

Your (**Half Yearly Compliance Report**) has been **Submitted** with following details

Proposal No	IA/GJ/IND2/90464/2015
Compliance ID	128483783
Compliance Number(For Tracking)	EC/M/COMPLIANCE/128483783/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	01-12-2025
RO/SRO Name	Dr G Trinadh Kumar
RO/SRO Email	agmu174.ifs@nic.in
State	GUJARAT
RO/SRO Office Address	Integrated Regional Offices, Gandhi Nagar
Note:- SMS and E-Mail has been sent to Dr G Trinadh Kumar, GUJARAT with Notification to Project Proponent.	

To,
Integrated Regional Office (IRO)
"KARMAYOGI BHAWAN"
Block-3, F-2 Wing, 5th Floor,
Near CH-3 Circle,
Sector-10A, Gandhinagar – 382010

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 2025 to 30th September 2025 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

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

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



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

A.	As per Letter No. J-11011/343/2013-IA II (I) dated 22nd June, 2015 by MoEF & CC for Proposed Expansion of Viscose Filament Yarn (1650 to 2400 MTPM), Sodium Sulphate (Na₂SO₄) Plant (2050 to 2350 MTPM), Captive Power Plant (34.5 to 54.5 MW) along with Installation of Sodium Sulphite (Na₂SO₃) Plant (3000 MTPM) & Liquid Sulphur Dioxide (SO₂) Plant (1500 MTPM).
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Sr. No.	Conditions	Reply to Stipulated Conditions
i.	ESP and adequate stack height shall be provided to coal fired boiler to control air emissions within the limit stipulated by CPCB and GPCB. Low NO _x burner shall be provided in captive Co-generation power plant to reduce the NO _x emissions.	Complied
ii.	The gaseous emissions (SO ₂ , NO _x , CS ₂ , H ₂ S, CO, HC) and particulate matter from process and CPP units shall confirm norms prescribed by the CPCB/ GPCB from time to time. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Continuous emission monitoring system (CEMS) should be installed to measure SO ₂ , NO _x and particulate from the CPP stack and SO ₂ , CS ₂ and H ₂ S from process plant stacks.	Complied, The 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 Annexure – II & III .
iii.	Exhaust containing CS ₂ and H ₂ S gas from rayon plant shall be passed through scrubber.	Complied
iv.	Ambient Air Quality data shall be collected as per NAAQS standards notified by the Ministry vide G.S.R. No 826 (E) dated 16 th September, 2009. The levels of PM ₁₀ , PM _{2.5} , SO ₂ , NO _x , CO, CS ₂ , H ₂ S, HCl, VOCs and methane and non-methane HC shall be monitored in the ambient air and displayed 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	Complied, 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. Copy of the AAQ monitoring results from April 2025 to September 2025 are attached as Annexure – IV . The AAQ results are being displayed in main gate and the same is being updated regularly.

	shall update the same periodically, it shall simultaneously be sent to the Regional office of MoEF, the respective Zonal office of CPCB and GPCB	
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v.	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 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.	Complied
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 backup having Stack Height as per prescribed standards.
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 groundwater should be used. Efforts should be made to reduce the fresh water requirement by adopting 3R's (Reduce, Reuse and Recycle) concept.	Noted and being complied
viii.	Total industrial wastewater generation shall not exceed 10540 m ³ /day. As proposed, effluent should be treated in effluent treatment plant. Treated effluent shall be discharged into conveyance system for marine disposal after confirming the standards prescribed for marine discharge	Noted and being complied Copy of Treated Effluent Analysis report for the period from April 2025 to September 2025 is attached as Annexure – V.

	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 the Ministry's regional office at Bhopal.	
ix)	As proposed, effluent recycling RO plant shall be installed to produce 2000 m ³ /day recycle water. Efforts shall be made for recovery of sodium thio-sulphate.	Complied
x)	Treated effluent should be passed through guard pond. Online pH meter, TOC analyzer and flow meter should be installed. Sulphide contents in the effluent should also be monitored.	Complied
xi)	Process effluent/ any wastewater shall not be allowed to mix with storm water. Strom water drain shall be passed through guard pond.	Complied
xii)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Waste (Management, Handling and Trans-boundary 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.	Complied, The unit has been granted with permission from GPCB for collection, storage and disposal of 18 No of Hazardous waste under the Hazardous Other Waste (Management & Trans-boundary movement) Rules, 2016 in CC&A Renewal <i>vide</i> letter no. GPCB/CCA/JNG-1(35)/ID-17239/780188 dated 03.01.2024, which is valid up to 31.12.2028. The Amendment of CC&A has been granted <i>vide</i> letter no GPCB/CCA/JNG-1(35)/ID-17239/784706 dated 23.02.2024 and latest <i>vide</i> order no AWH- dated 26.03.2025 which is valid up to 31.12.2028 and same attached as Annexure – I .
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.	Noted & being complied

xiv)	All the recommendations mentioned in the Environment Management Plan, Rapid Risk Assessment Report, Disaster Management Plan and safety guidelines shall be implemented.	Complied
xv)	Boiler ash should be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by air or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided.	Complied
xvi)	All the fly ash shall be utilized as per fly ash Notification, 1999 subsequently amended in 2003 and 2008.	Complied
xvii)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per norms.	Noted and being complied
xviii)	Occupational health surveillance Program 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.	Complied
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.	Complied

xx)	<p>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.</p>	<p>Complied</p> <p>A total of 33.64% of the plant area across the Rayon, Power Plant, and Caustic Soda Plant units has been developed into a sustainable green belt with indigenous species. Furthermore, we have carried out Miyawaki afforestation initiatives at three strategic locations, planting 5,900 saplings over 2,000 sq.m, representing 66 diverse native species to enhance biodiversity and ecological resilience.</p>
xxi)	<p>All the commitments made to the public during public hearing/Public consultation meeting held on 4th 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.</p>	<p>Complied</p>
xxii)	<p>The company shall submit within three months their policy towards Corporate Environmental Responsibility which should inter-alia address (i) standard operating process/procedure to bring into focus any 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.</p>	<p>Complied</p>
xxiii)	<p>At least 5% of the total cost of the project (i.e. Rs. 43 Crore) shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical break up /details shall be prepared and submitted to the</p>	<p>Noted for Compliance</p> <p>A separate budget has been earmarked for CSR/ESC activities. CSR/ESC activities is being carried out by Indian Rayon Jan Seva Trust. CSR Report for the period April 2025 to September 2025 is attached as Annexure – VI.</p>

	Ministry's Regional Office at Bhopal. Implementation of such Programme should be ensured accordingly in a time bound manner.	
xxiv)	Provision shall be made for the housing for the construction Labour within the site with all necessary infrastructure and facilities 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.	Noted for compliance

General Condition

i)	The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any other statutory authority.	Complied
ii)	No further expansion or modifications in 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.	Noted
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 and being complied
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	Complied

	where maximum ground level concentrations are anticipated.	
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).	Noted and being complied
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.	Complied
vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied
viii)	Usage of personnel protective Equipment's (PPE's) by all employees/workers shall be ensured.	Complied
ix)	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Complied
x)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding areas. CSR activities shall be undertaken by involving local villages and administration.	Complied
xi)	The company shall undertake eco-developmental measures including community welfare measures in the project	Noted

	area of the overall improvement of the environment.	
xii)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and monitoring functions.	Complied
xiii)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum 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	Complied
xiv)	A Copy of clearance letter shall be sent by Project Proponent to the concerned panchayat/ Zila Parishad/ Municipal Corporations, Urban local body and the local NGO if any, from who suggestions/ representations, if any, were received while processing the proposal.	Complied
xv)	The Project Proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, 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.	Complied 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.
xvi)	The environmental statement for each financial year ending 31 st 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	Complied We are regularly submitting the Environmental Statement to GPCB and uploading the same on our website.

	to the respective Regional Office of MoEF & CC by e-mail.	
xvii)	The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/ Committee and may also be seen at Website of the Ministry at http://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.	Complied
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.	Noted and complied
8)	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Complied
9)	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.	Noted, we will comply any additional conditions may be imposed by your esteemed department from time to time.
10)	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2008 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted

B.	As per EC Letter No. J-11011/445/2008 – IA.II (I), Dated: 18.07.2008 by MoEF & CC for Expansion Project for production of Viscose Filament Yarn from 1300 MTPM to 1650 MTPM & Caustic Soda production from 200 TPD to 400 TPD.
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Sr. No.	Conditions	Reply to Stipulated Conditions
A. Specific Conditions		
i.	The effluent generation shall not exceed 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	Being Complied
ii.	Process emissions from the caustic soda 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 HCl synthesis unit shall be provided for dispersion of emission	Complied
iii.	The vent gases from Sodium hypochlorite plant and HCl acid plant shall be controlled at source by effective absorption system. Waste Chlorine gas shall be used in preparation of HCl. Bubble cap tray followed by packed bed scrubber with DM water shall be provided to scrub HCl 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	Complied
iv.	Particulate emissions from the captive power plant and coal fired boiler shall be controlled by electrostatic precipitator and bag filters and emissions shall be	Complied

Sr. No.	Conditions	Reply to Stipulated Conditions
	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.	
v.	Dykes of adequate height shall be provided around the HCl acid tanks to collect the acid within the dyke walls in the event of catastrophic failure of the tank	Complied
vi.	The gaseous emissions from the carbon di Sulphide plant in the form of CS ₂ and H ₂ S shall be recovered by condensers and H ₂ S shall be scrubbed with caustic soda and 2-stage absorption system to recover sodium Sulphide.	Complied
vii.	The adequate measures shall be taken to prevent the fire hazards and accidental release of Cl ₂ .	Complied
viii.	The project authorities shall comply with the recommendations made in the EIA/EMP report.	Complied.
ix.	Green belt shall be developed in 12 ha of 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.	Complied
x.	Rainwater harvesting measures shall be undertaken to recharge the ground water.	Complied

B. General Conditions

i.	The project authorities shall strictly adhere to the stipulations made by the Gujarat State Pollution Control Board (GPCB)	Complied
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment & Forests. In case of deviations or alterations	Complied

Sr. No.	Conditions	Reply to Stipulated Conditions
	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 with the rules and regulations under 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.	Complied We are renewing the approvals periodically.
iv.	The project authorities shall strictly comply 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.	Complied
v.	The overall noise levels in and around the 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).	Being Complied
vi.	Occupational health surveillance 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	Being Complied

Sr. No.	Conditions	Reply to Stipulated Conditions
	each employee should be maintained separately	
vii.	The project proponent shall also comply with 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	Complied
viii.	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and monitoring functions.	Complied
ix.	The project authorities shall provide 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.	Complied
x.	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.	Complied
xi.	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 of issue of the clearance letter, at least	Complied

Sr. No.	Conditions	Reply to Stipulated Conditions
	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.	
xii.	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 commencing the land development work, if any.	Complied This project was applied to enhance the production capacity of Viscose Filament Yarn through modification in machinery and in Caustic Soda Plant by installation of three electrolyzers in the cell house. For the aforesaid project we 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 vide letter no. GPCB/CCA-JNG-1(16)/ID-17239/96938 dated 18 th November 2011 for commissioning of New Superior Spool Technology for Manufacturing of Viscose Filament Yarn.
8.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted
9.	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner shall implement these conditions.	Noted.
10.	Any appeal against this environmental 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	Complied
11.	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous Wastes (Management and Handling) Rules, 2003 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted. We are operating our plant under statutory consents & clearances from Gujarat Pollution Control Board (GPCB), Gandhinagar and Ministry of Environment & Forests (MoEF), New Delhi respectively.

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
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Sr. No.	Conditions	Reply to Stipulated Conditions
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.	All the conditions mentioned in the letter no. J-11011/445/2008-IA. II (I) dated 18.07.2008 shall be satisfactory complied.	Complied
iii.	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 31.08.1998 by MoEF & CC (Expansion Project)
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Sr. No.	Conditions	Reply to Stipulated Conditions
1	The PA must strictly adhere to the stipulations made by the SPCB and the State Government.	Complied
2	The PA must take effective steps to limit the emissions of CS ₂ & H ₂ S and in no case, it should exceed the limits prescribed by GPCB-amended condition.	Being Complied
3	Gaseous and particulate emissions from the 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.	Being Complied
4	At least four AAQ monitoring stations should be established in the down wind direction as well as where maximum ground level	Being Complied

Sr. No.	Conditions	Reply to Stipulated Conditions
	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, regularly monitored and data recorded.	Being Complied
6	Liquid effluents coming out of the existing plant 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.	Being Complied
7	The hazardous wastes should be handled as 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.	Being Complied
8	Adequate measures for control of noise should 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 by employing engineering methods.	Being Complied
9	Adequate number of chlorine sensors coupled with alarm system should be installed at 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	Complied

Sr. No.	Conditions	Reply to Stipulated Conditions
	wind sock should be provided at appropriate place within the plant in consultation with the SPCB.	
10	Necessary approval should also be taken from the Explosive Department and the Chief Inspector of Factories, Gujarat regarding the design and safety of the pressure vessels, storage tanks etc.	Complied We are renewing the approvals periodically.
11	Work place air quality should be monitored regularly for acid mist, CS ₂ , H ₂ S and Cl 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.	Being Complied
12	Brine sludge collection area should always be kept clean. Area should be made impervious to avoid contamination of ground water due to spillage. The method should be approved by the SPCB.	Being Complied
13	Workers before entering the brine sludge area 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.	Being Complied
14	Showers (de-contamination booths) and eyes 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.	Being Complied
15	Occupational health surveillance Programme should be undertaken as a regular exercise especially with respect to exposure to CS ₂ , H ₂ S, chlorine, thermal stresses and noise pollution. Maintenance of individual medical records along with base-line data is required.	Being Complied
16	A green belt of adequate width and density 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	Complied

Sr. No.	Conditions	Reply to Stipulated Conditions
	green belt and an overall average of 300/ha for the plant.	
17	Risk assessment report should be revised and 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.	Complied
18	The PA should revise the DMP incorporating 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	Complied
19	Approval from the State Govt. / SPCB should be obtained for the proposed landfill site.	Complied
20	All the requirements of the CRZ notification must be complied with.	Complied
21	The PA should set up laboratory facilities for collection and analysis of samples under the supervision of competent technical personnel, who will directly report to the Chief Executive.	Complied
22	A separate EMC with suitably qualified people to carry out various functions should be set up under the control of Senior Executive, who will directly report to the Head of the organization.	Complied
23	The ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted

E.	As per EC Letter No. 11-80/2008-IA.III (Part - II) dated 07.12.2009 by MoEF & CC for Marine Pipeline Project
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Sr. No.	Conditions	Reply to Stipulated Conditions
1.	The proponent shall upload the status of 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 , NO _x (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.	Being complied
2.	The PP shall also submit six monthly reports on 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.	Complied
3.	The environmental statement for reach financial 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.	Being complied

F.	As per Letter No. ENV-10-2008-1177-E dated 12.02.2009 by GCZMA for Marine Pipeline Project
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Sr. No.	Conditions	Reply to Stipulated Conditions
1	The Provisions of the CRZ notification of 1991 and subsequent amendments issued from time to time shall be strictly adhered to by M/s Indian Rayon.	We will comply with all the provisions of the CRZ Notification of 1991 and subsequent amendments issued from time to time.
2	The treated effluent, to the tune of 15000 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.	Being complied
3	All the recommendations and suggestion given by the CSMCRI in its effluent disposal point selection report/ Environment Impact Assessment Report shall be implemented strictly by M/s Indian Rayon.	Complied
4	The effluent not meeting with the GPCB Norms 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	Complied
5	Comprehensive Environment Impact Assessment report shall be submitted to this department and the recommendations/ suggestions given in it shall be implemented.	Complied
6	The construction debris and sewage generated 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.	Complied

GRASIM INDUSTRIES LIMITED, UNIT-INDIAN RAYON, VERAVAL

Sr. No.	Conditions	Reply to Stipulated Conditions
7	The land ward portion of the pipeline shall be buried at least 1m below the ground and the offshore portion shall be protected appropriately from the erosion.	Complied
8	The construction camps shall be located 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.	Complied
9	The ground water shall not be tapped to meet with water requirements during construction or operation phase in any case.	Complied
10	A Disaster Management plan to meet any eventualities that may arise during constructions and/ or operations phase shall be prepared implemented.	Complied
11	The Pipeline Shall be monitored regularly by 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.	Complied
12	Necessary permissions from different departments/ agencies under different laws/ acts shall be obtained before commencing the constructions/ pipeline laying activities.	Complied
13	The company shall take up the mangrove plantation in 50 ha of area on Gujarat coastal line in phased manners in five years.	Complied
14	A separate Environmental Management Cell with qualified personnel shall be created to implement Environmental Management Plan and a separate budget shall be provided for this purpose.	Complied
15	The cost of external agency that may be appointed by this department for supervision/ monitoring of the project activities during	We will bear cost of external agency appointed by DoEF, Gandhinagar for supervision/ monitoring of the project activities during constructions operational phases.

GRASIM INDUSTRIES LIMITED, UNIT-INDIAN RAYON, VERAVAL

Sr. No.	Conditions	Reply to Stipulated Conditions
	constructions operational phases shall be borne by the M/s Indian Rayon.	
16	Massive Green belt development program shall be carried out in consultations with the forest department by M/s Indian Rayon.	Complied
17	A large Scale Socio-economic upliftment 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.	Complied
18	Environment Audit Report shall be submitted every year. The report shall also cover the change in the costal and marine environment enroute the proposed pipeline and around disposal point due to commissioning of the proposed pipe line	Complied Marine monitoring is regularly carrying out through M/s. National Institute of Oceanography, Mumbai and report is being submitted to all the Regulatory Authorities on regular basis. Monitoring Report for samples collected during March-2024 has been submitted to statutory authority
19	A Six Monthly Progress reports regarding the compliance of the conditions shall be submitted to this department.	Complied
20	Any additional conditions that may be imposed by the DOEF Department time to time shall have to be complied By M/s Indian Rayon.	We will comply any additional conditions may be imposed by the your department time to time

G.	As per EC Letter No. 11-80/2008-IA.III dated 20.10.2008 by MoEF & CC for Marine Pipeline Project
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Sr. No.	Conditions	Reply to Stipulated Conditions
A. Specific Conditions		
(i)	The Zinc Concentration in the effluents at the discharge point shall be monitored and the report submitted to the Regional Office, Bhopal at every three months.	Complied Marine monitoring is regularly carrying out through M/s. National Institute of Oceanography, Mumbai and report is being submitted to all the Regulatory Authorities on regular basis. Monitoring Report for samples collected during the March -24 period has been submitted to statutory authority.
(ii)	All the conditions stipulated by Forests and Environment Department Government of Gujarat vide their letter No. ENV-10-2008-1177E dated 06.10.2008 shall be strictly implemented.	Complied
(iii)	The Pipe line shall not be disturbed the movement of fishing vessels or fishermen.	Complied
(iv)	It shall be ensured that there is no displacement of people, houses or fishing activities as result of the project.	Complied
(v)	It shall be ensured due to the project that there is 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.	Complied
(vi)	The Project Proponent must ensure that the effluents/ liquid wastes discharged are the standards laid down by the Gujarat Pollution Control Board.	Complied
(vii)	The camps of Labour shall be kept outside the 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.	Complied
(viii)	The entire stretch of the pipe lines Shall be buried 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 Coating. The Coating will be tested in accordance with prescribed Standard.	Complied

GRASIM INDUSTRIES LIMITED, UNIT-INDIAN RAYON, VERAVAL

Sr. No.	Conditions	Reply to Stipulated Conditions
(ix)	Markers shall be installed at every 30 M to 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.	Complied
(x)	Their Shall be display board at critical location 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.	Complied
(xi)	All necessary clearance from concerned agencies shall be obtained before initiating the project.	Complied
(xii)	The Project shall be implemented in such a 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.	Complied
(xiii)	A Continuous and comprehensive post project Marine Monitoring quality Programme shall be taken up. This shall include monitoring of water quality, sediment quality and biological characteristics covered in the EIA Studies.	Complied Marine monitoring is regularly carrying out through M/s. National Institute of Oceanography, Mumbai and report is being submitted to all the Regulatory Authorities on regular basis. Monitoring Report for samples collected during March-2024 has been submitted to statutory authority.

