

GRASIM/ENV/ /2023 28th November 2023

To, Integrated Regional Office (IRO) A-Wing – 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10A, <u>Gandhinagar – 382010</u>

Kind Attention: Dr. Yogesh Kumar

Sub. : Compliance Status of Environmental Clearances accorded by Ministry of Environment, Forests & Climate Change, Government of India, New Delhi

Ref. : 1. MoEF Letter No. J-11012/25/95-IA. II (I) dated 19.06.1995 & Amendment dated 31.08.1998

- 2. MoEF Letter No. J-11011/445/2008-IA. II (I) dated 18.07.2008
- 3. MoEF Letter No. J-11011/382/2008-IA. II (I) dated 02.08.2011
- 4. MoEF Letter No. 11-80/2008-IA.III dated 20.10.2008
- 5. MoEF Letter No. 11-80/2008-IA.III (Part II) dated 07.12.2009
- 6. MoEF& CC Letter No. J-11011/343/2013-IA II (I) dated 22.06.2015

Respected Sir,

This is in reference to above mentioned letters received from MoEF&CC, please note that we are complying all stipulated condition. We are attaching herewith the descriptive reports on status of compliance to conditions of Environmental Clearance and Environmental Management for the period 1st April 2023 to 30th September 2023 as <u>Annexure - A.</u>

We hope you will find the above in order.

Yours Faithfully,

For Grasim Industries Limited; Unit - Indian Rayon

Chashank Pareek Unit Head

CC:

The Regional Officer Gujarat Pollution Control Board Pankaj Vikas Bunglow Opposite Saint Annes Church Station Road Junagadh – 362001

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The Director Forest and Environment Department Block No. 14, 8th floor Sachivalaya <u>Gandhinagar – 382010</u>

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Central Pollution Control Board Zonal Office (West), Parivesh Bhawan, Atmajyoti Ashram Rd, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara - 390023



Grasim Industries Limited (VFY – Fashion Yarn Business) Unit : Indian Rayon,Veraval - 362 266, Dist. Gir Somnath, Gujarat, INDIA. T: +91 2876 248401/245711 | F: +91 2876 243220 E: indian.rayon@adityabirla.com | W: www.raysil.co.in / www.grasim.com Registered Office: Birlagram, Nagda - 456 331 (M.P.) | Corporate ID No.: L17124MP1947PLC000410

DESCRIPTIVE REPORT ON STATUS OF COMPLIANCE TO CONDITIONS OF ENVIRONMENTAL CLEARANCES AND ENVIRONMENTAL MANAGEMENT

Α.	As per Letter No. J-11011/343/2013-IA II (I) c	lated 22 nd June, 2015 by MoEF & CC for Proposed Expansion
	of Viscose Filament Yarn (1650 to 2400 MTP	M), Sodium Sulphate (Na2SO4) Plant (2050 to 2350 MTPM),
	Captive Power Plant (34.5 to 54.5 MW) alon	g with Installation of Sodium Sulphite (Na $_2$ SO $_3$) Plant (3000
	MTPM) & Liquid Sulphur Dioxide (SO ₂) Plant	t (1500 MTPM).
i.	ESP and adequate stack height shall be	The Existing CPP (Boiler 1 & 2) based on CFBC technology is
	provided to coal fired boiler to control air	installed with three nos. of 3 field Electrostatic Precipitator
	emissions within the limit stipulated by	(ESP) to control particulate emissions. The Existing CPP
	CPCB and GPCB. Low NO_X burner shall be	Boiler 3 has been provided with additional Electrostatic
	provided in captive Co-generation power	precipitator i.e. four field ESP in the month of January 2023.
	plant to reduce the NOx emissions.	Opacity meter has also been installed for Continuous PM
		Emission Monitoring.
		Adequate stack height of 122 m (each) for stack no 1
		attached to Boiler No.1 & 2 and stack 2 attached to Boiler 3
		& 5 is maintained as per CPCB Standard to control air
		emission within the limit stipulated by CPCB & GPCB.
		The Boiler No. 5 (CFBC technology) has been commenced in
		May 2022. The connection of Boiler No. 5 hooks up with
		existing chimney attached to Boiler No.3. The Boiler 5 is
		equipped with 4 field Electrostatic Precipitator to control
		particulate emission. The Consent to Operate (CTO) to
		increase the production of Captive Power Plant (34.5 to
		54.5 MW) has been issued on 12.09.2022 vide letter no.
		GPCB/CCA/JNG-1(34)/ID-17239/682802. The corrected
		CCA amendment issued on 16.09.2022 vide letter no
		GPCB/CCA/JNG-1(34)/ID-17239/753418. The said CCA
		attached as Annexure- I.
ii.	The gaseous emissions (SO ₂ , NOx, CS ₂ , H ₂ S,	The existing Chlor-Alkali plant is installed with Online
	CO, HC) and particulate matter from	Continuous Emission analyzer for parameter Cl_2 and HCl in
	process and CPP units shall confirm norms	Hypo and HCl Stack respectively. Similarly, Online
	prescribed by the CPCB/ GPCB from time to	Continuous Emission Monitoring System have been
	time. At no time, the emission levels shall	installed for Parameter Particulate Matter PM , SO_2 , NOx for

	go beyond the prescribed standards. In the	both the Old and New Power Plant and data w.r.t. all above
	event of failure of any pollution control	mentioned parameter has been transmitted to GPCB and
	system adopted by the unit, the respective	CPCB server. The unit has installed Online Continuous
	unit shall not be restarted until the control	Emission Monitoring System for parameter SO ₂ at both the
	measures are rectified to achieve the	Sulphuric Acid Plant.
	desired efficiency. Continuous emission	We have installed total 6 nos. of SO_2 sensor, 6 nos. of CS_2
	monitoring system (CEMS) should be	sensor, 3 nos. of H_2S sensor in and around CS_2 plant to
	installed to measure SO_2 , NOx and	indicate the Work Zone concentration of CS_2 , SO_2 & H_2S
	particulate from the CPP stack and SO ₂ , CS ₂	gas. In addition, we have installed Online Continuous
	and H_2S from process plant stacks.	Emission Monitoring System for parameter CS_2 & H_2S for
		both Rayon Stack and now analyzer performance is kept
		under stabilization.
		We have also installed 43 Nos. of Chlorine Sensors in our
		Caustic Soda Plant and other location in plant which are
		inter-connected to the Distributed Control System through
		which whole lot of manufacturing process are carried out.
		Also we have installed 13 Nos. of hydrogen sensors for
		monitoring which are hooked up with DCS for onsite
		hydrogen handling area in Caustic Soda Plant.
		The gaseous emission from process stacks conform to the
		standard as per prescribed by GPCB/CPCB. The reports are
		submitted to GPCB every month and Six monthly reports
		are being submitted to Integrated Regional Office (IRO),
		Gandhinagar. Copy of the Stack monitoring results are
		attached as <u>Annexure – II.</u>
		Apart from above, stack monitoring, AAQ and Treated
		Effluent Analysis results performed by NABL (QCI)
		accredited laboratory namely "Kadam Environmental
		consultants" Vadodara, results of which are attached as
		<u>Annexure – III.</u>
iii.	Exhaust containing CS ₂ and H ₂ S gas from	H_2S gas is scrubbed with Caustic Soda in two stage
	rayon plant shall be passed through	absorption system to recover Sodium Sulphide. The
	scrubber.	gaseous emission from the Carbon di-Sulphide plant in the
		form of CS_2 are recovered by condenser.

Exhaust gas containing $CS_2 \& H_2S$ gas is controlled by supplying humidified air through Air Washers continuously. The exhausting dilute gases through 2 Nos. of process stack and the emission level of both $CS_2 \& H_2S$ concentration is maintained within permissible limit.

The project will be expanded in three phases within 10 years for which EC & CTE have been granted.

Phase-1: We have been granted Consolidated Consent and Authorization (CCA) from GPCB, Gandhinagar for enhancing VFY production from 1650 MTPM to 1950 MTPM *vide* letter no. GPCB/CCA/JNG-1(23)/ID17239/345269 dated 12.02.2016. We have been granted a renewed CC&A No. GPCB/ID- 17239/CCA/JNG-1 (27) for which Consent order number is. AWH -92560 Date of issue: 23/04/2018. For enhancing VFY production, 12 New Machines has been installed in the month of May 2022. The existing pollution control facilities are adequate to maintain the stipulated norms by GPCB.

Phase -2: In order to further increase the production of Captive Power Plant capacity from 34.5 MW to 54.5 MW within the existing plant premises, amendment of Consolidated Consent and Authorization (CCA) from GPCB, Gandhinagar has been granted through *vide* letter no. GPCB/CCA/JNG-1(34)/ID-17239/682802 issued on 12.09.2022. Further, correction to Consolidated Consent and Authorization (CCA) from GPCB, Gandhinagar has been granted through *vide* letter no. and Authorization (CCA) from GPCB, Gandhinagar has been granted through *vide* letter no. GPCB/CCA/JNG-1(34)/ID-17239/682802 issued on 12.09.2022. Further, correction to Consolidated Consent and Authorization (CCA) from GPCB, Gandhinagar has been granted through *vide* letter no. GPCB/CCA/JNG-1(34)/ID-17239/753418 issued on 16.09.2023.

