

Name of Project : Environmental clearance for expansion of VSF units, CPP and setting up of solvent spun cellulosic fiber Unit

Clearance letter no. & Date : J-11011/321/20163-IA-II (I) dated 15th Jan 2018; amended on 16th Aug., 2018

Address for Correspondence : Plot No. 1, GIDC Industrial Area, Vilayat, Taluka: Vagra, District: Bharuch (Gujarat)

S.No	Conditions	Compliance Status
Specific Conditions		
1.	The environmental clearance issued by SEIAA vide letter dated 30 th May, 2011 for the project 'Chlor-alkali unit with value added products (as a backward integration of VSF plant)' at the same premises, should be rectified to reflect M/s Grasim Industries Ltd (Grasim Chemical Division) as the project proponent in place of M/s Grasim Cellulosic (A Unit of Grasim Industries Ltd.	Name has been changed as M/s Grasim Industries Ltd (Grasim Chemical Division) Copy Enclosed as Annexure 1
2.	The Monitoring report on compliance status of the conditions stipulated by SEIAA in the environmental clearance dated 30 th May, 2011, shall be submitted to the Ministry through the Regional Office, for further review of the project, if so required.	The Monitoring report on compliance status of the conditions stipulated by SEIAA in the environmental clearance dated 30 th May, 2011, shall be submitted to the Ministry through the Regional Office, for further review of the project, if so required. Copy of EC compliance report submission for Oct 2018-March 2019.
3.	Effluent shall be treated properly before discharging to Bay of Kambhat through GIDC pipeline.	Effluent is being/ will be treated properly in the ETP of capacity 35,000 m3/day before discharging to Bay of Kambhat through GIDC pipeline.
4.	Atleast, 50 % of the fuel requirement shall be met from natural gas and the rest 50 % may be met from briquette/coal (with sulphur content less than 0.5%).	Condition has been amended vide EC letter dated 16.08.2018 for use of 100% coal having < 0.5% sulphur content or ETP bio mass. Copy Enclosed as Annexure 2
5.	Proposed effluent generation (27160 KLD) shall be reused after treating/processing through RO, etc. and fresh water requirement shall accordingly be restricted to 22,000KLD.	Condition has been amended vide EC letter dated 16.08.2018 wherein the treated effluent of 7350 KLD is being reused/ recycled to meet the industrial requirements and the fresh water requirement is restricted to 28,000 KLD. Copy Enclosed as Annexure 2
6.	Smart energy conservation equipments (like LED/solar light) shall be installed in the factory and premises.	All the required Smart energy conservation equipments are being installed in the factory premises.

