Six Monthly Compliance Report of Environmental Clearance For

Viscose Staple Fibre, Sulphuric Acid and Carbon-Di-sulphide

Expansion of Viscose Staple Fibre Unit, Captive Power Plant and Setting up Solvent Spun Cellulosic Fibre



Submitted to:-

Ministry of Environment Forest & Climate

Change, (WR Office) Bhopal Ministry of Environment
Forest & Climate Change, New Delhi
Central Pollution Control Board, Zonal Office
(Vadodara) Gujarat Pollution Control Board-Bharuch

Submitted By:-

Grasim Industries Limited

(Unit: - Grasim Cellulosic Division)

Plot No. 1 GIDC Vilayat Industrial Estate,

PO-Vilayat, Taluka-Vagra, Dist: - Bharuch392012, Gujarat, India

Period: -01.01.2019 to 31.03.2019

Compliance Status Report for "Environmental Clearance" Accorded by the MoEF For Grasim Cellulosic Division (GCD), Vilayat Project

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Compliance Status Report for "Environmental Clearance" Accorded by the MoEF For

Grasim Cellulosic Division (GCD), Vilayat Project

-: Introduction: -

- 1. Grasim Industries Limited (GIL), incorporated on 25th Aug., 1947; is a flagship company of the Aditya Birla Group and India's pioneer in manufacturing of Viscose Staple Fibre (VSF) a man-made, biodegradable fibre with characteristics akin to cotton.
- 2. M/s. Grasim Industries Ltd. has four VSF Plants in India which are located at Nagda (Madhya Pradesh), Harihar (Karnataka), Kharach & Vilayat (Gujarat).
- 3. Grasim Cellulosic Division, Vilayat is a latest plant in the Pulp & Fibre business, commissioned in Apr-2014 which produces both grey VSF and specialty fibre. This is the company's first plant producing specialty grade fibre.
- 4. The Company's main production is Viscose Staple Fibre, Sulphuric Acid, Carbon-Disulphide.
- 5. All the operation related permits, including Environmental Clearance, Forest Clearance from MOEF&CC and Consents to Establish (CTE) & Consent to Operate (CTO) has obtained from Gujarat Pollution Control Board, are in place.
- 6. Environmental quality monitoring in & around the project site is being carried out by GPCB & NABL approved Laboratory on a regular basis.
- 7. 04 No. of Ambient Air Quality Monitoring Stations (AAQMS) along with Environmental Parameter Display Board at main gate have been established.
- 8. Continuous Emission Monitoring System has installed in process stacks of Rayon (Fibre) plant and H2SO4 acid plant for regular monitoring of CS2, SO2 etc.
- 9. Online TOC, pH & flow meters installed at the outlet of ETP, before discharging treated effluent to GIDC pipeline.
- 10. Green belt is being developed as per the CPCB guidelines to curb the emission and also to provide an aesthetic look.
- 11. Point wise compliance status of Environmental Clearance for GCD, Vilayat is furnished herewith.

Compliance Status Report for "Environmental Clearance" Accorded by the MoEF For Grasim Cellulosic Division (GCD), Vilayat Project

Compliance status on Environmental Clearance MOEF Ref. Letter No.: J-11011/321/2016-IA II(I)Pt, dated 15-01-18

General Profile: -

Sr.	Stipulation	Compliance Status
No.		
1	This has reference to your proposal no. IA / GJ / IND2 /58913 /2016, dated 23rd January, 2017, submitting the EIA/EMP report on the above subject matter	
2.	The Ministry of Environment, Forest and Climate Change has examined	Latitude: 21 deg 46'8" and 21 deg 47'11"North
	the proposal for environmental clearance to the project for expansion of	Longitude: 72 deg 53'18" and 72 deg 54'49" East
	Viscose Staple Fibre from 1,27,750 TPA to 2,55,500 TPA, Captive Power	
	Plant from 25 MW to 55 MW and setting up Solvent Spun Cellulosic Fibre	
	unit of 36,500 TPA by M/s Grasim Industries Ltd (Grasim Cellulosic Division) at Plot No. 1, GIDC Industrial Area Vilayat, Tehsil Vagra, District	
	Bharuch (Gujarat)	
	The Existing & proposed Production capacity:	Production increased under de-bottlenecking for Viscose
3.	The Existing a proposed Froduction supusity.	Staple Fibre & Sod. Sulphate after receiving EC, CTE & CTO.
		Following will be the products & production capacity, refer
		in Table No.01 :-

Table No. 01											
Products= →	Viscose Staple Fibre	Carbon Di sulphide	Sulfuric Acid	Sodium Sulphate (Byproduct)	Power Generation						
EC Amendment As per EC No. F. No. J-11011/321/2016-IA-II(I) Pt Dated – 15.01.2018	255500 (36500 by De bottle necking & 91250 by new lines)	34675	182500	166076 to 210788	55 MW Copy of CTE & CTO is attached. (New lines yet to be installed.)						
Total Production (Tons) - Jan-19 to Mar-19	40043	7125	22222	27352	-						
Total Production (Tons) - Jul-18 to Dec-18	81142	12803	62776	55040	-						
Total Production (Tons) - Jan-18 to Jun-18	65813	9612	44776	45638	-						

Sr.	Stipulation	Compliance Status
No. 4	The existing land area is 222.63 ha and no additional land will be required for the proposed expansion.	The existing land area is 222.63 ha and no additional land is required for the proposed expansion.
	Industry will develop greenbelt in an area of 33 % i.e., 73.46 ha out of 222.63 ha area of the project.	Total Plant Area – 567Acre Cellulosic Division – 300 Acre (132-Open Area+168Acre- Const. Area) Chemical + Epoxy Division – 267 Acre Out of 567 Acres, Grasim Cellulosic division has 300 Acre and out of 300 Acre 168 Acre is construction area. We have developed greenbelt in our factory complex along the boundary wall and open space area of 55.4 acre area to achieve target of 33% green belt of construction area. Total 55,000 nos. tree have been planted till Mar-2019. We are planning to plant > 15,000 trees in FY-20 and to cover 33% of total plant area the detail action plan are Tabulated in Table No. 02

Table No. 02									
Sr.	Duration	Area (Acre.) for	Number of Plant						
No		Plantation							
1	Existing	60	37,500 Plants						
	(Till FY; 2017-18)								
2	2018-19	25	15,000 Plants						
3	2019-20	25	15,000 Plant						
4	2020-21	25	15,000 Plant						
5	2021-223	25	15,000 Plant						
6	2022-23	25	15,000 Plant						
•	Total=>	185	1,12,500 Plant						

We have developed greenbelt along with boundary wall & planted different plant species in campus area. Following are the list of plant species. Plant species were selected as per the directives of CPCB & DFO. Photograph of green belts is attached below.