Phase – 3: In order to further increase the production of Viscose Filament Yarn (1950 MTPM to 2400 MTPM), Sodium Sulphate (Na_2SO_4) Plant (2050 to 2350 MTPM), new product Sodium Sulphite (Na_2SO_3) Plant (3000 MTPM) and Liquid Sulphur Dioxide (SO₂) Plant (1500 MTPM) within the

		evicting plant promises, we shall seek approval for CTO
		existing plant premises, we shall seek approval for CTO
		from GPCB prior to production.
		During the commissioning of phase- 3, concentration of CS ₂
		& H_2S in process gas shall remain within permissible limit by
		the application of similar facilities.
iv.	Ambient Air Quality data shall be collected	Four Nos. of AAQ stations are installed and ambient air
	as per NAAQS standards notified by the	quality is being measured for parameters such as PM_{10} ,
	Ministry vide G.S.R. No 826 (E) dated 16 th	$PM_{2.5}$, SO_x , NO_x , CS_2 , H_2S , HCI , and CI_2 . Location of AAQ
	September, 2009. The levels of PM_{10} , $PM_{2.5}$,	Stations are finalized after consultation with GPCB officials.
	SO ₂ , NO _x , CO, CS ₂ , H ₂ S, HCl, VOCs and	Copy of the AAQ monitoring results from April 2023 to
	methane and non-methane HC shall be	September 2023 are attached as <u>Annexure – IV</u> . The AAQ
	monitored in the ambient air and displayed	results are being displayed in main gate and the same is
	at a convenient location near the main gate	being updated regularly. The AAQ results are being
	of the company and at important public	uploaded in our website
	places. The company shall upload the	(http://www.grasim.com/sustainability.aspx) regularly.
	results of monitored data on its website and	Simultaneously, the same AAQ results are sent to all the
	shall update the same periodically, it shall	statutory body. Apart from above, Ambient Air Quality
	simultaneously be sent to the Regional	monitoring is performed by GPCB approved Environmental
	office of MoEF, the respective Zonal office	Auditor Namely R K University, Rajkot.
	of CPCB and GPCB	Further, we have installed Three nos. of online Continuous
		Ambient Air Quality Monitoring System (CAAQMS) over
		Rooftop of our Rayon Administrative Building, over rooftop
		of Caustic Soda Administrative Building & Guest House
		Building. Online Data from these stations are being
		transmitted to GPCB server. In addition, AAQ and Treated
		Effluent Results are being displayed over digital interface at
		our Main gate.
٧.	In plant control measures for checking	We have taken adequate preventive measures in all
	fugitive emissions from all the vulnerable	potential fugitive emission generating points such as coal
	sources shall be provided. Fugitive emission	handling point, transfer point etc. to control fugitive
	shall be controlled by providing closed	emission. The arrangements are as below:
	storage, closed handling & conveyance of	• Coal is being kept in a covered shed and it is being
	chemicals/materials, multi cyclone	transferred to Coal Bunker through encased conveyor
	separator and water sprinkling system. Dust	Belt system to prevent fugitive dust emissions.
	Separator and Water Sprinking System. Dust	Beit system to prevent rughtive dust emissions.

	suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emission shall confirm to the limits stipulated by the GPCB.	 Bag Filters & Cyclone Separator (Mechanical dust collector) with Coal fired boilers to control particulate emissions. Water sprinkler system in Coal Handling Plant to control fugitive emissions. Dry fog based Dust suppression system (114 Nos. Nozzles) provided in Coal Handling plant with investment of Rs. 30 Lacs to control of sub-micron particle of dust. Water sprinkler system in coal yard to control particulate emissions. Water sprinkler system in ash pond area to control particulate emissions. Further, to improve the Ambient Air Quality, 26 Nos. of Rain Guns are provided for suppression of Coal Dust in Coal Storage & Handling Unit. Work environment is being monitored on continuous basis by chlorine sensors installed at different locations as per the requirement. CS₂ and H₂S are also being monitored and maintained and it is being reported to statutory Authority in Form No- 37.
vi.	The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG set to mitigate the noise pollution.	 We have D.G Sets for emergency power back up having Stack Height as per GPCB Standards, which are as given below: 1 Nos. of D.G set (1500 KVA) (Stack Height = 31 m) 4 Nos. of D.G sets (750 KVA) (Stack Height = 11 m) The DG sets is provided with the acoustic enclosures to mitigate the noise.
vii.	Total fresh water requirement from Umrethi Dam supply should not exceed 15938 m ³ /day and prior permission shall be obtained from the concerned Authority. No	Agreed. Total fresh water requirement from Umrethi Dam supply will be maintained within the limit as per stipulated condition. We will further reduce fresh Water consumption

	evenued water chauld be used. Effected	through water concernation records such as 20/a
	ground water should be used. Efforts	through water conservation measures such as 3R's
	should be made to reduce the fresh water	(Reduce, Reuse and Recycle).
	requirement by adopting 3R's (Reduce,	
	Reuse and Recycle) concept.	
viii.	Total industrial wastewater generation	We have been granted with Amended Consolidated
	shall not exceed 10540 m ³ /day. As proposed, effluent should be treated in effluent treatment plant. Treated effluent	Consents and Authorization from Gujarat Pollution Control Board (GPCB) <i>vide</i> letter no. GPCB/CCA/JNG-1(34)/ID- 17239/682802 for generation of 12,322 m3/day treated
	shall be discharged into conveyance system	effluent. Further, the corrected CCA Amendment is granted
	for marine disposal after confirming to the	on 16.09.2023 vide letter no. GPCB/CCA/JNG-1(34)/ID-
	standards prescribed for marine discharge	17239/753418.
	norms and obtaining permission from the GPCB. Treated effluent should be passed through guard pond. Online pH meter, TOC analyzer and flow meter should be installed. No process effluent shall be discharged in and around the project site. Sewage should be treated in STP. The water quality monitoring report for treated effluent should be submitted to the CPCB and Ministry's regional office at Bhopal.	After the expansion, our wastewater generation will not exceed 10,540 m ³ /day. We have Effluent Treatment Plant (ETP) having adequate capacity and it will be adequate for treatment of wastewater after Expansion. The installation of High rate solid contact clarifier-HRSCC for better performance is underway. The treated effluent is processed through guard pond. Thereafter it is being discharged into sea through pipeline having design discharge capacity of 15,000 m ³ /day into deep sea with diffuser system and same meets all parameters within the GPCB limits.
		Further, we have installed Online Continuous Effluent
		Monitoring system for pH, TSS, Temperature & Flow and
		the online data has been transmitted to GPCB/CPCB server.
		In addition to this, we have installed Sewage Treatment Plant of capacity 500 m ³ /day. However, we are generating sewage within limits of 388 m ³ /day. The treated effluent from STP is being utilized as source of make-up Water for cooling Towers & in Plantation. Copy of Treated Effluent Analysis report for the period from April 2023 to September 2023 is attached as <u>Annexure – V</u>
		Apart from above, Treated Effluent Analysis is done by

