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GRASIM/ENV/ /2021 May 25, 2021

To Ministry of Environment, Forests & Climate Change Western Region Office (Western Zone), Kendriya Paryavaran Bhawan, Link Road No. 3, E-5, Ravi Shankar Nagar, **Bhopal – 462016** 

ate Change To 1 d No. 3, 2016

## Kind Attention: Dr. M. Ramesh

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 18.07.2008
- 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 1<sup>st</sup> November 2020 to 30<sup>th</sup> April 2021 as Annexure - A.

We hope you will find the above in order.

Yours Faithfully,

For Grasim Industries Limited; Unit - Indian Rayon

Shashank Pareek Unit Head

CC

The Regional Officer Gujarat Pollution Control Board Pankaj Vikas Bunglow Opposite Saint Annes Church

Station Road

Junagadh - 362001

Central Pollution Control Board Zonal Office (West Parivesh Bhawan, Atmajyoti Ashram Rd, Opp. V Ward Office No. 10, Subhanpura,

Vadodara - 390023

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The Director
Forest and Environment Department
Block No. 14, 8<sup>th</sup> floor Sachivalaya

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Grasim Industi Unit – Indiai

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

As per Letter No. J-11011/343/2013-IA II (I) dated 22<sup>nd</sup> June, 2015 by MoEF & CC for Expansion A. Project for production of Viscose Filament Yarn (1650 to 2400 MTPM), Sodium Sulphate (Na<sub>2</sub>SO<sub>4</sub>) Plant (2050 to 2350 MTPM), Captive Power Plant (34.5 to 54.5 MW) along with Installation of Sodium Sulphite (Na<sub>2</sub>SO<sub>3</sub>) Plant (3000 MTPM) & Liquid Sulphur Dioxide (SO<sub>2</sub>) Plant (1500 MTPM). i. ESP and adequate stack height shall be Our existing Captive Power Plant is operating with CFBC provided to coal fired boiler to control air technology having capacity of 34.5 MW, for which we have emissions within the limit stipulated by installed three nos. of Electrostatic Precipitator to control CPCB and GPCB. Low NO<sub>X</sub> burner shall be particulate emission. Opacity meter has been installed for provided in captive Co-generation power Continuous PM Emission Monitoring. The height of plant to reduce the NOx emissions. chimney of both Old & New Power plant Stacks is of 122 m as per the CPCB standards. Compliance of Condition is noted and planned accordingly. Moreover, It is expected that 20 MW Captive power Plant with CFBC technology will be commissioned by Dec'2021 as the order for the boiler has been placed in May'2019. Flue gas of proposed Captive Power Plant shall be exhausted through the existing chimney. Further, we will ensure actualization of all particulars during commissioning of the project. ii. At present in our existing Chlor-Alkali plant, we have The gaseous emissions (SO<sub>2</sub>, NOx, CS<sub>2</sub>, H<sub>2</sub>S, CO, HC) and particulate matter from installed Online Continuous Emission analyzer for process and CPP units shall confirm norms parameter Cl<sub>2</sub> and HCl in Hypo and HCl Stack respectively. prescribed by the CPCB/ GPCB from time to Similarly, Online Continuous Emission Monitoring System time. At no time, the emission levels shall have been installed for Parameter Particulate Matter (PM), go beyond the prescribed standards. In the SO<sub>2</sub>, NOx for both Old and New Power Plant and data w.r.t. event of failure of any pollution control all above mentioned parameter has been transmitted to system adopted by the unit, the respective GPCB/CPCB server. unit shall not be restarted until the control We have installed Online Continuous Emission Monitoring measures are rectified to achieve the System for parameter SO<sub>2</sub> for both of Sulphuric Acid Plant desired efficiency. Continuous emission and it is in operation. monitoring system (CEMS) should be We have installed three Nos. of H<sub>2</sub>S monitors & Three Nos. installed to measure SO<sub>2</sub>, NOx and of CS<sub>2</sub> monitors within CS<sub>2</sub> Plant to indicate the Work Zone concentration of CS<sub>2</sub> & H<sub>2</sub>S gas. In addition, we have

particulate from the CPP stack and  $SO_2$ ,  $CS_2$  and  $H_2S$  from process plant stacks.

installed Online Continuous 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 42 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 8 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/MoEF & CC. The reports are submitted to GPCB every month and Six monthly reports are being submitted to RO, MoEF & CC, Bhopal. Copy of the Stack monitoring results from Nov'2020 to April'2021 are annexed and marked hereto as **Annexure** — I.