Existing Plantation Species:

Neem (Azadirachta indica), Kasood (Cassia siamea), Pine/Junglisaru (Casuarina equisetifolia), Orchid tree (Bauhinia blakeana), Gulmohar (Delonix regia), Rain tree (Samanea saman), Yellow Gulmohar (Peltophorum ferrugineum), Bottle brush (Callistemon sp.), Earleaf Acacia (Acacia auriculiformis), Kadamb (Neolamarckia cadamba), Basant Rani (Tabebuia rosea), Safeda (Eucalyptus), Bougainvillea spectabilis, Lawn Plantation and Shrubbery.

The Existing Spices for plantation are Selected by following CPCB guidelines

Proposed Plantation Species: Neem (Azadirachta indica), Kasood (Cassia siamea), Pine/Junglisaru (Casuarina equisetifolia), Orchid tree (Bauhinia blakeana), Saptparni (Alstonia scholaris), Gulmohar (Delonix regia), Rain tree (Samanea saman), Shisham (Dalbergia sissoo), Bel (Aegle marmelos), Arjun tree (Terminalia arjuna), Cassia fistula (Amaltas), Yellow Gulmohar (Peltophorum ferrugineum), Bottle brush (Callistemon sp.), Kadamb (Neolamarckia cadamba), Semal/Kapok (Bombax ceiba), Jamun (Syzygium cumini), Apple blossom tree (Cassia javanica), Sausage tree (Kigelia pinnata), Basant Rani (Tabebuia rosea), Morpankhi (Thuja occidentalis), Safeda (Eucalyptus), Guh babool (Acacia farnesiana), Kaner (Nerium indicum), Champa (Plumeria rubra), Holy basil (Ocimum tenuiflorum), Jarul (Lagerstroemia speciosa), Bougainvillea spectabilis, Lemon (Citrus lemon), Sankuppi (Clerodendrum inerme), Lawn Plantation and Shrubbery etc.

Plant species for Odor management: Neem (Azadirachta indica), Saptparni (Alstonia scholaris), Guh babool (Acacia farnesiana), Morpankhi (Thuja occidentalis), Bougainvillea (Bougainvillea spectabilis), Lemon (Citrus lemon), Kaner (Nerium indicum), Mehndi (Lawsonia inermis), Champa (Plumeria rubra), Holy basil (Ocimum tenuiflorum), Tulsi (Ocimum sanctum), Sankuppi (Clerodendrum inerme), Jasmine tree (Plumeria alba), Jarul (Lagerstroemia speciosa), Gurhal (Hibiscus rosa sinensis), Bunchgrass (Vetiveria zizanioides) etc.

Gaseous emission (SO2 & NOx) tolerant species: Neem (Azadirachta indica), Bel (Aegle marmelos), Kasood (Cassia siamea), Earleaf Acacia (Acacia auriculiformis), Saptparni (Alstonia scholaris), Aldu (Ailanthus excelsa), Siris (Albizia lebbeck), Shisham (Dalbergia sissoo), Pipal (Ficus religiosa), White fig (Ficus infectoria), Maulsari (Mimusops elengi), Kaner (Nerium indicum), Jarul (Lagerstroemia speciosa) etc.









The estimated project cost is Rs.2560 Crores.	The estimated project cost will be Rs.2560 Crores.
Employment will be provided to 1300 persons as direct & 1200 persons indirectly after expansion.	After Expansion Noted to provide the Employment: - 1300 persons as direct & 1200 persons as indirect.
Industry proposes to allocate Rs.64.04 Crores towards enterprise social commitment	We have plan to allocate Rs.64.04 Crores towards enterprise social commitment Please refer Table No.03 for detailed ESC plan

	Table No. 03													
Sector	Activity	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	6 th to 10 th Year	Total Amount (in Crores)						
Entry Point Activities	Village level meeting for repo building and initial discussion for the community development needs in villages		0	0	0	0	0	0.02						
, italinates	Baseline / Household survey in 10 villages	0.1	0	0	0	0	0	0.1						
	Participatory Rural Appraisal (PRA) exercise in 10 villages	0.03	0	o	0	0	0	0.03						

1	Evpocuro vicit to Villago		 		 			
	Exposure visit to Village Representative	0.02	0	0	0	0	0	0.02
	Career Counseling & Educational Camp/Skills based Individual training program etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
	Merit Scholarship to girl's students for higher education / Prize Distribution to Merit Holders in Govt. Schools.	0.1	0.12	0.14	0.16	0.18	0.9	1.6
	Distribution of School uniform and Books to needy children	0.15	0.15	0.15	0.15	0.15	0.75	1.5
	Celebration of National & International days: Independent & Republic Day, yoga day, women day etc.	0.03	0.03	0.03	0.03	0.03	0.15	0.3
	Village Knowledge center/school library etc.	0.01	0.01	0.01	0.01	0.01	0.05	0.1
Educational Programmes	Assistance in School/ AWC Infrastructure	0.05	0.05	0.05	0.05	0.05	0.35	0.6
	Knowledge Program (Creative Competition-Sciences exhibition, Children's Sports activities, Education tour etc.)	0.05	0.05	0.05	0.05	0.05	0.35	0.6
	Quality of Education/Specialized Coaching	0.01	0.01	0.01	0.01	0.01	0.06	0.11
	Provision of School Faculty& educational supports	0.01	0.01	0.01	0.01	0.01	0.06	0.11
	Science Lab Equipments to schools	0.04	0.05	0.05	0.06	0.06	0.33	0.59
	School Furnisher (Benches, Black board, Fan, Cupboard &Computer etc.)	0.03	0.03	0.03	0.03	0.03	0.15	0.3
	Providing sports kit and organizing sports meet in nearby villages	0.02	0.02	0.02	0.02	0.02	0.1	0.2

	Reducing drop-out and continuing Education	0.02	0.02	0.02	0.02	0.02	0.1	0.2
	Balwadi Centers/ day care centers development	0.01	0.01	0.01	0.01	0.01	0.05	0.1
	Mother and Child care program, Malnutrition etc.	0.06	0.06	0.06	0.06	0.06	0.3	0.6
	Preventive &Curative Health Care / Mega Eye Check-Up and Operation Camp/ general health camp/Specialized Health Camps / Blood Donation Camp / Support in Pulse Polio Camp etc.	0.05	0.05	0.05	0.05	0.05	0.3	0.55
	Adolescent health care- promoting the use of sanitary napkins etc.	0.08	0.08	0.03	0.03	0.03	0.35	0.6
Health and Family Welfare	Health & Sanitation Awareness Camp / Trainings (IEC Programme,	0.01	0.01	0.01	0.01	0.01	0.05	0.1
Programme	Healthy Baby Competition	0.01	0.01	0.01	0.01	0.01	0.05	0.1
	Treatment of BPL, Old age or needy patient	0.04	0.04	0.04	0.04	0.04	0.2	0.4
	Separate toilets constructed an to BPL families	0.1	0.1	0.1	0	0	0	0.3
	Mobile Dispensary Programme	0.15	0.06	0.06	0.06	0.06	0.3	0.69
	Support to Primary Health Centers/ sub centers etc.	0.05	005	0.05	0.05	0.05	0.25	0.45
	Ambulance	0.15	0.06	0.06	0.06	0.06	0.3	0.69
Infrastructure Development	C:C Road/ Paver Block Development/ Drainage System Development	0.05	0.05	0.05	0.05	0.05	0.25	0.5