B. General Conditions

(i)	Construction of the proposed structure shall be 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.	Complied
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GRASIM INDUSTRIES LIMITED, UNIT-INDIAN RAYON, VERAVAL

Sr. No.	Conditions	Reply to Stipulated Conditions
(ii)	The project authorities shall take appropriate 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	Complied
(iii)	To meet any emergency situation appropriate 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.	Complied
(iv)	A separate Environment Management Cell with suitably qualified staff to carry out various environment related function shall be set up under the charge of senior executive who will directly to the chief executive of the company.	Complied
(v)	The funds earmarked for environment protection 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	Complied

Proposed Environmental Expenditure in Financial Year 2025-26

Sr. No.	Environmental Management Plan	Budget Rs. Lacs
1	Pipe line Maintenance including Diffuser of Effluent & SWRO System	50
2	Water Environment including ETP Performance	100
3	Post Marine Environment Monitoring	40
4	Green Belt Development, Maintenance of SWD and Other Environment related work	50
	Total	240

(vi)	Full support shall be extended to the officers of 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 agency.	Complied
(vii)	In case deviation or alteration in the project including the implementing agency, a fresh reference shall be made to this Ministry for modification in the clearance conditions or	Noted and Complied

GRASIM INDUSTRIES LIMITED, UNIT-INDIAN RAYON, VERAVAL

Sr. No.	Conditions	Reply to Stipulated Conditions
	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 clearance, if any conditions stipulated are not compiled with to the satisfaction of this Ministry.	Noted
(ix)	This Ministry are any competent Authority may stipulate any other additional conations subsequently; any if deemed necessary, for Environmental protection, shall be compiled with.	Noted
(x)	A Copy of clearance letter shall be marked to the concerned agency panchayat/ local/ NGO if any, from whom any suggestions/ representations has been received while processing the proposal.	Complied
(xi)	State Pollution Control Board/ Committee shall display a copy of the clearance letter at District Industry Center, Collector's Office/ Tehsildar's office for thirty days.	Complied
(xii)	The Project Proponent Shall advertises at least 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 .	Complied
(xiii)	The Project Proponents shall inform to Regional office, Bhopal as well as Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of work.	Complied
(xiv)	The Project Proponent will obtain the Forest Clearance for the land passing through the	Complied

GRASIM INDUSTRIES LIMITED, UNIT-INDIAN RAYON, VERAVAL

Sr. No.	Conditions	Reply to Stipulated Conditions
	Reserved Forest Area before commencement of the Project activities in Forest Area.	
(xv)	So as to maintain ecological features and avoid damage to the eco system, movement of Vehicles in the Intertidal zone Shall be restricted to the minimum.	Complied
(xvi)	Budgetary break up for the Environmental Management Plan for the Project to be mentioned.	Same as mentioned in Point No. 5
(xvii)	Any appeal against this Environmental 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.	Not Applicable
4.	The above mentioned stipulations will be 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 th April, 1996 in the Writ Petition No. 1993 to the extent the same are applicable to this proposal.	Being Complied



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,

GANDHINAGAR - 382010,

(T) 079-23232152

RPAD

AMENDMENT OF CONSOLIDATED CONSENT AND AUTHORIZATION CC&A

AWH-141134, Dated: 26/03/2025

NO. GPCB/CCA/JNG -1(36)/ID-17239/

Dated: /04/2025

To,

M/s. Grasim Industries Limited (Unit-Indian Rayon)

Plot No. 1502, 1507, 1511, 1516, 1493,

Veraval-362266

Tal. Veraval, Dist. Gir-Somnath.

Sub : Amendment to Consolidated Consent & Authorization

Ref. : 1. Your CCA Amendment Application Inward No. 329114 dated 10/02/2025.
2. This Board has issued CC&A (AWH-131279) vide letter No: GPCB/CCA/JNG-1(35)/ID-17239/780188 dated: 03/01/2024.
3. This Board has issued CC&A Amendment (W-132384) vide letter no: GPCB/CCA/JNG-1(35)/ID-17239/784706, dated 23/02/2024.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 6 (2) of the Hazardous and Other Waste (Management & Transboundary Movement) Rules 2016 framed under the Environment Protection Act- 1986. Board has issued consent No. AWH-131279 is further amended as under.

1. Condition No. 1.1 of CCA Order no. AWH-131279 dated 27.12.2023 is amended and shall now be read as under:
1.1 The consent under Water Act-1974, Air Act-1981 & Authorization under Environment (Protection) Act, 1986 shall be valid up to 31/12/2028 to operate industrial plant for manufacturing of the following products

Sr. No.	Product	Quantity (MT/Month)
1	Viscose Filament Yarn	2400
2	Sodium Sulphate	2350
3	Sulphuric Acid	3600
4	Sodium Sulphide (100 %)	100
5	Carbon di Sulphide	1000
6	Caustic Soda Lye (100%)	12000
7	Chlorine (100%)	10560
8	Hydrochloric Acid (100%)	1800
9	Sodium Hypo chlorite (100%)	3750
10	Compressed Hydrogen	650000 Nm ³
11	Captive Power Plant	54.5 MW

2 SPECIFIC CONDITION

2.1 Specific Condition No. 2.3 of CCA Order no. AWH-131279 dated 27.12.2023 is amended and shall now be read as under:

1. The Recovery of Sodium Sulphate shall not be less than 60% in Viscose Filament Yarn Unit except production from continuous spun yarn technology

3 CONDITIONS UNDER WATER ACT

3.1 Condition No. 3.1 for water consumption & Wastewater generation of CCA Order no. AWH-131279 dated 27.12.2023 is amended and shall now be read as under:

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>

Outward No: 8594

Sr. No.	Utility	Water Consumption (KL/Day)	Waste Water Generation (KL/Day)
1	Industrial water	14,390	10490
2	Domestic water	1,418	388

3.2 Specific Condition No. 3.2 for quantity of effluent generation of CCA Order no. AWI-131279 dated 27.12.2023 is amended and shall now be read as under:
Quantity of industrial effluent shall not exceed 10490 KL/day.

4 CONDITIONS UNDER AIR ACT

4.1 The process emission through various stack/vent of reactors, process, vessel etc. shall conform to following standards

Stack No.	Stack attached to	Stack height in Meter	APCM	Parameter	Permissible Limit
1	Old Rayon Plant	100 m	Air washers & Exhaust fans		200 Kg/MT of Yarn Production
2	New Rayon Plant	52.5 m	Air washers & Exhaust fans	CS ₂ H ₂ S	30 kg/MT of Yarn Production
3	Caustic Soda flaking unit	34 m		Particulate Matter	
4	Coal Crushing Unit	52 m	Bag Filter		150 mg/m ³
5	Old Sulphuric Acid Plant	30 m	Alkali Scrubber	SO ₂	2 Kg/Ton of 100 % Acid Production
6	New Sulphuric Acid plant	30 m	Alkali Scrubber	Acid Mist	50 mg/Nm ³
7	(Caustic Chlorine Plant) Hypo Plant	34 m	Three Stage Scrubbing System by chilled caustic	Cl ₂	15 mg/Nm ³
8	(Caustic Chlorine Plant) HCl Plant	34 m	Bubble Cap tray followed by packed bed scrubber	HCl vapor & Mist	35 g/Nm ³

5 AUTHORIZATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See rule 6(2)) Form for grant of authorization for occupier or operator handling hazardous waste.

5.1 M/s. Grasim Industries limited Unit-Indian Rayon, is hereby granted an authorization for following hazardous wastes on the premises situated Plot No. 1502, 1507, 1511, 1516, 1493, Veraval-362266, Ta. Veraval, Dist. Gir Somnath.

Sr. No.	Waste Name	Quantity (MT/Annum)	Schedule	Treatment & Disposal
1.	Sulphur Sludge (Acidic)	140	Schedule-I Category No.-17.1	Collection, Storage, Transportation, Disposal at CIWIP of SEPLL, Bhachau, Dist. Kutch for incineration or Pre-processing/ Co-Processing in Cement plant.

Outward No.8516/316/0



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
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2.	Used Oil/Burnt Oil & LDO	60	Schedule-I Category No.-5.1	Collection, Storage, Transportation & disposal by selling to registered recyclers.
3.	Discarded Drums	3000 Nos/ 45 MT	Schedule-I Category No.- 33.11	Collection, Storage, Transportation, Disposal by selling to authorized decontaminated facility.
4.	Cellulose waste (Organic Bio degradable)	130	Schedule-I Category No.-23.1	Collection, Storage, Transportation, Disposal at CTSDF of Safe Environ Projects Ltd., Jambusar or Utilizing in cement plant.
5.	Spent catalyst from H ₂ SO ₄ Plant (Solid)	5.0	Schedule-I Category No.-17.2	Collection, Storage, Transportation, Disposal at CTSDF of Safe Environ Projects Ltd., Jambusar .
6.	Toxic metal containing waste i.e. Spent Resin from DM Plant (Solid)	10	Schedule-I Category No.-35.2	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch for incineration/ Co-Processing in Cement plant.
7.	Oily Cotton Waste	5.0	Schedule-I Category No.-5.2	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch/ Co-Processing in Cement plant.
8.	Exhaust Membrane	2.5	Schedule-I Category No.-36.1	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch for incineration/ Co-Processing in Cement plant.
9.	E-Waste	20	Schedule-IV Category No.-18	Collection, Storage, Transportation, Sale to the authorized E-waste recycler
10.	Used Lead acid battery including grid plates and other lead scrap/ashes/ residues not covered under Batteries (Management and Handling) Rules, 2001.	140	Schedule-IV Category No.-17	Collection, Storage, Transportation, Disposal by Sale or Sent for Recycling to the authorized recycler.
11.	Brine Sludge (Wet Basis)	3650	Schedule-I Category	Collection, Storage, Transportation, Disposal at approved TSDF Site/ Utilizing in Cement plant.

Outward No. 2023/04/2025

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Website : <https://gpcb.gujarat.gov.in>

			No.-16.3	
12.	UTP Sludge (Wet Basis)	14500	Schedule- I Category No.-35.3	Collection, Storage, Transportation, Disposal at approved TSDF Site/ Utilizing in Cement plant.
13.	Asbestos Containing Material and Asbestos Sheets	90	Schedule- II Category No.-B01	Collection, Storage, Transportation, Disposal at approved TSDF site.
14.	Bag filter Clothes	05	Schedule- I Category No.-35.1	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch for incineration/ co-processing.
15.	Glass Wool Insulation	05	Schedule- other Category S2	Collection, Storage, Transportation, Disposal at CTSDF of Safe Environ Projects Ltd., Jambusar.
16.	FRP waste	80	Schedule- I Category No.-23.1	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch for incineration/Co-Processing in Cement plant and allied industries or recycling to authorized recyclers.
17.	Spent Acid	2000	Schedule- II Category No.-B15	Collection, Storage, Transportation, Disposal by Sent to actual user having valid rule-9 permission of Hazardous waste rule-2016.
18.	R.O. membrane	30	Schedule- I Category No.-36.1	Collection, Storage, Transportation, Disposal at approved CHWIF site for incineration/ Co-Processing in Cement plant.

6 The Other Condition of the CC&A (AWH-131279) vide letter No: GPCB/CCA/JNG-1(35)/ID-17239/780188 dated:03/01/2024 shall remain unchanged.

For and on behalf of
Gujarat Pollution Control Board

Smt. M.S. Bhatt
Unit Head, Junagadh

Outward No:859433,16/04/2025



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

BY R.P.A.D

AMENDMENT OF CONSOLIDATED CONSENT AND AUTHORIZATION (C C & A)

W-132348, Dated: 13/02/2024

Date: 23/02/2024

NO. GPCB/CCA/JNG- 1(35)/ID - 17239/780188

To,
M/s. Grasim industries Limited (Unit-Indian Rayon)
Plot No. 1502, 1507, 1511, 1516, 1493,
Veraval-362266
Ta. Veraval, Dist. Gir Somnath.

Sub	:	Amendment to Consolidated Consent & Authorization
Ref	:	<p>1. Your CCA Amendment Application Inward No: 304516 dated 04/01/2024.</p> <p>2. This Board has issued CC&A (AWH-131279) vide letter No: GPCB/CCA/JNG-1(35)/ID-17239/780188 dated: 03/01/2024.</p> <p>3. This Board has issued CTE Amendment vide letter No: GPCB/ID-17239/CCA-JNG-1(29)/526090 dated: 05/11/2019.</p>

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 6(2) of the Hazardous and Other Waste (Management & Transboundary Movement) Rules 2016 framed under the Environment Protection Act- 1986.

The Board has granted CC&A order no.-AWH-131279, issued on 27/12/2023, vide letter no. GPCB/CCA/JNG-1(35)/ID-17239/780188 dated: 03/01/2024 is further amended as under for sea water Intake and Outfall in Arabian Sea of Veraval for reverse Osmosis (RO) Reject from Desalination plant. The validity period shall be up to dated 31/12/2028 for the following

1. **Source of water:** Sea water as well as water from Umrethi Dam.
2. **The sea water Intake and Reject water quantity shall be as under.**

Sr. No	Sea water intake in m ³ /d for Desalination	Reject water in m ³ /d	Disposal Details
1	45,000	27,000	To be discharge in to sea through outfall pipeline

3. The Unit has installed Desalination plant of 12,000 m³/Day capacity and the remaining 6,000 m³/Day will be installed as per the unit's future water requirement.
4. Sea water Intake shall not exceed 45000 m³/Day
5. RO reject water 27000 m³/Day from the desalination plant shall be discharged into sea as per final disposal point decided by NIO via outfall pipeline at selected location for various tidal conditions i.e. 20°54'32.40"N and 70°20'19.60"E.
6. All the conditions stipulated by Forests & Environment Department, Government of Gujarat, vide letter no. ENV-10-2019-126-E (T. Cell), dated. 25/02/2021 shall be strictly implemented for disposal of reject water from sea water reverse osmosis plant through outfall pipeline.
7. The other conditions of the CC&A (AWH-131279) vide letter No: GPCB/CCA/JNG-1(35)/ID-17239/780188 dated: 03/01/2024 shall remain unchanged.

For and on behalf of
Gujarat Pollution Control Board

(Smt. M. S. Bhatt)
Unit Head

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

By R.P.A.D

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)

CCA NO: AWH-131279 Appl Type: CCA-Renewal

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) Act-1981 and Authorization under rule 6 (2) of the Hazardous and Other Waste (Management & Transboundary Movement) Rules 2016 framed under the Environment Protection Act- 1986.

And whereas Board has received Consolidated Consent Application Inward ID No. 289890 dated: 09/11/2023 for the Consolidated Consent and Authorization (CC&A) of this Board under the provisions/rules of the aforesaid acts. Consents & Authorization are hereby granted as under:

CONSENT AND AUTHORIZATION:

(Under the provisions/Rules of the aforesaid environmental Acts)

To,

M/s. Grasim Industries Limited (Unit-Indian Rayon)
Plot No. 1502, 1507, 1511, 1516, 1493,
Veraval-362266,
Tal. Veraval, Dist. Gir-Somnath.

1. Consent Order Number AWH - 131279 Date of issue: 27/12/2023

1.1 The consent under Water Act-1974, Air Act-1981 & Authorization under Environment (Protection) Act, 1986 shall be valid up to 31/12/2028 to operate industrial plant for manufacturing of the following products.

Sr. No.	Products	Quantity MT/Month
1.	Viscose Filament Yarn	1950
2.	Sodium Sulphate	2050
3.	Sulphuric Acid	3600
4.	Sodium Sulphide (100 %)	100
5.	Carbon di sulphide	1000
6.	Caustic Soda Lye (100%)	12000
7.	Chlorine (100%)	10560
8.	Hydrochloric Acid (100%)	1800
9.	Sodium Hypo chlorite (100%)	3750
10.	Compressed Hydrogen	650000Nm ³
11.	Captive Power Plant	54.5 MW

2. **SPECIFIC CONDITIONS:**

2.1 The applicant shall not produce any products as well as not carry out any activities for products/process listed in the EIA Notification dated:-14/09/2006 as amended from time to time is requiring prior Environmental Clearance from the competent authority.

2.2 Applicant shall strictly comply/fulfill with All the conditions stipulated by Ministry of Environment, Forests & Climate Change, Government of India their per Letter No. J-11011/343/2013-IA II (I) dated 22 June 2015 shall be strictly implemented.

2.3 The recovery of Sodium Sulphate shall not be less than 60 % in Viscose Filament Yarn Unit

2.4 Unit shall sell out their hazardous waste to authorized end-users who are having authorization with valid CCA and rule-9 permission to receive this waste. Unit shall make MoU with such authorized end-users and submit MoU.

- 2.5 Unit shall strictly follow the solid fuel guideline framed by Board and shall install APCM as per Guideline.
- 2.6 Unit shall follow coal-handling guideline framed by Board and provide close ash handling facility.
- 2.7 Unit shall install Online Continuous Emission Monitoring System (CEMS) and link it with the server of GPCB for real time data transfer for boiler more than 8 TPH capacities or equivalent capacity of TFH.
- 2.8 Unit shall Provide APCM with solid fuel fire utility for SO₂ control and comply all conditions as per GPCB office order dated :-03.06.2021.
- 2.9 Total control of Odour nuisance from the plant premises shall be achieved & maintained by the applicant continuously.

3. CONDITIONS UNDER THE WATER ACT:

- 3.1 The water consumption and waste water generation shall be as under

WATER CONSUMPTION		WASTE WATER GENERATION	
	KLPD		KLPD
Industrial	14020		12322
Domestic	1448		388

- 3.2 Quantity of the industrial effluent shall not exceed 12322 KI/Day.

- 3.3 The quantity of sewage effluent from the factory shall not exceed 388 KI/Day.

Trade Effluent

- 3.4 The quality of the treated effluent as per GPCB norms mentioned in column 2

PARAMETER	GPCB NORMS
pH	6.0 to 8.5
Temperature	45° C
Colour (pt.co.Scale)	100 units
Suspended Solids	100 mg/l
Oil and Grease	10 mg/l
BOD (5 days at 20 C)	100 mg/l
COD	250 mg/l
Zinc	15 mg/l

Note: The recovery of Sodium Sulphate shall not be less than 60 % in Viscose Filament Yarn Unit.

If the COD of the treated effluent is more than 250 mg/l, industry is required to identify chemicals causing the same in case these are to be toxic as defined in the hazardous chemical rules -1989 (Schedule-I) industry shall have to install tertiary treatment system within the month from date of such directions.

- 3.5 The permissible limit of COD in condition No 3.4 above has been fixed on the following grounds:
 - (A) Grasim Industries Limited, Unit - Indian Rayon is an integrated plant manufactures various products such as sulphuric acid, caustic soda, power and sulphuric acid etc. along with viscose filament Yarn.
 - (B) Plants other than viscose filament Yarn products effluent which would have less BOD in effluent compare to effluent to give benefits of dilutions to the effluent generated.
 - (C) Standards for viscose filament yarn as laid down in Gazette of India dated 09.11.2018 for Ind. Specific Standards doe BOD is 100 mg/L.
- 3.6 The effluent conforming to the above standards shall be discharged into sea through close Marine Pipeline.
- 3.7 All the conditions stipulated by Ministry of Environment & Forests, Government of India vide letter No.11-80/2008-IA-III dtd.20/10/2008 shall be strictly implemented for laying a pipeline for disposed of treated effluent in the coastal environmental of Arabian Sea off Veraval Coast.
- 3.8 All the conditions stipulated by Ministry of Environment & Forests, Government of India vide letter No.11-14/2021-IA-III dtd.17/06/2021 shall be strictly implemented for laying of sea water intake and outfall in the Arabian sea for Reverse Osmosis reject from Desalination plant at Veraval Gujarat.
- 3.9 All the conditions stipulated by Ministry of Environment & Forests, Government of India their letter No. F No-J-11011/382/2008-IA II (I) dt: 02/08/2011 shall be strictly implemented.
- 3.10 All the conditions stipulated Ministry of Environment & Forests, Government of India their letter No. F No-J-11011/445/2008-IA II (I) dt: 18/07/2008 shall be strictly implemented.