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		New LED Fittings changed in place of conventional in FY-2019 (Nos.)	Planned LED fittings in FY-2020 (Nos.)																												
		1650	2400																												
7.	As assured, 5 MW power (of the total power requirement) shall be generated from solar power/renewable energy sources.	The possibilities to achieve the same is under consideration and the same shall be implemented in further Financial years																													
8.	Green belt of 10 m width shall be developed along the periphery of the plant with three layers of trees. At least 33 % of the area shall be developed as green area with trees.	<p>Greenbelt has been developed in the factory complex along the boundary wall and open space area.</p> <table border="1"> <thead> <tr> <th>Sr. No</th> <th>Duration</th> <th>Area (Acre.) for Plantation</th> <th>Number of Plant</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2018-19</td> <td>85</td> <td>52500 Plants</td> </tr> <tr> <td>2.</td> <td>2019-20</td> <td>25</td> <td>15,000 Plant</td> </tr> <tr> <td>3.</td> <td>2020-21</td> <td>25</td> <td>15,000 Plant</td> </tr> <tr> <td>4.</td> <td>2021-223</td> <td>25</td> <td>15,000 Plant</td> </tr> <tr> <td>5.</td> <td>2022-23</td> <td>25</td> <td>15,000 Plant</td> </tr> <tr> <td colspan="2">Total</td> <td>185</td> <td>1,12,500 Plant</td> </tr> </tbody> </table> <p>Plant species were selected as per the directives of CPCB & DFO and CPCB guidelines</p> <p>Existing Plantation Species: Neem (<i>Azadirachta indica</i>), Kasood (<i>Cassia siamea</i>), Pine/Junglisaru (<i>Casuarina equisetifolia</i>), Orchid tree (<i>Bauhinia blakeana</i>), Gulmohar (<i>Delonix regia</i>), Rain tree (<i>Samaneasaman</i>), Yellow Gulmohar (<i>Peltophorum ferrugineum</i>), Bottle brush (<i>Callistemon sp.</i>), Earleaf Acacia (<i>Acacia auriculiformis</i>), Kadamb (<i>Neolamarckiacadamba</i>), Basant Rani (<i>Tabebuia rosea</i>), Safeda (<i>Eucalyptus</i>), <i>Bougainvillea spectabilis</i>, Lawn Plantation and Shrubbery.</p> <p>Proposed Plantation Species: Neem (<i>Azadirachta indica</i>), Kasood (<i>Cassia siamea</i>), Pine/Junglisaru (<i>Casuarina equisetifolia</i>), Orchid tree (<i>Bauhinia blakeana</i>), Saptparni (<i>Alstoniascholaris</i>), Gulmohar (<i>Delonix regia</i>), Rain tree (<i>Samaneasaman</i>), Shisham (<i>Dalbergiasissoo</i>), Bel (<i>Aegle marmelos</i>), Arjun tree (<i>Terminalia arjuna</i>), Cassia fistula (<i>Amaltas</i>), Yellow Gulmohar (<i>Peltophorum ferrugineum</i>), Bottle brush (<i>Callistemon sp.</i>), Kadamb (<i>Neolamarckiacadamba</i>), Semal/Kapok (<i>Bombax ceiba</i>), Jamun (<i>Syzygium cumini</i>), Apple blossom tree (<i>Cassia javanica</i>), Sausage tree (<i>Kigeliapinnata</i>), Basant Rani (<i>Tabebuia rosea</i>), Morpankhi (<i>Thuja occidentalis</i>), Safeda (<i>Eucalyptus</i>), Guhbabool (<i>Acacia farnesiana</i>), Kaner (<i>Nerium indicum</i>), Champa (<i>Plumeria rubra</i>), Holy basil (<i>Ocimum tenuiflorum</i>), Jarul (<i>Lagerstroemia speciosa</i>), <i>Bougainvillea spectabilis</i>, Lemon (<i>Citrus lemon</i>), Sankuppi (<i>Clerodendrum inermis</i>), Lawn Plantation and Shrubbery etc.</p>		Sr. No	Duration	Area (Acre.) for Plantation	Number of Plant	1.	2018-19	85	52500 Plants	2.	2019-20	25	15,000 Plant	3.	2020-21	25	15,000 Plant	4.	2021-223	25	15,000 Plant	5.	2022-23	25	15,000 Plant	Total		185	1,12,500 Plant
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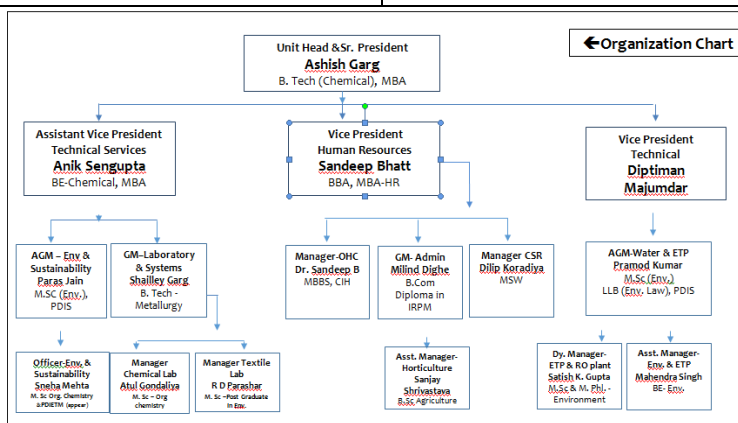
S.No	Conditions	Compliance Status
		<p>Plant species for Odor management : Neem (<i>Azadirachta indica</i>), Saptparni (<i>Alstoniascholaris</i>), Guhbabool (<i>Acacia farnesiana</i>), Morpankhi (<i>Thuja occidentalis</i>), Bougainvillea (<i>Bougainvillea spectabilis</i>), Lemon (<i>Citrus lemon</i>), Kaner (<i>Nerium indicum</i>), Mehndi (<i>Lawsonia inermis</i>), Champa (<i>Plumeria rubra</i>), Holy basil (<i>Ocimum tenuiflorum</i>), Tulsi (<i>Ocimum sanctum</i>), Sankuppi (<i>Clerodendrum inermis</i>), Jasmine tree (<i>Plumeria alba</i>), Jarul (<i>Lagerstroemia speciosa</i>), Gurhal (<i>Hibiscus rosasinensis</i>), Bunchgrass (<i>Vetiveria zizanioides</i>) etc.</p> <p>Gaseous emission (SO₂ & NO_x) tolerant species: Neem (<i>Azadirachta indica</i>), Bel (<i>Aegle marmelos</i>), Kasood (<i>Cassia siamea</i>), Earleaf Acacia (<i>Acacia auriculiformis</i>), Saptparni (<i>Alstoniascholaris</i>), Aldu (<i>Ailanthus excelsa</i>), Siris (<i>Albizia lebeck</i>), Shisham (<i>Dalbergia sissoo</i>), Pipal (<i>Ficus religiosa</i>), White fig (<i>Ficus infectoria</i>), Maulsari (<i>Mimusops elengi</i>), Kaner (<i>Nerium indicum</i>), Jarul (<i>Lagerstroemia speciosa</i>) etc.</p> <p>Kindly provide photographs.</p>
	  	