		GPCB approved Environmental Auditor Namely R K
		University, Rajkot. Also, we have installed Online
		Continuous Emission Monitoring System for parameter TOC
		at site and it is in operation.
ix)	As proposed, effluent recycling RO plant	In Phase -1, we have installed RO Plant of 500 m ³ /day and
,	shall be installed to produce 2000 m^3/day	is in operation. We have also installed 1000 m ³ /day Effluent
	recycle water. Efforts shall be made for	recycle plant based on RO system. Efforts for recovery of
	recovery of sodium thio-sulphate.	Sodium thio-sulphate is noted.
x)	Treated effluent should be passed through	At present, treated effluent is processed through guard
	guard pond. Online pH meter, TOC analyzer	pond. Thereafter it is being discharged into sea through
	and flow meter should be installed.	pipeline into deep sea having design capacity of 15,000
	Sulphide contents in the effluent should	m^3 /day with diffuser system and same meets all
	also be monitored.	parameters within the GPCB limits.
	also be monitored.	parameters within the Greb limits.
		Further, Online Continuous Effluent Monitoring system for
		pH, TSS, Temperature & Flow have been installed in our ETP
		and the online data has been transmitted to GPCB/CPCB
		server.
		Sulphide concentration in effluent water is being regularly
		monitored.
		We have installed Online Continuous Emission Monitoring
		System for parameter TOC at site and it is in operation.
xi)	Process effluent/ any wastewater shall not	The unit ensured & take all precautionary measures
	be allowed to mix with storm water. Strom	regularly to avoid mixing of both the streams (Storm &
	water drain shall be passed through guard	Process) which is done by formulating periodic schedule for
	pond.	cleaning of all Effluent Channel as well as storm channels
		which eliminate the possibility of chocking of the drains.
		The instructions are taken care by all the concerned
		departments / sections for implementation on continuous
		& regular basis.
xii)	The company shall obtain Authorization for	The unit has been granted with permission from GPCB for
	collection, storage and disposal of	collection, storage and disposal of 18 No of Hazardous
	hazardous waste under the Hazardous	waste under the Hazardous Other Waste (Management &
	Waste (Management, Handling and Trans-	Trans-boundary movement) Rules, 2016 in CC&A vide
	Waste (Management, Handling and Trans-	Trans-boundary movement) Rules, 2016 in CC&A vide
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	boundary movement) Rules, 2008 and	Letter No. GPCB/ID- 17239/CCA/JNG-1 (27)453902 dated
	amendment as on date for management of	03.05.2018; further amended vide Letter No.
	hazardous waste and prior permission from	GPCB/CCA/JNG-1(34)/ID- 17239/682802 dated 12.09.2022.
	GPCB shall be obtained for disposal of	and correction to Consolidated Consent and Authorization
	solid/Hazardous waste in the TSDF. A copy	(CCA) from GPCB, Gandhinagar has been granted through
	of the same shall be submitted to the	vide letter no. GPCB/CCA/JNG-1(34)/ID-17239/753418
	Ministry and Ministry's regional office at	issued on 16.09.2023.
	Bhopal.	Solid/Hazardous Waste Generated from the process is
		being disposed through GPCB approved TSDF/CHWIF with
		prior permission.
xiii)	The company shall strictly comply with the	• The unit has been granted authorization for handling
	rules and guidelines under Manufacture,	and storage of Hazardous waste, generated in the plant
	Storage and import of hazardous chemicals	and relevant procedures are followed. The approvals
	(MSIHC) Rules, 1989 as amended time to	from Chief Inspectorate of Factories, Gandhinagar,
	time. All transportation of Hazardous	Chief Controller of Explosives, Nagpur and Fire Safety
	Chemicals shall be as per the motor vehicle	Inspectorate has been obtained.
	Act (MVA), 1989.	• We are complying with the rules and regulations under
		Manufacture, Storage and Import of Hazardous
		Chemicals Rules, 1989 as amended in October, 1994
		and January, 2000.
		• All transportation of hazardous chemicals is being done
		as per the Motor Vehicle Act (MVA), 1989 as registered
		vehicles are only used for transportation.
xiv)	All the recommendations mentioned in the	We have onsite Emergency plan and offsite Emergency
	Environment Management Plan, Rapid Risk	plan having duly approved by Deputy –Director
	Assessment Report, Disaster Management	(Industrial Safety and Health), Government of Gujarat.
	Plan and safety guidelines shall be	• We are adhering to the recommendations montioned
	implemented.	We are adhering to the recommendations mentioned in Environmental Management Plan & Panid Pick
		in Environmental Management Plan & Rapid Risk
		Assessment Report. Moreover, we are also carrying out
		safety audit regularly and the report is submitted to
		various Government bodies.

		We have adopted Aditya Birla Sustainability Framework
		for Safety System in VFY, CSP & CPP as the part of which
		we have Implemented 14 safety standards to maintain
		and improve work place safety culture.
		Implemented Process Safety Management System to
		prevent process incidents and to prevent unexpected
		releases of toxic, reactive or flammable liquids and
		gases from processes of highly hazardous processes.
		• The Company is fully committed to the protection of
		the EHS as well as quality as it is evident from the
		adaption of Management Systems: ISO 14001:2015,
		ISO 9001:2015, ISO 45001:2018, SA 8000:2014, ISO/IEC
		27001 : 2013 & ISO 50001:2018 from reputed
		international agency TUV NORD .
xv)	Boiler ash should be stored separately as	The unit has installed Dry Fly ash collection facility in CPP.
	per CPCB guidelines so that it shall not	There are Four Silos with Bag Filter having total capacity of
	adversely affect the air quality, becoming	1200 MT is available for storage of dry fly ash. We will
	air borne by air or water regime during rainy	uphold the existing facility for proposed fly ash generation.
	season by flowing along with the storm	Appropriate PPE's are provided to the workers to avoid
	water. Direct exposure of workers to fly ash	direct exposure to fly ash and dust.
	& dust shall be avoided.	
xvi)	All the fly ash shall be utilized as per fly ash	Fly Ash generated from the CPP is 100 % Utilized in the
	Notification, 1999 subsequently amended	cement plants as per the Fly Ash notification. Also note
	in 2003 and 2008.	that, Annual Fly ash compliance along with the duly signed
		Standard Pro-forma provided by MoEF & CC, New Delhi as
		per Fly Ash Notification dated 14.09.1999, 27.08.2003,
		03.11.2009, 25.12.2016 & 31.12.2021 is submitted at your
		good office.
xvii)	The unit shall make the arrangement for	Recommendations of Fire study & Risk Assessment is being
	protection of possible fire hazards during	implemented to prevent fire hazards.
	manufacturing process in material	Routine Assessments are being done with implementation
	handling. Firefighting system shall be as per	of Preventive measures and recommendations of the study.
	norms.	
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xviii)	Occupational health surveillance Program	Fire safety measures is incorporated within factory premises. All the fire extinguishing media such as Water, dry chemicals, CO ₂ , etc. are kept in vital locations. We have full-fledged hydrant system which will suffice to take care of an emergency in the plant. Mock drills are being carried out to train the workman to deal with emergency situation.
	should be undertaken as regular exercise for all the employees. The first aid facility in the occupational health center should be strengthened and regular medical test records of each employee should be maintained separately.	 Occupational health surveillance Program are undertaken as regular exercise for all the employees, specifically for those engaged in handling hazardous substances. The first aid facilities in the occupational Health Centre are strengthened and the medical records of each employee have been maintained separately.
xix)	Dedicated parking facility or loading and unloading of material should be provided in the factory premises. Unit should develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.	At present, we have the adequate infrastructure for parking for vehicle engaged in loading and unloading of material. Further, we have a team of personnel, who take care the transporting system inside plant premises. Outward moving vehicles are instructed not to rush in public road and move in a queue in order to avoid congestion.

	As proposed, green belt over 33% of the	• We have developed 33.64 % of plant area viz. Rayon,
xx)	total project area should be developed	Power Plant and Caustic Soda Plant into Green belt with
	within plant premises with at least 10-	local species. There are 127210 nos. existing trees as on
	meter-wide green belt on all sides along the	31 st October 2023. Besides above 1.147-acre area is
	periphery of the project area, in downward	used/developed with lawn (Hariyali). Total 10.3 Km
	direction, and along road side etc. selection	length of hedges are planted and maintained.
	of plant species shall be as per the CPCB	Plant Area breakup:
	guidelines in consultation with the DFO.	Plant Boundary: 176.26 acre
		Green Belt Area: 59.31 acre (33.64% of total area)
		> Open Area: 50.66 acre
		Although we have already achieved the 33% of area
		covered under Green belt but still we are carrying out
		plantation during onset of monsoon every year. For the
		year 2023-24, we have planted 2021 nos. of sapling till 31 st
		October, 2023.
xxi)	All the commitments made to the public	All the comments raised during public hearing/ consultation
	during public hearing/Public consultation	was noted and detailed Action Plan and Budgetary
	meeting held on 4 th October, 2014 shall be	Allocation is earmarked to satisfactorily implement the
	satisfactorily implemented and a separate	same. The aforesaid report has been submitted to your
	budget for implementing the same shall be	good office.
	allocated and information submitted to the	
	ministry's Regional office at Bhopal.	
xxii)	The company shall submit within three	Complied.
	months their policy towards Corporate	The unit have the Corporate Environmental Policy featuring
	Environmental Responsibility which should	all the attributes delineated in the condition. Also we would
	inter-alia address (i) standard operating	like to mention that we are carrying out the Environmental
	process/procedure to being into focus any	Management in our unit in line with the formulated Policy.
	infringement/ deviation/ violation of	
	environmental or forest norms. Conditions,	
	(ii) Hierarchical system or Administrative	
	order of the company to deal with	
	environmental issues and ensuring	
	compliance to the environmental clearance	

	conditions and (iii) system of reporting of	
	non- compliance/ violation environmental	
	norms to the Board of Directors of the	
	company and/or stakeholders or	
	shareholders.	
xxiii)	At least 5% of the total cost of the project	Noted for Compliance.
	(i.e. Rs. 43 Crore) shall be earmarked	A separate budget has been earmarked for CSR/ESC
	towards the Enterprise Social Commitment	activities. CSR study report has already been submitted to
	(ESC) based on local needs and action plan	your good office. CSR/ESC activities is being carried out by
	with financial and physical break up /details	IR Jan Seva. CSR Report for the period April 2023 to
	shall be prepared and submitted to the	Separate 2023 is annexed hereto and marked as Annexure
	Ministry's Regional Office at Bhopal.	<u>– VI</u> .
	Implementation of such Programme should	
	be ensured accordingly in a time bound	
	manner.	
xxiv)	Provision shall be made for the housing for	Noted
	the construction Labour within the site with	We will provide the basic amenities to the construction
	all necessary infrastructure and facilities	workers within the site.
	such as fuel for cooking, mobile toilets,	
	mobile sewage treatment plant, safe	
	drinking water, medical health care, crèche	
	etc. the housing may be in the form of	
	temporary structure to be removed after	
	the completion of the project. All the	
	construction wastes shall be managed so	
	that there is no impact on the surrounding	
	environment.	
	General Condition	l
I)	The project authorities must strictly adhere	Presently, we are complying all the conditions given by
	to the stipulations made by the Gujarat	Gujarat State Pollution Control Board, State Government
	Pollution Control Board (GPCB), State	and other statutory authority.
	Government and any other statutory	
	authority.	