W.S.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
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- 3.11 All the conditions stipulated by Forests & Environment Department of, Government of Gujarat their letter No ENV-10/2008-1177 -E dtd.06/10/2008 shall be strictly implemented for proposed treated effluent disposal pipeline.
- 3.12 All the conditions stipulated by Forests & Environment Department of, Government of Gujarat their letter No ENV-10/2019-126-E(T.cell), dtd.25/02/2021 shall be strictly implemented for proposed treated effluent disposal pipeline
- 3.13 All the effluent treatment units shall be operated and maintained efficiently so that the treated effluent always conforms to the specifications referred in condition no.3.4 above.
- 3.14 Sewage shall be treated in STP and it shall conform to following standards and treated sewage shall be used for plantation and gardening on own land within in premises and for cooling tower.

Sr. No	Parameters	Permissible Limit
1.	pH	6.5-9.0
2.	BOD	Less than 30 mg/l
3.	Total Suspended Solid	Less than 100 mg/l
4.	Oil & Grease	Less than 10 mg/l
5.	Fecal Coliform Most probable number per 100 ml (MPN/100ml)	Less than 1000 mg/l

- 3.15 In order to enable the Board to perform its functions of ascertaining the standards of effluent laid down by it for the discharge of the effluent under the condition no. 3.4 of this order are complied with by the Company while causing discharge of effluent, the applicant shall have to submit every month the analysis report of the samples of effluent to be collected and analyzed by one of the laboratories recognized by the State Board.

PENALTY PROVISIONS: If the applicant fails to comply with the conditions and other directives issued by this Board as laid down in this order, the applicant is liable for prosecution under Section 43 & 44 and other penal provisions of the Act and shall on conviction, be liable for punishment and imprisonment as provided in the said Act.

4. CONDITIONS UNDER THE AIR ACT:

- 4.1 The following shall be used as fuel:

Sr.	Fuel	Total
1.	Coal cum Lignite	45 MT/Hr
2.	HCV Coal	3.5 MT/Hr
3.	Agro waste Cum Briquette	5400 MT/Year
4.	L.D.O	57 KL/Day
5.	Hydrogen	375 m3/MT

- 4.2 The flue gas emission through stack shall conform to the following standards:

Stack No.	Stack attached to	Stack Height in Meter	Air Pollution Control System	Parameter	in Limit	Permissible
1.	Boiler No. 1&2 (Old Power Plant)	122 m	ESP	Particulate Matter	100 mg/Nm ³	
2.	Boiler No- 4 (Removed)	31 m	Bag filter, Cyclone	SO ₂ NO _x	600 mg/Nm ³	600 mg/Nm ³

3.	Boiler No. 3(New Power Plant)	122 m	ESP	Particulate Matter SO ₂ NO _x Mercury (Hg)	50 mg/Nm ³ 600 mg/Nm ³ 300 mg/Nm ³ 0.03 mg/Nm ³
4.	Boiler No.- 5 (105 TPH) (connection hooked up into existing new chimney)	122 m	ESP (Lime dosing system CFBC)	Particulate Matter SO ₂ NO _x Mercury (Hg)	30 mg/Nm ³ 100 mg/Nm ³ 100 mg/Nm ³ 0.03 mg/Nm ³
5.	D.G Sets (2270 KVA)(6 Nos.) (Removed)	40m	Acoustic enclosure	Particulate Matter SO ₂	150 mg/NM3
6.	D.G Sets (1450 KVA)(2 Nos.) (Removed)	11m	Acoustic enclosure	NO _x	100 ppm 50 ppm
7.	D.G Sets (750 KVA)(4 Nos.) (Installed)	11m	Acoustic enclosure		
8.	D.G Sets (1500 KVA)(1 Nos.) (Existing)	30 m	Acoustic enclosure		

4.3 The process emission through various stack/vent of rectors, process, vessel etc. shall conform to following standards:

Stack No.	Stack attached to	Stack height in Meter	Air pollution control system	Parameter	Permissible Limit
1.	Old Rayon Plant	52.5	Air washers & Exhaust Fans	CS2 H2S	200 Kg/MT of Yarn Production
2.	New Rayon Plant		Air washers & Exhaust Fans		30 kg/MT of Yarn Production
3.	Caustic Soda flaking unit	34	Bag Filter	Particulate Matter	150 mg/m ³
4.	Coal Crushing Unit	52			
5.	Old Sulphuric Acid Plant	30	Alkali Scrubber	SO ₂	2 Kg/Ton of 100 % Acid Production
				Acid Mist	50 mg/Nm ³
6.	New Sulphuric Acid plant	30	Alkali Scrubber	SO ₂	2 Kg/Ton of 100 % Acid Production
				Acid Mist	50 mg/Nm ³
7.	(Caustic Chlorine Plant) Hypo Plant	34	Three Stage Scrubbing System by chilled caustic	Cl ₂	15 mg/Nm ³
8.	(Caustic Chlorine Plant) HCl Plant	34	Bubble Cap tray followed by packed bed scrubber	HCl vapor & Mist	35 mg/Nm ³

4.4 Unit shall comply MoEF & CC Notification dated 09.11.2018 for Environmental Standards of Man Made Fibre industry and amendment from time to time.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

4.5 Industry shall have to comply following in pursuant to notification issued by MoEF & CC on 09.11.2018

(A) Uncontrolled Emission Quantities (EQ) of CS₂ shall not exceed

FOR VFY

EQ = 200 KG OF CS₂/T OF FIBER

(B) Stack Height

a) A minimum of 80% total emission estimated above shall pass through stack having height calculated for formula described under at (b). If calculated stack height is less than 30 mt, a minimum height 30 meter shall be provided.

b) Stack Height in Meter

$$H = 11 Q^{0.41} - 3 V_s D/U$$

WHERE Q = CS₂ EMISSION RATE, KG/HR.

V_s=Stack Exit Velocity -m/sec.

D= Diameter of Stack -Meter

U= Annual Average Wind Speed at Top of Stack -m/sec.

c) In Case of Multiple Stack

(1) All stack carrying CS₂ emission shall be same height based on maximum emission rate.

(2) Number of stack shall be increased from the existing number. However, the number of stack may be reduced. The existing stack may be rebuilt and if stack are to be relocated, condition no.3 below applies.

(3) Spacing among the stacks (x) at the minimum shall be 3.0 H (in mt.) if the distance, X between two stack is less than 3.0 H (in mt) emission both stack shall be calculated considering all emission is going through one stack.

d) Ambient Air Quality Monitoring

Industry shall install three air quality monitoring station for CS₂ and H₂S measurement in consultation with this board to ensure following ambient air norms on 24 hour average basis.

CS₂= 100 $\mu\text{g}/\text{M}^3$

H₂S= 150 $\mu\text{g}/\text{M}^3$

4.6 Ambient Air quality within and outside the premises of the unit shall confirm National Ambient Air Quality standards Notified by MoEF vide notification dated 16/11/2009 and mainly to the following standards.

Parameter	Permissible Limit (Microgram/M ³)	
	Annual	24 Hours
Particulate Matter (Size Less than 10 μm) or PM ₁₀	60	100
Particulate Matter (Size Less than 2.5 μm) PM _{2.5}	40	60
Oxides of Sulphur (SO _x)	50	80
Oxides of Nitrogen (NO _x)	40	80
HCl	200 Microgram/M ³	
Cl ₂	100 Microgram/M ³	

- Annual arithmetic mean of minimum 104 measurements in a year at particular site taken twice a week 24 hourly at uniform intervals.
- 24 hourly 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed te limits but not on two consecutive days monitoring.
- Note: - whenever and whenever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation.

4.7 Unit shall operate industrial plant/Air pollution control equipment very efficiently and continuously so that the gaseous emission always confirms to the standards specified in conditions as above..

4.8 D.G Set standards: - The flue gas emission through stack attached to D.G Set shall conform to the following standards

- a. The minimum height of stack provided with each of the generator set shall be $H = h + 0.2$ (KVA) 1/2, where H=Total stack height in meter, h= height of the building in meter where or by the side of which the generator set is installed.
- b. Noise from D.G. Set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.
- c. The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/ acoustic treatment. Under such circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time).The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.
- d. The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB (A).
- e. All efforts shall be made to bring down the noise level due to the D.G. Set, outside the premises within the ambient noise requirements by proper sitting and control measure.
- f. Installation of D.G. Set must be strictly in compliance with the recommendations of the D.G. Set manufacturer.
- g. A proper routine and preventive maintenance procedure for D.G. Set should be set and followed in consultation with the D.G. Set manufacture which would help prevent noise level of the D.G. Set from deteriorating with use The applicant shall provide portholes, ladder, platform etc. at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by number(s) such as S-1, S-2, etc. and these shall be painted / displayed to facilitate identification.

4.9 The applicant shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified in condition no. 4.3, 4.4 and 4.6 above.

4.10 The consent to operate the industrial plant shall lapse at any time if the concentration in the ambient air is not within the tolerance limits specified in the condition no. 4.3, 4.4 and 4.6

4.11 The applicant shall provide portholes, ladder, platform etc at chimney {s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/displayed to facilitate identification.

4.12 The Industry shall take adequate measures for control of noise levels from its own Sources within the premises so as to maintain ambient air quality standards in respect of Noise to less than 75dB (a) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

4.13 The applicant shall operate air pollution control equipment very efficiently and continuously so that the gases emission always conforms to the standards specified in condition No.4.2, 4.3 and 4.6 above.

4.14 The consent to operate the industrial plant shall lapse if at any time any conditions of this consent order are not complied with OR parameters of the gaseous emission are not within the tolerance limits specified in the condition no. 4.2, 4.3 and 4.6 above.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
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4.15 The applicant shall at his own cost get samples of emissions collected and analyzed from an approved laboratory once in three months for the parameters indicated in condition no. 4.2, 4.3 and 4.6 and shall submit in duplicate the report thereof to the Board by the 10th of the succeeding month. The applicant shall also maintain records of the analytical results properly and shall keep these records/charts open for inspection.

PENALTY PROVISIONS: - If the applicant fails to comply with the conditions of this order and other directives issued by the Board he is liable for prosecution under Section 37, 38, 39 and other penal provisions of the Act.

5. **AUTHORIZATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES**
Form-2 (See rule 6(2)) Form for grant of authorization for occupier or operator handling hazardous waste.

5.1 M/s. Grasim Industries limited Unit-Indian Rayon, is hereby granted an authorization for following hazardous wastes on the premises situated Plot No. 1502, 1507, 1511, 1516, 1493, Veraval-362266, Ta. Veraval, Dist. Gir Somnath.

Sr. No.	Waste Name	Quantity (MT/Annum)	Schedule	Treatment & Disposal
1.	Sulphur Sludge (Acidic)	140	Schedule-I Category No.- 17.1	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch for incineration.
2.	Used Oil/Burnt Oil & LDO	60	Schedule-I Category No.- 5.1	Collection, Storage, Transportation & disposal by selling to registered recyclers
3.	Discarded Drums	3000 Nos / 45 MT	Schedule-I Category No.- 33.11	Collection, Storage, Transportation, Disposal by selling to authorized decontaminated facility.
4.	Cellulose waste (Organic Bio degradable)	130	Schedule-I Category No.- 23.1	Collection, Storage, Transportation, Disposal at CTSDF of Safe Environ Projects Ltd., Jambusar or Utilizing in cement plant and allied industries.
5.	Spent catalyst from H ₂ SO ₄ Plant (Solid)	5.0	Schedule-I Category No.- 17.2	Collection, Storage, Transportation, Disposal by authorized/authorized actual users CTSDF of Safe Environ Projects Ltd., Jambusar .
6.	Toxic metal containing waste i.e. Spent Resin from DM Plant (Solid)	2.5	Schedule-I Category No.- 35.2	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch for incineration.
7.	Oily Cotton Waste	1.5	Schedule-I Category No.- 5.2	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch./Co-Processing in Cement plant and allied industries
8.	Exhaust Membrane	2.5	Schedule-I Category No.- 36.1	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch for incineration/Co-Processing in Cement plant and allied industries

9.	E-Waste	20	Schedule-IV Category No.-18	Collection, Storage, Transportation, Sale to the authorized E-waste recycler
10.	Lead Acid Battery plates and other Led Scrap not covered under Batteries Rules2001	40	Schedule-IV Category No.-17	Collection, Storage, Transportation, Disposal by Sale to the authorized recycler
11.	Brine Sludge (Wet Basis)	3650	Schedule-I Category No.-16.3	Collection, Storage, Transportation, Disposal at approved TSDF Site/ Utilizing in Cement plant and allied industries.
12.	ETP Sludge (Wet Basis)	14500	Schedule-I Category No.-35.3	Collection, Storage, Transportation, Disposal at approved TSDF Site/ Utilizing in Cement plant and allied industries.
13.	Asbestos Containing Material and Asbestos Sheets	90	Schedule-II Category No.-B01	Collection, Storage, Transportation, Disposal at approved TSDF site.
14.	Bag filter Clothes	05	Schedule-I Category No.-35.1	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL , Bhachau, Dist. Kutch for incineration/co-processing
15.	Glass Wool Insulation	05	Schedule- other Category S2	Collection, Storage, Transportation, Disposal at CTSDF of Safe Environ Projects Ltd., Jambusar.
16.	FRP waste	80	Schedule-I Category No.-23.1	Collection, Storage, Transportation, Disposal at CHWIF of SEPPL, Bhachau, Dist. Kutch for incineration/Co-Processing in Cement plant and allied industries.
17.	Spent Acid	2000	Schedule-II Category No.-B15	Collection, Storage, Transportation, Disposal by Sent to actual user having valid rule-9 permission of Haz waste rule-2016.
18.	R.O. membrane	10	Schedule-I Category No.-36.1	Collection, Storage, Transportation, Disposal at approved CHWIF site for incineration/Co-Processing in Cement plant and allied industries.

5.2 The authorization is granted to operate a facility for collection, storage within factory premises, transportation, incineration and ultimate disposal of Hazardous wastes at CTSDF, CHWIF and authorized recyclers.

5.3 The authorization shall be in force for a period of Five Years from the date of application.

5.4 The authorization shall be in force for a period up to **31/12/2028**.

5.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

5.6 SUBJECT TO THE FOLLOWING SPCIFIC CONDITIONS UNDER HAZ RULE:-

- 5.6.1. Toxic Metal containing waste should be disposed only after & Encapsulation and compliance of toxicity test.
- 5.6.2. Cellulose waste shall be disposed by Co-incineration in the cement kiln of Ambuja, Kovaya and/or UCL, Kovaya/Amerli & unit shall have maintained separate record of it.
- 5.6.3. Unit shall carry out analysis of ETP waste every month & Submit its report to the board specifically with reference to zinc concentration and if it is found beyond prescribed limit, it shall be disposed of at CTSDF

6. TERMS AND CONDITIONS OF AUTHORIZATION:

6.1 The applicant shall comply with the provisions of the Environment (Protection) Act - 1986 and the rules made there under.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
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- 6.2 The authorization shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.
- 6.3 The persons authorized shall not rent, lend, sell, and transfer of otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.
- 6.4 Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a breach of this authorization.
- 6.5 An application for the renewal of an authorization shall be made as laid down in rule 5 (6) (ii)
- 6.6 It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
- 6.7 Management of solid waste generated from industrial activities shall be as per Solid Waste Management Rules-2016 (Solid Waste as defined in Rule-3(46)).
- 6.8 Industry shall submit annual report within 15 days and sub squinty by 30th June every year.

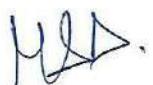
7. **GENERAL CONDITIONS:**

- 7.1 Any change in personnel, equipment or working conditions as mentioned in the consents form/order should immediately be intimated to this Board.
- 7.2 The waste generator shall be totally responsible for i.e. collection, storage, encapsulation, incineration treatment, transportation and ultimate disposal) of the wastes generated.
- 7.3 Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form – 4 by 30th June of every year.
- 7.4 In case of any accident, details of the same shall be submitted in Form - 11 to Gujarat Pollution Control Board.
- 7.5 As per "Public Liability Insurance Act - 91 "company shall get Insurance Policy, if applicable.
- 7.6 Empty drums and containers of toxic and hazards material shall be treated as per guideline published for "Management & Handling of discarded containers". Record of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
- 7.7 In no case any kind of hazardous waste shall be imported without prior approval of appropriate authority.
- 7.8 In case of transport of hazardous wastes to a facility for (i.e. treatment, storage and disposal) existing in a State other than the State where hazardous wastes are generated, the occupier shall obtain 'No Objection Certificate' from the State Pollution Control Board or Committee of the concerned State or Union territory Administration where the facility exists.
- 7.9 Unit shall take all concrete measures to show tangible results in waste generation, reduction, avoidance, reuse and recycle. Action taken in this regards shall be submitted within three months and along with Form-4.
- 7.10 Industry shall have to display the relevant information with regard to hazardous waste as indicated in the Courts Order in W.P. No.657 of 1995-dated 14th October-2003.
- 7.11 Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emissions and solid hazardous wastes generated within factory premise.
- 7.12 Whenever due to accident or other unforeseen act or ever, such emissions occur or is apprehended to occur in excess of standards laid down such information shall be forthwith reported to Board, Concerned Police Station, Office of Directorate of Health Service, Department of Explosives, Inspectorate of Factories and local body. In case of failure of pollution control equipments, the production process connected to it shall be stopped. Remedial actions/measures shall be implemented immediately to bring entire situation normal.
- 7.13 In order to enable the board to perform its functions of ascertaining the standards of effluent laid down by it for the discharge of the effluent under the condition no 3.4 of this order are complied with by the company while causing discharge of effluent, the applicant shall have to submit every

month the analysis report of the samples of effluent got collected and analyzed by one of the laboratories recognized by the state Board.

- 7.14 The Board reserves the right to review and/or revoke the consent and/or make variations in the conditions, which the Board deems, fit in accordance with Section 27 of the Act.
- 7.15 In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.
- 7.16 The Environmental Management Unit / Cell shall be set up to ensure implementation on and monitoring of environmental safeguards and other conditions stipulated by statutory authorities The Environmental Management Cell / Unit shall directly report to the Chief Executive of the organization and shall work as a focal point for internalizing environmental issues. These cells/units also coordinate the exercise of environmental audit and preparation of environmental statements.
- 7.17 The Environmental Audit shall be carried out yearly and the environmental statements pertaining to the previous year shall be submitting to this State Board latest by 30th September every year.
- 7.18 The consent to operate the industrial plant shall lapse if at any time the any conditions of this consent order is not complied with or any parameters of the liquid effluent are not within the tolerance limit specified in the condition no.3.4 above.
- 7.19 Industry shall have to obtain CRZ clearance if applicable & submit to this Board.

**For and on behalf of
Gujarat Pollution Control Board**


(Smt. M.S. Bhatt)
Unit Head

No. GPCB/CCA/JNG-1(35)/ID- 17239/780188

Dated: 03 /01/2024

Issued To:

M/s. Grasim Industries Limited (Unit-Indian Rayon)
Plot No. 1502, 1507, 1511, 1516, 1493 Veraval-362266
Tal. Veraval, Dist. Gir-Somnath

GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON

VERAVAL.

