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 April '24 to Sept '24)
Α	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.	Complied . 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	Will be Complied. 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. 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.
		Following conclusions and recommendations provided during risk assessment are: 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. Other risk mitigation measures and safeguards are as under: Hazard Identification and Risk Assessment. Work Permit System procedure has been established for safely execution of job.

(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	Comp	for Isolation of procedures. Start-up proced being followed. Inbuilt safety me Safety instrume been established established. DISH Approved employees/Con MSDS related to On-site emerge Various PPES, & air masks, installations. Ilied. Urea Revased revamping was sed	energized equiprodure shut down properties such as the entation- DCS Systed. For the proposition of training centre to tract workmen. In all the chemicals and Plan & Mock of Fire extinguishers Gas masks etc.	e chemicals used in complex are available. an & Mock drills. xtinguishers, safety showers, first aid boxes (filled) masks etc. are provided at various Hazardous g Project itself is an energy reduction Project. The ult in potential savings in energy of 0.75 GCal/MT. A			
	capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.	ree Pro R (367 W (Energy duction for posed Urea evamping '200 MTPA) ind power 2023-24) olar Power 2023-24) e Plantation	Basis Saving of 0.75 Gcal/MT energy = 871 KWh 1MT CO2 = 1396.648 KWh 1MT CO2 = 1396.648 KWh 40 trees reduce 1 T of CO2	Total power generation 0.45 MT CO2/MT of Urea 171541119.8 kWh 18702946.91 KWh 202633 nos. Of trees in GSFC.	Carbon reduction 165240 MT of CO2 reduction 122823.45 MT of CO2 reduction 13391.31 MT of CO2 reduction. 5065.82 MT of CO2 reduction.		
(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	Complied. No banned raw materials/chemicals is used in the unit. GSFC follows the notifications/guidelines of the Government in this regard.						
(v)	regard. The continuous online (24x7) monitoring system for	Comp	ied Continuous	online monitoring	g system for exis	ting Urea-I & II plant	t is	

	flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB	installed and same will be utilized after revamping. The gaseous pollutants emitted from the existing facilities are regularly monitored through NABL approved lab & inhouse laboratory. The report is submitted to GPCB & MoEF regional office on half							
	SOLVET.	yearly basis.							
		Existing stack parameters details as per OMS for Compliance period April '24 to							
		Sept. '24:		Ctask D 4 UDEA					
		Stack Id and Norms	UREA_MELA_EC S-Ammonia - (Limit:175 mg/Nm3)	Stack_P_1_UREA _I_Prilling_tower- Ammonia - (Limit:175 mg/Nm3)	Stack_P_1_UREA_I_ Prilling_tower-PM - (Limit: 150 mg/Nm3)				
		Avg	21.17	45.77	47.38				
		Min	13.91	44.84	13.97				
		Max	22.15	49.15	70.12				
		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	18.70	82.36					
		Min	17.94	43.38					
		Max	20.09	131.75					
	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.	and discharged time effluent m	to common effluent nonitoring. Hence as	conveyance channers a part of effluent	ities of premise is treated el of M/s VECL with real discharging unit, online talled as per prevailing				
(vi)	Quantity and days of storage shall be submitted to the Integrated Regional Office of Ministry and SPCB along with the compliance report.	tanks with bare minimum quantity. Liquid Ammonia was stored in the range of 3543							
(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.	Will be compli	ed. Data will be subm	itted after startup of p	lant operation.				

(viii)	Total fresh water requirement shall not exceed 2907.6	Will be complied. Date	a will be submitted after startup of plant operation.
	KLD. Necessary permission obtained in this regard shall be renewed from time to time.	river for operation of the from Vadodara Irriga J.N.Versiv/PB-1/GSFC 28/02/2024. As per agon annual basis without	ithdrawing water from its own French wells located in Mahi ne plants. GSFC got permission for 29.00 MLD drawl of water tion Division (VID) for the year 2024-25 vide letter no
	The fresh water demand shall be reduced by 10% using rain water harvesting system.	block, ADC, R&D, Cer	oof top rainwater harvesting in GSFC's Corporate building, A stral Lab, SDO, Officer Punching & Mechanical Store building. ater is collected during April '24 to Sept. '24 and re used for
(ix)	towards CSR for the complex for 2021-22.	22. After financial closu	sal for FY 21-22 was made before financial closure of FY 21- ire, required CSR fund was Rs. 7.69 Crores against that GSFC ores. GSFC has spent Rs. 1,22,76,09/- towards CSR during
(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.	Complied. GSFC has a oxygen facilities (24x7), indoor facilities like the Digital X-ray Full-fledged Phy ECG multi parar Fully equipped a Advanced Pharr ICU Beds, Steril First responder Emergency com Regular health check-uhealth Centre located voummery of employees tests/investigations carr	rsiotherapy meter, defibrillator ventilator advanced laboratory macy ized Dressing Pad facilities with splint, eye wash bottles, safety shower