Community Pasture Land Development/ Orchard Development etc.	0.02	0.02	0.02	0.02	0.02	0.1	0.2
Renovation of Temple	0	0	0	0	0	0	0
Construction of Community centre	0.15	0.15	0	0	o	0	0.3
Construction of School building up gradation/ New etc.	0.15	0.15	0.15	0.15	0.15	0.75	1.5
Low cost housing facilities etc.	0.1	0.1	0.1	0.1	0.1	0.5	1
New/ Up-gradation of washing platform-specially women's	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Development of the Drinking Water Facility i.e. Hand Pump/Bore Well/Water Tank/ Pipe line etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Village Sanitation Equipment & Construction / Drainage System etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Repair the School / AWC Building etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Non-Conventional energy system viz. Solar Light ,Low smoke wood stoves, Biogas etc.	0.03	0.03	0.03	0.03	0.03	0.15	0.3
Construction of Public Pyau	0.02	0.02	0.02	0.02	0.02	0.1	0.2
Construction of Hospital	7	7	5	5	5	7	36
Construction of Public Sanitation Complex in the nearby villages	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Construction of Funeral Shed in the nearby villages	0.02	0.02	0.02	0.02	0.02	0.1	0.2
Sewing & Tailoring Center/ garment production center etc.	0.04	0.04	0.04	0.04	0.04	0.2	0.4

vocational skill training center: computer course/mobile repairing/TV repairing com/Electrical / welder/fitter/ Wireman /Plumber/ handicraft/ beautician,/Masala making/ vermi compost/ nadep etc.	0.04	0.04	0.04	0.04	0.04	0.2	0.4
Support to SHGs for entrepreneurial activities& capacity building of rural women and men for programmes like –saving & credit linkages with bank,	0.1	0.1	0.1	0.1	0.1	0.5	1
Livelihood infrastructure/ Enhancement etc.	0.1	0.1	0.1	0.1	0.1	0.5	1
Support to Rural Enterprise development & Income Generation etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Natural Resource conservation programs/Plantation / Green Belt Development /Roadside Plantation& Tree guard provided to protect Trees etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Integrated Livestock development: cattle breed improvement/ Innovative Cattle Feeding System/ Dairy development /Distribution Green founder seed for cattle etc.	0.08	0.08	0.08	0.08	0.8	0.3	1.42
Integrated agricultural Development Program: Hi-yield Varity Seed Distribution/Saplings Planted - fruits & forest species etc.	0.08	0.08	0.08	0.08	0.08	0.4	0.8
Promotion of Agricultural Equipment – Drip irrigation etc.	0.1	0.1	0.1	0.1	0.1	0.5	1

	Farmer's club Training centers / Agriculture & Horticulture productivity improvement programmes/ field exposure visit Training etc.	0.1	0.1	0.06	0.06	0.06	0.3	0.68
	Bacteriological Water testing in well, Hadpump Etc	0.02	0.02	0.02	0.02	0.02	0.1	0.2
	De-silting & Renovation of Farm Pond/Anicut	0.02	0.02	0.02	0.02	0.02	0.1	0.2
	Construction of Rain Water Harvesting Structures / Roof top water harvesting / Pond deepening etc.	0.02	0.02	0.02	0.02	0.02	0.1	0.2
	Farm Bunding with masonry waste weir / Catchment Area Treatments	0.02	0.02	0.02	0.02	0.02	0.1	0.2
	Organizing & supporting rural socio-cultural programme with villagers & with District Administration	0.06	0.06	0.06	0.09	0.06	0.3	0.63
Social Issues	Other community welfare works i.e. widow / dowry less marriage, awareness camps on social issues etc.	0.02	0.02	0.02	0.02	0.02	0.1	0.2
Intervention	Donation in Sports tournaments	0.01	0.01	0.01	0.01	0.01	0.05	0.1
	Marathon Race for social abuse Early marriage or HIV Prevention	0.01	0.01	0.01	0.01	0.01	0.05	0.1
	Impact assessment study / Household survey in 10 villages	O	0	0	0.05	0.05	0.25	0.35
	TOTAL (In Crores)	10.16	9.79	7.62	7.63	8.34	20.5	64.04

There are no National parks, Wildlife sanctuaries, Biosphere reserves, Tiger/Elephant reserves, Wildlife corridors etc. within 10 km from the project site. Narmada River (estuarine region) is at a distance of 9.0 km in SSW direction from the project site

We have noted & There are no National parks, Wildlife sanctuaries, Biosphere reserves, Tiger/Elephant reserves, Wildlife corridors etc. within 10 km from the project site. Narmada River (estuarine region) is at a distance of 9.0 km in SSW direction from the project site.

6			al Developmer	•	, , , , , , , , , , , , , , , , , , ,								
		Table											
	Month		Consumption (1) Letter No.		IDC/POJ/MKT/GRASIM/575						
		Average	Minimum	Maximum			ated 06 th December-2006						
	Jan-19	12654	9770	13830	Agreement for Water Supply	15	5.60 MLD						
	Feb-19	12238	9812	14422	2) Letter No.								
	Mar-19	13791	12542	15206	2) Letter No.		GIDC/SE/CG//BRH/1236						
	Avg.	12894	-	-			Dated 29 th December-2016						
					Agreement for Water Supply 25.00 MLD								
	Necessary agre	eement of water	r supply is mad	e with GIDC	Agreement of water supply is made with GIDC on 06.12.2006 , details as per Annexure-01 & 1A .								
	existing effluen	ated from the nt treatment plar nto Bay of Kamb	nt, and the trea	ted effluent will	The Effluent generated from the effluent treatment plant, and the into Bay of Kambhat through GID Existing TP Details are as below which comprises of; 1. Primary Treatment: -Gr Neutralization tank & Pr dewatering system instance are a secondary treatment: -secondary clarifier & secondary clarifier & second	e treade treade v. Full treade v. Fu	ted effluent will be discharged eline II Fledged ETP installed, ambers, Equalization tank, y Clarifier with sludge I sludge process: -Diffused						

Treated effluent quality for the period of Jan-18 to June-18 is summarized as under <u>Table no. 05</u> Monthly Test Report from Unistar Refer as <u>Annexure – 02</u>