STACK MONITORING REPORT

Month : APRIL - 2025

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2	Kg/MT of 100 % H ₂ SO ₄	15-04-2025	29-04-2025
		Acid Mist	mg/Nm ³	0.87	0.28
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H ₂ SO ₄	15-04-2025	29-04-2025
		Acid Mist	mg/Nm ³	0.47	0.78
3	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	BOILER NO. - 1 & 2 RUN FROM 24-04-2025 to 30-04-2025	
		SOX	mg/Nm ³	29-04-2025	
4	New Power Plant (Boiler No. 3 & 5)	NOX	mg/Nm ³	49.10	
		SPM	mg/Nm ³	466.36	
5	New Power Plant (Boiler No. 5)	SOX	mg/Nm ³	9.59	
		SOX	mg/Nm ³	09-04-2025	21-04-2025
6	Coal Crushing Unit	SPM	mg/Nm ³	99.56	28.40
		SPM	mg/Nm ³	311.78	8.46
7	(a) Old	CS2 Emission	Kg/ton of yarn	09-04-2025	21-04-2025
		H2S Emission	Kg/ton of yarn	139.8	83.84
		CS2 Emission	Kg/ton of yarn	18.8	
7	(b) New	H2S Emission	Kg/ton of yarn	07-04-2025	30-04-2025
		CS2 Emission	Kg/ton of yarn	76.9	67.4
		H2S Emission	Kg/ton of yarn	13.8	13.2
7	(c) New (100 mtr.)	CS2 Emission	Kg/ton of yarn	07-04-2025	30-04-2025
		H2S Emission	Kg/ton of yarn	41.3	61.0
		CS2 Emission	Kg/ton of yarn	7.0	6.9
8	Hypochlorite Stack.	Cl ₂	mg/Nm ³	15-04-2025	30-04-2025
		Cl ₂	mg/Nm ³	0.230	0.236
9	HCL Plant Stack	HCL Vapour & Mist	mg/Nm ³	15-04-2025	30-04-2025
		Chlorine	mg/Nm ³	4.88	4.95
				0.460	0.430

BDL = Below detectable limit

GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON

VERAVAL.

STACK MONITORING REPORT

Month : MAY - 2025

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2 Acid Mist	Kg/MT of 100 % H ₂ SO ₄ mg/Nm ³	07-05-2025 0.19 49.0	23-05-2025 0.27 36.8
2	Sulphuric Acid Plant. (SCSA)	SO2 Acid Mist	Kg/MT of 100 % H ₂ SO ₄ mg/Nm ³	07-05-2025 0.64 42.90	23-05-2025 0.44 49.00
3	Old Power Plant (Boiler No. 1 & 2)	SPM SOX NOX	mg/Nm ³	BOILER NO. - 1 RUN ON 03-05-2025	
				03-05-2025 38.90 534.48 8.65	
4	New Power Plant (Boiler No. 3 & 5)	SPM SOX NOX	mg/Nm ³	08-05-2025 27.80 385.14 7.90	27-05-2025 22.40 489.94 7.14
5	New Power Plant (Boiler No. 5)	SOX	mg/Nm ³	08-05-2025 96.94	27-05-2025 89.08
6	Coal Crushing Unit	SPM	mg/Nm ³	13-05-2025 86.70	
7	Rayon Process Stack. (a) Old	CS2 Emission H2S Emission	Kg/ton of yarn Kg/ton of yarn	14-05-2025 144.4 18.2	
	(b) New	CS2 Emission H2S Emission	Kg/ton of yarn Kg/ton of yarn	14-05-2025 57.1 7.0	31-05-2025 56.8 12.3
	(c) New (100 mtr.)	CS2 Emission H2S Emission	Kg/ton of yarn Kg/ton of yarn	14-05-2025 69.5 10.5	31-05-2025 88.1 12.3
8	Hypochlorite Stack.	Cl ₂	mg/Nm ³	15-05-2025 0.240	30-05-2025 0.230
9	HCL Plant Stack	HCL Vapour & Mist Chlorine	mg/Nm ³ mg/Nm ³	15-05-2025 4.65 0.500	30-05-2025 4.68 0.490

BDL = Below detectable limit

GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON

VERAVAL.

STACK MONITORING REPORT

Month : JUNE - 2025

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2 Acid Mist	Kg/MT of 100 % H ₂ SO ₄ mg/Nm ³	13-06-2025 0.24 42.9	24-06-2025 0.15 24.5
2	Sulphuric Acid Plant. (SCSA)	SO2 Acid Mist	Kg/MT of 100 % H ₂ SO ₄ mg/Nm ³	13-06-2025 0.59 49.00	24-06-2025 0.70 42.90
3	Old Power Plant (Boiler No. 1 & 2)	SPM SOX NOX	mg/Nm ³ mg/Nm ³ mg/Nm ³	14-06-2025 56.7 537.10 7.90	
4	New Power Plant (Boiler No. 3 & 5)	SPM SOX NOX	mg/Nm ³ mg/Nm ³ mg/Nm ³	05-06-2025 30.80 552.82 6.58	30-06-2025 23.00 584.26 7.52
5	New Power Plant (Boiler No. 5)	SOX	mg/Nm ³	05-06-2025 94.32	30-06-2025 99.56
6	Coal Crushing Unit	SPM	mg/Nm ³	06-06-2025 96.80	
	Rayon Process Stack. (a) New (b) New (100 mtr.)	CS2 Emission H2S Emission CS2 Emission H2S Emission	Kg/ton of yarn Kg/ton of yarn Kg/ton of yarn Kg/ton of yarn	14-06-2025 86.4 12.0 14-06-2025 44.2 8.3	20-06-2025 77.4 11.9 20-06-2025 44.2 7.4
8	Hypochlorite Stack.	Cl ₂	mg/Nm ³	13-06-2025 0.210	30-06-2025 0.220
9	HCL Plant Stack	HCL Vapour & Mist Chlorine	mg/Nm ³ mg/Nm ³	13-06-2025 4.55 0.440	30-06-2025 4.65 0.498

BDL = Below detectable limit

GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON

VERAVAL.

STACK MONITORING REPORTMonth : JULY - 2025

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2 Acid Mist	Kg/MT of 100 % H ₂ SO ₄ mg/Nm ³	11-07-2025	25-07-2025
				0.15 36.8	0.19 24.5
2	Sulphuric Acid Plant. (SCSA)	SO2 Acid Mist	Kg/MT of 100 % H ₂ SO ₄ mg/Nm ³	11-07-2025	25-07-2025
				0.22 42.90	0.93 49.00
3	Old Power Plant (Boiler No. 1 & 2)	SPM SOX NOX	mg/Nm ³ mg/Nm ³ mg/Nm ³	05-07-2025	
				49.8 518.76 9.78	
4	New Power Plant (Boiler No. 3 & 5)	SPM SOX NOX	mg/Nm ³ mg/Nm ³ mg/Nm ³	11-07-2025	23-07-2025
				29.70 555.44 8.84	31.90 589.50 8.46
5	New Power Plant (Boiler No. 5)	SOX	mg/Nm ³	11-07-2025	23-07-2025
6	Coal Crushing Unit	SPM	mg/Nm ³	81.22	99.56
	Rayon Process Stack. (a) New	CS2 Emission H2S Emission	Kg/ton of yarn Kg/ton of yarn	07-07-2025	93.70
				73.6 11.0	80.7 7.4
	(b) New (100 mtr.)	CS2 Emission H2S Emission	Kg/ton of yarn Kg/ton of yarn	10-07-2025	22-07-2025
				30.9 5.5	22.4 6.5
8	Hypochlorite Stack.	Cl ₂	mg/Nm ³	12-07-2025	23-07-2025
9	HCL Plant Stack	HCL Vapour & Mist Chlorine	mg/Nm ³ mg/Nm ³	0.210 4.62 0.460	0.230 7.18 0.840

BDL = Below detectable limit

GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON

VERAVAL.

STACK MONITORING REPORT

Month : AUGUST - 2025

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2	Kg/MT of 100 % H ₂ SO ₄	07-08-2025	30-08-2025
		Acid Mist	mg/Nm ³	0.10	0.10
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H ₂ SO ₄	07-08-2025	30-08-2025
		Acid Mist	mg/Nm ³	0.54	0.56
3	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	BOILER NO. - 1 & 2 STOPPED SINCE	
		SOX	mg/Nm ³	25-07-2025	
4	New Power Plant (Boiler No. 3 & 5)	NOX	mg/Nm ³	09-08-2025	27-08-2025
		SPM	mg/Nm ³	30.90	28.90
5	New Power Plant (Boiler No. 5)	SOX	mg/Nm ³	547.58	518.76
		NOX	mg/Nm ³	9.78	9.21
6	Coal Crushing Unit	SPM	mg/Nm ³	09-08-2025	27-08-2025
		SOX	mg/Nm ³	96.94	89.08
7	Rayon Process Stack. (a) New	CS2 Emission	Kg/ton of yarn	11-08-2025	22-08-2025
		H2S Emission	Kg/ton of yarn	122.4	155.2
		CS2 Emission	Kg/ton of yarn	16.3	16.2
		H2S Emission	Kg/ton of yarn	06-08-2025	22-08-2025
8	Hypochlorite Stack.	(b) New (100 mtr.)	Kg/ton of yarn	101.9	131.2
			Kg/ton of yarn	23.2	24.3
9	HCL Plant Stack	Cl ₂	mg/Nm ³	02-08-2025	17-08-2025
		HCL Vapour & Mist	mg/Nm ³	0.280	0.248
		Chlorine	mg/Nm ³	0.496	0.460
			mg/Nm ³	4.32	4.56

BDL = Below detectable limit

GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON

VERAVAL.

STACK MONITORING REPORT

Month : SEPTEMBER - 2025

Sr.no.	Stack Location.	Type of pollutant.	Unit	Analysis Result	
				Sampling Date	Sampling Date
1	Sulphuric Acid Plant. (DCDA)	SO2	Kg/MT of 100 % H ₂ SO ₄	12-09-2025	25-09-2025
		Acid Mist	mg/Nm ³	0.16	0.16
2	Sulphuric Acid Plant. (SCSA)	SO2	Kg/MT of 100 % H ₂ SO ₄	12-09-2025	25-09-2025
		Acid Mist	mg/Nm ³	0.44	0.40
3	Old Power Plant (Boiler No. 1 & 2)	SPM	mg/Nm ³	BOILER NO. - 1 & 2 STOPPED SINCE	
		SOX	mg/Nm ³		

	(Boiler No. 1 & 2)	NOX	mg/Nm ³	25-07-2025	
4	New Power Plant (Boiler No. 3 & 5)	SPM SOX NOX	mg/Nm ³ mg/Nm ³ mg/Nm ³	13-09-2025 25.80 393.0 7.90	27-09-2025 28.90 489.94 9.78
5	New Power Plant (Boiler No. 5)	SOX	mg/Nm ³	13-09-2025 99.56	27-09-2025 94.32
6	Coal Crushing Unit	SPM	mg/Nm ³	12-09-2025 98.70	
	Rayon Process Stack. (a) New (b) New (100 mtr.)	CS2 Emission H2S Emission	Kg/ton of yarn Kg/ton of yarn	02-09-2025 185.1 25.5	17-09-2025 146.8 21.7
				02-09-2025 117.9 14.4	17-09-2025 105.0 22.4
8	Hypochlorite Stack.	Cl2	mg/Nm ³	14-09-2025 0.230	30-09-2025 0.240
9	HCL Plant Stack	HCL Vapour & Mist Chlorine	mg/Nm ³ mg/Nm ³	14-09-2025 4.62 0.500	30-09-2025 4.86 0.700

BDL = Below detectable limit



TC-13450



KADAM LABS PRIVATE LIMITED

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/01 (ULR- TC134502500017523F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25SE01	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sampling Location: New Power Plant (Boiler 3 & 5)
6.	Sampling Time: 10:20 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed ✓	Thimble: Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: New Power Plant (Boiler 3 & 5)
2.	Height	m	: 122
3.	Diameter	mm	: 6500
4.	Temperature	°c	: 140
5.	Velocity	m/s	: 8.26
6.	Type of fuel used		: 30% Lignite + 70% Imported Coal
7.	Quantity of fuel used	MT/hr	: 14

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Particulate Matter	mg/Nm ³	: 27	As per Remark	IS 11255 (Part-I)
2.	Sulphur Dioxide(SO ₂)	mg/Nm ³	: 88.09		IS 11255 (Part-II)
3.	Oxides of Nitrogen (NOx)	mg/Nm ³	: 19.73		IS 11255 (Part-7)
4.	CO	mg/Nm ³	: 45.96		LAB-SOP-093, Issue No 01

Remark : Specification for Boiler 3 – PM-50,SO2-600,NOx-300/Boiler 5 - PM-30,SO2-100,NOx-100

Authorized By - Sapana Amin

Name : Sapana Amin	Designation : Lab Incharge
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NOTE:

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- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/02 (ULR- TC134502500017524F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 - 017OC25SE02	3.	Client Representative: Mr.Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sampling Location: Coal Mill
6.	Sampling Time: 11:00 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed	Thimble: Packed <input checked="" type="checkbox"/>	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Coal Mill
2.	Height	m	: 52
3.	Diameter	mm	: 600
4.	Temperature	°C	: 29
5.	Velocity	m/s	: 10.11
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Particulate Matter	mg/Nm ³	: 78	150	IS 11255 (Part-I)

Remark :

Authorized By -

Name : Sapana Amin	Designation : Lab Incharge
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- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



TC-13450

KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/03 (ULR- TC134502500017525F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25SE03	3.	Client Representative: Mr.Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location: DG Set-1 (750 KVA)
6.	Sampling Time: 16:10 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed <input checked="" type="checkbox"/>
17.	Bladder: Clamped		
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

<u>S.No.</u>	<u>Parameters</u>	<u>Unit (SI)</u>		<u>Description</u>
1.	Source		:	DG Set-1 (750 KVA)
2.	Height	m	:	-
3.	Diameter	mm	:	-
4.	Temperature	°c	:	112
5.	Velocity	m/s	:	12.37
6.	Type of fuel used		:	Diesel
7.	Quantity of fuel used		:	-

TEST RESULTS

<u>S. No.</u>	<u>Parameters</u>	<u>Unit (SI)</u>	<u>Results</u>	<u>Specification/SPCB Norms/BIS Standards</u>	<u>Method Used</u>
1.	Particulate Matter	mg/Nm ³	:	49	150
2.	Sulphur Dioxide (SO ₂)	ppm	:	15.22	100
3.	Oxides of Nitrogen (NOx)	ppm	:	13.77	50

Remark :

Authorized By - Shivam

Name : Sapana Amin **Designation : Lab Incharge**

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2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



TC-13450



KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/04 (ULR- TC134502500017526F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 - 017OC25SE04	3.	Client Representative: Mr.Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location: DG Set-2 (750 KVA)
6.	Sampling Time: 15:40 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed √	Thimble: Packed √	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: DG Set-2 (750 KVA)
2.	Height	m	: -
3.	Diameter	mm	: -
4.	Temperature	°C	: 110
5.	Velocity	m/s	: 12.35
6.	Type of fuel used		: Diesel
7.	Quantity of fuel used		: -

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Particulate Matter	mg/Nm ³	: 50	150	IS 11255 (Part-I)
2.	Sulphur Dioxide (SO ₂)	ppm	: 17.90	100	IS 11255 (Part-II)
3.	Oxides of Nitrogen (NOx)	ppm	: 15.82	50	IS 11255 (Part-7)

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE:

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- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date.: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/05 (ULR- TC134502500017527F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25SE05	3.	Client Representative: Mr.Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location: Old Sulphuric Acid Plant
6.	Sampling Time: 11:00 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed ✓	Thimble:Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Old Sulphuric Acid Plant
2.	Height	m	: 30
3.	Diameter	mm	: 500
4.	Temperature	°c	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Sulphur Dioxide(SO ₂)	Kg/ton of 100% Acid production	: 0.0023	2	IS 11255 (Part-II)

Remark :

Authorized By - Sapana Amin

Name : Sapana Amin	Designation : Lab Incharge
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2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/06

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 - 017OC25SE05	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location: Old Sulphuric Acid Plant
6.	Sampling Time: 11:00 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Old Sulphuric Acid Plant
2.	Height	m	: 30
3.	Diameter	mm	: 500
4.	Temperature	°c	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Acid Mist	mg/Nm ³	: 0.54	50	APHA 24 th Edition 2310 B

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



KADAM LABS PRIVATE LIMITED

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/07 (ULR- TC134502500017528F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25SE06	3.	Client Representative: Mr.Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location: New Sulphuric Acid Plant
6.	Sampling Time: 11:35 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed ✓	Thimble:Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: New Sulphuric Acid Plant
2.	Height	m	: 30
3.	Diameter	mm	: 350
4.	Temperature	°c	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Sulphur Dioxide(SO ₂)	Kg/ton of 100% Acid production	: 0.0006	2	IS 11255 (Part-II)

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/08

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 - 017OC25SE06	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location: New Sulphuric Acid Plant
6.	Sampling Time: 11:35 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: New Sulphuric Acid Plant
2.	Height	m	: 30
3.	Diameter	mm	: 350
4.	Temperature	°c	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Acid Mist	mg/Nm ³	: 0.17	50	APHA 24 th Edition 2310 B

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/09 (ULR- TC134502500017529F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25SE07	3.	Client Representative: Mr.Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location: HCL Stack (Caustic Soda Plant)
6.	Sampling Time: 12:10 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed √	Thimble: Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: HCL Stack (Caustic Soda Plant)
2.	Height	m	: 34
3.	Diameter	mm	: 200
4.	Temperature	°C	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Chloride (HCl)	mg/Nm ³	: 11.58	35	Methods for air sampling and analysis, APHA Intersociety Committee by Morris Katz

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE:

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- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/10 (ULR- TC134502500017530F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25SE08	3.	Client Representative: Mr.Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location: Old Rayon Plant
6.	Sampling Time: 10:25 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed ✓	Thimble:Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Old Rayon Plant
2.	Height	m	: 52.5
3.	Diameter	mm	: 8500
4.	Temperature	°C	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	H ₂ S	kg /MT of yarn production	: 16.6	30	IS 11255 (Part-4)

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE:

- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/11

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 - 017OC25SE08	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location : Old Rayon Plant
6.	Sampling Time: 10:25 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Thimble: Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: Old Rayon Plant
2.	Height	m	: 52.5
3.	Diameter	mm	: 8500
4.	Temperature	°c	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	CS ₂	kg /MT of yarn production	: 32.6	200	IS 11255 (Part - 4)-1985

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



TC-13450



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/12 (ULR- TC134502500017531F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25SE09	3.	Client Representative: Mr.Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location : New Rayon Plant
6.	Sampling Time: 10:00 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed √	Thimble: Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: New Rayon Plant
2.	Height	m	: 52.5
3.	Diameter	mm	: 5800
4.	Temperature	°c	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	H ₂ S	kg /MT of yarn production	: 10.75	30	IS 11255 (Part-4)

Remark :

Authorized By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/13

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 - 017OC25SE09	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location : New Rayon Plant
6.	Sampling Time: 10:00 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed ✓	Thimble: Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

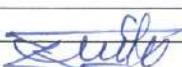
STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: New Rayon Plant
2.	Height	m	: 52.5
3.	Diameter	mm	: 5800
4.	Temperature	°C	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	CS ₂	kg /MT of yarn production	: 40.76	200	IS 11255 (Part - 4)-1985

Remark :

Authorized By - 

Name : Sapana Amin	Designation : Lab Incharge
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NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK		
DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - STACK

REPORT NO.: OCT25/017/14 (ULR- TC134502500017532F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 - 017OC25SE10	3.	Client Representative: Mr.Shailendra Rathore
4.	Sample Date: 11.10.2025	5.	Sampling Location: CL2 Stack (caustic soda plant)
6.	Sampling Time: 12:50 hr	7.	Sampling Duration: 20 Mins
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method	15.	Product: Stack Emission
16.	Description of Sample: Sampling Bottles: Sealed ✓	Thimble: Packed	Bladder: Clamped
17.	Sample Received Date: 15.10.2025		

STACK DETAILS

S.No.	Parameters	Unit (SI)	Description
1.	Source		: CL2 Stack (caustic soda plant)
2.	Height	m	: 34
3.	Diameter	mm	: 100
4.	Temperature	°C	: 28
5.	Velocity	m/s	: -
6.	Type of fuel used		: N.A.
7.	Quantity of fuel used		: N.A.