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 annexed and marked hereto as **Annexure – II.** 

iii. Exhaust containing  $CS_2$  and  $H_2S$  gas from rayon plant shall be passed through scrubber.

In the existing Rayon Plant,  $H_2S$  is scrubbed with Caustic Soda in 2 stage Absorption system to recover Sodium Sulphide. The 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 being maintained within permissible limit.

The project will be expanded in three phases within 5 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 were being installed and the installation will be completed by 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 Viscose Filament Yarn (1950 to 2200 MTPM), Sodium Sulphate (Na<sub>2</sub>SO<sub>4</sub>) Plant (2050 to 2350 MTPM), Captive Power Plant (34.5 to 54.5 MW) within the existing plant premises, we shall seek prior approval for CTO from GPCB prior to production.

<u>Phase – 3:</u> In order to further increase the production of Viscose Filament Yarn (2200 MTPM to 2400 MTPM) & new product Sodium Sulphite ( $Na_2SO_3$ ) Plant (3000 MTPM) and Liquid Sulphur Dioxide ( $SO_2$ ) Plant (1500 MTPM) within the existing plant premises, we shall seek approval for CTO from GPCB prior to production.

During the commissioning of Phase -2 & 3, concentration of  $CS_2$  &  $H_2S$  in process gas shall remain within permissible limit by the application of similar facilities.

Ambient Air Quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No 826 (E) dated 16<sup>th</sup> September, 2009. The levels of PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>, NO<sub>x</sub>, CO, CS<sub>2</sub>, H<sub>2</sub>S, HCl, VOCs and methane and non-methane HC shall be monitored in the ambient air and displayed

iv.

In the existing plant, four Nos. of AAQ stations are established and ambient air quality is being measured for PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, NO<sub>x</sub>, CS<sub>2</sub>, H<sub>2</sub>S, HCl, and Cl<sub>2</sub>. Location of Stations are concluded after consultation with GPCB officials. Copy of the AAQ results from Nov'2020 to April'2021 are annexed and marked hereto as <u>Annexure</u>—

III. The AAQ results are being displayed in main gate and the

at a convenient location near the main gate of the company and at important public places. The company shall upload the results of monitored data on its website and shall update the same periodically, it shall simultaneously be sent to the Regional office of MoEF, the respective Zonal office of CPCB and GPCB

same is being updated regularly. The AAQ results are being uploaded in our website (<a href="http://www.grasim.com/sustainability.aspx">http://www.grasim.com/sustainability.aspx</a> & <a href="http://adityabirlanuvo.com/indianRayon.php">http://adityabirlanuvo.com/indianRayon.php</a>) regularly. Simultaneously, the same AAQ results are sent to all the statutory body. Apart from above, Ambient Air Quality is performed by GPCB approved Environmental Auditor namely Darshan Engineering College, Rajkot.

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 both the stations are being transmitted to GPCB server. In addition, AAQ and Treated Effluent Results are being displayed over digital interface at our Main gate. Additional one nos. of Continuous Ambient Air Quality Monitoring System (CAAQMS) has been installed

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In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emission shall be controlled by providing closed storage, closed handling & conveyance of chemicals/materials, multi cyclone separator and water sprinkling system. Dust suppression system including 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.