Third Party Lab Details: -

Agency: - Unistar Environment & Research lab Pvt. Ltd

Address: -GIDC, Char Rasta, Vapi

NABL: - NABL Certificate Number TC-7753

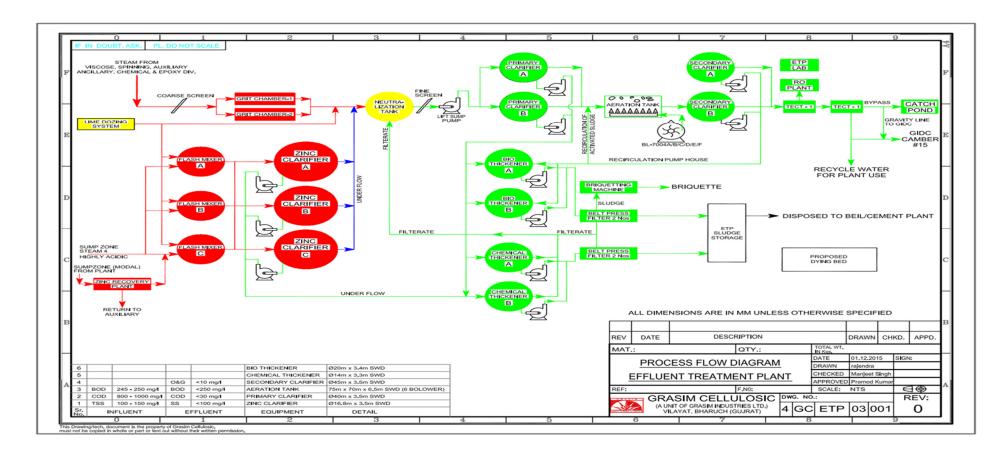
NABL Certificate Issue Date & Expiry Date: - 15.09.2018 to 14.09.2020

(Copy of NABL Certificate is attached with Test Report (Annexure-03))

Month &													F	INAL T	REATED	EFFLUENT												
Date of Sampling	рН	Temp.	TSS	Oil & Grease	Fluorid e	Sulphide	TKN	Amm. N as N	Copper	Zinc	BOD	COD	Total Res Cl2	Arsenic	Mercury	Hexavalent Chromium	Trivalent Chromium	Lead	Cadmium	Nickel	Cyanide	Phenolic Comp	Seleniu m	Mangnes e	Iron		Nitrate Nitrogen	Rio Accay Toct
Unit		deg C	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/li t	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/lit	mg/li t	mg/li t	mg/lit	90% Survival of
GPCB limit	6.0 - 9.0	Not Exceed more than 35 deg C	100	10	15	5	50	50	3	15	100	250	1	0.2	0.01	0.1	2	0.1	0.05	3	0.2	5	0.05	2	3	0.2	50	fish after 96hrs.
Jan-19	7.60	29	5	BDL	1.4	BDL		4.1	BDL	2.5	48	155	BDL	BDL	BDL	BDL	0.07	0.10	0.05	0.03	BDL	0.37	BDL	BDL	0.24	BDL	•	
Feb-19	7.60	31	10	BDL	1.2	BDL	14.3	8.6	BDL	2.2	44	142.5	BDL	BDL	BDL	BDL	0.11	BDL	0.04	0.04	BDL	0.05	BDL	BDL	0.31	BDL	6.50	Complied
Mar-19	7.69	32	40	BDL	6.7	BDL	29.0	24.1	BDL	2.3	54	174.5	BDL	BDL	BDL	BDL	0.12	BDL	0.06	0.06	BDL	0.63	BDL	BDL	0.43	BDL	7.70	Complied
Min	7.60	29.00	5.00	BDL	1.24	BDL	14.30	4.05	BDL	2.24	44.00	142.50	BDL	BDL	BDL	BDL	0.07	0.10	0.04	0.03	BDL	0.05	BDL	BDL	0.24	BDL	6.50	
Max	7.69	32.00	40.00	BDL	6.70	BDL	29.00	24.10	BDL	2.46	54.00	174.50	BDL	BDL	BDL	BDL	0.12	0.10	0.06	0.06	BDL	0.63	BDL	BDL	0.43	BDL	7.70	
Average	7.63	30.67	18.33	BDL	3.10	BDL	21.65	12.25	BDL	2.33	48.67	157.33	BDL	BDL	BDL	BDL	0.10	0.10	0.05	0.04	BDL	0.35	BDL	BDL	0.33	BDL	7.10	

Please Refer Effluent Treatment Plant PFD & Details of Equipments on Next Page

ETP PFD: -



	Total power requirement of 55 MW will be met from the captive power plant. Three 175 TPH coal/petcoke fired boilers will be installed for the proposed CPP.	·
	Multi cyclone separator/ bag filter with a stack of height of 125 m will be installed to control the particulate emissions within prescribed norms	
	Existing unit has 2 DG sets of 1250 KVA capacity, that are used as standby during power failure. Stack height of 30 m has been provided as per CPCB norms for the existing DG sets	
7	All Manmade Fibres Manufacturing (Rayon) projects are listed at 5(d) of Schedule to the Environment Impact Assessment (EIA) Notification, 2006, under Category 'A' and requires appraisal at central level by Expert Appraisal Committee (EAC) in the Ministry	
8	The terms of references (ToR) was granted on 2nd February, 2017 with the exemption from public consultation in terms of para 7 (i), Point III, Stage (3)(i)(b) of EIA Notification, 2006	
9	The proposal for environmental clearance (EC) was placed before the EAC (Industry-2) in its 251h meeting held during 5-7 July, 2017 in the Ministry. The project proponent and their consultant M/s J. M. EnviroNet Pvt Ltd, presented the EIA/EMP report as per the ToR. The EAC, found the EIA/EMP report satisfactory and in consonance with the ToR, and recommended the proposal for environmental clearance with certain conditions	
10	Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), the Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project 'Expansion of Viscose Staple Fibre from 1,27,750 TPA to 2,55,500 TPA, Captive Power Plant from 25 MW to 55 MW and setting up Solvent Spun Cellulosic Fibre unit of 36,500 TPA' by M/s Grasim Industries Ltd (Grasim Cellulosic Division) at Plot No. 1, GIDC Industrial Area Vilayat, Tehsil Vagra, District Bharuch (Gujarat), under the provisions of EIA Notification, 2006 and the amendments made therein, subject to the compliance of terms and conditions, as under:	

10.Terms & Conditions

i)	The environmental clearance issued by SEIAA vide letter dated 30th 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)	the industry shall be read Limited(Chemical Division) inst Division. Please refer attached Annexure-	
ii)	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.		pliance status of the conditions conmental clearance dated 30th d to ministry.
iii)	Effluent shall be treated properly before discharging to Bay of Kambhat through GIDC pipeline.	-	ality of effluent is verified before through GIDC pipeline which is a shall follow for additional too.
iv)	Altleast, 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%).		of 100% coal with ETP bio mass. 0.5% Sulphur contents. Pl. refer
v)	Proposed effluent generation (27160 KLD) shall be reused after treating/processing through RO, etc. and fresh water requirement shall accordingly be restricted to 22,000 KLD	The Condition is amended reusing/recycling of 7,350 KLD t Please refer Annexure-06	•
vi)	Smart energy conservation equipments (like LED/solar light) shall be installed in the factory and premises.	started to install.	ipments (like LED/solar light) is
		New LED Fittings changed in place of conventional in FY- 2019 (Nos.) 1650	Planned LED fittings in FY- 2020 (Nos.) 2400
vii)	As assured, 5 MW power (of the total power requirement) shall be generated from solar power/renewable energy sources.	Scheme is under review & to be years	implemented in further Financial
viii)	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	168 Acre is construction area. We had complex along the boundary wall and	•

		Table No. 0	6
Sr. No	Duration	Area (Acre.) for Plantation	Number of Plant
1	Existing (Till FY; 2017-18)	60	37,500 Plants
2	2018-19	25	15,000 Plants
3	2019-20	25	15,000 Plant
4	2020-21	25	15,000 Plant
5	2021-223	25	15,000 Plant
6	2022-23	25	15,000 Plant
	Total=>	185	1,12,500 Plant

have been planted till Jan-2019.