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	CL ₂	mg /Nm ³	: 1.29	15	LAB-SOP-104, Issue No 01

Remark :

Authorized By - Sapana Amin

Name : Sapana Amin	Designation : Lab Incharge
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NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - STACK

DOC. NO.: LAB-FMT-052	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: OCT25/017/15 (ULR- TC134502500017533F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.			
2.	Sample ID: 2458608646 - 017OC25AQ01		3.	Client Representative: Mr. Shailendra Rathore
4.	Sampling Date: 11.10.2025		5.	Sampling Location: ON The Adm Office Terrace
6.	Sampling time: 09:45 hr		7.	Sampling Duration: 24 Hrs
8.	Analysis commenced on: 15.10.2025		9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025		11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed		13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method		15.	Product: Ambient Air
16.	Description of Sample:	Sampling Bottles: Sealed √		Filter Paper: Packed √
17.	Environment Condition:	Temp: Normal	Humidity: Low	Bladder: Clamped
	Rain: No Rain	Wind Direction: Up wind		Wind speed: Smooth
		Wind blowing from: -		Cloud cover: Clear sky
				Station category: Industrial
18.	Sample Received Date: 15.10.2025			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg /m ³	: 64	100	IS 5182 (Part-23)
2.	PM 2.5	µg /m ³	: 23	60	LAB-SOP-111, Issue No 01
3.	Sulphur Dioxide (SO ₂)	µg /m ³	: 7.96	80	IS 5182 (Part-2)
4.	Oxides of Nitrogen (NO _x)	µg /m ³	: 16.10	80	IS 5182 (Part-6)
5.	CL ₂	µg /m ³	: B.D.L.	100	IS 5182 (Part-19)
6.	H ₂ S	µg /m ³	: B.D.L.	150	IS 5182 (Part-7)
7.	CS ₂	µg /m ³	: B.D.L.	100	IS 5182 (Part-20)
8.	Chloride (HCl)	µg /m ³	: B.D.L.	200	Methods for air sampling and analysis, APHA Intersociety Committee by Morris Katz

Remark: B.D.L. - Below Detection Limit.

Authorized By -

Name : Sapana Amin	Designation : Lab Incharge
--------------------	----------------------------

NOTE:

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- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



KADAM LABS PRIVATE LIMITED

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Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: OCT25/017/16 (ULR- TC134502500017534F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.			
2.	Sample ID: 2458608646 - 017OC25AQ02	3.	Client Representative: Mr. Shailendra Rathore	
4.	Sampling Date: 11.10.2025	5.	Sampling Location: On Guest house Terrace	
6.	Sampling time: 09:30 hr	7.	Sampling Duration: 24 Hrs	
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025	
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical	
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution	
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air	
16.	Description of Sample: Sampling Bottles: Sealed √	Filter Paper: Packed √	Bladder: Clamped	
17.	Environment Condition: Temp: Normal Humidity: Low	Wind speed: Smooth	Cloud cover: Clear sky	
	Rain: No Rain Wind Direction: Down wind	Wind blowing from: -	Station category: Industrial	
18.	Sample Received Date: 15.10.2025			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg /m ³	: 57	100	IS 5182 (Part-23)
2.	PM 2.5	µg /m ³	: 20	60	LAB-SOP-111, Issue No 01
3.	Sulphur Dioxide (SO ₂)	µg /m ³	: 10.19	80	IS 5182 (Part-2)
4.	Oxides of Nitrogen (NO _x)	µg /m ³	: 13.58	80	IS 5182 (Part-6)
5.	CL ₂	µg /m ³	: B.D.L.	100	IS 5182 (Part-19)
6.	H ₂ S	µg /m ³	: B.D.L.	150	IS 5182 (Part-7)
7.	CS ₂	µg /m ³	: B.D.L.	100	IS 5182 (Part-20)
8.	Chloride (HCl)	µg /m ³	: B.D.L.	200	Methods for air sampling and analysis, APHA Intersociety Committee by Morris Katz

Remark: B.D.L. - Below Detection Limit.

Authorized By -

Name : Sapana Amin	Designation : Lab Incharge
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NOTE:

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- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: OCT25/017/17 (ULR- TC134502500017535F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.			
2.	Sample ID: 2458608646 - 017OC25AQ03	3.	Client Representative: Mr. Shailendra Rathore	
4.	Sampling Date: 11.10.2025	5.	Sampling Location: On Hostel Terrace	
6.	Sampling time: 10:30 hr	7.	Sampling Duration: 24 Hrs	
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025	
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical	
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution	
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air	
16.	Description of Sample:	Sampling Bottles: Sealed √	Filter Paper: Packed √	Bladder: Clamped
17.	Environment Condition:	Temp: Normal Humidity: Low	Wind speed: Smooth	Cloud cover: Clear sky
	Rain: No Rain	Wind Direction: Down wind	Wind blowing from: -	Station category: Industrial
18.	Sample Received Date: 15.10.2025			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg /m ³	: 70	100	IS 5182 (Part-23)
2.	PM 2.5	µg /m ³	: 25	60	LAB-SOP-111, Issue No 01
3.	Sulphur Dioxide (SO ₂)	µg /m ³	: 8.70	80	IS 5182 (Part-2)
4.	Oxides of Nitrogen (NO _x)	µg /m ³	: 17.17	80	IS 5182 (Part-6)
5.	CL ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-19)
6.	H ₂ S	µg /m ³	: B.D.L	150	IS 5182 (Part-7)
7.	CS ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-20)
8.	Chloride (HCl)	µg /m ³	: B.D.L	200	Methods for air sampling and analysis, APHA Intersociety Committee by Morris Katz

Remark: B.D.L. - Below Detection Limit.

Authorized By -

Name : Sapana Amin	Designation : Lab Incharge
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3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: OCT25/017/18 (ULR- TC134502500017536F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.			
2.	Sample ID: 2458608646 – 017OC25AQ04	3.	Client Representative: Mr. Shailendra Rathore	
4.	Sampling Date: 11.10.2025	5.	Sampling Location: On Caustic Plant Terrace	
6.	Sampling time: 11:00 hr	7.	Sampling Duration: 24 Hrs	
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025	
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical	
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution	
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air	
16.	Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Filter Paper: Packed <input checked="" type="checkbox"/>	Bladder: Clamped
17.	Environment Condition:	Temp: Normal Humidity: Low	Wind speed: Smooth	Cloud cover: Clear sky
	Rain: No Rain	Wind Direction: Up wind	Wind blowing from: -	Station category: Industrial
18.	Sample Received Date: 15.10.2025			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg /m ³	: 67	100	IS 5182 (Part-23)
2.	PM 2.5	µg /m ³	: 24	60	LAB-SOP-111, Issue No 01
3.	Sulphur Dioxide (SO ₂)	µg /m ³	: 7.96	80	IS 5182 (Part-2)
4.	Oxides of Nitrogen (NO _x)	µg /m ³	: 18.57	80	IS 5182 (Part-6)
5.	CL ₂	µg /m ³	: B.D.L.	100	IS 5182 (Part-19)
6.	H ₂ S	µg /m ³	: B.D.L.	150	IS 5182 (Part-7)
7.	CS ₂	µg /m ³	: B.D.L.	100	IS 5182 (Part-20)
8.	Chloride (HCl)	µg /m ³	: B.D.L.	200	Methods for air sampling and analysis, APHA Intersociety Committee by Morris Katz

Remark: B.D.L. - Below Detection Limit.

Authorized By -

Name : Sapana Amin	Designation : Lab Incharge
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NOTE:

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- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: OCT25/017/19 (ULR- TC134502500017537F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.			
2.	Sample ID: 2458608646 - 017OC25AQ05		3.	Client Representative: Mr. Shailendra Rathore
4.	Sampling Date: 13.10.2025		5.	Sampling Location: Jaleshwar Temple
6.	Sampling time: 12:00 hr		7.	Sampling Duration: 24 Hrs
8.	Analysis commenced on: 15.10.2025		9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025		11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed		13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method		15.	Product: Ambient Air
16.	Description of Sample:	Sampling Bottles: Sealed ✓		Filter Paper: Packed ✓
17.	Environment Condition:	Temp: Normal	Humidity: Low	Bladder: Clamped
	Rain: No Rain	Wind Direction: Up wind		Wind speed: Smooth
		Wind blowing from: -		Cloud cover: Clear sky
				Station category: Industrial
18.	Sample Received Date: 15.10.2025			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg /m ³	: 59	100	IS 5182 (Part-23)
2.	PM _{2.5}	µg /m ³	: 19	60	LAB-SOP-111, Issue No 01
3.	Sulphur Dioxide (SO ₂)	µg /m ³	: 7.07	80	IS 5182 (Part-2)
4.	Oxides of Nitrogen (NO _x)	µg /m ³	: 19.02	80	IS 5182 (Part-6)
5.	Cl ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-19)
6.	H ₂ S	µg /m ³	: B.D.L	150	IS 5182 (Part-7)
7.	CS ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-20)
8.	Chloride (HCl)	µg /m ³	: B.D.L	200	Methods for air sampling and analysis, APHA Intersociety Committee by Morris Katz

Remark: B.D.L. - Below Detection Limit.

Authorized By -

Name : Sapana Amin	Designation : Lab Incharge
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- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: OCT25/017/20 (ULR- TC134502500017538F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.			
2.	Sample ID: 2458608646 – 017OC25AQ06		3.	Client Representative: Mr. Shailendra Rathore
4.	Sampling Date: 11.10.2025		5.	Sampling Location: Kirmani Nagar
6.	Sampling time: 11:30 hr		7.	Sampling Duration: 24 Hrs
8.	Analysis commenced on: 15.10.2025		9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025		11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed		13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method		15.	Product: Ambient Air
16.	Description of Sample:	Sampling Bottles: Sealed ✓		Filter Paper: Packed ✓
17.	Environment Condition:	Temp: Normal	Humidity: Low	Bladder: Clamped
	Rain: No Rain	Wind Direction: Down wind		Wind speed: Smooth
		Wind blowing from: -		Cloud cover: Clear sky
				Station category: Industrial
18.	Sample Received Date: 15.10.2025			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg /m ³	: 60	100	IS 5182 (Part-23)
2.	PM _{2.5}	µg /m ³	: 23	60	LAB-SOP-111, Issue No 01
3.	Sulphur Dioxide (SO ₂)	µg /m ³	: 6.17	80	IS 5182 (Part-2)
4.	Oxides of Nitrogen (NO _x)	µg /m ³	: 14.77	80	IS 5182 (Part-6)
5.	Cl ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-19)
6.	H ₂ S	µg /m ³	: B.D.L	150	IS 5182 (Part-7)
7.	CS ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-20)
8.	Chloride (HCl)	µg /m ³	: B.D.L	200	Methods for air sampling and analysis, APHA Intersociety Committee by Morris Katz

Remark: B.D.L. - Below Detection Limit.

Authorized By -

Name : Sapana Amin	Designation : Lab Incharge
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- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT		
DOC. NO.: LAB-FMT-051	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: OCT25/017/21 (ULR- TC134502500017539F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.			
2.	Sample ID: 2458608646 - 017OC25AQ07	3.	Client Representative: Mr. Shailendra Rathore	
4.	Sampling Date: 11.10.2025	5.	Sampling Location: IMD Station	
6.	Sampling time: 12:10 hr	7.	Sampling Duration: 24 Hrs	
8.	Analysis commenced on: 15.10.2025	9.	Analysis Completed on: 15.10.2025	
10.	Reporting Date: 27.10.2025	11.	Discipline: Chemical	
12.	Sample Collected By: Mr. Javed	13.	Group: Atmospheric Pollution	
14.	Sampling Procedure: IS Method	15.	Product: Ambient Air	
16.	Description of Sample:	Sampling Bottles: Sealed <input checked="" type="checkbox"/>	Filter Paper: Packed <input checked="" type="checkbox"/>	Bladder: Clamped
17.	Environment Condition:	Temp: Normal Humidity: Low	Wind speed: Smooth	Cloud cover: Clear sky
	Rain: No Rain	Wind Direction: Up wind	Wind blowing from: -	Station category: Industrial
18.	Sample Received Date: 15.10.2025			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg /m ³	: 52	100	IS 5182 (Part-23)
2.	PM 2.5	µg /m ³	: 22	60	LAB-SOP-111, Issue No 01
3.	Sulphur Dioxide (SO ₂)	µg /m ³	: 9.72	80	IS 5182 (Part-2)
4.	Oxides of Nitrogen (NO _x)	µg /m ³	: 17.97	80	IS 5182 (Part-6)
5.	CL ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-19)
6.	H ₂ S	µg /m ³	: B.D.L	150	IS 5182 (Part-7)
7.	CS ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-20)
8.	Chloride (HCl)	µg /m ³	: B.D.L	200	Methods for air sampling and analysis, APHA Intersociety Committee by Morris Katz

Remark: B.D.L. - Below Detection Limit.

Authorized By:

Name : Sapana Amin	Designation : Lab Incharge
--------------------	----------------------------

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3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT - AMBIENT

REPORT NO.: OCT25/017/22 (ULR- TC134502500017540F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.			
2.	Sample ID: 2458608646 - 017OC25AQ08		3.	Client Representative: Mr. Shailendra Rathore
4.	Sampling Date: 13.10.2025		5.	Sampling Location: Hudko Society
6.	Sampling time: 12:30 hr		7.	Sampling Duration: 24 Hrs
8.	Analysis commenced on: 15.10.2025		9.	Analysis Completed on: 15.10.2025
10.	Reporting Date: 27.10.2025		11.	Discipline: Chemical
12.	Sample Collected By: Mr. Javed		13.	Group: Atmospheric Pollution
14.	Sampling Procedure: IS Method		15.	Product: Ambient Air
16.	Description of Sample:	Sampling Bottles: Sealed ✓		Filter Paper: Packed ✓
17.	Environment Condition:	Temp: Normal	Humidity: Low	Bladder: Clamped
	Rain: No Rain	Wind Direction: Up wind		Wind speed: Smooth
		Wind blowing from: -		Cloud cover: Clear sky
				Station category: Industrial
18.	Sample Received Date: 15.10.2025			

TEST RESULTS

S. No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	PM ₁₀	µg /m ³	: 54	100	IS 5182 (Part-23)
2.	PM 2.5	µg /m ³	: 25	60	LAB-SOP-111, Issue No 01
3.	Sulphur Dioxide (SO ₂)	µg /m ³	: 8.10	80	IS 5182 (Part-2)
4.	Oxides of Nitrogen (NO _x)	µg /m ³	: 13.71	80	IS 5182 (Part-6)
5.	Cl ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-19)
6.	H ₂ S	µg /m ³	: B.D.L	150	IS 5182 (Part-7)
7.	CS ₂	µg /m ³	: B.D.L	100	IS 5182 (Part-20)
8.	Chloride (HCl)	µg /m ³	: B.D.L	200	Methods for air sampling and analysis, APHA Intersociety Committee by Morris Katz

Remark: B.D.L. - Below Detection Limit.

Authorized By

Name : Sapana Amin	Designation : Lab Incharge
--------------------	----------------------------

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- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - AMBIENT

DOC. NO.: LAB-FMT-051	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – EFFLUENT

REPORT NO.: OCT25/017/23 (ULR- TC134502500017541F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.	
2.	Sample ID: 2458608646 – 017OC25EF01	3. Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5. Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7. Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9. Discipline: Chemical
10.	Packing Condition & Quantity: Sealed ✓	11. Group: Pollution and Environment
12.	Sampling Location: ETP Waste Water Inlet	13. Product: Waste Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15. Sample Received Date: 15.10.2025

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH		: 1.95	N.A.	APHA 24 th Edition 4500 H+ B
2.	Temperature	°C	: 28	N.A.	APHA 24 th Edition 2550 - B
3.	Colour	Pt-CO	: 20	N.A.	APHA 24 th Edition 2120 - B
4.	Suspended Solids	mg/L	: 24	N.A.	APHA 24 th Edition 2540 - D
5.	COD	mg/L	: 378	N.A.	APHA 24 th Edition 5220 - B
6.	Oil & Grease	mg/L	: <1	N.A.	APHA 24 th Edition 5520 - B
7.	Zinc	mg/L	: 23.61	N.A.	APHA 24 th Edition 3125-B

Remark :

Authorised By -

Name : Sapana Amin

Designation : Lab Incharge

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2) Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT

DOC. NO.: LAB-FMT-050	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – EFFLUENT

REPORT NO.: OCT25/017/24

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.			
2.	Sample ID: 2458608646 – 017OC25EF01	3.	Client Representative: Mr. Shailendra Rathore	
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed	
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 04.08.2025	
8.	Reporting Date: 27.10.2025	9.	Discipline: Chemical	
10.	Packing Condition & Quantity: Sealed √	11.	Group: Pollution and Environment	
12.	Sampling Location: ETP Waste Water Inlet	13.	Product: Waste Water	
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025	

TEST RESULTS

<u>S.No.</u>	<u>Parameters</u>	<u>Unit (SI)</u>	<u>Results</u>	<u>Specification/ SPCB Norms/ BIS Standards</u>	<u>Method Used</u>
1.	BOD (5 days at 20 °C)	mg/L	:	118	N.A. APHA: 24 th Edition 5210 - B

Remark :

Authorised By - Sapana Amin

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
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3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT		
DOC. NO.: LAB-FMT-050 Effective Date: 26.03.2024	Issue No.: 01 Issue Date: 26.03.2024	Revision No.: 00 Revision Date: --



KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – EFFLUENT

REPORT NO.: OCT25/017/25 (ULR- TC134502500017542F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.	
2.	Sample ID: 2458608646 – 017OC25EF02	3. Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5. Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7. Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9. Discipline: Chemical
10.	Packing Condition & Quantity: Sealed ✓	11. Group: Pollution and Environment
12.	Sampling Location: ETP Waste Water Outlet	13. Product: Waste Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15. Sample Received Date: 15.10.2025

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH		: 6.95	6.0 - 8.5	APHA 24 th Edition 4500 H+ B
2.	Temperature	°C	: 28	45	APHA 24 th Edition 2550 - B
3.	Colour	Pt-CO	: 10	100	APHA 24 th Edition 2120 - B
4.	Suspended Solids	mg/L	: 8	100	APHA 24 th Edition 2540 - D
5.	COD	mg/L	: 76	250	APHA 24 th Edition 5220 - B
6.	Oil & Grease	mg/L	: <1	10	APHA 24 th Edition 5520 - B
7.	Zinc	mg/L	: 1.29	15	APHA 24 th Edition 3125-B

Remark :

Authorised By

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT

DOC. NO.: LAB-FMT-050	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

KADAM LABS PRIVATE LIMITED

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001

ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – EFFLUENT

REPORT NO.: OCT25/017/26

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25EF02	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 04.08.2025
8.	Reporting Date: 27.10.2025	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed ✓	11.	Group: Pollution and Environment
12.	Sampling Location: ETP Waste Water Outlet	13.	Product: Waste Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025

TEST RESULTS

<u>S.No.</u>	<u>Parameters</u>	<u>Unit (SI)</u>	<u>Results</u>	<u>Specification/ SPCB Norms/ BIS Standards</u>	<u>Method Used</u>
1.	BOD (5 days at 20 °C)	mg/L	21	100	APHA: 24 th Edition 5210 - B

Remark :

Authorised By - Sapana Amin

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT

DOC. NO.: LAB-FMT-050	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – EFFLUENT

REPORT NO.: OCT25/017/27 (ULR- TC134502500017543F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25EF03	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed ✓	11.	Group: Pollution and Environment
12.	Sampling Location: Sewage Waste Water Inlet	13.	Product: Waste Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH		: 6.85	N.A.	APHA 24 th Edition 4500-H+ B
2.	Suspended Solids	mg/L	: 10	N.A.	APHA 24 th Edition 2540 D
3.	COD	mg/L	: 92	N.A.	APHA 24 th Edition 5220 - B
4.	BOD (3 days at 27 °C)	mg/L	: 24	N.A.	IS 3025 (Part-44)
5.	Residual Chlorine	mg/L	: 0.44	N.A.	IS 3025 (Part-26)
6.	Ammonical Nitrogen	mg/L	: 5.63	N.A.	IS 3025 (Part-34)
7.	Oil & Grease	mg/L	: <1	N.A.	APHA 24 th Edition 5520 - B

Remark :

Authorised By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT

DOC. NO.: LAB-FMT-050	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – EFFLUENT

REPORT NO.: OCT25/017/28

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25EF03	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed ✓	11.	Group: Pollution and Environment
12.	Sampling Location: Sewage Waste Water Inlet	13.	Product: Waste Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025