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In existing plant, we have taken adequate preventive measures in all potential fugitive emission generating points such as coal handling point, transfer point etc. to control fugitive emission. The arrangements are as below:

- Coal is being kept in a covered shed and it is being transferred to Coal Bunker through encased conveyor Belt system to prevent fugitive dust emissions.
- 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. CS <sub>2</sub> and H <sub>2</sub> S are also being monitored with
		sensor and results are continuously monitored and
		maintained and it is being reported to statutory Authority
		in Form No- 37.
vi.	The gaseous emission from DG set shall be	We have D.G Sets for emergency power back up having
	dispersed through adequate stack height as	Stack Height as per GPCB Standards, which are as given
	per CPCB standards. Acoustic enclosure	below:
	shall be provided to the DG set to mitigate	> 2 Nos. of D.G Set (750 KVA)
	the noise pollution.	> 1 Nos. of D.G Sets (500KVA)
		> 1 Nos. of D.G set (1500 KVA)
		The DG sets are provided with the acoustic enclosures to
		mitigate the noise.
vii.	Total fresh water requirement from	Agreed.
	Umrethi Dam supply should not exceed	Total fresh water requirement from Umrethi Dam supply
	15938 m <sup>3</sup> /day and prior permission shall be	will be maintained within the limit as per stipulated
	obtained from the concerned Authority. No	condition. We will further reduce fresh Water consumption
	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	Indian Rayon has Consolidated Consents and Authorization
	shall not exceed 10540 m³/day. As	from Gujarat Pollution Control Board (GPCB) for generation

proposed, effluent should be treated in of 11372 m<sup>3</sup>/day of treated effluent. However, after the effluent treatment plant. Treated effluent expansion, our wastewater generation will be 10540 shall be discharged into conveyance system m<sup>3</sup>/day. We have Effluent Treatment Plant (ETP) having for marine disposal after confirming to the Capacity of 12000 m<sup>3</sup>/day and it will be adequate for standards prescribed for marine discharge treatment of wastewater after Expansion. The treated norms and obtaining permission from the effluent is processed through guard pond. Thereafter it is GPCB. Treated effluent should be passed being discharged into sea through pipeline having design through guard pond. Online pH meter, TOC discharge capacity of 15,000 m<sup>3</sup>/day into deep sea with analyzer and flow meter should be diffuser system and same meets all parameters within the installed. No process effluent shall be GPCB limits. discharged in and around the project site. Further, we have installed Online Continuous Effluent Sewage should be treated in STP. The water Monitoring system for pH, TSS, Temperature & Flow and quality monitoring report for treated the online data has been transmitted to GPCB/CPCB server. effluent should be submitted to the CPCB and Ministry's regional office at Bhopal. In addition to this, we have installed Sewage Treatment Plant of capacity 500 m<sup>3</sup>/day. However, we are generating sewage within limits of 388 m<sup>3</sup>/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 Nov'2020 to April'2021 is annexed and marked hereto as **Annexure – IV.** Apart from above, Treated Effluent Analysis is done by GPCB approved Environmental Auditor namely Darshan Engineering College, Rajkot. Also, We have installed Online Continuous Emission Monitoring System for parameter TOC at site and it is in operation. As proposed, effluent recycling RO plant In Phase -1, we have installed RO Plant of 500 m3/day and shall be installed to produce 2000 m<sup>3</sup>/day it is in operation. The remaining 1500 m<sup>3</sup>/day of effluent recycle water. Efforts shall be made for recycling will be achieved in subsequent phases i.e. phaserecovery of sodium thiosulphate. 2 & 3. Efforts for recovery of Sodium thiosulphate is noted. Treated effluent should be passed through At present, treated effluent is processed through guard pond. Thereafter it is being discharged into sea through guard pond. Online pH meter, TOC analyzer pipeline into deep sea having design capacity of 15,000 and flow meter should be installed. m<sup>3</sup>/day with diffuser system and same meets all parameters within the GPCB limits.

ix)