				Employees	Contract worker	Total
		Ap	ril-24	180	14	194
			ay-24	229	22	251
			าe-24	222	121	343
		Ju	ly-24	203	43	246
			ıg-24	254	70	324
			ot24		201	437
		 	otal	1324	471	1795
		Pre-Medica	l Eyar	mination details:	·	
		T TO WIGGIO	- Exam	Month	Pre-medical Examin numbers	ation
				April-24	0	
				May-24	0	
				June-24	5	
				July-24	0	
				Aug-24	4	
				Sept24	13	
	All workers & employees shall be provided with required safety kits/mask for personal protection.			Total	22	
		All workers protection.	& en	nployees are provided	necessary safety kits	/mask for persor
(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.	Complied. department	. Heal	lar training on safety and the training on safety and the awareness information	is regularly circulated	by Medical Dept.
				training imparted to wo partment is as under;	kers/employees durin	g April '24 - Sep
		Montl	n	Trainin	g Topic	Nos. of members present
		April-2	24	Safety Site Talk		314

				Induction class room safety training	04		
				Pre shutdown Safety training	20		
				Fire Fighting training	55		
		•		Safety Site Talk	151		
			May-24	Transport Safety	54		
			Iviay-24	PPA & BA set demo.	37		
				Class room safety training	67		
				Safety Site Talk	529		
			June – 24	Class room safety training	62		
				Transport Safety	28		
			July – 24	Safety Site Talk	219		
			July – 24	Tool box talk	80		
				Safety Site Talk	214		
				Work permit system	89		
				Haz. Property of Chemicals, Electrical and	89		
			Aug-24	Mechanical Safety Safety during working in Confined Space, Emergency Preparedness	89		
				Safety during work at height, and Types of PPEs	89		
				Fire Safety & Practical	89		
		•		Safety Site Talk	107		
				Transport Safety	9		
				Work permit system	39		
			Sept24	Haz. Property of Chemicals, Electrical and Mechanical Safety	39		
				Safety during working in Confined Space, Emergency Preparedness	39		
				Safety during work at height, and Types of PPEs	39		
				Fire Safety & Practical	39		
(xii)	The unit shall make the arrangement for protection of	C	mnlied Fire-	,			
(^II <i>)</i>	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	id Noted. All necessary safety precautions shall be taken during construction					
, ,	accidents and action plan shall be implemented for avoiding accidents.	an	d present work	c permit system with safety permits and SOP being fol	•		
	1	op	eration & main	tenance 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 the unit.	Complied. GSFC has installed Roof top rainwater harvesting in GSFC's Corporate building, A block, ADC, R&D, Central Lab, SDO, Officer Punching & Mechanical Store building. @ 12743 m3 of rainwater is collected during April '24 to Sept. '24 and re used for fire water make up. Rain Water Harvesting System exists at the Guest House, Science Foundation Building and Township's residential areas with well water recharging, Roof Top Rain Water Harvesting and Rain water harvesting ponds. Further to this, GSFC has constructed 15 water harvesting structure (Recharge well & Furrat system) in phase manner in 2009 & 2012. The filtrations rate is in the in the range of 65-70 M3/ Hr. of each wells. Ponds have also been dug out to store the rain water runoff and
	No recharge shall be permitted within the premises. Process effluent/ any wastewater shall not be allowed to mix with storm water.	percolate the same. 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.
(xv)	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.	Will be complied.
(xvi)	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.	Complied. The total area of premises was 328 ha. Out of which 0.65 Ha. was diverted for Bullet Train Project and hence total area is 327.35 ha. The green belt area is 133.35 Ha which is 40.73 % of total plot area in which 7.46 Ha. has been developed in GSFC owned land in Ranoli, Vadodara. Total 187133 number of trees/plantation available in existing Green Belt (GB) in GSFC complex and 15500 numbers of trees/plantation available in existing GB in Ranoli Kotar land.
	started from first year onwards.	Sr. No. Particulate Total Area (Ha)