TEST RESULTS

<u>S.No.</u>	<u>Parameters</u>	<u>Unit (SI)</u>	<u>Results</u>	<u>Specification/ SPCB Norms/ BIS Standards</u>	<u>Method Used</u>
1.	Total Phosphorus	mg/L	:	3.99	N.A. APHA 24 th Edition 4500 P - C
2.	Total Nitrogen	mg/L	:	13.35	N.A. IS 3025 (Part-34)

Remark :

Authorised By - Sapana Amin

<u>Name : Sapana Amin</u>	<u>Designation : Lab Incharge</u>
---------------------------	-----------------------------------

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT

DOC. NO.: LAB-FMT-050	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



TC-13450



KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – EFFLUENT

REPORT NO.: OCT25/017/29 (ULR- TC134502500017544F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25EF04	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed ✓	11.	Group: Pollution and Environment
12.	Sampling Location: Sewage Waste Water Outlet	13.	Product: Waste Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	pH	:	7.46	6.5 - 9.0	APHA 24 th Edition 4500-H+ B
2.	Suspended Solids	mg/L	: 7	<100	APHA 24 th Edition 2540 D
3.	COD	mg/L	: 64	N.A.	APHA 24 th Edition 5220 - B
4.	BOD (3 days at 27 °C)	mg/L	: 18	<30	IS 3025 (Part-44)
5.	Residual Chlorine	mg/L	: <0.1	N.A.	IS 3025 (Part-26)
6.	Ammonical Nitrogen	mg/L	: 8.08	N.A.	IS 3025 (Part-34)
7.	Oil & Grease	mg/L	: <1	N.A.	APHA 24 th Edition 5520 - B

Remark :

Authorised By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT		
DOC. NO.: LAB-FMT-050	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – EFFLUENT

REPORT NO.: OCT25/017/30

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road, Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25EF04	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9.	Discipline: Chemical
10.	Packing Condition & Quantity: Sealed ✓	11.	Group: Pollution and Environment
12.	Sampling Location: Sewage Waste Water Outlet	13.	Product: Waste Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Total Phosphorus	mg/L	:	0.56	N.A. APHA 24 th Edition 4500 P - C
2.	Total Nitrogen	mg/L	:	9.8	N.A. IS 3025 (Part-34)

Remark :

Authorised By 

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 15 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - EFFLUENT

DOC. NO.: LAB-FMT-050	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT FORMAT – BIO-ASSAY

REPORT NO.: OCT25/017/31 (ULR- TC134502500017545F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25EF02	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 19.10.2025
8.	Reporting Date: 27.10.2025	9.	Sample Category:
10.	Sampling Location: ETP Final Outlet	14.	Sample Received Date: 15.10.2025
11.	Discipline: Chemical		
12.	Group: Pollution and Environment		
13.	Product: Waste Water		

TEST RESULTS

S. No.	Part of the Dilution Water to be added to 1 part of Waste Water	Test Method: IS 6582 (Part-2): 2001 (RA 2013)					
		Survival after					
		2 hrs.	6 hrs.	24 hrs.	48 hrs.	96 hrs.	% Survival
1	0	✓	✓	✓	✓	✓	100%
2	1	✓	✓	✓	✓	✓	100%
3	3	✓	✓	✓	✓	✓	100%
4	7	✓	✓	✓	✓	✓	100%
5	15	✓	✓	✓	✓	✓	100%
6	31	✓	✓	✓	✓	✓	100%
7	63	✓	✓	✓	✓	✓	100%
8	124	✓	✓	✓	✓	✓	100%
9	249	✓	✓	✓	✓	✓	100%
10	499	✓	✓	✓	✓	✓	100%
11	999	✓	✓	✓	✓	✓	100%

Remark : 90 % survival of fish after 96 hrs. in 100% concentration.

Authorized By:

Name : Sapana Amin

Designation : Lab Incharge

NOTE :

- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT- BIO-ASSAY

DOC. NO.: LAB-FMT-124	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

Page 1 of 1



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – WATER

REPORT NO.: OCT25/017/32 (ULR- TC134502500017546F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25W01	3.	Client Representative : Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9.	Discipline : Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group : Water
12.	Sampling Location: Main Storage Tank	13.	Product: Storage Tank Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	pH		: 7.35	6.5-8.5	APHA 24 th Edition 4500 H+ B
2.	Turbidity	NTU	: <0.1	1	APHA 24 th Edition 2130 - B
3.	Colour	Pt-CO	: <1	5	APHA 24 th Edition 2120 - B
4.	Sulphate	mg/L	: 21	200	APHA 24 th Edition 4500 -SO ⁴ E
5.	Fluoride	mg/L	: <0.05	1	APHA 24 th Edition 4500- F- D
6.	Nitrate	mg/L	: <0.1	45	IS 3025 (Part-34)
7.	Phenolic Compound	mg/L	: N.D.	0.001	APHA 24 th Edition 5530 D
8.	Hexavalent Chromium	mg/L	: <0.02	0.05	APHA 24 th Edition 3500 Cr - B
9.	Total Dissolved Solids	mg/L	: 184	500	APHA 24 th Edition 2540 - C
10.	Alkalinity	mg/L	: 60	200	APHA 24 th Edition 2320 - B
11.	Total Hardness	mg/L	: 80	200	APHA 24 th Edition 2340 - C
12.	Calcium	mg/L	: 10	75	APHA 24 th Edition 3500 Ca - B
13.	Magnesium	mg/L	: 14	30	APHA 24 th Edition 3500 Mg- B
14.	Residual Chlorine	mg/L	: 0.44	0.2(Minimum)	IS 3025 (Part-26)
15.	Chlorides	mg/L	: 44	250	APHA 24 th Edition 4500 - Cl B
16.	Aluminum	mg/L	: <0.01	0.03	APHA 24 th Edition 3125-B
17.	Arsenic	mg/L	: <0.001	0.01	APHA 24 th Edition 3125-B
18.	Boron	mg/L	: <0.01	0.5	APHA 24 th Edition 3125-B
19.	Cadmium	mg/L	: <0.001	0.003	APHA 24 th Edition 3125-B
20.	Copper	mg/L	: <0.001	0.05	APHA 24 th Edition 3125-B
21.	Iron	mg/L	: <0.01	1.0	APHA 24 th Edition 3125-B
22.	Lead	mg/L	: <0.001	0.01	APHA 24 th Edition 3125-B
23.	Manganese	mg/L	: <0.001	0.1	APHA 24 th Edition 3125-B
24.	Mercury	mg/L	: <0.001	0.001	APHA 24 th Edition 3125-B
25.	Zinc	mg/L	: <0.01	5	APHA 24 th Edition 3125-B

Remark : Specification are given as per IS : 10500 : 2012 (Acceptable Limits) / N.D. - Not Detected.

Authorised By - Sapana Amin

Name : Sapana Amin

Designation : Lab Incharge

NOTE:

- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - WATER		
DOC. NO.: LAB-FMT-055	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – WATER

REPORT NO.: OCT25/017/33

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25W01	3.	Client Representative : Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9.	Discipline : Chemical
10.	Packing Condition & Quantity: Sealed ✓	11.	Group : Water
12.	Sampling Location: Main Storage Tank	13.	Product: Storage Tank Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Odour	-	: Agreeable	Agreeable	APHA: 24 th Edition 2150 B
2.	Cyanide	mg/L	: <0.05	0.05	APHA: 24 th Edition 4500 CN E

Remark : Specification are given as per IS : 10500 : 2012 (Acceptable Limits)

Authorised By - *Sapana Amin*

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - WATER

DOC. NO.: LAB-FMT-055	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – WATER

REPORT NO.: OCT25/017/34 (ULR- TC134502500017547F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road, Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25W02	3.	Client Representative : Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9.	Discipline : Chemical
10.	Packing Condition & Quantity: Sealed √	11.	Group : Water
12.	Sampling Location: MIS Office	13.	Product: Drinking Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	pH		: 7.24	6.5-8.5	APHA 24 th Edition 4500 H+ B
2.	Turbidity	NTU	: <0.1	1	APHA 24 th Edition 2130 - B
3.	Colour	Pt-CO	: <1	5	APHA 24 th Edition 2120 - B
4.	Sulphate	mg/L	: 19	200	APHA 24 th Edition 4500 -SO ⁴ E
5.	Fluoride	mg/L	: <0.05	1	APHA 24 th Edition 4500- F- D
6.	Nitrate	mg/L	: <0.1	45	IS 3025 (Part-34)
7.	Phenolic Compound	mg/L	: N.D.	0.001	APHA 24 th Edition 5530 D
8.	Hexavalent Chromium	mg/L	: <0.02	0.05	APHA 24 th Edition 3500 Cr - B
9.	Total Dissolved Solids	mg/L	: 172	500	APHA 24 th Edition 2540 - C
10.	Alkalinity	mg/L	: 70	200	APHA 24 th Edition 2320 - B
11.	Total Hardness	mg/L	: 90	200	APHA 24 th Edition 2340 - C
12.	Calcium	mg/L	: 11	75	APHA 24 th Edition 3500 Ca - B
13.	Magnesium	mg/L	: 15	30	APHA 24 th Edition 3500 Mg- B
14.	Residual Chlorine	mg/L	: 0.40	0.2(Minimum)	IS 3025 (Part-26)
15.	Chlorides	mg/L	: 39	250	APHA 24 th Edition 4500 - Cl B
16.	Aluminum	mg/L	: <0.01	0.03	APHA 24 th Edition 3125-B
17.	Arsenic	mg/L	: <0.001	0.01	APHA 24 th Edition 3125-B
18.	Boron	mg/L	: <0.01	0.5	APHA 24 th Edition 3125-B
19.	Cadmium	mg/L	: <0.001	0.003	APHA 24 th Edition 3125-B
20.	Copper	mg/L	: <0.001	0.05	APHA 24 th Edition 3125-B
21.	Iron	mg/L	: <0.01	1.0	APHA 24 th Edition 3125-B
22.	Lead	mg/L	: <0.001	0.01	APHA 24 th Edition 3125-B
23.	Manganese	mg/L	: <0.001	0.1	APHA 24 th Edition 3125-B
24.	Mercury	mg/L	: <0.001	0.001	APHA 24 th Edition 3125-B
25.	Zinc	mg/L	: <0.01	5	APHA 24 th Edition 3125-B

Remark : Specification are given as per IS : 10500 : 2012 (Acceptable Limits) / N.D. - Not Detected.

Authorised By - Salil

Name : Sapana Amin

Designation : Lab Incharge

NOTE:

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- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - WATER		
DOC. NO.: LAB-FMT-055	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

KADAM LABS PRIVATE LIMITED

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – WATER

REPORT NO.: OCT25/017/35

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road, Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 - 017OC25W02	3.	Client Representative : Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 15.10.2025	7.	Analysis Completed on: 27.10.2025
8.	Reporting Date: 27.10.2025	9.	Discipline : Chemical
10.	Packing Condition & Quantity: Sealed ✓	11.	Group : Water
12.	Sampling Location: MIS Office	13.	Product: Drinking Water
14.	Sampling Method: APHA 24 th Edition 1060: B&C	15.	Sample Received Date: 15.10.2025

TEST RESULTS

S.No.	Parameters	Unit (SI)	Results	Specification/SPCB Norms/BIS Standards	Method Used
1.	Odour	-	: Agreeable	Agreeable	APHA: 24 th Edition 2150 B
2.	Cyanide	mg/L	: <0.05	0.05	APHA: 24 th Edition 4500 CN E

Remark : Specification are given as per IS : 10500 : 2012 (Acceptable Limits)

Authorised By -

Name : Sapana Amin

Designation : Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - WATER

DOC. NO.: LAB-FMT-055	Issue No.: 01	Revision No.: 00
Effective Date.: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – MICROBIOLOGY

REPORT NO.: OCT25/017/36 (ULR- TC134502500017548F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25EF03	9.	Client Representative: Mr. Shailendra Rathore
3.	Sample Date: 13.10.2025	10.	Sample Collected By: Mr. Javed
4.	Packing Condition & Quantity: Sealed ✓	11.	Discipline: Biological
5.	Analysis commenced on: 15.10.2025	12.	Group: Environment & Pollution
6.	Analysis Completed on: 17.10.2025	13.	Product: Waste Water
7.	Reporting Date: 27.10.2025	14.	Sampling Method: IS 1622
8.	Sampling Location: Sewage Waste Water Inlet	15.	Sample Received Date: 15.10.2025

TEST RESULTS

<u>S. No.</u>	<u>Parameters</u>	<u>Results</u>	<u>Unit (SI)</u>	<u>Specification/ SPCB Norms/ BIS Standards</u>	<u>Method Used</u>
1.	Fecal Coliform Bacteria	N.D(<1.8)	MPN/ 100ml	N.A	APHA 24 th Edition 9221 E & C

Remark : N.D. - Not Detected.

Authorised By- *Jyoti Chauhan*

Name: Jyoti Chauhan	Designation: Sr.Microbiologist
---------------------	--------------------------------

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re-sampling may be done, if required, with written approval of the laboratory.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - MICROBIOLOGY

DOC. NO.: LAB-FMT-217	Issue No.: 01	Revision No.: 00
Effective Date:.. 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – MICROBIOLOGY

REPORT NO.: OCT25/017/37 (ULR- TC134502500017549F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25EF04	9.	Client Representative: Mr. Shailendra Rathore
3.	Sample Date: 13.10.2025	10.	Sample Collected By: Mr. Javed
4.	Packing Condition & Quantity: Sealed ✓	11.	Discipline: Biological
5.	Analysis commenced on: 15.10.2025	12.	Group: Environment & Pollution
6.	Analysis Completed on: 17.10.2025	13.	Product: Waste Water
7.	Reporting Date: 27.10.2025	14.	Sampling Method: IS 1622
8.	Sampling Location: Sewage Waste Water Outlet	15.	Sample Received Date: 15.10.2025

TEST RESULTS

<u>S. No.</u>	<u>Parameters</u>	<u>Results</u>	<u>Unit (SI)</u>	<u>Specification/ SPCB Norms/ BIS Standards</u>	<u>Method Used</u>
1.	Fecal Coliform Bacteria	N.D(<1.8)	MPN/ 100ml	<1000	APHA 24 th Edition 9221 E & C

Remark : N.D. - Not Detected.

Authorised By- *Jyoti Chauhan*

Name: Jyoti Chauhan	Designation: Sr.Microbiologist
---------------------	--------------------------------

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
4) Re-sampling may be done, if required, with written approval of the laboratory.
5) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - MICROBIOLOGY

DOC. NO.: LAB-FMT-217	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – MICROBIOLOGY

REPORT NO.: OCT25/017/38 (ULR- TC134502500017550F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25W01	9.	Client Representative : Mr. Shailendra Rathore
3.	Sample Date: 13.10.2025	10.	Sample Collected By: Mr. Javed
4.	Packing Condition & Quantity: Sealed ✓	11.	Discipline: Biological
5.	Analysis commenced on: 15.10.2025	12.	Group: Water
6.	Analysis Completed on: 17.10.2025	13.	Product: Drinking Water
7.	Reporting Date: 27.10.2025	14.	Sampling Method: IS 1622
8.	Sampling Location: Main Storage Tank	15.	Sample Received Date: 15.10.2025

TEST RESULTS

S. No.	Parameters	Results	Unit (SI)	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Total Coliform Bacteria	: N.D(<1.1)	MPN/100ml	Shall not be detectable in any 100ml Sample	APHA 24 th Edition 9221 B & C
2.	Fecal Coliform Bacteria	: N.D(<1.1)	MPN/100ml		APHA 24 th Edition 9221 E & C
3.	E. coli	: Absent	/100ml		APHA 24 th Edition 9221 B & G

Remark : N.D. - Not Detected.

Authorised By-

Name: Jyoti Chauhan

Designation: Sr.Microbiologist

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 2) Re-sampling may be done, if required, with written approval of the laboratory.
 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT- MICROBIOLOGY		
DOC. NO.: LAB-FMT-203	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



TC-13450



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – MICROBIOLOGY

REPORT NO.: OCT25/017/39 (ULR- TC134502500017551F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25W02	9.	Client Representative: Mr. Shailendra Rathore
3.	Sample Date: 13.10.2025	10.	Sample Collected By: Mr. Javed
4.	Packing Condition & Quantity: Sealed ✓	11.	Discipline: Biological
5.	Analysis commenced on: 15.10.2025	12.	Group: Water
6.	Analysis Completed on: 17.10.2025	13.	Product: Drinking Water
7.	Reporting Date: 27.10.2025	14.	Sampling Method: IS 1622
8.	Sampling Location: MIS Office	15.	Sample Received Date: 15.10.2025

TEST RESULTS

S. No.	Parameters	Results	Unit (SI)	Specification/ SPCB Norms/ BIS Standards	Method Used
1.	Total Coliform Bacteria	: N.D(<1.1)	MPN/100ml	Shall not be detectable in any 100ml Sample	APHA 24 th Edition 9221 B & C
2.	Fecal Coliform Bacteria	: N.D(<1.1)	MPN/100ml		APHA 24 th Edition 9221 E & C
3.	E. coli	: Absent	/100ml		APHA 24 th Edition 9221 B & G

Remark : N.D. - Not Detected.