We are planning to plant > 15,000 trees in FY-19 and to cover 33% of total plant area the detail action plan are Tabulated in **Table No. 06**

We have developed greenbelt along with boundary wall & planted different plant species in campus area. Following are the list of plant species. Plant species were selected as per the directives of CPCB & DFO. Photograph of green belts is attached below.

Existing Plantation Species:

Neem (Azadirachta indica), Kasood (Cassia siamea), Pine/Junglisaru (Casuarina equisetifolia), Orchid tree (Bauhinia blakeana), Gulmohar (Delonix regia), Rain tree (Samanea saman), Yellow Gulmohar (Peltophorum ferrugineum), Bottle brush (Callistemon sp.), Earleaf Acacia (Acacia auriculiformis), Kadamb (Neolamarckia cadamba), Basant Rani (Tabebuia rosea), Safeda (Eucalyptus), Bougainvillea spectabilis, Lawn Plantation and Shrubbery.

The Existing Spices for plantation are Selected by following CPCB guidelines

Proposed Plantation Species: Neem (Azadirachta indica), Kasood (Cassia siamea), Pine/Junglisaru (Casuarina equisetifolia), Orchid tree (Bauhinia blakeana), Saptparni (Alstonia scholaris), Gulmohar (Delonix regia), Rain tree (Samanea saman), Shisham (Dalbergia sissoo), Bel (Aegle marmelos), Arjun tree (Terminalia arjuna), Cassia fistula (Amaltas), Yellow Gulmohar (Peltophorum ferrugineum), Bottle brush (Callistemon sp.), Kadamb (Neolamarckia cadamba), Semal/Kapok (Bombax ceiba), Jamun (Syzygium cumini), Apple blossom tree (Cassia javanica), Sausage tree (Kigelia pinnata), Basant Rani (Tabebuia rosea), Morpankhi (Thuja occidentalis), Safeda (Eucalyptus), Guh babool (Acacia farnesiana), Kaner (Nerium indicum), Champa (Plumeria rubra), Holy basil (Ocimum tenuiflorum), Jarul (Lagerstroemia speciosa), Bougainvillea spectabilis, Lemon (Citrus lemon), Sankuppi (Clerodendrum inerme), Lawn Plantation and Shrubbery etc.

<u>Plant species for Odor management :</u> Neem (*Azadirachta indica*), Saptparni (*Alstonia scholaris*), Guh babool (*Acacia farnesiana*), Morpankhi (*Thuja occidentalis*), Bougainvillea (*Bougainvillea spectabilis*), Lemon (*Citrus lemon*), Kaner (Nerium indicum), Mehndi (*Lawsonia inermis*), Champa (*Plumeria rubra*), Holy basil (*Ocimum tenuiflorum*), Tulsi (*Ocimum sanctum*), Sankuppi (*Clerodendrum inerme*), Jasmine tree (*Plumeria alba*), Jarul (*Lagerstroemia speciosa*), Gurhal (*Hibiscus rosa sinensis*), Bunchgrass (*Vetiveria zizanioides*) etc.

Gaseous emission (SO2 & NOx) tolerant species: Neem (Azadirachta indica), Bel (Aegle marmelos), Kasood (Cassia siamea), Earleaf Acacia (Acacia auriculiformis), Saptparni (Alstonia scholaris), Aldu (Ailanthus excelsa), Siris (Albizia lebbeck), Shisham (Dalbergia sissoo), Pipal (Ficus religiosa), White fig (Ficus infectoria), Maulsari (Mimusops elengi),

Kaner (Nerium indicum), Jarul (Lagerstroemia speciosa) etc.

Green Belt Development Photographs are as under:







ix)	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 24742 nos.)
x)	Enterprises social commitment (ESC) plan shall be implemented with at least 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 nearbyvillage	detailed Plan As proposed, Hospital (with modern facilities) may

			Table No. 07					
Sector	Activity	1 st Year	2 nd Year	3 rd Year	4 th Year	5 th Year	6 th to 10 th Year	Total Amount (in Crores)
	Village level meeting for repo building and initial discussion for the community development needs in villages	0.02	0	O	О	0	0	0.02
Entry Point	Baseline / Household survey in 10 villages	0.1	0	0	0	0	0	0.1
Activities	Participatory Rural Appraisal (PRA) exercise in 10 villages	0.03	0	0	0	0	0	0.03
	Exposure visit to Village Representative	0.02	0	0	0	0	0	0.02
	Career Counseling & Educational Camp/Skills based Individual training program etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
	Merit Scholarship to girl's students for higher education / Prize Distribution to Merit Holders in Govt. Schools.	0.1	0.12	0.14	0.16	0.18	0.9	1.6
	Distribution of School uniform and Books to needy children	0.15	0.15	0.15	0.15	0.15	0.75	1.5
	Celebration of National & International days: Independent & Republic Day, yoga day, women day etc.	0.03	0.03	0.03	0.03	0.03	0.15	0.3
Educational Programmes	Village Knowledge center/school library etc.	0.01	0.01	0.01	0.01	0.01	0.05	0.1
	Assistance in School/ AWC Infrastructure	0.05	0.05	0.05	0.05	0.05	0.35	0.6
	Knowledge Program (Creative Competition-Sciences exhibition, Children's Sports activities, Education tour etc.)	0.05	0.05	0.05	0.05	0.05	0.35	0.6
	Quality of Education/Specialized Coaching	0.01	0.01	0.01	0.01	0.01	0.06	0.11
	Provision of School Faculty& educational supports	0.01	0.01	0.01	0.01	0.01	0.06	0.11
	Science Lab Equipments to schools	0.04	0.05	0.05	0.06	0.06	0.33	0.59