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	Sulphide contents in the effluent should also be monitored.	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.
xi)	Process effluent/ any wastewater shall not be allowed to mix with storm water. Strom water drain shall be passed through guard pond.	With regard to TOC Meter, kindly refer reply to pt. vii  We are very conscious and alert to take all precautions regularly so that mixing of both the streams (Storm & Process) will not take place. It is being done by formulating periodic schedule for cleaning of all Effluent Channel as well as storm channels to eliminate chocking of the same and we have instructed all the concerned departments / sections for implementation of the same on continuous & regular basis.
xii)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Transboundary movement) Rules, 2008 and amendment as on date for management of hazardous waste and prior permission from GPCB shall be obtained for disposal of solid/Hazardous waste in the TSDF. A copy of the same shall be submitted to the Ministry and Ministry's regional office at Bhopal.	<ul> <li>We have been granted with Authorization from the Gujarat State Pollution Control Board for collections/treatment/storage/disposal of hazardous wastes in Consolidated Consent &amp; Authorization (CC&amp;A) vide Letter No. GPCB/ID- 17239/CCA/JNG-1 (27) for which Consent order number is. AWH -92560 Date of issue: 23/04/2018. Copy of the renewed CCA has also been submitted at your office.</li> <li>Solid/Hazardous Waste Generated from process are being disposed through GPCB approved TSDF with prior permission.</li> </ul>
xiii)	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of hazardous chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the motor vehicle Act (MVA), 1989.	<ul> <li>We have been granted authorization for handling and storage of Hazardous waste, generated in the plant and relevant procedures are followed. We have approvals from Chief Inspectorate of Factories, Gandhinagar, Chief Controller of Explosives, Nagpur and Fire Safety Inspectorate.</li> <li>We are complying with the rules and regulations under Manufacture, Storage and Import of Hazardous</li> </ul>

		<ul> <li>chemicals Rules, 1989 as amended in October, 1994 and January, 2000.</li> <li>All transportation of hazardous chemicals are being done as per the Motor Vehicle Act (MVA), 1989 as registered vehicles are only used for transportation.</li> </ul>
xiv)	All the recommendations mentioned in the Environment Management Plan, Rapid Risk Assessment Report, Disaster Management Plan and safety guidelines shall be implemented.	<ul> <li>We have onsite Emergency plan and offsite Emergency plan having duly approved by Deputy –Director (Industrial Safety and Health), Government of Gujarat.</li> <li>We are adhering to the recommendations mentioned in Environmental Management Plan &amp; Rapid Risk Assessment Report. Moreover, we are also carrying out safety audit regularly and the report is submitted to various Government bodies.</li> <li>We have adopted Aditya Birla Sustainability Framework for Safety System in VFY, CSP &amp; CPP as the part of which we have Implemented 14 safety standards to maintain and improve work place safety culture.</li> <li>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.</li> <li>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 from reputed international agency Intertek and SA 8000:2014 &amp; ISO 50001:2011 from reputed international agency DNV.</li> </ul>
xv)	Boiler ash should be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming	At present, we are having Dry Fly ash collection facility in CPP. There are Four Silos with Bag Filter having total capacity of 1200 MT is available for storage of dry fly ash.

	air borne by air or water regime during rainy	We will uphold the existing facility for proposed fly ash
	season by flowing along with the storm	generation. The persons working there use the appropriate
	water. Direct exposure of workers to fly ash	PPEs to avoid exposure. The same practices shall be
	& dust shall be avoided.	followed for the proposed power plant.
xvi)	All the fly ash shall be utilized as per fly ash	The fly ash generated in our Captive Thermal Power Plant is
	Notification, 1999 subsequently amended	utilized 100% in Cement Plants. Thus, we are complying the
	in 2003 and 2008.	guidelines of Fly ash Notifications. Further to inform that
		we are regularly submitting yearly return in Standard
		Proforma provided by MoEF & CC, New Delhi as per Fly Ash
		Notification to the Head Office, Gandhinagar and your
		Regional Office at Junagadh as well.
xvii)	The unit shall make the arrangement for	Recommendations of Fire study & Risk Assessment are
	protection of possible fire hazards during	being 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.	Fire safety measures is incorporated within factory
		premises. All the fire extinguishing media such as Water,
		dry chemicals, CO <sub>2</sub> , 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.
xviii)	Occupational health surveillance	Occupational health surveillance programme are
	programme should be undertaken as	undertaken as regular exercise for all the employees,
	regular exercise for all the employees. The	specifically for those engaged in handling hazardous
	first aid facility in the occupational health	substances.
	center should be strengthened and regular	The first aid facilities in the occupational Health Centre
	medical test records of each employee	are strengthened and the medical records of each
	should be maintained separately.	employee have been maintained separately.
xix)	Dedicated parking facility or loading and	At present, we have the adequate infrastructure for parking
	unloading of material should be provided in	for vehicle engaged in loading and unloading of material.
	the factory premises. Unit should develop	Further, we have a team of personnel, who take care the
	and implement good traffic management	transporting system inside plant premises. Outward moving