				_				1
			1	Green Belt ((In Plant)		39.84	
			2	Green Belt (Township)		86.05	
			3		n Ranoli (Kotar land),Na	ndesari	7.46	
				Total GB are	ea (40.73%)		133.35	
				Total area			327.35	
(xvii)		environmental and socio-economic aspects as per given below;						
(xviii)	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.	Facilities person equipmed Sr. No	olied, GS es for env ns, desig ment avail ot. Staff lis Name of KS PD Mrs.S	FC has separironment manation, and able for in-horit: employees Badlani Cachchhi Y Singh nt U Kadu	Designation Sr. VP (I&MB, U&EC, PLM & FU) & MR Chief (U&EC &, TTWWP)& Dy.MR Chief (EC & IMS) Sr. Mgr (EC)	and fully ng. EMC along we have below. Tech. C B.E. (C B.E. (E B.E. (C B.E. (C) B.E. (C)	y fledged la details like with paramet Qualification Chemical) Inv.), PDIS (Civil) TEXTILE) Chemical),	name of
		5 6		P Trivedi H Shah	Mgr (EC) Mgr(EC)	F	ch (EPD), PDIS Chemistry)	-
		U	73110	CTT OHAH	ivigi (LC)	D. 30 (1	Onemisiry)	

7	Jayesh M Dave	Mgr(EC)	B. Sc (Chemistry)		
8	Prateek Jain	Dy.Mgr (EC).	B. Tech. (Chem.)		
9	Pankaj K Sharma	Dy.Mgr (EC)	B.Tech. (Chem.)		
10	Mosmi M Patel	Asst.Mgr (EC)	B.Tech. (RE & EE)		
11	H V Shah	Plant Engr.	B. Sc (Chemistry)		
12	Ambalal K Rana	Sr.Operator	B. Sc (Chemistry)		
13	Anil L Arora	Sr.Operator	B. Sc (Chemistry)		
14	Vipul R Upadhyay	Sr.Operator	B. Sc (Chemistry)		
15	Rajesh H Patel	Sr. Operator	B. Sc (Chemistry)		
16	Kanubhai B Padhiyar	Sr. Operator	B. Sc (Chemistry)		
17	Hitesh D Patel	Sr. Operator	M.Sc (Env. Sci.)		
18	K S Dave	Sr. Operator	B. Sc (Chemistry)		
19	MB Kharachia	Sr. Operator	SSC		
20	K C Dave	Sr. Operator	B. Sc (Chemistry)		
21	A B Shukla	Foreman	ITI		
22	M R Chandlekar	Foreman	ITI		
23	S A Christian	Foreman	HSC		
24	H G Pandey	Foreman	12th		
25	MM Parmar	Foreman	SSC		
26	Jayesh Solanki	Foreman	Old SSC		
27	Bhavesh C Patel	Operator	M.Sc (Indus. Chem)		
28	Biren R Patel	Jr. Operator	M.Sc. (Env), PDIS, Cert. (Dis.Mgmt)		
29	Purvish S Shah	Jr. Operator	M.Sc. (Env), Cert. (Dis. Mgmt)		
30	Jayesh S Patel	Attendant	Bsc. (Chem.)		
31	Bhavdip S Vamja	Assistant Operator	B.Sc Chemistry		
32	Gami Ravi kumar	Assistant Operator	B.Sc Chemistry		
33	K K Mahida	Asst.Operator (OC) Dip. (Chemical			

* Total 12 nos. of contract workmen available.
Fully fledged laboratory along with equipment are also set up to carry out environment monitoring and management functions.