ii)	No further expansion or modifications in the	Noted
	plant shall be carried out without prior	The unit have received the Environmental Clearance for
	approval of the Ministry of Environment &	Expansion of Viscose Filament Yarn (1650 to 2400 MTPM),
	Forests. In case of deviations or alterations	Sodium Sulphate (Na $_2$ SO $_4$) Plant (2050 to 2350 MTPM),
	in the project proposal from those	Captive Power Plant (34.5 to 54.5 MW) along with
	submitted to this Ministry for clearance, a	Installation of Sodium Sulphite (Na2SO3) Plant (3000
	fresh reference should be made to the	MTPM) & Liquid Sulphur Dioxide (SO2) Plant (1500 MTPM)
	Ministry to assess the adequacy of	from Ministry of Environment, Forests & Climate Change,
	conditions imposed and to add additional	New Delhi vide letter no. J-11011/343/2013-IA II (I) dated
	environmental protection measures	22 nd June, 2015.
	required, if any.	We have been granted amendment in CTE/NOC from
		Gujarat Pollution Control Board for Expansion of
		production Capacity of Viscose Filament Yarn & other
		products as prescribed in Environmental Clearance of
		Expansion Project Vide Order No. GPCB/CCA/JNG-
		1(21)/ID17239/332587 dated 10.11.2015 and corrigendum
		in Amendment vide Order No. GPCB/CCA/JNG-
		1(23)/ID17239/342712 dated 25.01.2016. Further, we have
		been Granted CTE-Extension by GPCB, Gandhinagar vide
		CTE Order No. 118896 dated 23.05.2022 valid up to
		21.06.2025 .
		We have been granted Consolidated Consent and
		Authorization (CCA) from GPCB, Gandhinagar for enhancing
		VFY production from 1650 MTPM to 1950 MTPM vide letter
		no. GPCB/CCA/JNG-1(23)/ID17239/345269 dated
		12.02.2016.
		We have been granted a renewed CC&A No. GPCB/ID-
		17239/CCA/JNG-1 (27)/453902 dated: 03.05.2018.
		We have been granted with Consolidated Consent and
		Authorization (CCA) Amendment from GPCB, Gandhinagar
		for increasing Captive Power Plant capacity from 34.5 MW
		to 54.5 MW through vide letter no. GPCB/CCA/JNG-
		1(34)/ID-17239/682802 issued on 12.09.2022 and
		correction to Consolidated Consent and Authorization

		(CCA) from GPCB, Gandhinagar has been granted through vide letter no. GPCB/CCA/JNG-1(34)/ID-17239/753418 issued on 16.09.2023.
iii)	The National Ambient Air Quality Emission standards issued by the Ministry vide G.S.R. No 826 (E) dated 16 th September, 2009 shall be complied.	Noted
iv)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Four Nos. of AAQ stations are installed and ambient air quality is being measured for parameters such as PM ₁₀ , PM _{2.5} , SO _x , NO _x , CS ₂ , H ₂ S, HCl, and Cl ₂ . Location of AAQ Stations are finalized after consultation with GPCB officials. We have installed Three nos. of online Continuous Ambient Air Quality Monitoring System (CAAQMS) over Rooftop of our Rayon Administrative Building, over rooftop of Caustic Soda Administrative Building & Guest House Building.
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 EPA Rules, 1989 viz. 75 dB (A) (day time) and 70 dB (A) (night time).	Adequate measures are taken to provide earmuffs/earplugs for persons working in noisy areas. All the places where practicable silencers are provided to the equipment's like compressors, Blowers etc. We are regularly monitoring Noise Level at Ambient Air and also in Work Zone.
vi)	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same for the process activities of the project to conserve fresh water.	All efforts for rain water harvesting are being taken. Due to high water table in area further recharging is not possible. However, separate storm water drains are provided to prevent flooding by discharging into Devka River. In addition to this, we have also developed watershed development recharge pits in the several villages falling under 10 km of radius of Study area, resulting into rise in water level in nearby areas.

vii)	Training shall be imparted to all employees	We are regularly carrying out training to all employees on
	on safety and health aspects of chemicals	safety and health aspects on handling chemicals.
	handling. Pre-employment and routine	Pre-employment and routine periodical medical
	periodical medical examinations for all	examinations are also performed.
	employees shall be undertaken on regular	
	basis. Training to all employees on handling	
	of chemicals shall be imparted.	
viii)	Usage of personnel protective Equipment's	All employees/Workers are provided with Personnel
	(PPE's) by all employees/workers shall be	Protective Equipment's based on the work place hazards.
	ensured.	
ix)	The company shall also comply with all the	We adhere to the recommendations made in EIA/EMP
	environmental protection measures and	report covering all aspect in condition.
	safeguards proposed in the documents	
	submitted to the ministry. All the	
	recommendations made in the EIA/EMP in	
	respect of environmental management, risk	
	mitigation measures and public hearing	
	relating to the project shall be	
	implemented.	
x)	The company shall undertake all relevant	We actively participate in activities meant for improving
	measures for improving the socio-economic	Socio-economic conditions of surrounding.
	conditions of the surrounding areas. CSR	
	activities shall be undertaken by involving	
	local villages and administration.	
xi)	The company shall undertake eco-	Noted
	developmental measures including	
	community welfare measures in the project	
	area of the overall improvement of the	
	environment.	
xii)	A separate Environmental Management Cell	We have a Corporate Environment Management structure
	equipped with full-fledged laboratory	which reports to the Office of the Chairman. Director of our
	facilities shall be set up to carry out the	Business monitors the environment management system
	Environmental Management and	and at the Unit Level President & Vice President leads
	monitoring functions.	Environment Management system. Qualified & Competent

		Engineers to maintain the aspects and implement
		Environment Management System effectively and ensure its
		continuous improvement. A well-equipped laboratory &
		dedicated EMC are established in the factory to regularly
		analyze & monitor the highly fragile eco-system of the
		complex. We are also monitoring ambient air apart from
		four stations. All the results are within the GPCB Prescribed
		Norms. For the Environmental requirement, return on
		investment is not calculated and the budget is allocated as
		discretionary budget. There is no limitation from the side of
		Management for spending on regulatory/ Environmental
		protection requirements. The Environment Management
		Cell comprises of following persons and headed by:
		a) President & Unit Head
		b) FH – VFY
		d) FH – Caustic & Power Plant
		e) Department Head – Environment, Safety & Sustainability
		f) Department Head – Civil
		g) Manager – ETP
		h) Engineer/ Officer – Environment & Sustainability
		i) Environmental Analyst
		j) Department Head – Estate, Fire & Security
xiii)	The company shall earmark sufficient funds	The policy of the company is that for any Environmental
	towards capital cost and recurring cost per	incidents there are no budget restrictions. However, a
	annum to implement the conditions	minimum amount of Rs. 40 to 50 Lacs earmarked on annual
	stipulated by the Ministry of Environment &	basis for environmental activities. This is besides expansion
	Forests as well as the State Government	incurred for chemical consumption and strengthening of
	along with the implementation schedule for	existing pollution control and monitoring equipment.
	all the conditions stipulated herein. The	