	system for their incoming and outgoing	vehicles are instructed not to rush in public road and move
	vehicles to avoid congestion on the public	in a queue in order to avoid congestion.
	road.	
xx)	As proposed, green belt over 33% of the total project area should be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road side etc. selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	<ul> <li>We have developed 33.64 % of plant area viz. Rayon, Power Plant and Caustic Soda Plant into Green belt with local species. There are 120065 nos. existing trees as on 31st March 2021. Besides above 1.147 acre area is used/developed with lawn (Hariyali). Total 10.3 Km length of hedges are planted and maintained.</li> <li>Plant Area breakup:         <ul> <li>Plant Boundary: 176.26 acre</li> <li>Green Belt Area: 59.31 acre (33.64% of total area)</li> <li>Open Area: 114.18 acre</li> </ul> </li> <li>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 2020-21, we planted 463 nos. of sapling inside plant premises till date.</li> </ul>
xxi)	All the commitments made to the public during public hearing/Public consultation meeting held on 4 <sup>th</sup> October, 2014 shall be satisfactorily implemented and a separate budget for implementing the same shall be allocated and information submitted to the ministry's Regional office at Bhopal.	All the comments raised during public hearing/ consultation was noted and detailed Action Plan and Budgetary Allocation will be earmarked to satisfactorily implement the same. We shall submit the aforesaid report to your office.
xxii)	The company shall submit within three months their policy towards Corporate Environmental Responsibility which should inter-alia address (i) standard operating process/procedure to being into focus any infringement/ deviation/ violation of environmental or forest norms. Conditions, (ii) Hierarchical system or Administrative	Complied  We do have the Corporate Environmental Policy featuring all the attributes delineated in the condition. Also we would like to mention that we are carrying out the Environmental Management in our unit in line with the formulated Policy.

	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 Oct'2020 to
	shall be prepared and submitted to the	March'2021 is annexed hereto and marked as Annexure –
	Ministry's Regional Office at Bhopal.	<u>∨</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	
i)	The project authorities must strictly adhere	Presently, we are complying all the conditions given by
	to the stipulations made by the <b>Gujarat</b>	Gujarat State Pollution Control Board, State Government
	State Pollution Control Board (GPCB), State	and other statutory authority.

	Government and any other statutory	
	authority.	
ii)	No further expansion or modifications in	Noted
	the plant shall be carried out without prior	we 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 <sub>2</sub> SO <sub>4</sub> ) 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	22nd 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.
		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.
iii)	The National Ambient Air Quality Emission	Noted
	standards issued by the Ministry vide G.S.R.	
	No 826 (E) dated 16 <sup>th</sup> September, 2009 shall	
	be complied.	
iv)	The locations of ambient air quality	Complied. Refer Specific Condition No. (iv)
	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.	
v)	The overall noise levels in and around the	Adequate measures are taken to provide
	plant area shall be kept well within the	earmuffs/earplugs for persons working in noisy areas. All
	standards by providing noise control	the places where practicable silencers are provided to the
	measures including acoustic hoods,	equipment's like compressors, Blowers etc. We are
	silencers, enclosures etc. on all sources of	regularly monitoring Noise Level at Ambient Air and also in
	noise generation. The ambient noise levels	Work Zone.
	shall conform to the standards prescribed	
	under EPA Rules, 1989 viz. 75 dB (A) (day	
	time) and 70 dB (A) (night time).	
vi)	The company shall harvest rainwater from	All efforts for rain water harvesting are being taken. Due to
	the roof tops of the buildings and storm	high water table in area further recharging is not possible.
	water drains to recharge the ground water	However, separate storm water drains are provided to
	and use the same for the process activities	prevent flooding by discharging into Devka River.
	of the project to conserve fresh water.	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 & Sustainability f) Department Head - Civil g) Manager - ETP h) Department Head - Safety i) Engineer/ Officer – Environment & Sustainability k) Environmental Analyst I) 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 Environmental Clearance on 30.06.2015. Corporations, Urban local body and the local NGO if any, from who suggestions/ representations, if any, were received while processing the proposal.