9.	The proponent shall plant and maintain at least 1 lakh native trees for five year in the nearby villages.	In FY- 19, We have planted more 6041 trees in the nearby villages & 10,000 trees to be planted in FY-20. (Total Plantation done as on date is 32742 nos.)
11.	Enterprises social commitment (ESC) plan shall be implemented with atleast 2.5 % of the project cost. As proposed, Hospital (with modern facilities) may be constructed/ maintained, and also construct and maintain modern RO drinking water facility in the five nearby village	We have received the EC F. No. J-11011/321/2016-IAII(1) on 17th October 2019 & as per condition we are planning to spend 0.25% of total project cost against the CER. We have provided modern RO drinking water facility in the three nearby villages viz.: Samar, Saladra, Derol
General Conditions		
1.	The project authorities must strictly adhere to the stipulations made by the Central Pollution Control Board, State Pollution Control Board, State Government and any other statutory authority.	All stipulations made by GPCB in various consent and authorizations are strictly complied. Also, a monthly report in form No. D2 is submitted in time.
2.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry	Noted. No further expansion or modifications in the plant will be carried out without prior approval of the Ministry of Environment, Forest and Climate Change.

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7.	<p>Training shall be imparted to all employees on safety and health aspects of chemicals handling.</p> <p>Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis.</p> <p>Training to all employees on handling of chemicals shall be imparted.</p>	<p>Training is regularly provided for safety and health aspect.</p> <p>Pre-employment checkup is being done for all employees regularly.</p> <p>Training is done for all employees on chemical handling.</p> <ul style="list-style-type: none"> ✓ Trainings are imparted to all employees on safety and health aspects of chemicals handling. ✓ Pre-employment and routine periodical medical examinations for all employees are undertaken on regular basis; Please refer Annexure for Sample report for the test carried out ✓ Training is done for all employees on chemical handling. 															
8.	The company shall also 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 in respect of environmental management, and risk mitigation measures relating to the project shall be implemented	The company is being/ will 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 in respect of environmental management, and risk mitigation measures relating to the project are being / will be implemented.															
9.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration	Grasim is undertaking various community development measures in and around 25 Villages and 27,768 nos. Of beneficiaries are being covered in FY'19. Unit has proposed Eco development plan yearly basis through CSR activities and submitting CSR activities update in Annual Environment Audit Report to GPCB on yearly basis.															
10.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	<p>Eco development measures are being taken under CSR for community welfare & improvement of Environment.</p> <table border="1"> <thead> <tr> <th colspan="5">Table No. 10</th> </tr> <tr> <th>Financial Year</th> <th>Average Net Profit (in Crore) of the company (As per 135(S) company's Act)</th> <th>Allocate CSR Amount (2%)</th> <th>Actual Spent in CSR (Amount in Crore)</th> <th>% Spent CSR against Net Profit</th> </tr> </thead> <tbody> <tr> <td>2015-2016</td> <td>791</td> <td>15.82</td> <td>15.05</td> <td></td> </tr> </tbody> </table>	Table No. 10					Financial Year	Average Net Profit (in Crore) of the company (As per 135(S) company's Act)	Allocate CSR Amount (2%)	Actual Spent in CSR (Amount in Crore)	% Spent CSR against Net Profit	2015-2016	791	15.82	15.05	
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2015-2016	791	15.82	15.05														

S.No	Conditions	Compliance Status			
		2016-2017	2017-2018	2018-2019	Total
		790	1107	1699	4387
		15.80	22.14	33.97	87.74
		18.06	29.84	47.14	110.09
					2.51%

11. A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions

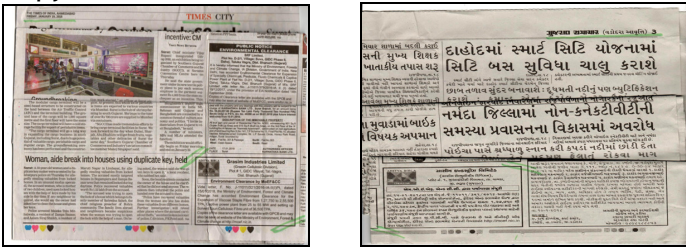
Environment Management Cell comprising team member from process, maintenance, civil, safety and CSR team and Lab is formed under leadership of Unit Head.



12. 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. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose

Separate funds is earmarks on annual basis for Environmental management.

Sl.	Particular	Capex	Opex FY-17	Opex FY-18	Opex FY-19
1	Effluent treatment Plant	79.00	11.50	10.56	11.0
2	Air Pollution Control	91.00	03.50	04.00	3.3
3	Green belt development	00.50	00.50	00.55	1.3
4	Waste Management	01.50	00.50	00.60	1.6
Amount		172.00	16.00	15.71	17.2
In FY-19 (EDTA for H2S Recovery)		35.0	-	-	-
Total Amount		210.0	-	-	-

S.No	Conditions	Compliance Status
13.	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.	A copy of clearance letter has submitted to Panchayat & GIDC authorities.
14.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.	Six monthly EC Compliance report is being submitted regularly. The receipt of submission for the period Oct 2018-March 2019 is enclosed as Annexure 4 .
15.	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 Regional offices by e-mail	environmental statement for each financial year ending 31st March in Form-V is being submitted to State Pollution Control Board and the copy of receipt is enclosed as Annexure 5
16.	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 at http://moef.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	Copy of advertisement is enclosed below. 
17.	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	The desired information will be submitted on project completion to the Regional Office as well as Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.