	funds so provided should not be diverted for	
	any other purpose	
xiv)	A Copy of clearance letter shall be sent by	Complied
	Project Proponent to the concerned	We have Intimated to Local Administration (District
	panchayat/ Zila Parishad/ Municipal	Collector/ Add. District Collector) about accordance of
	Corporations, Urban local body and the	Environmental Clearance on 30.06.2015.
	local NGO if any, from who suggestions/	
	representations, if any, were received while	
	processing the proposal.	
xv)	The Project Proponent shall also submit six	We are submitting the six monthly compliance report of
	monthly reports on the status of compliance	stipulated EC conditions to your good office and GPCB in
	of the stipulated Environmental Clearance	hardcopy and we are also uploading it on our website.
	conditions including results of monitored	Henceforth, we will be regularly submitting the same in the
	data (both in hard copies as well as by e-	form of softcopy through Email. Kindly note that Aditya
	mail) to the respective Regional Office of	Birla Nuvo Limited have been amalgamated with Grasim
	MoEF, the respective Zonal Office of CPCB	Industries Limited w.e.f 1 st July 2017. Therefore, now, our
	and the Gujarat Pollution Control Board. A	unit is called Grasim Industries Limited, Unit – Indian Rayon.
	copy of Environmental Clearance and six	We have intimated about the amalgamation to Pollution
	monthly compliance status reports shall be	Control Authorities viz. The Director, IA Division (Industry -
	posted on the website of the company.	II), New Delhi, MoEF & CC, Western Regional Office, Bhopal,
		Zonal Officer, CPCB, Vadodara, GPCB, Gandhinagar, GPCB,
		Junagadh vide our Letter dated 22 nd June 2017, 3 rd July 2017
		and 15 th July 2017 respectively.
		Further, we have submitted notarized undertaking about
		change of company name only without increase in any
		production prospective to Unit Head – Junagadh, GPCB,
		Gandhinagar vide our Letter dated 9 th October 2017.
		We have incorporated a name change which has been
		included in our CC&A by GPCB [No: GPCB/ID -17239/ CCA -
		JNG -1(26)] and the same was informed to MoEF & CC
		through our letter dated 28.12.2017.
xvi)	The environmental statement for each	We are regularly submitting the Environmental Statement
	financial year ending 31 st March in Form-V	to GPCB and uploading the same on our website. The same
	as is mandated shall be submitted to	also sent to Regional Office, MoEF & CC. Henceforth, we will

	concerned State Pollution Control Board as	be regularly submitting the same in the form of softcopy
	prescribed under the EP Rules, 1986, as	through Email as well.
	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 Office of MoEF &	
	CC by e-mail.	
xvii)	The Project Proponent shall inform the	Complied
	public that the project has been accorded	We have already intimated about the advertisement of
	environmental clearance by the Ministry	accordance of Environmental Clearance with in stipulated
	and copies of the clearance letter are	time to your good office vide our letter no.
	available with the SPCB/ Committee and	ABNL/ENV/C3262/2015 dated June 27 th 2015 i.e. within 7
	may also be seen at Website of the Ministry	days' period.
	at http:/www.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 should be	
	forwarded to the Regional office.	
xviii)	The Project Authorities shall inform the	Noted for compliance. Moreover, we have been granted
	Regional Office as well as the Ministry, the	Provisional NOC/CTE dated 15 th September 2015 for
	date of financial closure and final approval	aforesaid project.
	of the project by the concerned authorities	Further, we have been Granted CTE-Extension by GPCB,
	and the date of start of the project.	Gandhinagar vide CTE Order No. 118896 dated 23.05.2022
		valid up to 21.06.2025 .
		We have been granted with Consolidated Consent and
		Authorization (CCA) Amendment from GPCB, Gandhinagar
		for increasing Captive Power Plant capacity from 34.5 MW
		to 54.5 MW through vide letter no. GPCB/CCA/JNG-
		1(34)/ID-17239/682802 issued on 12.09.2022 and
		correction to Consolidated Consent and Authorization

		(CCA) from GPCB, Gandhinagar has been granted through
		vide letter no. GPCB/CCA/JNG-1(34)/ID-17239/753418
		issued on 16.09.2023.
0)		
8)	The ministry may revoke or suspend the	We will implement all the conditions.
	clearance, if implementation of any of the	
	above conditions is not satisfactory.	
9)	The Ministry reserves the right to stipulate	We will comply any additional conditions may be imposed
	additional conditions, if found necessary.	by your esteemed department from time to time.
	The company in a time bound manner shall	
	implement these conditions.	
10)	The above conditions will be enforced, inter-	We are complying all the provisions under Water
	alia under the provisions of the Water	(Prevention & Control of Pollution) Act, 1974, Air
	(Prevention & Control of Pollution) Act,	(Prevention & Control of Pollution) Act, 1981, the
	1974, Air (Prevention & Control of Pollution)	Environment (Protection) Act, 1986, Hazardous and Other
	Act, 1981, the Environment (Protection) Act,	Waste (Management and Transboundary Rules, 2016 and
	1986, Hazardous Wastes (Management and	the Public Liability Insurance Act, 1991 along with their
	Handling) Rules, 2008 and the Public	amendments and rules.
	Liability Insurance Act, 1991 along with their	We are operating our Plant under statutory Consents &
	amendments and rules.	Clearances accorded from Gujarat Pollution Control Board,
		Gandhinagar and Ministry of Environment, Forests &
		Climate Change, New Delhi respectively.

В.		IA.II (I), Dated: 18.07.2008 by MoEF & CC for Expansion nt Yarn from 1300 MTPM to 1650 MTPM & Caustic Soda
S. No.	Conditions	Reply to Stipulated Conditions
A. Spec	cific Conditions	
i.	The effluent generation shall not exceed	Being Complied
	8540 m ³ /d. The effluent from the caustic	
	soda plant and viscose filament rayon plant	
	shall be treated in the company's own	

shall be treated in the company's own
Common Effluent Treatment Plant and the
treated effluent after conforming to the
industry specific discharge standards shall
be sent to sea creek. The domestic effluent

	aboll be dispessed of through continutable	
	shall be disposed of through septic tank	
	soak pit	
ii.	Process emissions from the caustic soda	Complied
	plant shall be scrubbed with alkali scrubber	
	with efficiency of 95% at each stage. Bubble	
	cap tray followed by packed bed scrubber	
	with water as scrubber media shall be	
	installed to control HCI emissions. Stack of	
	adequate height for caustic soda plant and	
	HCI synthesis unit shall be provided for	
	dispersion of emission	
	•	
iii.	The vent gases from Sodium hypochlorite	Complied
	plant and HCI acid plant shall be controlled	
	at source by effective absorption system.	
	Waste Chlorine gas shall be used in	
	preparation of HCI. Bubble cap tray followed	
	by packed bed scrubber with DM water shall	
	be provided to scrub HCI gas mist and	
	vapor. The vent gases shall be discharged	
	from the stacks of adequate height for	
	effective dispersion. On line chlorine	
	monitors with DCS within Caustic Soda	
	plant to monitor chlorine gas and on line	
	hydrogen monitors with DCS shall be	
	installed	
iv.	Particulate emissions from the captive	Complied
10.	power plant and coal fired boiler shall be	Complica
	controlled by electrostatic precipitator and	
	bag filters and emissions shall be dispersed	
	through stack of adequate height.	
	Particulate emissions shall conform to the	
	prescribed standards. For dispersion of	
	emissions from the DG set, stack height as	
	per CPCB standards shall be provided.	
	Emissions from the DG Sets shall conform	

	to the standards prescribed by the CPCB.	
	The DG sets will be provided with the	
	acoustic enclosures to mitigate the noise.	
٧.	Dykes of adequate height shall be	Complied
	provided around the HCI acid tanks to	
	collect the acid within the dyke walls in the	
	event of catastrophic failure of the tank	
vi.	The gaseous emissions from the carbon di	Complied
	sulphide plant in the form of CS_2 and H_2S	
	shall be recovered by condensers and H_2S	
	shall be scrubbed with caustic soda and 2-	
	stage absorption system to recover sodium	
	sulphide.	
vii.	The adequate measures shall be taken	Complied
	to prevent the fire hazards and accidental	
	release of Cl _{2.}	
viii.	The project authorities shall comply with the	Complied.
	recommendations made in the EIA/EMP	
	report.	
ix.	Green belt shall be developed in 12 ha of	Complied
	plant area to mitigate the effects of fugitive	
	emissions all around the plant. The	
	development of green belt shall be as per	
	the Central Pollution Control Board	
	guidelines.	
Х.	Rainwater harvesting measures shall be	Complied
	undertaken to recharge the ground water.	
B. Gen	eral Conditions	
i.	The project authorities shall strictly adhere	Complied
	to the stipulations made by the Gujarat	
	State Pollution Control Board (GPCB)	
ii.	No further expansion or modifications in the	Complied
	plant shall be carried out without prior	
	approval of the Ministry of Environment &	
	Forests. In case of deviations or alterations	
	in the project proposal from those submitted	
	to this Ministry for clearance, a fresh	
	reference should be made to the Ministry to	
	assess the adequacy of conditions imposed	