The Project Proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by email) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the Gujarat Pollution Control Board. A copy of Environmental Clearance and six monthly compliance status reports shall be posted on the website of the company.

We are submitting the six monthly compliance report of stipulated EC conditions to your good office and GPCB in hardcopy and we are also uploading it on our website. Henceforth, we will be regularly submitting the same in the form of softcopy through Email. Kindly note that Aditya Birla Nuvo Limited have been amalgamated with Grasim Industries Limited w.e.f 1<sup>st</sup> July 2017. Therefore, now, our unit is called Grasim Industries Limited, Unit – Indian Rayon. We have intimated about the amalgamation to Pollution Control Authorities viz. The Director, IA Division (Industry - II), New Delhi, MoEF & CC, Western Regional Office, Bhopal, Zonal Officer, CPCB, Vadodara, GPCB, Gandhinagar, GPCB, Junagadh vide our Letter dated 22<sup>nd</sup> June 2017, 3<sup>rd</sup> July 2017 and 15<sup>th</sup> 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<sup>th</sup> 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)

xv)

The environmental statement for each financial year ending 31<sup>st</sup> March in Form-V as is mandated shall be submitted to concerned State Pollution Control Board 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 Environmental Clearance conditions and shall also be sent to the respective Regional Office of MoEF & CC by e-mail.

We are regularly submitting the Environmental Statement to GPCB and uploading the same on our website. The same also sent to Regional Office, MoEF & CC. Henceforth, we will be regularly submitting the same in the form of softcopy through Email as well.

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://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 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.  8)  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  9)  The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.  10)  The above conditions of the Water (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Othe Wate (Management and Transboundary Rules, 2016 and Waste (Management and Tr	xvii)	The Project Proponent shall inform the	Complied
and copies of the clearance letter are available with the SPCB/ Committee and may also be seen at Website of the Ministry 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 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.  B)  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  P)  The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.  The above conditions will be enforced, interalia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1981, the Environment (Protection) Act, Waste (Management and Transboundary Rules, 2016 and ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 27th 2015 i.e. within 1 days period.  ABNL/ENV/C3262/2015 dated June 2		public that the project has been accorded	We have already intimated about the advertisement of
available with the SPCB/ Committee and may also be seen at Website of the Ministry 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 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.  8)  The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.  9)  The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.  10)  The above conditions will be enforced, interalia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, Waste (Management and Transboundary Rules, 2016 and waste (Managemen		environmental clearance by the Ministry	accordance of Environmental Clearance with in stipulated
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implement these conditions.  The above conditions will be enforced, interalia under the provisions of the Water (Prevention & Control of Pollution) Act, (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Environment (Protection) Act, 1986, Hazardous and Othe Act, 1981, the Environment (Protection) Act, Waste (Management and Transboundary Rules, 2016 and		additional conditions, if found necessary.	by your esteemed department from time to time.
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Act, 1981, the Environment (Protection) Act, Waste (Management and Transboundary Rules, 2016 and		(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
1986, Hazardous Wastes (Management and the Public Liability Insurance Act, 1991 along with thei		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.		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.

B.	As per EC Letter No. J-11011/445/2008 –	IA.II (I), Dated: 18.07.2008 by MoEF & CC for Expansion
	•	nt Yarn from 1300 MTPM to 1650 MTPM & Caustic Soda
	production from 200 TPD to 400 TPD.	
S. No.	Conditions	Reply to Stipulated Conditions
A. Spec	ific Conditions	I
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	
	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	
	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 HCl 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 HCl 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	
	installed	
iv.	Particulate emissions from the captive	Complied
	power plant and coal fired boiler shall be	
	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 HCl acid tanks to	Compiled
	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 <sub>2</sub> and H <sub>2</sub> S	
	shall be recovered by condensers and H <sub>2</sub> S	
	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 <sub>2</sub> .	
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
1741	plant area to mitigate the effects of fugitive	osinpiioa
	emissions all around the plant. The	
	development of green belt shall be as per	
	the Central Pollution Control Board	
	guidelines.	
X.	Rainwater harvesting measures shall be	Complied
	undertaken to recharge the ground water.	
	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	Complied
	the 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.	
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	
	Time. Deale made by obtained for	