Authorised By-

Name: Jyoti Chauhan

Designation: Sr.Microbiologist

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 2) Re-sampling may be done, if required, with written approval of the laboratory.
 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT- MICROBIOLOGY		
DOC. NO.: LAB-FMT-203	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

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ENVIRONMENTAL MONITORING REPORT



LABORATORY TEST REPORT – SOLID WASTE

REPORT NO.: OCT25/017/40

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25HW01	3.	Client Representative: Mr. Shailendra Rathore
4.	Sampling Date: 13.10.2025	5.	Sampling location: ETP Sludge
6.	Analysis commenced on: 30.07.2025	7.	Analysis Completed on: 31.10.2025
8.	Reporting Date: 27.10.2025	9.	Sample Collected By: Mr. Javed
10.	Physical Status: Solid	11.	Discipline: Chemical
12.	Sample Category:	13.	Group: Pollution and Environment
14.	Colour: -	15.	Product: Solid Waste
16.	Description of sample: Packed and sealed in polythene bags.		
17.	Sample Received Date: 30.07.2025		

TEST RESULTS

<u>S.No.</u>	<u>Parameters</u>	<u>Unit (SI)</u>	<u>Results</u>	<u>Specification/ SPCB Norms/ BIS Standards</u>	<u>Method Used</u>
1.	pH	:	6.84	N.A.	APHA: 23 rd Edition 4500-H+ B
2.	COD	gm/Kg	2.45	N.A.	APHA : 23 rd Edition 5220 B
3.	BOD	gm/Kg	0.74	N.A.	IS 3025 PP-44
4.	Total Dissolved Solids	gm/Kg	15.04	N.A.	APHA: 23 rd Edition 2540 C
5.	Moisture	%	83.77	N.A.	Loss on drying Method
6.	Zinc	gm/Kg	0.086	N.A.	APHA: 23 rd Edition 3111 B

Remark : 5 % leachate solution prepared in DM Water

Authorised By - Sapana Amin

Name : Sapana Amin Designation: Lab Incharge

NOTE: 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT – SOLID WASTE

DOC. NO.: LAB-FMT-053	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – NOISE

REPORT NO.: OCT25/017/41 (ULR- TC134502500017552F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25N001	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 13.10.2025	7.	Analysis Completed on: 13.10.2025
8.	Reporting Date: 27.10.2025	9.	Sampling Location: ---
10.	Discipline: Chemical	13.	Sample Received Date : 13.10.2025
11.	Group: Atmospheric Pollution		
12.	Product: Source Noise Levels		

TEST RESULTS

S. No.	Location	Day		Night		Method
		Time	Reading dB(A)	Time	Reading dB(A)	
I Caustic Plant						
1.	Sodium Hypo Chloride	09:26 hr	62.3	22:25 hr	60.6	IS 9989: 1981
2.	HCl Synthesis	09:28 hr	63.8	22:28 hr	61.0	IS 9989: 1981
3.	Chloride Bottling Plant	09:30 hr	65.0	22:30 hr	62.3	IS 9989: 1981
4.	Liq.Chlorine Storage	09:32 hr	63.1	22:32 hr	58.7	IS 9989: 1981
5.	Compressor House	09:33 hr	68.1	22:35 hr	63.4	IS 9989: 1981
6.	Compressor & Brine Purifier Filter	09:35 hr	67.4	22:38 hr	60.6	IS 9989: 1981
7.	Outside salt Storage yard – 1	09:37 hr	63.8	22:40 hr	56.2	IS 9989: 1981
8.	Outside salt Storage yard – 2	09:38 hr	62.7	22:42 hr	60.4	IS 9989: 1981
9.	Center of Primary Brine Dept	09:40 hr	63.8	22:45 hr	57.2	IS 9989: 1981
10.	Center of Secondary Brine Dept	09:42 hr	61.4	22:48 hr	55.3	IS 9989: 1981
11.	Cell House	09:45 hr	62.7	22:50 hr	53.7	IS 9989: 1981
12.	Caustic Evaporation Plant	09:47 hr	63.8	22:52 hr	56.1	IS 9989: 1981
13.	Flaker Furnaces	09:48 hr	64.0	22:55 hr	57.6	IS 9989: 1981
14.	Hydrogen Bottling	09:50 hr	63.8	22:57 hr	60.1	IS 9989: 1981
15.	Nr. ADM Block	09:52 hr	62.1	22:58 hr	58.3	IS 9989: 1981
16.	Nr. Caustic Storage Tank	09:55 hr	63.8	22:59 hr	56.2	IS 9989: 1981

Remark : Limit as per Factory Act 85 dB(A)

Authorized By

Name : Sapana Amin

Designation: Lab Incharge

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – NOISE

REPORT NO.: OCT25/017/42 (ULR- TC134502500017553F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25NO01	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 13.10.2025	7.	Analysis Completed on: 13.10.2025
8.	Reporting Date: 27.10.2025	9.	Sampling Location: ---
10.	Discipline: Chemical	13.	Sample Received Date: 13.10.2025
11.	Group: Atmospheric Pollution		
12.	Product: Source Noise Levels/Ambient Noise Levels		

TEST RESULTS

S. No.	Location	Day		Night		Method
		Time	Reading dB(A)	Time	Reading dB(A)	
II Viscose Plant						
17.	Slurry Mixer	10:00 hr	65.3	23:00 hr	60.9	IS 9989: 1981
18.	Dissolver	10:02 hr	63.8	23:02 hr	56.4	IS 9989: 1981
19.	Spinning Old	10:03 hr	62.7	23:05 hr	58.7	IS 9989: 1981
20.	Spinning New	10:05 hr	63.1	23:08 hr	59.3	IS 9989: 1981
21.	Xanther Sec.	10:07 hr	64.8	23:10 hr	61.1	IS 9989: 1981
III After Treatment Plant						
22.	At Old Office Floor	10:10 hr	63.7	23:12 hr	56.3	IS 9989: 1981
23.	At Old Dryer	10:12 hr	62.8	23:15 hr	58.8	IS 9989: 1981
24.	At New Dryer	10:15 hr	65.0	23:18 hr	61.6	IS 9989: 1981
IV Textile						
25.	Textile Old	10:20 hr	63.8	23:22 hr	60.4	IS 9989: 1981
26.	Textile New	10:22 hr	64.7	23:25 hr	62.2	IS 9989: 1981
V H₂SO₄ Plant						
27.	Old Plant	10:25 hr	64.8	23:28 hr	61.9	IS 9989: 1981
28.	New Plant	10:28 hr	63.4	23:30 hr	60.4	IS 9989: 1981

Remark : Limit as per Factory Act 85 dB(A) for workplace Noise.

Authorized By - 

Name : Sapana Amin

Designation: Lab Incharge

NOTE :

- 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
- 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
- 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – NOISE

REPORT NO.: OCT25/017/43 (ULR- TC134502500017554F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25NO01	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 13.10.2025	7.	Analysis Completed on: 13.10.2025
8.	Reporting Date: 27.10.2025	9.	Sampling Location: - ---
10.	Discipline: Chemical	13.	Sample Received Date: 13.10.2025
11.	Group: Atmospheric Pollution		
12.	Product: Source Noise Levels		

TEST RESULTS

S. No.	Location	Day		Night		Method
		Time	Reading dB(A)	Time	Reading dB(A)	
VI Boiler House						
29	Shiff End Office	10:30 hr	64.8	23:32 hr	61.9	IS 9989: 1981
30	Dissolver	10:32 hr	63.7	23:33 hr	60.6	IS 9989: 1981
VII Power Plant						
31	Nr.Office	10:35 hr	62.1	23:34 hr	58.1	IS 9989: 1981
32	Near Control room	10:37 hr	63.7	23:35 hr	57.2	IS 9989: 1981
33	Turbin Room	10:38 hr	62.5	23:37 hr	60.6	IS 9989: 1981
34	Injector System	10:40 hr	63.7	23:38 hr	61.4	IS 9989: 1981
VIII CS2 Plant						
35	Storage Tank	10:42 hr	64.8	23:40 hr	62.2	IS 9989: 1981
36	Nr.Alkali Scrubber	10:44 hr	65.7	23:42 hr	63.1	IS 9989: 1981
37	D.G.Set	-	-	-	-	-
38	D.P.H	10:45 hr	65.8	23:44 hr	62.3	IS 9989: 1981
39	R O Plant	10:46 hr	63.7	23:45 hr	59.8	IS 9989: 1981
40	D M Plant (New)	10:47 hr	64.6	23:47 hr	61.7	IS 9989: 1981

Remark : Limit as per Factory Act 85 dB(A) for workplace Noise.

Authorized By -

Name : Sapana Amin	Designation: Lab Incharge
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NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – NOISE

REPORT NO.: OCT25/017/44 (ULR- TC134502500017555F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.	
2.	Sample ID: 2458608646 – 017OC25N001	3. Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5. Sample Collected By: Mr. Javed
6.	Analysis commenced on: 13.10.2025	7. Analysis Completed on: 13.10.2025
8.	Reporting Date: 27.10.2025	9. Sampling Location:- ---
10.	Discipline: Chemical	13. Sample Received Date: 13.10.2025
11.	Group: Atmospheric Pollution	
12.	Product: Source Noise Levels	

TEST RESULTS

S. No.	Location	Day		Night		Method
		Time	Reading dB(A)	Time	Reading dB(A)	
IX Residential Area						
41	Nr.Colony Gate (Birla Temple)	09:05 hr	64.8	22:10 hr	60.6	IS 9989: 1981
42	Nr.Guest House	09:00 hr	61.3	22:05 hr	57.1	IS 9989: 1981
43	Nr.Presidents Bungalow	09:15 hr	60.1	22:15 hr	54.3	IS 9989: 1981
44	Aditya Near Block J	09:20 hr	62.3	22:20 hr	58.7	IS 9989: 1981

Remark : Limit for Ambient Noise Day Time - 75 dB(A) / Night Time - 70 dB(A)

Authorized By - Sapana Amin

Name : Sapana Amin Designation: Lab Incharge

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



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ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – NOISE

REPORT NO.: OCT25/017/45 (ULR- TC134502500017556F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25NO02	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 13.10.2025	7.	Analysis Completed on: 13.10.2025
8.	Reporting Date: 27.10.2025	9.	Sampling Location:-----
10.	Discipline: Chemical	13.	Sample Received Date: 13.10.2025
11.	Group: Atmospheric Pollution		
12.	Product: Source Noise Levels		

TEST RESULTS

S. No.	Location	Day		Night		Method
		Time	Reading dB(A)	Time	Reading dB(A)	
1.	Caustic Plant (16 Point)	09:30 hr	63.8	22:25 hr	60.6	IS 9989: 1981
2.	Viscose Plant (05 Point)	10:00 hr	64.0	23:00 hr	61.2	IS 9989: 1981
3.	After Treatment Plant (03 Point)	10:10 hr	65.8	23:10 hr	59.8	IS 9989: 1981
4.	Textile (02 Point)	10:20 hr	63.7	23:20 hr	57.4	IS 9989: 1981
5.	H ₂ SO ₄ Plant (02 Point)	10:25 hr	64.8	23:28 hr	60.7	IS 9989: 1981
6.	Boiler House (02 Point)	10:30 hr	63.7	23:32 hr	59.1	IS 9989: 1981
7.	Power Plant (04 Point)	10:40 hr	64.8	23:35 hr	58.9	IS 9989: 1981
8.	CS ₂ Plant (06 Point)	10:45 hr	63.1	23:45 hr	60.6	IS 9989: 1981

Remark : Limit as per Factory Act 85 dB(A) for workplace Noise.

Authorized By -

Name : Sapana Amin

Designation: Lab Incharge

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
 2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
 3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - NOISE

DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --



TC-13450



KADAM LABS PRIVATE LIMITED

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

LABORATORY TEST REPORT – NOISE

REPORT NO.: OCT25/017/46 (ULR- TC134502500017557F)

SAMPLE DETAILS

1.	Name & Address of Client: M/s. Grasim Industries Ltd. Unit - Indian Rayon, Veraval - Junagadh Highway Road. Veraval, Gujarat 362266.		
2.	Sample ID: 2458608646 – 017OC25NO02	3.	Client Representative: Mr. Shailendra Rathore
4.	Sample Date: 13.10.2025	5.	Sample Collected By: Mr. Javed
6.	Analysis commenced on: 13.10.2025	7.	Analysis Completed on: 13.10.2025
8.	Reporting Date: 27.10.2025	9.	Sampling Location:-----
10.	Discipline: Chemical	13.	Sample Received Date: 13.10.2025
11.	Group: Atmospheric Pollution		
12.	Product: Source Noise Levels		

TEST RESULTS

S. No.	Location	Day		Night		Method
		Time	Reading dB(A)	Time	Reading dB(A)	
9.	Residential Area Plant (04 Point)	10:50 hr	65.0	23:50 hr	62.3	IS 9989: 1981
Remark : Limit for Ambient Noise Day Time - 75 dB(A) / Night Time - 70 dB(A)						
Authorized By - 						
Name : Sapana Amin				Designation: Lab Incharge		

NOTE : 1) Reports may be reproduced, if required, but only in full and only with written approval of the laboratory.
2) Re analysis of sample will be done, if requested within 7 days from the date of Reporting of sample if the samples are not consumed during analysis.
3) The results reported above relate to the sample identified under Sample Details.

-----END OF REPORT-----

TEST REPORT FORMAT - NOISE		
DOC. NO.: LAB-FMT-087	Issue No.: 01	Revision No.: 00
Effective Date: 26.03.2024	Issue Date: 26.03.2024	Revision Date: --

GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON

VERAVAL.

AMBIENT AIR MONITORING REPORT

Month : APRIL - 2025

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	PM 2.5	PM 10	CS ₂	H ₂ S	SO ₂	NO ₂	HCL	Cl ₂
					(MICROGRAMS/M ³)										
1	ON THE GUEST HOUSE TERRACE 07-04-2025	5.4	W - E	1440	0.5	1.3	720	49	94	31	27	24	17	BDL	BDL
	ON THE GUEST HOUSE TERRACE 22-04-2025	6.7	N - S	1440	0.5	1.3	720	57	97	39	33	21	19	BDL	BDL
2	ON THE ENGG. HOSTEL TERRACE 07-04-2025	5.4	W - E	1440	0.5	1.3	720	31	64	BDL	7	13	17	BDL	BDL
	ON THE ENGG. HOSTEL TERRACE 22-04-2025	6.7	N - S	1440	0.5	1.3	720	27	74	15	19	18	26	BDL	BDL
3	ON THE CAUSTIC PLANT TERRACE 07-04-2025	5.4	W - E	1440	0.5	1.3	720	40	79	18	19	17	21	BDL	BDL
	ON THE CAUSTIC PLANT TERRACE 22-04-2025	6.7	N - S	1440	0.5	1.3	720	28	69	12	15	13	19	BDL	BDL
4	ON THE ADMIN. OFFICE TERRACE 07-04-2025	5.4	W - E	1440	0.5	1.3	720	53	93	34	37	23	24	BDL	BDL
	ON THE ADMIN. OFFICE TERRACE 22-04-2025	6.7	N - S	1440	0.5	1.3	720	42	95	42	39	29	31	BDL	BDL

BDL = Below detectable limit

**GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON
VERAVAL.
AMBIENT AIR MONITORING REPORT**

Month : MAY - 2025

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	PM 2.5	PM 10	CS ₂	H ₂ S	SO ₂	NO ₂	HCL	Cl ₂
					(MICROGRAMS/M ³)										
1	ON THE GUEST HOUSE TERRACE 08-05-2025	7.6	S - N	1440	0.5	1.3	720	46	92	35	38	24	29	BDL	BDL
	ON THE GUEST HOUSE TERRACE 26-05-2025	6.5	W - E	1440	0.5	1.3	720	54	98	32	25	19	17	BDL	BDL
2	ON THE ENGG. HOSTEL TERRACE 08-05-2025	7.6	S - N	1440	0.5	1.3	720	21	72	BDL	BDL	17	12	BDL	BDL
	ON THE ENGG. HOSTEL TERRACE 26-05-2025	6.5	W - E	1440	0.5	1.3	720	29	67	BDL	9	18	16	BDL	BDL
3	ON THE CAUSTIC PLANT TERRACE 08-05-2025	7.6	S - N	1440	0.5	1.3	720	39	86	18	22	21	19	BDL	BDL
	ON THE CAUSTIC PLANT TERRACE 26-05-2025	6.5	W - E	1440	0.5	1.3	720	42	79	14	17	19	13	BDL	BDL
4	ON THE ADMIN. OFFICE TERRACE 08-05-2025	7.6	S - N	1440	0.5	1.3	720	54	97	37	44	24	18	BDL	BDL
	ON THE ADMIN. OFFICE TERRACE 26-05-2025	6.5	W - E	1440	0.5	1.3	720	56	95	42	36	21	27	BDL	BDL

BDL = Below detectable limit

GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON

VERAVAL.

AMBIENT AIR MONITORING REPORT

Month : JUNE - 2025

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	PM 2.5	PM 10	CS ₂	H ₂ S	SO ₂	NO ₂	HCL	Cl ₂
					(MICROGRAMS/M ³)										
1	ON THE GUEST HOUSE TERRACE 09-06-2025	8.9	W - E	1440	0.5	1.3	720	49	92	35	27	17	20	BDL	BDL
	ON THE GUEST HOUSE TERRACE 24-06-2025	5.3	S - N	1440	0.5	1.3	720	46	85	37	29	23	19	BDL	BDL
2	ON THE ENGG. HOSTEL TERRACE 09-06-2025	8.9	W - E	1440	0.5	1.3	720	23	74	BDL	11	19	17	BDL	BDL
	ON THE ENGG. HOSTEL TERRACE 24-06-2025	5.3	S - N	1440	0.5	1.3	720	19	62	BDL	BDL	13	17	BDL	BDL
3	ON THE CAUSTIC PLANT TERRACE 09-06-2025	8.9	W - E	1440	0.5	1.3	720	38	68	12	19	23	15	BDL	BDL
	ON THE CAUSTIC PLANT TERRACE 24-06-2025	5.3	S - N	1440	0.5	1.3	720	42	81	23	25	19	23	BDL	BDL
4	ON THE ADMIN. OFFICE TERRACE 09-06-2025	8.9	W - E	1440	0.5	1.3	720	52	89	46	39	25	23	BDL	BDL
	ON THE ADMIN. OFFICE TERRACE 24-06-2025	5.3	S - N	1440	0.5	1.3	720	57	97	42	36	23	19	BDL	BDL

BDL = Below detectable limit

**GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON
VERAVAL.
AMBIENT AIR MONITORING REPORT**

Month : JULY - 2025

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	PM 2.5	PM 10	CS ₂	H ₂ S	SO ₂	NO ₂	HCL	Cl ₂
					(MICROGRAMS/M ³)										
1	ON THE GUEST HOUSE TERRACE 08-07-2025	7.5	S - N	1440	0.5	1.3	720	51	89	29	21	18	20	BDL	BDL
	ON THE GUEST HOUSE TERRACE 28-07-2025	11.8	W - E	1440	0.5	1.3	720	31	69	17	14	13	16	BDL	BDL
2	ON THE ENGG. HOSTEL TERRACE 08-07-2025	7.5	S - N	1440	0.5	1.3	720	35	63	9	7	13	19	BDL	BDL
	ON THE ENGG. HOSTEL TERRACE 28-07-2025	11.8	W - E	1440	0.5	1.3	720	23	52	BDL	7	17	14	BDL	BDL
3	ON THE CAUSTIC PLANT TERRACE 08-07-2025	7.5	S - N	1440	0.5	1.3	720	29	81	23	14	19	17	BDL	BDL
	ON THE CAUSTIC PLANT TERRACE 28-07-2025	11.8	W - E	1440	0.5	1.3	720	36	75	17	19	11	13	BDL	BDL
4	ON THE ADMIN. OFFICE TERRACE 08-07-2025	7.5	S - N	1440	0.5	1.3	720	57	98	37	33	23	12	BDL	BDL
	ON THE ADMIN. OFFICE TERRACE 28-07-2025	11.8	W - E	1440	0.5	1.3	720	46	92	43	35	19	15	BDL	BDL

BDL = Below detectable limit

**GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON
VERAVAL.
AMBIENT AIR MONITORING REPORT**

Month : AUGUST - 2025

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	PM 2.5	PM 10	CS ₂	H ₂ S	SO ₂	NO ₂	HCL	Cl ₂
					(MICROGRAMS/M ³)										
1	ON THE GUEST HOUSE TERRACE 07-08-2025	6.1	E - W	1440	0.5	1.3	720	42	86	32	27	21	13	BDL	BDL
	ON THE GUEST HOUSE TERRACE 25-08-2025	7.6	W - E	1440	0.5	1.3	720	58	94	41	37	19	15	BDL	BDL
2	ON THE ENGG. HOSTEL TERRACE 07-08-2025	6.1	E - W	1440	0.5	1.3	720	39	69	BDL	10	9	14	BDL	BDL
	ON THE ENGG. HOSTEL TERRACE 25-08-2025	7.6	W - E	1440	0.5	1.3	720	32	74	BDL	BDL	12	10	BDL	BDL
3	ON THE CAUSTIC PLANT TERRACE 07-08-2025	6.1	E - W	1440	0.5	1.3	720	32	75	BDL	8	12	9	BDL	BDL
	ON THE CAUSTIC PLANT TERRACE 25-08-2025	7.6	W - E	1440	0.5	1.3	720	39	81	19	23	9	15	BDL	BDL
4	ON THE ADMIN. OFFICE TERRACE 07-08-2025	6.1	E - W	1440	0.5	1.3	720	49	91	43	39	17	16	BDL	BDL
	ON THE ADMIN. OFFICE TERRACE 25-08-2025	7.6	W - E	1440	0.5	1.3	720	54	96	37	32	23	17	BDL	BDL

BDL = Below detectable limit

GRASIM INDUSTRIES LIMITED- UNIT : INDIAN RAYON

VERAVAL.

AMBIENT AIR MONITORING REPORT

Month : SEPTEMBER - 2025

Sr. no.	LOCATION OF AMBIENT STATION	WIND VELOCITY Km/Hr.	WIND DIRECTION	SAMPLING TIME (MIN.)	AIR FLOW QUANTITY			ANALYSIS FOR							
					GAS (LPM)	SPM M3/MIN.	GAS LITRE	PM 2.5	PM 10	CS ₂	H ₂ S	SO ₂	NO ₂	HCL	Cl ₂
1	ON THE GUEST HOUSE TERRACE 09-09-2025	9.5	S - N	1440	0.5	1.3	720	49	89	35	27	20	17	BDL	BDL
	ON THE GUEST HOUSE TERRACE 26-09-2025	4.3	W - E	1440	0.5	1.3	720	41	98	29	23	16	26	BDL	BDL
2	ON THE ENGG. HOSTEL TERRACE 09-09-2025	9.5	S - N	1440	0.5	1.3	720	23	56	BDL	BDL	17	20	BDL	BDL
	ON THE ENGG. HOSTEL TERRACE 26-09-2025	4.3	W - E	1440	0.5	1.3	720	29	69	10	8	17	8	BDL	BDL
3	ON THE CAUSTIC PLANT TERRACE 09-09-2025	9.5	S - N	1440	0.5	1.3	720	40	76	23	27	19	23	BDL	BDL
	ON THE CAUSTIC PLANT TERRACE 26-09-2025	4.3	W - E	1440	0.5	1.3	720	33	89	20	22	26	19	BDL	BDL
4	ON THE ADMIN. OFFICE TERRACE 09-09-2025	9.5	S - N	1440	0.5	1.3	720	52	96	46	39	27	28	BDL	BDL
	ON THE ADMIN. OFFICE TERRACE 26-09-2025	4.3	W - E	1440	0.5	1.3	720	30	84	39	31	21	18	BDL	BDL

BDL = Below detectable limit

GRASIM INDUSTRIES LIMITED.