	and to add additional environmental	
	protection measures required, if any.	
		O complia d
iii.	The project authorities shall strictly comply	Complied
	with the rules and regulations under	We are renewing the approvals periodically.
	Manufacture, Storage and Import of	
	Hazardous Chemicals Rules, 1989 as	
	amended in October, 1994 and January,	
	2000. Prior approvals from Chief	
	Inspectorate of Factories, Chief Controller of	
	Explosives, Fire Safety Inspectorate etc.	
	must be obtained.	
iv.	The project authorities shall strictly comply	Complied
	with the rules and regulations with regard to	
	handling and disposal of hazardous wastes	
	in accordance with the Hazardous Wastes	
	(Management and Handling) Rules, 2003.	
	Authorization from the State Pollution	
	Control Board must be obtained for	
	collections/ treatment/ storage/ disposal of	
	hazardous wastes.	
V.	The overall noise levels in and around the	Being Complied
	plant area shall be kept well within the	
	standards (85 dB (A)) 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 EPA Rules, 1989 viz. 75 dB (A) (day	
	time) and 70 dB (A) (night time).	
vi.	Occupational health surveillance	Being Complied
	programme shall be undertaken as regular	
	exercise for all the employees, specifically	
	for those engaged in handling hazardous	
	substances. The first aid facilities in the	
	occupational health center should be	
	strengthened and the medical records of	
	each employee should be maintained	
	separately	
vii.	The project proponent shall also comply with	Complied
	all the environmental protection measures	
1		

	and safeguards recommended in the EIA	
	and Risk analysis. Report. The Company	
	must also undertake social welfare/	
	community development measures in the	
	surrounding villages, such as health care,	
	education and drinking water supply	
	facilities	
viii.	A separate Environmental Management Cell	Complied
	equipped with full-fledged laboratory	
	facilities shall be set up to carry out the	
	Environmental Management and monitoring	
	functions.	
ix.	The project authorities shall provide	Complied
	adequate funds both recurring and non-	
	recurring to implement the conditions	
	stipulated by the Ministry of Environment &	
	Forests as well as the State Government	
	along with the implementation schedule for	
	all the conditions stipulated herein. The	
	funds so provided should not be diverted for	
	any other purpose.	
Х.		Complied
Х.	any other purpose.	Complied
X.	any other purpose. The implementation of the project vis-à-vis	Complied
X.	any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored	Complied
X.	any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/	Complied
X.	any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central	Complied
X.	any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly	Complied
x. xi.	any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be	Complied
	any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies.	
	 any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies. The Project Proponent shall inform the 	
	any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies. The Project Proponent shall inform the public that the project has been accorded	
	 any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and 	
	any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies. 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	
	 any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies. 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 State Pollution Control Board/ 	
	 any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies. 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 State Pollution Control Board/ Committee and may also be seen at 	
	any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies. 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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and	
	 any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies. 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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in. This should be 	
	 any other purpose. The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal/ State Pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report should be submitted to monitoring agencies. 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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http:/envfor.nic.in. This should be advertised within seven days from the date 	

	vernacular language of the locality	
	concerned and a copy of the same should	
	be forwarded to the Regional office.	
xii.	The Project Authorities shall inform the	Complied
	Regional Office as well as the Ministry, the	This project was applied to enhance the production capacity
	date of financial closure and final approval of	of Viscose Filament Yarn through modification in machinery
	the project by the concerned authorities and	and in Caustic Soda Plant by installation of three
	the date of commencing the land	electrolyzers in the cell house. For the aforesaid project we
	development work, if any.	have been granted NOC/CTE on 30.06.2009 and
		subsequently, we obtained Consolidated Consent
		Authorization (CCA) on 26.11.2010 and amendment in CCA
		on 18.11.2011. We have received the Amendment from
		GPCB/CCA-JNG-1 (16) ID – 17239/96938 dated 18th November 2011 for commissioning of New Superior Spool
		Technology for Manufacturing of Viscose Filament Yarn
0	The Ministry may revolve on evenend the	within the existing production capacity of 1650 MTPM.
8.	The Ministry may revoke or suspend the	Noted
	clearance, if implementation of any of the	
	above conditions is not satisfactory.	
9.	The Ministry reserves the right to stipulate	Noted.
	additional conditions, if found necessary.	
	The company in a time bound manner shall	
10	implement these conditions.	
10.	Any appeal against this environmental	Complied
	clearance shall lie with the National	
	Environment Appellate Authority, if	
	preferred within a period of 30 days as	
	prescribed under Section 11 of the National	
	Environment Appellate Authority Act, 1997	
11.	The above conditions will be enforced, inter-	Noted.
	alia under the provisions of the Water	We are operating our plant under statutory consents &
	(Prevention & Control of Pollution) Act,	clearances from Gujarat Pollution Control Board (GPCB),
	1974, Air (Prevention & Control of Pollution)	Gandhinagar and Ministry of Environment & Forests (MoEF),
	Act, 1981, the Environment (Protection) Act,	New Delhi respectively.
	1986, Hazardous Wastes (Management and	
	Handling) Rules, 2003 and the Public	
	Liability Insurance Act, 1991 along with their	
	amendments and rules.	

C.	As per Amendment in EC vide Letter No. J-11011/382/2008-IA.II (I) dated 02.08.2011 by MoEF & CC for Expansion project for enhancing production capacity of Viscose Filament Yarn from 1300 MTPM to 1650 MTPM and Caustic Soda plant of 200 TPD	
Sr.	Conditions	Reply to Stipulated Conditions
No.		
i.	Plant capacity shall not increase beyond 1650 MTPM as mentioned in the Ministry's letter no. J-11011/445/2008-IA.II (I) dated 18.07.2008 No further expansion/ modification shall be carried out without prior approval from the MoEF.	Complied
ii. iii.	All the conditions mentioned in the letter no. J- 11011/445/2008-IA.II (I) dated 18.07.2008 shall be satisfactory complied. Permission from the State Government shall be obtained for the change in technology.	Complied

D. As per EC no. J -11012/25/95-IA.II (I) dated 19.06.1995 & amendment dated 31.0 CC (Expansion Project)		19.06.1995 & amendment dated 31.08.1998 by MoEF 8
Sr. No.	Conditions	Reply to Stipulated Conditions
1	The PA must strictly adhere to the stipulations	Complied
	made by the SPCB and the State Government.	
2	The PA must take effective steps to limit the	Being Complied
	emissions of CS $_2$ & H $_2S$ and in no case, it	
	should exceed the limits prescribed by GPCB-	
	amended condition.	
3	Gaseous and particulate emissions from the	Being Complied
	various process vents and storage tanks	
	should conform to the standards prescribed by	
	the competent authorities from time to time. At	
	no time will the emission levels be allowed to	
	go beyond the prescribed standards. In the	
	event of failure of the any respective unit	
	should be put out of the operation immediately	
	and should not be restarted to achieve the	
	desired efficiency. An interlocking system	
	should be incorporated & its effectiveness	
	checked and approved by the SPCB.	

4	At least four AAQ monitoring stations should	Being Complied
	be established in the down wind direction as	
	well as where maximum ground level	
	concentrations of SPM, SO ₂ , NO _x , CS ₂ , H ₂ S	
	and Cl_2 are anticipated. The selection of the	
	AAQ monitoring stations should be based on	
	modeling exercise to represent short term	
	ground level concentrations, sensitive targets	
	etc. in consultation with the SPCB. Stack	
	emissions should also be regularly monitored	
	by installing stack monitoring devices in	
	consultation with the SPCB. Data on AAQ and	
	stack emissions should be submitted regularly	
	to this Ministry once in six months and the	
	SPCB once in three months along with the	
	statistical analysis and interpretation.	
5	Fugitive emissions should be controlled,	Being Complied
	regularly monitored and data recorded.	
6	Liquid effluents coming out of the existing plant	Being Complied
	should conform to the standards as prescribed	
	by the SPCB/ stipulated under the EP Act,	
	1986 and the treated effluents should be	
	recycled/ reused to the maximum extent	
	possible. There should not any effluent	
	discharge from proposed caustic soda plant.	
7	The hazardous wastes should be handled as	Being Complied
	per the HWMH Rules, 1989 of the EP Act,	
	1986. A plan for handling, treatment and	
	disposal of hazardous wastes should be	
	prepared and submitted for approval within six	
	months.	
8	Adequate measures for control of noise should	Being Complied
	be taken so as to keep noise levels below	
	85dB in the working environment. Persons	
	working near the noisy machines in the	
	different units, blowers, compressors etc.	
	should be provided with well-designed ear	
	muffs/ plugs. Besides, measures should be	
	taken to reduce the noise at the source itself	
	my employing engineering methods.	
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9	Adequate number of chlorine sensors coupled	Complied
	with alarm system should be installed at	Complete
	vulnerable locations to detect chlorine leak(s)	
	for timely action. An early warning system	
	should develop to alert the nearby	
	communities during emergency situations. A	
	wind sock should be provided at appropriate	
	place within the plant in consultation with the	
	SPCB.	
10	Necessary approval should also be taken from	Complied
	the Explosive Department and the Chief	We are renewing the approvals periodically.
	Inspector of Factories, Gujarat regarding the	
	design and safety of the pressure vessels,	
	storage tanks etc.	
11	Work place air quality should be monitored	Being Complied
	regularly for acid mist, CS_2 , H_2S and CI_2 so as	
	to ensure that it meets the standards	
	prescribed by the competent authorities/	
	OSHA/ NIOSH/ ACGIH in the form of time	
	weighted averages.	
12	Brine sludge collection area should always be	Being Complied
	kept clean. Area should be made impervious	
	to avoid contamination of ground water due to	
	spillage. The method should be approved by	
	the SPCB.	
13	Workers before entering the bring sludge area	Being Complied
	and undertaking any work must wear adequate	
	PPE such as safety goggles, aprons, gloves	
	etc. This may be achieved by proper training	
	and strict enforcement of safety regulation.	
14	Showers (de-contamination booths) and eyes	Being Complied
	baths should be installed and properly	
	maintained and the safety programme should	
	also include periodic checking and	
	maintenance of these systems as per the	
	requirement of the Safety Directorate.	
15	Occupational health surveillance programme	Being Complied
	should be undertaken as a regular exercise	
	especially with respect to exposure to CS ₂ ,	
	H_2S , chlorine, thermal stresses and noise	
L		

