-J-11011/901/2007-IA-II(I) dated 24.01.2022 -
FOR REVAMPING OF EXISTING UREA PLANTS (UREA-I @1,03,200 MTPA & UREA II @2,64,000 MTPA= TOTAL PRODUCTION
CAPACITY 3,67,200 MTPA), LOCATED AT GSFC COMPLEX

Sr. No.	Conditions	Compliance Status (Period Oct '21 to March '22)
A	SPECIFIC CONDITION	
(i)	The Unit shall comply with all the Specific and General EC conditions, as mentioned in the existing ECs. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	For the existing ECs, six monthly compliance is regularly submitted to MoEFCC.
(ii)	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP and other Reports in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.	<p>EMP : Revamping of existing Urea Plants (Urea-I & II) will be done by replacing existing total recycle process to latest ammonia stripping process to achieve the energy norms. There shall be no increase in air pollution. Wastewater Treatment Section will be installed to recover NH₃, CO₂ and Urea contained in the process water and, at the same time, to produce clean process condensate, which can be used as Cooling Tower Makeup.</p> <p>Risk assessment study has been undertaken to identify the Hazard and preparation of mitigation. All measures are already adopted as per the guideline. A separate EMP cell, Fire & Safety cell and Occupational Health Centre are provided in the plant for compliance of Environmental management plan.</p> <p>Following conclusions and recommendations provided during risk assessment are:</p> <ul style="list-style-type: none"> ✚ The existing ammonia storage facilities will be used. ✚ The safety measures and emergency actions being taken for risk and associated hazards are adequate and are being followed properly. ✚ On-site and off-site emergency action plan should be regularly followed and complied. ✚ Regular mock-drills should be done, and the assessment should be done via audits. ✚ Provision of ammonia detectors/sensors at strategic locations in the common corridors should be maintained. ✚ Other hazardous pipelines (acid/hazardous materials/inflammable materials) should be located away with all safety measures. ✚ Regular hazard survey should be done to ensure detection of leakage in the plant. <p>Other risk mitigation measures and safeguards are as under :</p> <ul style="list-style-type: none"> ✚ Hazard Identification and Risk Assessment..

		<ul style="list-style-type: none"> ✚ Work Permit System procedure has been established for safely execution of job. ✚ Electrical isolation/Lock Out and Tag Out procedure has been established for Isolation of energized equipment's/ machineries. Standard Operating procedures. ✚ Start-up procedure shut down procedure, emergency procedure is being followed. ✚ Inbuilt safety measures such as trips, alarms, logics. ✚ Safety instrumentation- DCS System for plant process monitoring has been established. For the proposed revamping project, DCS shall be established. ✚ DISH Approved training centre to impart training for all the level of employees/Contract workmen. ✚ MSDS related to all the chemicals used in complex are available. ✚ On-site emergency Plan & Mock drills. ✚ Various PPES, Fire extinguishers, safety showers, first aid boxes (filled) & air masks, Gas masks etc. are provided at various Hazardous installations. 				
(iii)	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	Urea Revamping Project itself is an energy reduction Project. After implementation of this Project, approximately 60000 Certified Emission Reduction (CER) earning will be there per year. Company has purchased and distributed 300 nos of e-bicycles for commutation of employees inside battery limit to reduce the emission generated due to use of car & bikes using diesel/petrol.				
(iv)	No banned raw materials/chemicals shall be used in the unit. The project proponent shall adhere to the notifications/guidelines of the Government in this regard.	Complied. No banned raw materials/chemicals is used in the unit. GSFC follows the notifications/guidelines of the Government in this regard.				