	collections/ treatment/ storage/ disposal of	
	hazardous wastes.	
		Daine Complied
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	
	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
17.	adequate funds both recurring and non-	Compiled
	recurring to implement the conditions	
	stipulated by the Ministry of Environment &	
	Forests as well as the State Government	
	along with the implementation schedule for	

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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	
	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.	·	1011/382/2008-IA.II (I) dated 02.08.2011 by MoEF & CC ion capacity of Viscose Filament Yarn from 1300 MTPM TPD
S.	Conditions	Reply to Stipulated Conditions
No.		
i.	Plant capacity shall not increase beyond 1650	Complied
	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.	
ii.	All the conditions mentioned in the letter no. J-	Complied
	11011/445/2008-IA.II (I) dated 18.07.2008	
	shall be satisfactory complied.	
iii.	Permission from the State Government shall be	Complied
	obtained for the change in technology.	

D.	As per EC no. J -11012/25/95-IA.II (I) dated 1	19.06.1995 & amendment dated 31.08.1998 by MoEF &
	CC (Expansion Project)	
S.	Conditions	Reply to Stipulated Conditions
No.		
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 <sub>2</sub> & H <sub>2</sub> S 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 <sub>2</sub> , NO <sub>x</sub> , CS <sub>2</sub> , H <sub>2</sub> S	
	and Cl <sub>2</sub> 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	Bonig Compiled
	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.	
9	Adequate number of chlorine sensors coupled	Complied
	with alarm system should be installed at	Compiled
	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	and and terroring the approvate periodically.
	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 <sub>2</sub> , H <sub>2</sub> S and Cl <sub>2</sub> so as	
	to ensure that it meets the standards	
	prescribed by the competent authorities/	
	prosonibod 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	Being complica
	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	Boiling Complica
	especially with respect to exposure to CS <sub>2</sub> ,	
	H <sub>2</sub> S, chlorine, thermal stresses and noise	
	pollution. Maintenance of individual medical	
	records along with base-line data is required.	
16	A green belt of adequate width and density	Complied
	using local plant species should be developed	Complica
	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	- Compiled
	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	Compiled
	distribution of concentrations of pollutants	
	distribution of concentrations of poliutarits	

	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	
	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.	
	1	1

E.	As per EC Letter No. 11-80/2008-IA.III (Part - I	I) dated 07.12.2009 by MoEF & CC for Marine
	Pipeline Project	
S.No.	Conditions	Reply to Stipulated Conditions
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 <sub>2</sub> , 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 nublic	
	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 31st 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.		12.02.2009 by GCZMA for Marine Pipeline Project
S.No.	Conditions	Reply to Stipulated Conditions
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
·	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian	, , , , , , , , , , , , , , , , , , ,
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.	Notification of 1991 and subsequent amendments issued from time to time.
2	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000	Notification of 1991 and subsequent amendments
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/day (max) meeting with the Gujarat	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/day (max) meeting with the Gujarat Pollution Control Board (GPCB) Norms at the	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/day (max) meeting with the Gujarat Pollution Control Board (GPCB) Norms at the point recommended by CSMCRI, Bhavnagar,	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/day (max) meeting with the Gujarat Pollution Control Board (GPCB) Norms at the point recommended by CSMCRI, Bhavnagar,	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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 m³/ day of treated effluent and shall increase	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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 m³/ day of treated effluent and shall increase the quantity of the same after obtaining the	Notification of 1991 and subsequent amendments issued from time to time.
	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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 m³/ day of treated effluent and shall increase the quantity of the same after obtaining the necessary CCA/ Consent under the water Act	Notification of 1991 and subsequent amendments issued from time to time.
2	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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 m³/ 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.	Notification of 1991 and subsequent amendments issued from time to time.  Being complied
2	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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 m³/ 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.  All the recommendations and suggestion given	Notification of 1991 and subsequent amendments issued from time to time.  Being complied
2	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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 m³/ 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.  All the recommendations and suggestion given by the CSMCRI in its effluent disposal point	Notification of 1991 and subsequent amendments issued from time to time.  Being complied
2	and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.  The treated effluent, to the tune of 15000 m³/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 m³/ 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.  All the recommendations and suggestion given by the CSMCRI in its effluent disposal point selection report/ Environment Impact	Notification of 1991 and subsequent amendments issued from time to time.  Being complied