	School Furnisher (Benches, Black board, Fan, Cupboard &Computer etc.)	0.03	0.03	0.03	0.03	0.03	0.15	0.3
	Providing sports kit and organizing sports meet in nearby villages	0.02	0.02	0.02	0.02	0.02	0.1	0.2
	Reducing drop-out and continuing Education	0.02	0.02	0.02	0.02	0.02	0.1	0.2
	Balwadi Centers/ day care centers development	0.01	0.01	0.01	0.01	0.01	0.05	0.1
	Mother and Child care program, Malnutrition etc.	0.06	0.06	0.06	0.06	0.06	0.3	0.6
	Preventive & Curative Health Care / Mega Eye Check-Up and Operation Camp/ general health camp/Specialized Health Camps / Blood Donation Camp / Support in Pulse Polio Camp etc.	0.05	0.05	0.05	0.05	0.05	0.3	0.55
	Adolescent health care-promoting the use of sanitary napkins etc.	0.08	0.08	0.03	0.03	0.03	0.35	0.6
Health and Family	Health & Sanitation Awareness Camp / Trainings (IEC Programme,	0.01	0.01	0.01	0.01	0.01	0.05	0.1
Welfare Programme	Healthy Baby Competition	0.01	0.01	0.01	0.01	0.01	0.05	0.1
	Treatment of BPL, Old age or needy patient	0.04	0.04	0.04	0.04	0.04	0.2	0.4
	Separate toilets constructed an to BPL families	0.1	0.1	0.1	0	0	0	0.3
	Mobile Dispensary Programme	0.15	0.06	0.06	0.06	0.06	0.3	0.69
	Support to Primary Health Centers/ sub centers etc.	0.05	005	0.05	0.05	0.05	0.25	0.45
	Ambulance	0.15	0.06	0.06	0.06	0.06	0.3	0.69
	C:C Road/ Paver Block Development/ Drainage System Development	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Infrastructure Development	Community Pasture Land Development/ Orchard Development etc.	0.02	0.02	0.02	0.02	0.02	0.1	0.2
	Renovation of Temple	0	0	0	0	О	0	0
	Construction of Community centre	0.15	0.15	0	0	0	0	0.3

1		1	Ī	Ī	Ī	I	I
Construction of School building up gradation/ New etc.	0.15	0.15	0.15	0.15	0.15	0.75	1.5
Low cost housing facilities etc.	0.1	0.1	0.1	0.1	0.1	0.5	1
New/ Up-gradation of washing platform- specially women's	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Development of the Drinking Water Facility i.e. Hand Pump/Bore Well/Water Tank/ Pipe line etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Village Sanitation Equipment & Construction / Drainage System etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Repair the School / AWC Building etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Non-Conventional energy system viz. Solar Light ,Low smoke wood stoves, Biogas etc.	0.03	0.03	0.03	0.03	0.03	0.15	0.3
Construction of Public Pyau	0.02	0.02	0.02	0.02	0.02	0.1	0.2
Construction of Hospital	7	7	5	5	5	7	36
Construction of Public Sanitation Complex in the nearby villages	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Construction of Funeral Shed in the nearby villages	0.02	0.02	0.02	0.02	0.02	0.1	0.2
Sewing & Tailoring Center/ garment production center etc.	0.04	0.04	0.04	0.04	0.04	0.2	0.4
vocational skill training center: computer course/mobile repairing/TV repairing com/Electrical / welder/fitter/ Wireman /Plumber/ handicraft/ beautician,/Masala making/ vermi compost/ nadep etc.	0.04	0.04	0.04	0.04	0.04	0.2	0.4
Support to SHGs for entrepreneurial activities& capacity building of rural women and men for programmes like – saving & credit linkages with bank,	0.1	0.1	0.1	0.1	0.1	0.5	1

Livelihood infrastructure/ Enhancement etc.	0.1	0.1	0.1	0.1	0.1	0.5	1
Support to Rural Enterprise development & Income Generation etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Natural Resource conservation programs/Plantation / Green Belt Development /Roadside Plantation& Tree guard provided to protect Trees etc.	0.05	0.05	0.05	0.05	0.05	0.25	0.5
Integrated Livestock development: cattle breed improvement/ Innovative Cattle Feeding System/ Dairy development /Distribution Green founder seed for cattle etc.	0.08	0.08	0.08	0.08	0.8	0.3	1.42
Integrated agricultural Development Program: Hi-yield Varity Seed Distribution/Saplings Planted - fruits & forest species etc.	0.08	0.08	0.08	0.08	0.08	0.4	0.8
Promotion of Agricultural Equipment – Drip irrigation etc.	0.1	0.1	0.1	0.1	0.1	0.5	1
Farmer's club Training centers / Agriculture & Horticulture productivity improvement programmes/ field exposure visit Training etc.	0.1	0.1	0.06	0.06	0.06	0.3	0.68
Bacteriological Water testing in well, Hadpump Etc	0.02	0.02	0.02	0.02	0.02	0.1	0.2
De-silting & Renovation of Farm Pond/Anicut	0.02	0.02	0.02	0.02	0.02	0.1	0.2
Construction of Rain Water Harvesting Structures / Roof top water harvesting / Pond deepening etc.	0.02	0.02	0.02	0.02	0.02	0.1	0.2

	Farm Bunding with masonry waste weir / Catchment Area Treatments	0.02	0.02	0.02	0.02	0.02	0.1	0.2		
	Organizing & supporting rural socio- cultural programme with villagers & with District Administration	0.06	0.06	0.06	0.09	0.06	0.3	0.63		
Social Issu		0.02	0.02	0.02	0.02	0.02	0.1	0.2		
Interventi	Donation in Sports tournaments	0.01	0.01	0.01	0.01	0.01	0.05	0.1		
	Marathon Race for social abuse Early marriage or HIV Prevention	0.01	0.01	0.01	0.01	0.01	0.05	0.1		
	Impact assessment study / Household survey in 10 villages	0	0	0	0.05	0.05	0.25	0.35		
	TOTAL (In Crores) eral Conditions: -	10.16	9.79	7.62	7.63	8.34	20.5	64.04		
r	The project authorities must strictly acmade by the Central Pollution Contro Control Board, State Government a authority	ol Board, S	State Pollution	We strictly adhere to the stipulations made by the Conformal Pollution Control Board, State Pollution Control Board, Government and any other statutoryauthority. CPCB – Six monthly EC Compliance GPCB – Monthly Patrak						
() () () () () () () () () ()	No further expansion or modifications in out without prior approval of the Minist and Climate Change. In case of deviation project proposal from those submitt clearance, a fresh reference shall be assess the adequacy of conditions important protection measures requestion measures requestion.	ry of Environs on alto the total to the total to the sed and to the sed and to	onment, Forest erations in the s Ministry for he Ministry to add additional	Noted, We win the plane Environment Presently W	will not do ant without it, Forest are have applicion capacit	any further exportion approved the control of the c	val of the inge. ment in EC	modifications e Ministry of for increasing re (VSF) from		
				Application 15.01.18	No. : F.	No. J-11011/3.	21/2016-IA	\-II(I)Pt, Dated		
c	The locations of ambient air quality modecided in consultation with the State (SPCB) and it shall be ensured that at	Pollution	Control Board	There are 4 nos. AAQ monitoring stations installed consultation with GPCB in nearby 4 villages, at Derol, Vilaya Sranar and Argama within 2-3 kms radius. Also monitorin						

installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated

AAQ inside plant periphery.