(v)	The continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server.	<p>Continuous online monitoring system for existing Urea-I & II plant is installed and same will be utilized after revamping. The gaseous pollutants emitted from the existing facilities are regularly monitored through NABL approved lab & in- house laboratory. The report is submitted to GPCB & MoEF regional office on half yearly basis.</p> <p><u>Existing stack parameters details as per OMS for Compliance period Oct '21 to March '22:</u></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">Stack Id and Norms</td> <td style="width: 25%; text-align: center;">UREA_MELA_EC S-Ammonia - (Limit:175 mg/Nm3)</td> <td style="width: 25%; text-align: center;">Stack_P_1_UREA_I _I_Prilling_tower- Ammonia - (Limit:175</td> <td style="width: 25%; text-align: center;">Stack_P_1_UREA_I Prilling_tower-PM - (Limit: 150 mg/Nm3)</td> </tr> </table>	Stack Id and Norms	UREA_MELA_EC S-Ammonia - (Limit:175 mg/Nm3)	Stack_P_1_UREA_I _I_Prilling_tower- Ammonia - (Limit:175	Stack_P_1_UREA_I Prilling_tower-PM - (Limit: 150 mg/Nm3)
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		Avg	9.33	8.46
		Min	7.87	7.42
		Max	11.6	9.73
		Stack Id and Norms	Stack_P_2_UREA _II_Prilling_tower- Ammonia - (Limit: 150 mg/Nm3)	Stack_P_2_UREA _II_Prilling_tower- PM - (Limit: 150 mg/Nm3)
		Avg	9.81	46.69
		Min	8.41	12.72
		Max	11.42	116.11
	For 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.	Apart from above, effluent from other manufacturing facilities of premise is treated and discharged to common effluent conveyance channel of M/s VECL with real time effluent monitoring. Hence as a part of effluent discharging unit, online continuous effluent monitoring system has been installed as per prevailing guideline.		
(vi)	The storage of toxic/hazardous raw material shall be bare minimum with respect to quantity and inventory. Quantity and days of storage shall be submitted to the Integrated Regional Office of Ministry and SPCB along with the compliance report.	Noted. Liquid Ammonia is stored in double walled double integrity storage tanks with bare minimum quantity.		
(vii)	The treated waste water 613.68 KLD shall be discharge through GSFC drainage system for deep sea disposal after conform to the standards prescribed under the Environment (Protection) Rules, 1986.	Noted & data will be submitted after start up of plant operation.		
(viii)	Total fresh water requirement shall not exceed 2907.6 KLD. Necessary permission obtained in this regard shall be renewed from time to time. The fresh water demand shall be reduced by 10% using rain water harvesting system.	Noted & data will be submitted after start up of plant operation. Necessary actions have been initiated in the company for rainwater harvesting in ADM building. Rainwater will be stored in Chhani pond and will be reused in process.		
(ix)	As proposed by PP, Rs.12 Crores shall be allocated	For the year 2021-22, statutory requirement for CSR is Rs. 7.69 Crores against that		

	towards CSR for the complex for 2021-22.	GSFC has spent Rs. 9.76 Crores.																																													
(x)	The occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers.	<p>GSFC has a fully fledged 25 bed hospital with various facilities like central oxygen facilities (24x7), first aid boxes (125 no.). The hospital posses fully equipped indoor facilities like the following:</p> <ul style="list-style-type: none"> • Digital X-ray • Full fledged Physiotherapy • ECG multi parameter, defibrillator ventilator • Fully equipped advanced laboratory • Advanced Pharmacy • ICU Beds, Sterilized Dressing Pad • First responder facilities with splint, eye wash bottles, safety shower • Emergency communication <p>Regular health check up (six monthly) of employees is carried out by Occupational Health Centre located within premises. Records are maintained at OHC. Month wise summery of employees who underwent periodical and pre medical examination and tests/investigations carried out during medical examination are given below.</p> <p>Periodical Medical Examination details for compliance period Oct '21 to March'22:</p> <table border="1"> <thead> <tr> <th rowspan="2">Month</th> <th colspan="3">Periodical Medical Examination numbers</th> </tr> <tr> <th>Employees</th> <th>Contract worker</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Oct '21</td> <td>288</td> <td>15</td> <td>303</td> </tr> <tr> <td>Nov '21</td> <td>294</td> <td>18</td> <td>312</td> </tr> <tr> <td>Dec '21</td> <td>307</td> <td>13</td> <td>320</td> </tr> <tr> <td>Jan '22</td> <td>129</td> <td>11</td> <td>140</td> </tr> <tr> <td>Feb '22</td> <td>129</td> <td>11</td> <td>140</td> </tr> <tr> <td>March '22</td> <td>286</td> <td>34</td> <td>320</td> </tr> <tr> <td>Total</td> <td>1433</td> <td>102</td> <td>1535</td> </tr> </tbody> </table> <p>Pre-Medical Examination details:</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Pre-medical Examination numbers</th> </tr> </thead> <tbody> <tr> <td>October-21</td> <td>3</td> </tr> <tr> <td>November-21</td> <td>0</td> </tr> <tr> <td>December-21</td> <td>3</td> </tr> <tr> <td>January -22</td> <td>0</td> </tr> </tbody> </table>	Month	Periodical Medical Examination numbers			Employees	Contract worker	Total	Oct '21	288	15	303	Nov '21	294	18	312	Dec '21	307	13	320	Jan '22	129	11	140	Feb '22	129	11	140	March '22	286	34	320	Total	1433	102	1535	Month	Pre-medical Examination numbers	October-21	3	November-21	0	December-21	3	January -22	0
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	All workers & employees shall be provided with required safety kits/mask for personal protection.	All workers & employees are provided necessary safety kits/mask for personal protection.																				