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	
	from the construction site immediately after the	
	construction is over and shall be disposed of as	
	per the guidelines of the GPCB.	
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	Complied
	the 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/	
	acts shall be obtained before commencing the	
	constructions/ pipeline laying activities.	
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
	appointed by this department for supervision/	DoEF, Gandhinagar for supervision/ monitoring of the
	monitoring of the project activities during	project activities during constructions operational
	constructions operational phases shall be	phases.
	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 19.11.2020 to 24.11.2020 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
S.No.	Conditions	Reply to Stipulated Conditions
A. Sp	ecific 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 19.11.2020 to
		24.11.2020 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	
	06.10.2008 shall be strictly implemented.	
(iii)	The Pipe line shall not be disturbed the	Complied
	movement of fishing vessels or fishermen.	
(iv)	It shall be ensured that there is no displacement	Complied
	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.	
(viii)	The entire stretch of the pipe lines Shall be buried	Complied
	underground except at the booster pumping	
	,	1

	station which will be fenced and station would be	
	manned round the clock .The buried lines will be	
	protected with anticorrosive Coal tar based	
	'	
	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
(XII)	manner that there is no damage whatsoever for	Compiled
	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 19.11.2020 to
		24.11.2020 is awaited.

B. General Conditions		
(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	
	construction activity must have approval of the	
	concerned state government department/	
	agencies.	
(")		O. w. F. I
(ii)	The project authorities shall take appropriate	Complied
	community development and welfare measures	
	for the villagers in the vicinity of the project site,	
	including drinking water facilities. A separate fund	
	shall be allocated for this purpose	
(iii)	To meet any emergency situation appropriate	Complied
	firefighting system shall be installed. Appropriate	
	arrangement uninterrupted power supply to the	
	environment protection equipment and	
	continuous water supply for the firefighting	
	system to be made.	
(iv)	A separate Environment Management Cell with	Complied
(17)	suitably qualified staff to carry out various	Compiled
	environment related function shall be set up	
	•	
	under the charge of senior executive who will	
	directly to the chief executive of the company.	
(v)	The funds earmarked for environment protection	Complied
	measures shall be maintained as a separate	
	account and shall be no diversion of these funds	
	for any other purpose. A year-wise expenditure	
	on environmental safe guard shall be reported to	
	this ministry's regional office at Bhopal	
	Proposed Environmental Expendi	iture in Financial Year 2021 - 22
	S. No. Environmental Management Plan	Budget Rs. Lacs
	<ul><li>1 Pipe line Maintenance including Diffuser</li><li>2 Water Environment including ETP Perfo</li></ul>	-
	3 Post Marine Environment Monitoring	40
	4 Green Belt Development	50
	5 Addition of one field in ESP of CFBC Bo	
	Total	390
(vi)	Full support shall be extended to the officers of	Complied
	the ministry regional office at, a fresh reference	
	shall be made to this ministry for modification in	
	The state of the s	

	the clearance Bhopal and the officers of the	
	Central and State Pollution Control Board by the	
	project proponent during their inspection for	
	monitoring agency.	
(vii)	In case deviation or alteration in the project	Noted and Complied
(***)	including the implementing agency, a fresh	
	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.	Natari
(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 in	Complied
	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	
	Silver at won at minory, the date of	

	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 Clearance	Not Applicable
	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 18 <sup>th</sup> April, 1996 in the Writ	
	Petition No. 1993 to the extent the same are	
	applicable to this proposal.	