В	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	s shall be	followed in ca	ase of alte	rations in	the projec	t 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.	Complied. 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.	Complied. For 2023 replaced by latest L lighting system.					-	-
(iv)	shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise	Complied. Presently GSFC premises and comparison with stan Noise Level for comp	at ambier dards) are	nt air monitori e given belo	ng stations w and are	s. Details in the nor	(Max., Mir	
	generation. The ambient noise levels shall conform to the standards prescribed under the Environment	Location	Noise Level, Limit-75 dB(A) Daytime			Nois	Noise Level, Limit-70 dB(A) Night time	
	(Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day	Location	Avg	Min	Max	Avg	Min	Max
	time) and 70 dBA (night time).	Nr Marketing Yard	61	48	74	56	42	70
		Nr Adm. Building	58	46	70	53	40	66
		B/H SA-IV	58	44	70	54	42	66
		Vadnagar Tank Farm	51	40	62	48	39	58
(v)	The company shall undertake all relevant measures for improving the socioeconomic conditions of the surrounding area. The activities shall be undertaken by	Complied . CSR ac specific condition.	tivities ai	re done and	detail is (given as	per point	no. (ix) in

	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)		Complied. The company has granted approval of Rs. 453.20 Crores as a total project cost for execution of Urea Revamping project.				
	The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose.	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. Cumulative Expenditure incurred over last 3 years are given below.				
		Past three year investm				
		Description	Expenses in	lakhs		
			Till 2021-22	Till 2022-23	Till 2023-24	
		Investment in Pollution control	4198.58	4198.58	4198.58	
		Total Investment	521036.12	528422.48	539630.49	
		Budget is prepared ever Control dept.	ry year for the expens	ses to be carried ou	t by Environment	
(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.		roject permission rece	ived under clause 7 ι	under the para 7(ii)	
(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	Complied. Half-yearly regulatory authorities.	compliance report is	regularly prepared	and submitted to	

	Environmental Clearance and six monthly compliance status reports shall be posted on the website of the 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.	EC/IMS/ES/10/2023-24 dtd.14.06.2024 for the year 2023-24. 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.	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:

		ગુજરાત સ્ટેટ ફર્ટીલાઇઝર્સ એન્ડ કેમિકલ્સ લિમિટેડ ક્ર્ટીલાઇઝલ્ગર - કરવમન, વકારા, સુજરાત, મારત CIN: 19999911962PLC001121 - www.galchinted.com જાંદેર સૃષ્ટાના આથી જાહેર જનતાને જાલ કરવામાં આવે છે કે મેસર્સ ગુજરાત એટ હરિલાઇઝર્સ એન્ડ કેમિકલ્સ હિમિટેડ, ફર્ટિલાઇઝરનગર, વડોદરા, ગુજરાત ખાતેના GSFC કોમ્બાહ્સમાં સ્થિત પ્રોજેફ્ટ હાલના યુરિયા પ્લાન્ટ્સને સુધારલા માટે (યુરિયા-! @1,03,200 MTPA અને પુરિયાના @2,64,000 MTPA = કુલ ઉત્પાદન સમતા ૩,૬૭,૨૦૦ MTPA) મંત્રાલય તારીખ ૧૪મી જાન્યુઆરી ૨૦૨૨ના FNO IA-1-1011/901/2007-IA-II(i) દારા પર્યાવરણીય મંત્રની આપવામાં આવી છે અને મંત્રની પત્રની નકલો ગુજરાત પ્રદૂષણ નિયંત્રણ બોર્ડ (GPCB) પાસે ઉપલબ્ધ છે અને તે મંત્રાલયની વેબસાઇટ https://parivesh.nic.in/ પર પક્ષ જોઈ શકાય છે.
(xi)	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.	Will be complied as project is under execution.
(xii)	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.	Will be complied.

Monitoring the Implementation of Environmental Safeguards Ministry of Environment & Forests & Climate Change Regional Office (WZ), Gandhinagar Monitoring Report

DATA SHEET

No.	Conditions		Complian	ce
1.	Project type: River-valley / Mining/ Industry/Thermal/Nuclear/Others(specify)	Industrial		
2.	Name of the Project	MTPA= total Fertilizernaga	production capacity 3,67,200 M	21,03,200 MTPA & Urea II @2,64,000 MTPA), located at GSFC Complex at trea 328 ha.) by M/s Gujarat State
3.	Clearance letter(s) OM No. and date		01/2007-IA-II(I) dated 24.01.202	2
4.	Location a) District (s) b) State (s)	Gujarat State F P.O. Fertilizerr Vadodara Gujarat		
	c) Location/Latitude/Longitude	Point	Latitude	Longitude
		Α	22°21′51.48″ N	73°9′30.91″ E
		В	22°22′2.48″ N	73°9′42.67″ E
		С	22°23′15.59″ N	73°8′37.76″ E
		D	22°22′49.97″ N	73°8′11.38″ E
		E	22°22′25.01″ N	73°8′19.54″ E