(xi)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.	<p>Complied. Regular training on safety and health aspects are organized by safety and Medical Services department and workers are deputed for the same.</p> <p>Safety training imparted to workers/employees detail for compliance period Oct '21- March '22 by Safety department :</p> <table border="1"> <thead> <tr> <th>Month</th> <th>Training Topic</th> <th>Nos. of members present</th> </tr> </thead> <tbody> <tr> <td>Oct '21</td> <td rowspan="3">NIL</td> <td rowspan="3">-</td> </tr> <tr> <td>Nov '21</td> </tr> <tr> <td>Dec '21</td> </tr> <tr> <td>Jan '22</td> <td>Transportation Safety</td> <td>87</td> </tr> <tr> <td></td> <td>EST Refresher Training Program</td> <td>174</td> </tr> <tr> <td>Feb '22</td> <td>Transportation Safety</td> <td>40</td> </tr> <tr> <td>March '22</td> <td>Transportation Safety</td> <td>46</td> </tr> </tbody> </table>	Month	Training Topic	Nos. of members present	Oct '21	NIL	-	Nov '21	Dec '21	Jan '22	Transportation Safety	87		EST Refresher Training Program	174	Feb '22	Transportation Safety	40	March '22	Transportation Safety	46
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(xii)	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.	Complied. Fire-fighting system as per norms for present operation is in place and being maintained. Additional Fire-fighting installations for proposed revamping shall be installed during construction phase and before commissioning of revamped plant.																				
(xiii)	Necessary precautions shall be taken to avoid accidents and action plan shall be implemented for avoiding accidents.	All necessary safety precautions shall be taken during construction phase and present work permit system with safety permits and SOP being followed in plant operation & maintenance activities.																				
(xiv)	The storm water from the roof top shall be channelized through pipes to the storage tank constructed for harvesting of rain water in the premises and harvested water shall be used for various industrial processes in	Necessary actions have been initiated in the company for rainwater harvesting in ADM building. Rainwater will be stored in Chhani pond and will be reused in process.																				


	<p>the unit. No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.</p>	<p>Rain water recharge structure located outside the factory premise. Necessary precaution is taken to ensure the process effluent/any wastewater does not get mixed by storm water.</p>																		
(xv)	<p>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.</p>	<p>Noted and will be taken care.</p>																		
(xvi)	<p>The green belt of at least 5-10 m width shall be developed in nearly 33 % of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map. Trees have to be planted with spacing of 2m x 2m and number of trees has to be increased accordingly. The plant species can be selected that will give better carbon sequestration and plantation shall be started from first year onwards.</p>	<p>The total area of premises is 328 ha. The green belt area is 123.2 Ha which is 37.56% of total plot area. Hence meeting CPCB guidelines.</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Particulate</th> <th>Total Area (Ha)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Plant Area(Processing)</td> <td>174.7</td> </tr> <tr> <td>2</td> <td>GSFC Township</td> <td>30.1</td> </tr> <tr> <td>3</td> <td>Green Belt (In Plant)</td> <td>32.8</td> </tr> <tr> <td>4</td> <td>Green Belt (Township)</td> <td>90.4</td> </tr> <tr> <td></td> <td>Total area</td> <td>328</td> </tr> </tbody> </table>	Sr. No.	Particulate	Total Area (Ha)	1	Plant Area(Processing)	174.7	2	GSFC Township	30.1	3	Green Belt (In Plant)	32.8	4	Green Belt (Township)	90.4		Total area	328
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(xvii)	<p>The activities and the action plan proposed by the project proponent to address the socio-economic issues in the study area, shall be completed as per the schedule presented before the Committee and as described in the EMP report in letter and spirit.</p>	<p>It is believed that the project will be provide more benefits both to environmental and socio-economic aspects as per given below;</p> <ul style="list-style-type: none"> ✚ It is expected to gain income and upsurge the turnover of GSFC. ✚ It will ease the availability of chemical fertilizers to farmers. ✚ The proposed revamping project would generate direct and indirect employment opportunities, which will benefit the local people during Construction period that would help in decrease of migration. ✚ Business opportunities to the local people shall be available during the Construction phase. ✚ It will improve the economy of the local nearby vendors. ✚ The Project shall contribute towards local training and employment programmes. 																		