There are 4 nos. of Ambient air quality monitoring stations covering all directions in nearby villages. Monthly monitoring is being done on monthly by NABL accredited Lab. The Ambient Air quality results for the period of Jul-18 to Dec-18 is tabulated as under **Table No. 08**

Monthly Report from Unistar Refer as **Annexure-07**

Agency: - Unistar Environment & Research Lab Pvt. Ltd

Instrument ID & Name: -1) UERL/AIR/RDS/02 -1) Respirable Dust Sampler (Calibration Period: -10.08.2018 - 09.08.2019)

2) UERL/AIR/FPS/08 – Fine Particulate Sampler (Calibration Period: - 10.08.2018 – 09.08.2019)

Table No. 08

			SARNAF	₹					DERO	L					ARGA	MA			VILAYAT						
Mont h	SPM PM10	SPM PM2.5	SO2	NO 2	H2S	CS2	SPM PM10	SPM PM2.5	SO2	NO2	H2S	CS2	SPM PM10	SPM PM2 .5	SO2	NO2	H2S	CS2	SPM PM10	SPM PM2. 5	SO2	NO2	H2 S	CS2	
			μg/m3					μg/m3							μg/n	n3				μg/m3					
Norm																							15		
S>	100	60	80	80	150	100	100	60	80	80	150	100	100	60	80	80	150	100	100	60	80	80	0	100	
Jan-19	76	28	21	25	BDL	BDL	78	26	22.0	28	BDL	BDL	74	24	22.0	28	BDL	BDL	78	27	20	26	BD L	BDL	
																							BD		
Feb-19	79	26	23	28	BDL	BDL	76	24	20	24	BDL	BDL	72	21	19	24	BDL	BDL	77	25	22	26	L	BDL	
Mar-																							BD		
19	78	25	18	24	BDL	BDL	83	28	19	23	BDL	BDL	87	29	23	27	BDL	BDL	84	33	20	25	L	BDL	
Min	76	25	18	24	BDL	BDL	76	24	19	23	BDL	BDL	72	21	19	24	BDL	BDL	77	25	20	25	BD L	BDL	
Max	79	28	23	28	BDL	BDL	83	28	22	28	BDL	BDL	87	29	23	28	BDL	BDL	84	33	22	26	BD I	BDL	
Averag				25.	552								<u> </u>						0-1				BD		
е	77.7	26.3	20.7	7	BDL	BDL	79.0	26.0	20.3	25.0	BDL	BDL	77.7	24.7	21.3	26.3	BDL	BDL	79.7	28.3	20.7	25.7	L	BDL	

iv.	The National Ambient Air Quality Emission Standards issued by						
	the Ministry vide G.S.R. No. 826(E) dated 16 ¹ November, 2009 shall be followed						
V.	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 Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70						

The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16¹ November, 2009 are being followed.

Following measures are taken to control noise level:

- Provision of Silencers
- Acoustic Enclosures
- Rubber pads for rotating equipment

dBA(night time)

The Noise level (dB) at workroom for last 6 months is tabulated as under Table No. 09:

Calibration Period: - 17.01.18 - 17.01.19

dB Meter: - Make: - Lutron SL-4010

Certification Agency: - Tools MRO Safety / Address: - 806 – 808, Abhinandan Royale, Opp. Rajhans Olympia, Bhatar Road, Surat – 395007, Gujarat, India

Reference Standard: - Sound Level Calibrator, Sr. No. 348982, Calibration Validity Up to: - 08.01.2020

Area	Jan-19		Feb	-19	Mar-19	
	Day	Night	Day	Night	Day	Night
	Time	Time	Time	Time	Time	Time
Norms=>	75	70	75	70	75	70
Main Gate	62	59	60	55	65	54
Material Gate	57	51	62	59	68	53
OHC	68	61	63	62	66	59
Derol	56	52	65	56	59	56
Vilayat	57	56	58	55	62	57
Sarnar	54	51	56	55	67	54
Argama	54	52	57	54	62	53

vi.	The Company shall harvest rainwater from the roof tops of the	Scheme is being developed to collect rooftop rain water of major buildings in
	buildings and storm water drains to recharge the ground water and	a pond for recycle / reuse.
	use the same water for the process activities of the project to	We have assigned job to experts M/s Allegiance Enterprises, Vadodara in
	conserve fresh water	the field of rain water harvesting. They have surveyed our plant site
		and submitted final proposal. Pl. refer Annexure-08 , The Proposal to
		implement the scheme is considered in GCI of FY-20.
vii.	Training shall be imparted to all employees on safety and health	Trainings are imparted to all employees on safety and health aspects
	aspects of chemicals handling.	of chemicals handling.
		Please refer Annexure-09 for training details
	Pre-employment and routine periodical medical examinations for	Pre-employment and routine periodical medical examinations for all
	all employees shall be undertaken on regular basis.	employees are undertaken on regular basis.
	Training to all employees on handling of chemicals shall be imparted.	Training is done for all employees on chemical handling.
viii.	The company shall also comply with all the environmental	All conditions as prescribed in EC, NOC and CC&A is maintained and
VIII.	protection measures and safeguards proposed in the documents	monitored regularly. Detailed status of EIA/EMP is attached as
	submitted to the Ministry. All the recommendations made in the	Annexure-10

		spect of environmental management, ures relating to the project shall be imple					
ix.	x. 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.			measures i beneficiarie proposed E and submit	n and around 25 Ness covered in FY'19 co development plan	various community dev Villages and 61,515 n (April'18 to March'19) yearly basis through CSR date in Annual Environm	os. of Unit has activities
x.	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment			Eco develo done unde	pment measures inc	luding community welfa attached in Annexure- Table No.10	_
			Table I	No. 10			
	Financial Year	Average Net Profit (in Crore) of the company (As per 135(S) company's Act)		CSR Amount (2%)	Actual Spent in CSR (Amount in Crore)	% Spent CSR against Net Profit	
	2015-2016	791	1	.5.82	15.05		
	2016-2017	790	1	.5.80	18.06		
	2017-2018	1107	2	2.14	29.84		
	Total=>	2688			62.95	2.34%	
xi.	fledged laborat	ironmental Management Cell equipped cory facilities shall be set up to carry Management and Monitoringfunctions		Chemical, l		nment Management/ Engources and also from Pinization chart.	