	pollution. Maintenance of individual medical	
	records along with base-line data is required.	
10		O amplia d
16	A green belt of adequate width and density	Complied
	using local plant species should be developed	
	all around the plant including sludge dumping	
	site in consultation with the local DFO. There	
	should be an average of 1500 trees/ha in the	
	green belt and an overall average of 300/ha for	
	the plant.	
17	Risk assessment report should be revised and	Complied
	submitted for approval by this Ministry	
	incorporating worst scenario and risk contours	
	for hazardous toxic chemicals and gases.	
	Hazard distance should not cross the battery	
	limits of the factory under any circumstances.	
18	The PA should revise the DMP incorporating	Complied
	graphs/ nomograms indicating special	
	distribution of concentrations of pollutants	
	during day and night under different stability	
	classes wind conditions so that in case of	
	accidental release of toxic gases the area	
	likely to be affected could be known and	
	rescue operations may be organized	
	accordingly. Handling, manufacture, storage	
	and transport of hazardous chemicals should	
	be as per the details/provisions in the MSIHC	
	Rules, 1989	
19	Approval from the State Govt. / SPCB should	Complied
-	be obtained for the proposed landfill site.	
20	All the requirements of the CRZ notification	Complied
	must be complied with.	
21	The PA should set up laboratory facilities for	Complied
	collection and analysis of samples under the	
	supervision of competent technical personnel,	
	who will directly report to the Chief Executive.	
22	A separate EMC with suitably qualified people	Complied
	to carry out various functions should be set up	Compiled
	under the control of Senior Executive, who will	
	directly report to the Heat of the organization.	

23	The ministry may revoke or suspend the	Noted
	clearance, is implementation of any of the	
	above conditions is not satisfactory.	

	Project	
Sr.	Conditions	Reply to Stipulated Conditions
No.		
1.	The proponent shall upload the status of	Being complied
	compliance of the stipulated EC conditions,	
	including results of monitored data on their	
	website and shall update the same periodically.	
	It shall simultaneously be sent to the RO of	
	MoEF, the respective Zonal Office of CPCB and	
	the SPCB. The criteria pollutant levels namely;	
	SPM, RSPM, SO ₂ , NOx (ambient level as well as	
	stack emissions) or critical sectorial parameters,	
	indicated for the project shall be monitored &	
	displayed at a convenient location near the main	
	gate of the company in the public domain.	
2.	The PP shall also submit six monthly reports on	Complied
	the status of compliance of the stipulated EC	
	conditions including results of monitored data	
	(both in hard copies as well as by e-mail) to the	
	respective RO of MoEF, the respective Zonal	
	Office of CPCB and the SPCB.	
3.	The environmental statement for reach financial	Being complied
	year ending 31 st March in Form-V as is	
	mandated to be submitted by the PP to	
	concerned SPCB as prescribed under the EP	
	Rules, 1986, as amended subsequently, shall	
	also be put on the website of the company along	
	with the status of compliance of EC conditions	
	and shall also be sent to the respective RO of	
	MoEF by e-mail.	

F.	As per Letter No. ENV-10-2008-1177-E dated 12.02.2009 by GCZMA for Marine Pipeline Project	
Sr.	Conditions	Reply to Stipulated Conditions
No.		
1	The Provisions of the CRZ notification of 1991	We will comply with all the provisions of the CRZ
	and subsequent amendments issued from time	Notification of 1991 and subsequent amendments
	to time shall be strictly adhered to by M/s Indian	issued from time to time.
	Rayon.	
2	The treated effluent, to the tune of 15000	Being complied
	m ³ /day (max) meeting with the Gujarat Pollution	
	Control Board (GPCB) Norms at the point	
	recommended by CSMCRI, Bhavnagar, shall	
	only be discharged through the said pipeline	
	after obtaining necessary Consent of the GPCB	
	under the Water Act, 1974. At present, the	
	company has disposed of 8450 m ³ / day of	
	treated effluent and shall increase the quantity	
	of the same after obtaining the necessary CCA/	
	Consent under the water Act 1974, from the	
	GPCB.	
3	All the recommendations and suggestion given	Complied
	by the CSMCRI in its effluent disposal point	
	selection report/ Environment Impact	
	Assessment Report shall be implemented	
	strictly by M/s Indian Rayon.	
4	The effluent not meeting with the GPCB Norms	Complied
	shall not be discharged and shall be stored in	
	the Guard ponds and recycled back in to the	
	effluent Treatment Plant for further treatment to	
	achieve the GPCB Norms. M/s Indian Rayon	
	shall install necessary facilities for this purpose	
	shall strictly ensure the compliance with the	
	GPCB Norms, round the Clock	
5	Comprehensive Environment Impact	Complied
	Assessment report shall be submitted to this	
	department and the recommendations/	
	suggestions given in it shall be implemented.	
6	The construction debris and sewage generated	Complied
	during the construction phase shall not be	
	discharged in to sea creek, sea, estuary or in to	
	the CRZ Area. The debris shall be removed	
I		1

	from the construction site immediately after the	[
	construction is over and shall be disposed of as	
	per the guidelines of the GPCB.	Complied
7	The land ward portion of the pipeline shall be	Complied
	buried at least 1m below the ground and the	
	offshore portion shall be protected appropriately	
	from the erosion.	
8	The construction camps shall be located	Complied
	outside the CRZ area and the construction	
	labors shall be provided with necessary	
	amenities including sanitations, water supply	
	and fuel and it shall be ensured that the	
	environmental conditions are not deteriorated	
	by the construction labors.	
9	The ground water shall not be tapped to meet	Complied
	with water requirements during construction or	
	operation phase in any case.	
10	A Disaster Management plan to meet any	Complied
	eventualities that may arise during	
	constructions and/ or operations phase shall be	
	prepared implemented.	
11	The Pipeline Shall be monitored regularly by the	Complied
	company and it shall be ensured that there is no	
	leak from the pipe line. In case of any such	
	eventualities, the company shall immediately	
	stop disposal through the said pipeline and take	
	corrective measures in the connection in	
	consultation with GPCB and the District	
	Collector.	
12	Necessary permissions from different	Complied
	departments/ agencies under different laws/	Compiled
	acts shall be obtained before commencing the	
	constructions/ pipeline laying activities.	
10		Complied
13	The company shall take up the mangrove	Complied
	plantation in 50 ha of area on Gujarat coastal	
	line in phased manners in five years.	
14	A separate Environmental Management Cell	Complied
	with qualified personnel shall be created to	
	implement Environmental Management Plan	

	and a separate budget shall be provided for this	
	purpose.	
15	The cost of external agency that may be	We will bear cost of external agency appointed by DoEF,
	appointed by this department for supervision/	Gandhinagar for supervision/ monitoring of the project
	monitoring of the project activities during	activities during constructions operational phases.
	constructions operational phases shall be borne	
	by the M/s Indian Rayon.	
16	Massive Green belt development program shall	Complied
	be carried out in consultations with the forest	
	department by M/s Indian Rayon.	
17	A large Scale Socio-economic upliftment	Complied
	program in consultation with the District	
	Collector/ DDO shall be carried out. A Separate	
	budget shall be provided for this purpose and	
	details be finished to this department from time	
	to time.	
18	Environment Audit Report shall be submitted	Complied
	every year. The report shall also cover the	Marine monitoring is regularly carrying out through M/s.
	change in the costal and marine environment	National Institute of Oceanography, Mumbai and report
	enroute the proposed pipeline and around	is being submitted to all the Regulatory Authorities on
	disposal point due to commissioning of the	regular basis. Monitoring Report for samples collected
	proposed pipe line	during the period 24.03.2023 to 31.03.2023 is awaited.
19	A Six Monthly Progress reports regarding the	We will comply.
	compliance of the conditions shall be submitted	
	to this department.	
20	Any additional conditions that may be imposed	We will comply any additional conditions may be
	by the DOEF Department time to time shall	imposed by the your department time to time
	have to be complied By M/s Indian Rayon.	