5.	Address for Correspondence a) Address of the Concerned Project Chief Engineer (with Pin Code & Mob. No/Telephone/ Telex/ E-mail)	Mr. K S Badlani, Sr. Vice President (I&MB, U&EC, PLM & FU) & MR P.O.: Fertilizernagar - 391750, Tal. & District : Vadodara, State : Gujarat Mo. no. :9909965842; email: ksbadlani@gsfcltd.com
	b) Address of concerned Project Engineer (with Pin code & Mob No / Telephone/ Telex/ E-mail)	Mr. P R Shah, Sr. Vice President (Project Development) Po: Fertilizernagar - 391750, Tal. & District : Vadodara, State : Gujarat Mo. no. :9909965889; email:prshah@gsfcltd.com
6.	Salient Features a) of the Project	a) Revamping of existing Urea-I & II Plant.
	b) of the Environmental Management Plans	b) 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.
7.	Production details during compliance period and (or) during the previous financial year.	
8.	Breakup of the Project Area a) Submergence area : Forest & Non-Forest	Not Applicable
	b) Others	Project is located in existing premises.
9.	Breakup of the project affected population with enumeration of those Losing Houses/	None (Project is within existing Factory Complex area)
	Dwelling Units only, Agricultural Land only, Both Dwelling Units & Agricultural Land &I Landless Laborers/ Artisans	
	: a) SC, ST / Adivasi	
	b) Others	
	(Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out and give details & year of survey)	

10	Financial Details: a) Project Cost as originally revised estimates and the year of price reference.	a) Rs. 306 Crore. (Actual Project cost is Rs. 453 crore)
	b) Allocation made for environmental management plans with item wise and year wise break-up.	b) Rs. 4 crore proposed budget for environment management plan.
	c) Benefit cost ratio/Internal rate of Return and the year of assessment (if applicable)	c) –
	d) Whether (c) includes the cost of environmental management as shown in the above	d)
	e) Actual expenditure incurred on the Project so far.	
	f) Actual expenditure incurred on the environmental management plans so far.	e)
11	Forest Land Requirement	Not applicable.
	a) The status of approval for diversion of forest land for non-forestry use	
	b) The status of clearing felling.	
	c) The status of compensatory afforestation, if any.	
	d) Comments on the viability & sustainability Of	
	compensatory afforestation program In	
10	the light of actual field experience so far	
12	The Status of Clear Felling in non-forest Area (such as submergence area or Reservoir, approach roads), if any with Quantitative information required.	Not applicable as project area is located within Factory Complex area.

13	Status of Construction (actual and/or planned) a) Date of commencement (Actual and/or planned) b) Date of completion (Actual and/or planned)	a) Planned – August 2023 b) Planned Revised – July 2025
14	Reason for the delay if the project is yet to start	Not applicable as Project is moving ahead as per Project schedule.
15	Dates of Site Visits a) The dates on which the project was monitored by the Regional Office on previous occasions, if any b) Date of site visits for this monitoring report.	Dy. Director -MoEF, Bhopal visited GSFC complex on 23.06.2021. IRO-Gandhinagar visited on 12.05.23.
16	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visit. (The first monitoring report may contain the details of all the letters issued so far but the later reports may cover only the letters issued subsequently)	

Current Status.:

GSFC has issued Letter of Intent to M/s L&T on 25/10/2022 and acceptance to the same was also received from M/s L&T on 25/10/2022. Engineering and procurement activities are almost completed. Critical equipment from L&T i.e. Urea Reactor, Hydrolyzer and HP Carbamate Separator, HP Stripper and HP Carbamate Condensers received at Project Site and erected. Some of the non-critical equipment (around 20 nos.) are also received and erected at Site. FAT of DCS-ESD system completed at Yokogawa Bangalore in Mid-September 2024. Manufacturing of ordered items are on the verge of completion. Modification job (Crosshead and piston replacement job) in one of the Co2 Compressors (XU-K101B) is completed in presence OEM. Civil Foundation works of all area are completed except few locations in N-S Pipe rack & Peroni / Ebara Pump, where the front is not available. Structural Members erection are completed in majority part. Piping erection works is in progress. Electrical modification works in existing substation is in progress.