		<p>✚ There will be some boost to the state's business sector, including manufacturing, construction, transport, engineering, and related consultancies.</p>																																																																																																				
(xviii)	<p>A separate Environmental Management Cell (having qualified person with Environmental Science/ Environmental Engineering/ specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.</p>	<p>Complied, GSFC has separate environment cell and fully fledged laboratory facilities for environment management and monitoring. EMC details like name of persons, designation, and technical qualification along with parameter wise equipment available for in-house monitoring are listed below.</p> <p>EC Dept. Staff list:</p> <table border="1"> <thead> <tr> <th>Sr. No.</th> <th>Name of employees</th> <th>Designation</th> <th>Tech. Qualification</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>S J Parikh</td> <td>SVP (U & EC)</td> <td>B.E (Chemical)</td> </tr> <tr> <td>2</td> <td>K S Badlani</td> <td>Sr. VP (I& MB,U&EC & FU)</td> <td>B.E (Chemical)</td> </tr> <tr> <td>3</td> <td>P D Kachchhi</td> <td>Chief (EC) & Dy.MR</td> <td>B.E. (Env.), PDIS</td> </tr> <tr> <td>4</td> <td>Mrs.S Y Singh</td> <td>Sr. Mgr (EC)</td> <td>B.E. (Civil)</td> </tr> <tr> <td>5</td> <td>Prashant U Kadu</td> <td>Sr. Mgr (EC)</td> <td>B.E. (TEXTILE)</td> </tr> <tr> <td>6</td> <td>Jaxesh P Trivedi</td> <td>Mgr (EC)</td> <td>B.E (Chemical), M.Tech (EPD), PDIS</td> </tr> <tr> <td>7</td> <td>Ashok H Shah</td> <td>Mgr (EC)</td> <td>B. Sc (Chemistry)</td> </tr> <tr> <td>8</td> <td>Jayesh M Dave</td> <td>Add.Mgr(EC)</td> <td>B. Sc (Chemistry)</td> </tr> <tr> <td>9</td> <td>Prateek Jain</td> <td>Dy.Mgr (EC).</td> <td>B. Tech. (Chem.)</td> </tr> <tr> <td>10</td> <td>Pankaj K Sharma</td> <td>Plant Engineer.</td> <td>B.Tech. (Chem.)</td> </tr> <tr> <td>11</td> <td>Mosmi M Patel</td> <td>Env. Engg.