G.	As per EC Letter No. 11-80/2008-IA.III dated 20.10.2008 by MoEF & CC for Marine Pipeline Project		
Sr.No.	Conditions	Reply to Stipulated Conditions	
A. Specific Conditions			
(i)	The Zinc Concentration in the effluents at the	Complied	
	discharge point shall be monitored and the report	Marine monitoring is regularly carrying out through	
	submitted to the Regional Office, Bhopal at every	M/s. National Institute of Oceanography, Mumbai and	
	three months.	report is being submitted to all the Regulatory	
		Authorities on regular basis. Monitoring Report for	
		samples collected during the period 24.03.2023 to	
(::)		31.03.2023 is awaited.	
(ii)	All the conditions stipulated by Forests and	Complied	
	Environment Department Government of Gujarat vide their letter No. ENV-10-2008-1177E dated		
(iii)	06.10.2008 shall be strictly implemented. The Pipe line shall not be disturbed the	Complied	
(111)	movement of fishing vessels or fishermen.	Complied	
(iv)	It shall be ensured that there is no displacement	Complied	
(11)	of people, houses or fishing activities as result of		
	the project.		
(v)	It shall be ensured due to the project that there is	Complied	
	no adverse impact on the drainage of the area		
	and recharge of Ground water. No ground water		
	shall be tapped in the project area falling in		
	Coastal Regulation Zone.		
(vi)	The Project Proponent must ensure that the	Complied	
	effluents/ liquid wastes discharged are the		
	standards laid down by the Gujarat Pollution		
	Control Board.		
(vii)	The camps of Labour shall be kept outside the	Complied	
	Coastal Regulation Zone area. Proper		
	arrangement for cooking fuel shall be made for		
	the Labour during construction phase so as to		
	ensure that mangroves are not cut /destroyed for		
()	this purpose.	Compliad	
(viii)	The entire stretch of the pipe lines Shall be buried	Complied	
	underground except at the booster pumping		
	station which will be fenced and station would be manned round the clock. The buried lines will be		
	protected with anticorrosive Coal tar based		
	protected with anticonosive Coal tal Dased		

	Coating. The Coating will be tested in	
	accordance with prescribed Standard.	
(ix)	Markers shall be installed at every 30 M to	Complied
	indicate the position of the line. Regular patrolling	
	of the pipe line needs to be done. This will help	
	in identifying any activities that have the potential	
	to cause the pipe line damage or to identify small	
	leaks whose effect are too small to be detected	
	by Instrument.	
(x)	Their Shall be display board at critical location	Complied
	along the pipe line viz. road/ rail/ river crossings	
	giving emergency instructions as well as contact	
	details of M/s Indian Rayon. This will ensure	
	prompt information regarding location of the	
	accident during any emergency. Emergency	
	information board shall contain emergency	
	instructions .Any additions to contact details.	
(xi)	All necessary clearance from concerned	Complied
	agencies shall be obtained before initiating the	
	project.	
(xii)	The Project shall be implemented in such a	Complied
	manner that there is no damage whatsoever for	
	the mangroves/ other sensitive coastal	
	ecosystems. If any damage in mangroves is	
	anticipated as a result of project activities then	
	the clearance now been accorded shall stand	
	cancelled and proponents may seek fresh	
	approval from Ministry.	
(xiii)	A Continuous and comprehensive post project	Complied
	Marine Monitoring quality programme shall be	Marine monitoring is regularly carrying out through
	taken up. This shall include monitoring of water	M/s. National Institute of Oceanography, Mumbai and
	quality, sediment quality and biological	report is being submitted to all the Regulatory
	characteristics covered in the EIA Studies.	Authorities on regular basis. Monitoring Report for
		samples collected during the period 24.03.2023 to
		31.03.2023 is awaited.
B. Ger	neral Conditions	1
(i)	Construction of the proposed structure shall be	Complied
	under taken miraculously conforming to the	
	existing center/ local rules and regulation. All the	
	construction/ drawing related to the proposed	
	J	4

	construction	activity must have approv	val of the			
	concerned	state government de	partment/			
	agencies.					
(ii)	The project	t authorities shall take ap	opropriate	Complied		
	community	development and welfare r	measures			
	for the village	gers in the vicinity of the pro	oject site,			
		rinking water facilities. A	-			
	-	e allocated for this purpose	-			
(111)				Complied		
(iii)		ny emergency situation ap		Complied		
		system shall be installed. Ap				
	arrangemer	t uninterrupted power supp	ply to the			
	environmen	t protection equipment	nt and			
	continuous	water supply for the fi	irefighting			
	system to b	e made.				
(iv)	A separate	Environment Management	Cell with	Complied		
	suitably qu	alified staff to carry out	t various			
		t related function shall be				
		charge of senior executive				
		•				
	-	e chief executive of the con		• • • •		
(v)		armarked for environment p		Complied		
	measures s	shall be maintained as a	separate			
	account and shall be no diversion of these funds		ese funds			
	for any othe	er purpose. A year-wise ex	penditure			
	on environm	nental safe guard shall be re	eported to			
	this ministry	's regional office at Bhopal				
		Proposed Environmenta	al Expendi	ture in Financial	Year 2023-24	
	Sr. No.	Environmental Managemer	nt Plan		Budget Rs. Lacs	
	1	Pipe line Maintenance includ		System	50	
	2	Water Environment including		mance	100	
	3	Post Marine Environment Mo Green Belt Development	onitoring		40 50	
	5	Revamping of Effluent treatm	nent plant		950	
		Total	•		1190	
(vi)	Full support	t shall be extended to the o	officers of	Complied		
	the ministry	regional office at, a fresh	reference			
	shall be made to this ministry for modification in					
	the clearance Bhopal and the officers of the Central and State Pollution Control Board by the					
	project proponent during their inspection for					
	monitoring a					
	morntoning a	agonoy.				

(vii)	In case deviation or alteration in the project	Noted and Complied
	including the implementing agency, a fresh	Noted and Complied
	reference shall be made to this Ministry for modification in the clearance conditions or	
	imposition of new one for ensuring environmental	
	protection. The project proponents shall be	
	responsible for implementing the suggested	
	safeguard measures.	
(viii)	The Ministry deserves right to revoke this	Noted
	clearance, if any conditions stipulated are not	
	compiled with to the satisfaction of this Ministry.	
(ix)	This Ministry are any competent Authority may	Noted
	stipulate any other additional conations	
	subsequently; any if deemed necessary, for	
	Environmental protection, shall be compiled with.	
(x)	A Copy of clearance letter shall be marked to the	Complied
	concerned agency panchayat/ local/ NGO if any,	
	from whom any suggestions/ representations	
	has been received while processing the	
	proposal.	
(xi)	State Pollution Control Board/ Committee shall	Not pertains to the Project
	display a copy of the clearance letter at District	
	Industry Center, Collector's Office/ Tehsildar's	
	office for thirty days.	
(xii)	The Project Proponent Shall advertises at least	Complied
	in two local new papers widely circulated in the	
	region around the project, one of which shall be	
	in the vernacular language of the locality	
	concerned informing that project has been	
	accorded Environment Clearance and copies of	
	Environment Clearance letters are available with	
	Gujarat State Pollution Control Board and may	
	also be seen at website of the Ministry of	
	Environment and Forests at http:///	
	www.envfor.nic.in.	
(xiii)	The Project Proponents shall inform to Regional	Complied
	office, Bhopal as well as Ministry, the date of	Complied
	financial closure and final approval of the project	
	by the concerned authorities and the date of start	
	of work.	

(xiv)	The Project Proponent will obtain the Forest	Complied
	Clearance for the land passing through the	
	Reserved Forest Area before commencement of	
	the Project activities in Forest Area.	
(xv)	So as to maintain ecological features and avoid	Complied
	damage to the eco system, movement of	
	Vehicles in the Intertidal zone Shall be restricted	
	to the minimum.	
(xvi)	Budgetary break up for the Environmental	Same as mentioned in Point No. 5
	Management Plan for the Project to be	
	mentioned.	
(xvii)	Any appeal against this Environmental	Not Applicable
	Clearance shall lie with the National Environment	
	Appellate Authority, if preferred, with in a period	
	of thirty days as prescribed under Section 11 of	
	the National Environment Appellate Act, 1997.	
4.	The above mentioned stipulations will be	Being Complied
	enforced among others under the Water	
	(Prevention and Control of Pollution) Act, 1974,	
	the Air (Prevention and Control of Pollution) Act,	
	1981, the Environment (Protection) Act, 1986,	
	the Hazardous Chemicals (Manufacturing,	
	Storage and Import) Rules, 1989, the Costal	
	Regulation Zone Notification, 1991 and its	
	subsequent amendments and the Public Liability	
	Insurance Act, 1991 and the Rules made	
	thereunder from time to time. The project	
	proponents shall also ensure that the proposal	
	complies with the provisions of the approved	
	Coastal Zone Management Plan of Gujarat and	
	the Supreme Court's order dated 18th April, 1996	
	in the Writ Petition No. 1993 to the extent the	
	same are applicable to this proposal.	