Conductivity & TDS Meter



pH Meter



High Volume Sampler



Analytical Balance



BOD Incubator



Oven & Muffle Furnace



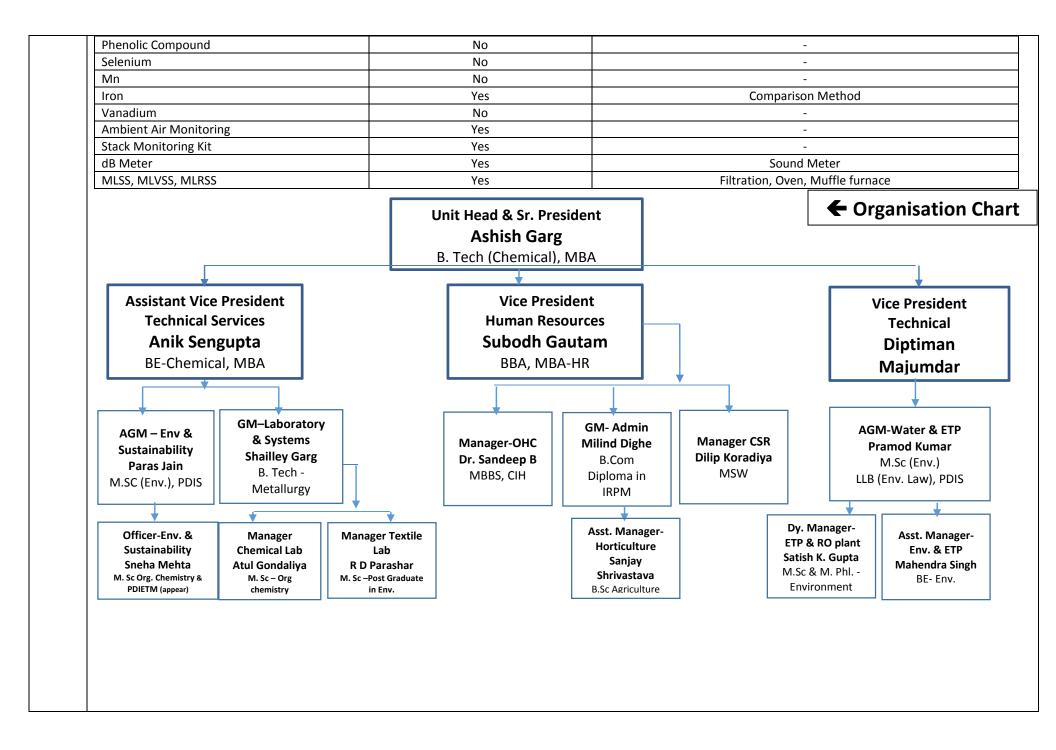
Spectro photo Meter



COD Digester

Available Facilities In Laboratory

Name of Parameter	Testing Facility Available	Name of Instrument
•	Yes or Not	•
рН	Yes	pH Meter
Colour	Yes	Physically
Temperature	Yes	Thermometer
TSS	Yes	Filtration method
Oil & Grease	Yes	Extraction Method
Fluoride	No	-
Sulphide	Yes	Resin Method
Ammonical Nitrogen as N	No	-
Copper	No	-
Zinc	Yes	EDTA Method
COD	Yes	COD Digestion Method
BOD	Yes	3 Days Incubation Method
Total Residual Chlorine	Yes	Titrimetric Method
Arsenic	No	-
Mercury	No	-
Hexavalent Chromium	Yes	UV Spectrophotometer
Total Chromium	No	-
Lead	No	-
Cadmium	No	-
Nickel	No	-
Cyanide	No	-



xi.	The company shall earmark s	any shall earmark sufficient funds towards capital cost			Separate fur	nds is earm	arks on anr	nual basis for Environmental
	and recurring cost per annum to implement the conditions			ditions	management	t		
	stipulated by the Ministry o	stipulated by the Ministry of Environment, Forest and Climate			Please refer Table No.11 for fund Utilization details.			ization details.
	Change as well as the State Government along with the							
	implementation schedule for		•					
	The funds so earmarked for e		• • •	llution				
	control measures shall not be	diverte	ed for any other purpose				_	
	SI. Particular Capex		Capex	Opex	Opex	Opex		
					FY-17	FY-18	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			172.00	16.00	15.71	17.2	
		In FY-19 (EDTA for H2S Recovery) 35.0		35.0	-	-	-	
			Total Amount=>	210.0	-	-	-	

xiii.	A copy of the clearance letter shall be sent by the project proponent	A copy of clearance letter is submitted to Panchayat & GIDC
	to concerned Panchayat, Zilla Parishad/Municipal Corporation,	authorities.
	Urban local Body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing	
	the proposal	
xiv.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance	Regularly submitted six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including
	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	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
	shall be posted on the website of the company	monthly compliance status report are posted on the website of the company Please refer Annexure-11 of last EC's six monthly compliance
		submitted.
XV.	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,	The environmental statement for each financial year ending 31st March in Form-V as is submitted to the State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website
	shall also be put on the website of the company along with the	of the company along with the status of compliance of

	status of compliance of environmental clearance conditions and shall also be sent to the respective Regional offices by e-mail	environmental clearance conditions and also sent to the respective Regional offices by e-mail Please refer attached Form-V for FY-18. Annexure-12
xvi.	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	18.01.2018. Copy attached as Annexure-13
	Name of Paper: - Indian Express Date of Issue: - 28.12.2007 In: - English language	Name of Paper: - Gujarati Loksatta Date of Issue: - 28.12.2007 In: - Gujarati language
	ADITYA BIRLA GROUP Grasim Cellulosic Plot No1, GIDC Vilayat Dist: Bharuch, (Gujarat) Environment Clearance by MOEF Vide letter No. F.No.J-11011/463/2007-IA II (I), dated 20-12-07, which was received on 24-12-2007, the Ministry of Environment and Forests (Govt. Of India) has accorded Environmental Clearance for the Green Field Viscose Staple Fibre (127750 TPA) and Captive Power Plant (25 MW). Copies of the clearance letter are available with GPCB and may also be seen at website of the Ministry of Environment and Forests at http:\envfor.nic.in	ADITYA BIRLA GROUP ગાસીમ સેલ્યુલોઝીક પ્લોટ નં૧, જીઆઈડીસી વિલાયત, ડી.ભરૂચ, (ગુજરાત)

Grasim Industries Limited
Registered Office: P.O.-Birlagram, Nagda-456 331 Dist.-Ujjain (MP)

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	EC Amendment on 15.01.2018 & following are the advertisement	Name of Paper : - Gujarat Samachar
	details.	Date of Issue: - 19.01.2018
		In: - Gujarati language
	Name of Paper: - Times of India	
	Date of Issue: - 19.01.2018	
	In: - English language	
	TIMES CITY Tournel to the control of the control	મિયાર સાળામાં બદલી કરાઇ સની મુખ્ય શિકાક ખાતાકીય તપાસ શરૂ કરાશો કર્યા કરાય માર્ગ કરાય મારાગ કરાય મા
xvii.	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	We will submitted the desired information on project completion to 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.
11.	The Ministry may revoke or suspend the clearance, at subsequent stages, if implementation of any of the above conditions is not satisfactory	We have noted & will abide above conditions satisfactorily
12.	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions	
13.	The above conditions will be enforced, <i>inter alia</i> under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Water 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	We are following terms & conditions GPCB CC&A compliance, Please refer attached detailed CCA Report as Annexure-14