</td> <td>B.Tech. (RE & EE)</td> </tr> <tr> <td>12</td> <td>S I Malek</td> <td>Plant Engineer</td> <td>B. Sc (Chemistry)</td> </tr> <tr> <td>13</td> <td>Rajesh K Desai</td> <td>Foreman</td> <td>B.SC Chemistry, DIPC, MS in Env. Sci. under DLP</td> </tr> <tr> <td>14</td> <td>Ambalal K Rana</td> <td>Sr.Operator</td> <td>B. Sc (Chemistry)</td> </tr> <tr> <td>15</td> <td>Anil L Arora</td> <td>Sr.Operator</td> <td>B. Sc (Chemistry)</td> </tr> <tr> <td>16</td> <td>M R Chandekar</td> <td>Sr.Operator</td> <td>ITI</td> </tr> <tr> <td>17</td> <td>Vipul R Upadhyay</td> <td>Sr.Operator</td> <td>B. Sc (Chemistry)</td> </tr> <tr> <td>18</td> <td>PC Maisuriya</td> <td>Sr.Operator</td> <td>SSC</td> </tr> <tr> <td>19</td> <td>H V Shah</td> <td>Plant Engr.</td> <td>B. Sc (Chemistry)</td> </tr> <tr> <td>20</td> <td>MM Parmar</td> <td>Sr.Operator</td> <td>SSC</td> </tr> <tr> <td>21</td> <td>Jayesh Solanki</td> <td>Sr. Operator</td> <td>Old SSC</td> </tr> <tr> <td>22</td> <td>Rajesh H Patel</td> <td>Sr. Operator</td> <td>B. Sc (Chemistry)</td> </tr> <tr> <td>23</td> <td>Kanubhai B Padhiyar</td> <td>Operator</td> <td>B. Sc (Chemistry)</td> </tr> <tr> <td>24</td> <td>Hitesh D Patel</td> <td>Operator</td> <td>M.Sc (Env. Sci.)</td> </tr> </tbody> </table>	Sr. No.	Name of employees	Designation	Tech. Qualification	1	S J Parikh	SVP (U & EC)	B.E (Chemical)	2	K S Badlani	Sr. VP (I& MB,U&EC & FU)	B.E (Chemical)	3	P D Kachchhi	Chief (EC) & Dy.MR	B.E. (Env.), PDIS	4	Mrs.S Y Singh	Sr. Mgr (EC)	B.E. (Civil)	5	Prashant U Kadu	Sr. Mgr (EC)	B.E. (TEXTILE)	6	Jaxesh P Trivedi	Mgr (EC)	B.E (Chemical), M.Tech (EPD), PDIS	7	Ashok H Shah	Mgr (EC)	B. Sc (Chemistry)	8	Jayesh M Dave	Add.Mgr(EC)	B. Sc (Chemistry)	9	Prateek Jain	Dy.Mgr (EC).	B. Tech. (Chem.)	10	Pankaj K Sharma	Plant Engineer.	B.Tech. (Chem.)	11	Mosmi M Patel	Env. Engg.	B.Tech. (RE & EE)	12	S I Malek	Plant Engineer	B. Sc (Chemistry)	13	Rajesh K Desai	Foreman	B.SC Chemistry, DIPC, MS in Env. Sci. under DLP	14	Ambalal K Rana	Sr.Operator	B. Sc (Chemistry)	15	Anil L Arora	Sr.Operator	B. Sc (Chemistry)	16	M R Chandekar	Sr.Operator	ITI	17	Vipul R Upadhyay	Sr.Operator	B. Sc (Chemistry)	18	PC Maisuriya	Sr.Operator	SSC	19	H V Shah	Plant Engr.	B. Sc (Chemistry)	20	MM Parmar	Sr.Operator	SSC	21	Jayesh Solanki	Sr. Operator	Old SSC	22	Rajesh H Patel	Sr. Operator	B. Sc (Chemistry)	23	Kanubhai B Padhiyar	Operator	B. Sc (Chemistry)	24	Hitesh D Patel	Operator	M.Sc (Env. Sci.)
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24	Hitesh D Patel	Operator	M.Sc (Env. Sci.)																																																																																																			

		25	Bhavesh C Patel	Operator	M.Sc (Indus. Chem)
		26	MB Kharachia	Sr. Operator	SSC
		27	KN Chavda	Foreman	SSC
		28	Pankaj C Patel	Jr. Operator	HSC Pass
		29	Biren R Patel	Jr. Operator	M.Sc. (Env), PDIS, Cert. (Dis.Mgmt)
		30	Purvish S Shah	Jr. Operator	M.Sc. (Env), Cert. (Dis. Mgmt)
		31	V R Rabari	Jr. Operator	HSC
		32	Jayesh S Patel	Attendant	Bsc. (Chem.)
		33	Bhavdip S Vamja	Assistant Operator	B.Sc Chemistry
		34	Gami Ravikumar	Assistant Operator	B.Sc Chemistry
		<p>* Total 15 nos. workmen available, which include 5 regular employees and 10 contract workman.</p> <p>Fully fledged laboratory along with equipments are also set up to carry out environment monitoring and management functions.</p>			

B	GENERAL CONDITIONS																																										
(i)	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted and directives shall be followed in case of alterations in the project proposal.																																									
(ii)	The Project proponent shall strictly comply with the rules and guidelines issued under the Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989, as amended time to time, the Chemical Accidents (Emergency Planning, Preparedness and Response) Rules, 1996, and Hazardous and Other Wastes (Management and Trans-Boundary Movement) Rules, 2016 and other rules notified under various Acts.	Noted and all applicable rules and guidelines are complied.																																									
(iii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	At GSFC, we have replaced all the Conventional 40W Tube lights (12000 Nos.) with Efficient 18W T8 Lamp / LED Lamp/Fitting. Street light fittings also replaced by LED lamps.																																									
(iv)	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. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	<p>Noted. Presently, Noise monitoring is carried out at 80 different locations within GSFC premises and at ambient air monitoring stations. Details (Max., Min along with comparison with standards) are given below and are in the norms.</p> <p>Noise Level for compliance period Oct '21 to March '22:</p> <table border="1"> <thead> <tr> <th rowspan="2">Location</th> <th colspan="3">Noise Level, Limit-75 dB(A) Daytime</th> <th colspan="3">Noise Level, Limit-70 dB(A) Night time</th> </tr> <tr> <th>Avg</th> <th>Min</th> <th>Max</th> <th>Avg</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>Nr Marketing Yard</td> <td>55</td> <td>43.5</td> <td>66.5</td> <td>47.5</td> <td>36.5</td> <td>58.5</td> </tr> <tr> <td>Nr Adm. Building</td> <td>53.25</td> <td>43</td> <td>63.5</td> <td>45.5</td> <td>38.5</td> <td>52.5</td> </tr> <tr> <td>B/H SA-IV</td> <td>62.5</td> <td>54.5</td> <td>70.5</td> <td>56.5</td> <td>47</td> <td>66</td> </tr> <tr> <td>Vadnagar Tank Farm</td> <td>55</td> <td>45.5</td> <td>64.5</td> <td>49</td> <td>40</td> <td>58</td> </tr> </tbody> </table>	Location	Noise Level, Limit-75 dB(A) Daytime			Noise Level, Limit-70 dB(A) Night time			Avg	Min	Max	Avg	Min	Max	Nr Marketing Yard	55	43.5	66.5	47.5	36.5	58.5	Nr Adm. Building	53.25	43	63.5	45.5	38.5	52.5	B/H SA-IV	62.5	54.5	70.5	56.5	47	66	Vadnagar Tank Farm	55	45.5	64.5	49	40	58
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(v)	The company shall undertake all relevant measures for improving the socioeconomic conditions of the	CSR activities are done and detail is given as per point no. (ix) in specific condition.																																									

	surrounding area. The activities shall be undertaken by involving local villages and administration. The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.																
(vi)	<p>The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein.</p> <p>The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.</p>	<p>The company has allocated Rs. 306 Crores as a total project cost for Urea Revamping project.</p> <p>GSFC has provided adequate funds to implement the conditions stipulated by the MoEF and it is integral part of the project. The fund earmarked to implement the conditions has been utilized for intended purpose only.</p> <p>Capital Expenditure incurred over last 3 years are given below. <u>Past three year investment in pollution control:</u></p> <table border="1"> <thead> <tr> <th rowspan="2">Description</th> <th colspan="3">Expenses in lakhs</th> </tr> <tr> <th>2019-20</th> <th>2020-21</th> <th>2021-22</th> </tr> </thead> <tbody> <tr> <td>Investment in Pollution control</td> <td>4150.89</td> <td>4197.49</td> <td>4198.58</td> </tr> <tr> <td>Total Investment</td> <td>515347.37</td> <td>521649.49</td> <td>521036.12</td> </tr> </tbody> </table>	Description	Expenses in lakhs			2019-20	2020-21	2021-22	Investment in Pollution control	4150.89	4197.49	4198.58	Total Investment	515347.37	521649.49	521036.12
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(vii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.	Not applicable as the project permission received under clause 7 under the para 7(ii) of EIA notification 2006.															
(viii)	The project proponent shall also upload/submit six monthly reports on Parivesh Portal on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data to the respective Integrated Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the	Noted & will be done.															

	company.	
(ix)	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board 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 respective Integrated Regional Office of MoEF&CC by e-mail.	Complied. Last Environment Statement submitted to GPCB vide letter EC/IMS/ES/10/2021-22 dtd.24.05.2022 for the year 2021-22. EC compliance status along with Form – V are put in website and regularly mailed to IRO. .
(x)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied, GSFC has published advertisement of Env. Clearance in local newspapers i.e. Indian Express & Sandesh newspapers on 29/01/2022. The copy of same is forwarded by letter no- EC/Urea Revamping/Adv./2022 on dated 31/01/2022 to IRO- MoEFCC Gandhinagar. Published advertisements are as: 

		
(xi)	<p>The project authorities 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 and the date of start of the project.</p>	<p>Noted and shall be followed.</p>
(xii)	<p>This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.</p>	<p>Noted & will be followed.</p>