UNIT : INDIAN RAYON

VERAVAL

Analysis of Treated Effluent Water

Month: APRIL - 2025

DATE	PLANT INLET						PLANT OUTLET							
	pH	ZINC	S.S.	O & G	C.O.D.	B.O.D.	pH	ZINC	S.S.	O & G	COD	B.O.D.	COLOUR	Temp.
		Mg/L	Mg/L	Mg/L	Mg/L	Mg/L		Mg/L	Mg/L	Mg/L	Mg/L	Mg/L	Units.	°C
1	1.67	92.9					7.38	< 1.0	24					37
2	1.58	94.2					7.26	< 1.0	27		152	43		37
3	1.56	92.9					8.15	< 1.0	25					37
4	1.51	103.3	84	34	526	165	6.71	< 1.0	23	1	139	36	10	37
5	1.49	105.9					7.94	< 1.0	34					38
6	1.61	119.0					8.08	< 1.0	26					38
7	1.47	116.4					6.52	< 1.0	42					37
8	1.58	107.3					8.06	< 1.0	65					38
9	1.87	41.9					7.61	< 1.0	28		122	33		38
10	1.50	128.2					7.60	< 1.0	27					38
11	1.76	73.2	71	27	452	132	7.56	< 1.0	31	2	141	39	10	38
12	1.58	102.0					7.64	< 1.0	34					38
13	1.33	228.0					7.10	< 1.0	48					39
14	1.50	105.9					7.45	< 1.0	27					38
15	1.49	116.4					6.69	< 1.0	45					38
16	1.54	96.8					7.37	< 1.0	24		156	44		38
17	1.45	120.3					7.65	< 1.0	27					38
18	1.41	119.0	79	31	400	124	7.73	< 1.0	42	1	118	31	10	38
19	1.57	92.9					7.20	< 1.0	25					38
20	1.56	105.9					7.45	< 1.0	29					39
21	1.50	119.0					6.81	5.2	23					38
22	1.39	123.0					7.20	< 1.0	26					38
23	1.41	139.9					6.70	< 1.0	38		154	43		38
24	1.34	116.4					8.21	< 1.0	34					39
25	1.49	96.8	64	29	432	129	6.94	< 1.0	24	1	144	37	10	38
26	1.50	105.9					6.77	< 1.0	33					39
27	1.62	92.9					7.35	< 1.0	29					39
28	1.38	120.3					7.28	< 1.0	36					38
29	1.53	75.9					7.56	< 1.0	29					38
30	1.65	92.9					7.50	< 1.0	38		164	47		39

GRASIM INDUSTRIES LIMITED.
UNIT : INDIAN RAYON
VERAVAL
Analysis of Treated Effluent Water
Month: May - 2025

DATE	PLANT INLET					pH	PLANT OUTLET							
	pH	ZINC Mg/L	S.S. Mg/L	O & G Mg/L	C.O.D. Mg/L	B.O.D. Mg/L	ZINC Mg/L	S.S. Mg/l	O & G Mg/L	COD Mg/L	B.O.D. Mg/L	COLOUR Units.	Temp. °C	
1	1.37	96.8					7.20	< 1.0	27					37
2	1.77	79.8	78	37	442	139	7.08	< 1.0	24	1	152	44	10	37
3	1.98	40.5					7.94	< 1.0	22					37
4	1.76	92.9					8.05	< 1.0	39					37
5	1.52	81.1					7.07	< 1.0	23					38
6	1.61	58.9					7.79	< 1.0	27					38
7	1.40	117.7					7.66	< 1.0	21		139	37		37
8	1.42	120.3					7.38	< 1.0	32					38
9	1.68	68.0	64	26	374	107	7.76	< 1.0	56	2	158	45	10	38
10	1.58	87.6					7.10	< 1.0	35					38
11	1.62	92.9					7.50	< 1.0	28					37
12	1.35	147.8					7.13	< 1.0	24					38
13	1.27	158.3					7.58	< 1.0	31					39
14	1.67	60.2					8.21	< 1.0	34		134	36		37
15	1.74	39.2					6.50	< 1.0	27					38
16	1.50	69.3	75	34	498	142	8.19	< 1.0	24	1	149	39	10	37
17	1.57	87.6					7.37	< 1.0	22					38
18	1.64	103.3					7.00	< 1.0	41					37
19	1.69	83.7					6.80	< 1.0	37					38
20	1.42	116.4					6.88	< 1.0	21					37
21	1.62	64.1					8.11	< 1.0	28		127	31		38
22	1.72	74.6					8.32	< 1.0	43					38
23	1.56	74.6	81	31	421	123	8.01	< 1.0	22	1	138	37	10	37
24	1.51	94.0					6.77	< 1.0	37					39
25	1.20	185.7					7.75	< 1.0	44					37
26	1.26	108.6					7.15	< 1.0	64					39
27	1.27	126.9					7.40	< 1.0	38					38
28	1.35	136.0					8.08	< 1.0	36		132	35		37
29	1.33	109.9					7.61	< 1.0	72					38
30	1.48	85.0	56	29	398	117	8.01	< 1.0	41	1	141	37	10	38
31	1.72	61.5					8.11	< 1.0	29					39

GRASIM INDUSTRIES LIMITED.

UNIT : INDIAN RAYON

VERAVAL

Analysis of Treated Effluent Water

Month: June - 2025

DATE	PLANT INLET						pH	PLANT OUTLET						
	pH	ZINC	S.S.	O & G	C.O.D.	B.O.D.		ZINC	S.S.	O & G	COD	B.O.D.	COLOUR	Temp.
	Mg/L	Mg/L	Mg/L	Mg/L	Mg/L	Mg/L		Mg/L	Mg/l	Mg/L	Mg/L	Mg/L	Units.	°C
1	1.72	61.5					8.15	< 1.0	21					39
2	1.24	133.4					8.24	< 1.0	24					38
3	1.33	103.3					8.09	< 1.0	25					37
4	1.30	96.8					7.81	2.6	56	142	39			35
5	1.57	90.3					7.17	< 1.0	22					36
6	1.36	126.9	74	37	431	129	6.72	< 1.0	29	1	159	44	10	36
7	1.56	96.8					7.20	< 1.0	27					37
8	1.44	100.7					7.10	< 1.0	31					37
9	1.49	96.8					8.05	< 1.0	23					35
10	1.65	62.8					7.38	3.9	28					36
11	1.45	103.3					7.29	< 1.0	36	138	36			36
12	1.37	90.3					6.60	6.5	41					36
13	1.42	103.3	56	29	459	141	8.16	< 1.0	56	1	151	42	10	36
14	1.24	158.3					7.52	< 1.0	35					36
15	1.54	94.2					7.63	< 1.0	21					37
16	1.59	74.6					7.40	< 1.0	20					35
17	1.52	103.3					6.62	< 1.0	48					35
18	1.70	64.1					6.97	< 1.0	25	162	46			35
19	1.30	126.9					7.60	< 1.0	37					36
20	1.55	74.6	61	32	347	102	6.72	< 1.0	26	2	154	41	10	35
21	1.30	95.5					7.03	< 1.0	72					35
22	1.51	96.8					8.41	< 1.0	41					36
23	1.34	117.7					8.05	< 1.0	66					35
24	1.69	87.6					6.62	< 1.0	37					35
25	1.68	70.4					8.02	< 1.0	41	139	37			36
26	1.50	79.8					8.22	< 1.0	92					35
27	1.15	117.7	67	26	402	123	8.19	< 1.0	34	2	167	49	10	34
28	1.45	92.9					8.06	5.2	24					35
29	1.60	94.2					7.39	< 1.0	56					34
30	1.51	51.0					6.60	< 1.0	27					35

GRASIM INDUSTRIES LIMITED.
UNIT : INDIAN RAYON
VERAVAL
Analysis of Treated Effluent Water
Month: July - 2025

DATE	PLANT INLET					pH	PLANT OUTLET						
	ZINC Mg/L	S.S. Mg/L	O & G Mg/L	C.O.D. Mg/L	B.O.D. Mg/L		ZINC Mg/L	S.S. Mg/l	O & G Mg/L	COD Mg/L	B.O.D Mg/L	COLOUR Units.	Temp. °C
1	1.37	79.8				8.35	< 1.0	29					35
2	1.19	100.7				7.41	< 1.0	34		162	45		36
3	1.91	103.3				7.55	< 1.0	27					33
4	12.52	13.1	71	31	268	75	7.98	< 1.0	42	1	154	42	10
5	0.93	227.6				7.60	< 1.0	56					32
6	2.00	54.9				7.37	< 1.0	23					33
7	12.75	13.1				7.41	< 1.0	92					33
8	11.12	116.4				6.42	< 1.0	48					36
9	1.01	168.7				6.56	< 1.0	34		148	39		36
10	0.77	194.9				8.07	< 1.0	42					36
11	1.04	158.3	65	27	422	123	7.40	< 1.0	35	1	166	46	10
12	1.28	103.3				6.64	< 1.0	19					34
13	1.39	903.0				6.90	< 1.0	30					36
14	1.51	81.1				6.57	< 1.0	25					36
15	1.23	85.0				6.85	< 1.0	16					35
16	1.28	87.6				7.64	< 1.0	19		141	39		36
17	1.43	71.9				7.88	5.2	21					37
18	1.28	92.8	78	37	397	117	6.82	3.9	42	2	187	53	10
19	1.41	103.3				7.15	2.6	29					36
20	1.47	90.3				7.26	< 1.0	27					34
21	1.26	96.8				8.37	< 1.0	30					34
22	1.22	113.8				7.17	< 1.0	28					36
23	1.30	105.9				7.75	< 1.0	21		152	42		35
24	1.12	126.9				7.40	< 1.0	27					35
25	0.92	210.6	59	42	418	128	6.52	< 1.0	23	3	172	50	10
26	2.81	34.0				6.89	< 1.0	29					33
27	1.35	235.4				8.13	< 1.0	37					32
28	0.88	317.8				6.38	< 1.0	26					31
29	1.18	92.9				7.17	< 1.0	38					33
30	1.24	109.9				6.70	< 1.0	21		164	47		35
31	1.12	116.4				7.97	< 1.0	28					36

GRASIM INDUSTRIES LIMITED.
UNIT : INDIAN RAYON
VERAVAL
Analysis of Treated Effluent Water
Month: August - 2025

DATE	PLANT INLET					pH	PLANT OUTLET							
	pH	ZINC Mg/L	S.S. Mg/L	O & G Mg/L	C.O.D. Mg/L	B.O.D. Mg/L	ZINC Mg/L	S.S. Mg/l	O & G Mg/L	COD Mg/L	B.O.D. Mg/L	COLOUR Units.	Temp. °C	
1	1.31	92.9	78	35	429	134	7.47	< 1.0	18	1	162	46	10	36
2	1.16	113.8					7.52	< 1.0	24					36
3	1.34	102.0					7.10	< 1.0	27					37
4	1.27	62.8					7.19	< 1.0	34					36
5	1.20	81.1					6.91	< 1.0	31					36
6	1.10	166.1					7.09	< 1.0	19		146	42		37
7	1.34	99.4					7.45	< 1.0	23					36
8	1.16	107.3	81	27	467	147	7.40	< 1.0	27	2	168	51	10	36
9	1.30	103.3					7.70	< 1.0	21					35
10	1.37	105.9					7.23	< 1.0	29					37
11	1.20	96.8					7.41	< 1.0	42					35
12	1.21	102.0					7.25	< 1.0	24					36
13	1.17	100.7					7.08	< 1.0	69		142	38		36
14	1.20	92.9					7.45	< 1.0	72					34
15	1.32	102.0	64	31	402	123	7.80	< 1.0	27	1	156	46	10	36
16	1.42	105.9					6.74	< 1.0	32					34
17	1.40	82.4					7.50	< 1.0	35					33
18	1.25	105.9					7.10	< 1.0	19					36
19	1.27	83.7					7.70	< 1.0	18					32
20	1.07	113.8					7.63	< 1.0	17		132	34		31
21	1.39	107.3					8.09	< 1.0	38					35
22	1.28	92.9	72	22	374	112	6.98	< 1.0	17	1	187	55	10	35
23	1.33	87.6					7.50	< 1.0	21					32
24	1.42	92.9					7.16	< 1.0	29					31
25	1.30	100.7					8.35	< 1.0	22					31
26	1.21	107.3					7.90	< 1.0	25					35
27	1.29	109.9					7.09	< 1.0	28		165	49		36
28	1.28	64.1					8.20	< 1.0	21					36
29	1.16	70.6	81	34	512	159	7.20	< 1.0	19	2	172	52	10	33
30	1.21	116.4					7.40	< 1.0	71					37
31	1.32	105.9					7.35	< 1.0	29					36

GRASIM INDUSTRIES LIMITED.
UNIT : INDIAN RAYON
VERAVAL
Analysis of Treated Effluent Water
Month: SEPTEMBER - 2025

DATE	PLANT INLET						PLANT OUTLET							
	pH	ZINC	S.S.	O & G	C.O.D.	B.O.D.	pH	ZINC	S.S.	O & G	COD	B.O.D.	COLOUR	Temp.
		Mg/L	Mg/L	Mg/L	Mg/L	Mg/L		Mg/L	Mg/L	Mg/L	Mg/L	Mg/L	Units.	°C
1	1.20	85.0					7.64	7.8	27					36
2	1.07	185.7					7.76	6.5	32					37
3	1.17	81.1					7.30	< 1.0	24		144	43		37
4	1.33	61.5					7.45	6.5	29					36
5	1.45	64.1	57	27	346	105	7.20	5.2	56	1	162	48	10	35
6	1.25	94.2					7.23	< 1.0	41					35
7	1.32	105.9					6.90	< 1.0	30					35
8	1.01	149.1					7.60	6.5	79					36
9	1.13	103.3					7.17	< 1.0	21					34
10	0.88	168.7					7.09	< 1.0	42		138	40		31
11	1.26	153.0					7.25	< 1.0	19					31
12	1.18	115.1	65	34	467	143	7.38	< 1.0	23	1	169	49	10	31
13	1.10	104.6					8.01	< 1.0	37					32
14	1.29	105.9					7.62	< 1.0	26					30
15	1.07	142.6					7.46	< 1.0	24					30
16	1.34	92.9					8.12	< 1.0	15					31
17	1.07	171.3					7.00	< 1.0	25		187	55		31
18	1.20	94.2					7.47	< 1.0	19					33
19	1.16	90.3	71	31	396	117	7.60	< 1.0	23	trace	172	51	10	32
20	1.20	96.8					6.81	< 1.0	20					31
21	1.16	105.9					7.06	< 1.0	34					31
22	1.04	136.0					7.92	< 1.0	22					31
23	1.15	105.9					6.98	< 1.0	62					31
24	1.11	107.3					7.30	< 1.0	17		156	45		30
25	0.92	166.1					7.55	< 1.0	15					32
26	0.83	299.5	56	29	546	176	7.31	< 1.0	28	2	166	48	10	31
27	0.88	198.8					7.28	< 1.0	56					31
28	1.02	119.0					7.10	< 1.0	27					32
29	0.93	166.1					7.02	2.6	69					33
30	1.23	77.2					6.94	< 1.0	39					32



CSR Report - Veraval

April-25 to Sept.-25



Nutrition Kit Distribution/26 Village & Veraval City/ 180 Beneficiaries

Video shoot for Documentary on Indian Rayon CSR Activities



**Video shoot for
Documentary
on Indian
Rayon CSR
Activities/
6Villages &
Veraval city**



Navarati Celebration with Communities



**Navratri
Celebration/
500 Girls/
Veraval city**



Other Initiatives



**Farmers
Meeting**
**20 Farmers/
1 programs/**



**Village
Library/2
Village/134
beneficiaries**



**Mass
Marriages/
123
Couples/3
villages and 2
community
area of
Veraval**



**Beat the Plastic
Pollution/5000
Cloth
bags/Organize
d by Veraval-
Patan Joint
Municipality**



**Medical
Camp/303
participants/ 1
Village/2
Veraval City**



**Homeopathy
Camp/ 50
participants/
Veraval**



**Awareness for
World No -
Tobacco Day/2
Village/89
Participants**



**Janamashtami
Celebration/
Sweet
Distribution
/800 House
hold/ Veraval
City**

Other Initiative



**Senior
Citizen Card
Camp/ /138
Senior
Citizens/
Veraval**



**Thalassemia
Detection
Camp/3
Colleges /269
Students/
Veraval**



**Tejaswini
Scholorship
Program/ 1
Village/49
Girl students**



**Support in Pond
Deepening/1
Village /2000
Beneficiaries**

Other Initiative



**International
Yoga Day
Celebration/
/90
Students/
KGBV, Adri**



**HB Testing
and Blood
Grouping/
433
Students/ 2
KGBV/ 2
villages**

Media Coverage



ઇન્ડિયન રેયોન અને વેરાવળ નગરપાલિકા દ્વારા સંયુક્ત ઉપક્રમે રોપા અને કાપડની થેલીનું વિતરણ કરાયું...

વેરાવળ પાલિકા પ્રમુખ પલ્ટલીબેન જાનીની ઉપસ્થિતિમાં ઇન્ડિયન રેયોન અને પાલિકાના સંયુક્ત ઉપક્રમે ફૂલ-છોડના કૂંડા અને કાપડની થેલીનું વિતરણ કરવામાં આવ્યું. વિશ્વ પર્યાવરણ દિવસે પ્લાસ્ટિકનો વપરાશ બંધ કરીને નાગરિકો પર્યાવરણના જતનમાં સહભાગી બને એવા ઉદ્દેશ્ય સાથે ટ્રસ્ટના યેતમેન શાણાંક પરીખના માર્ગદર્શન હેઠળ ઇન્ડિયન રેયોન જનસેવા ટ્રસ્ટ તરફથી નાગરિકોને કાપડની થેલીનું વિતરણ કરવામાં આવ્યું હતું. આ વિતરણમાં ઇન્ડિયન રેયોન જનસેવા ટ્રસ્ટના ટ્રસ્ટી કૃધ્યાગોપાલ ગનેરીવાલ, અગ્રણી જયદેવભાઈ જાની સહિત કર્મચારીઓ અને લાયન્ઝનિંગ, હોટીસ્ક્રિપ્ટર અને એન્વાયન્ઝેન્ટ ટીમના કર્મચારીઓ ઉપસ્થિત રહ્યા હતાં.

આપના વિસ્તારમાં ભનતી ઘટના ફૂર્યટનાના સમાચાર પ્રસિદ્ધ કરવા અને અમારા વોટ્સ એપ્પ ચુપ્પમાં જોડાવા આપેલા નંબર પર મેસેજ કરો: 87585 48839

લક્ષ્ય લાઈબ્રેરી વેસાવળ

ਕਿਸੀ ਵੱਡੀ ਸੰਸਾਰੀ ਸਾਡਾ ਸੰਖੇਪੀਤ ਵੇਖਣੀ ਨਾ ਹੋ। ਕਿਵੇਂ ਆਪਾ ਕੇਵਾਂ ਕੀ ਹੋਵੇ ਪ੍ਰੇਰਣਾ-ਸ਼ਕਤੀਆਂ ਅਤੇ ਸੁਖ-ਦੁਖਾਂ ਨੂੰ?



← JAIHIND E-PAPER_06-06-...

કુલ-છોડના કૂંડા-કાપડની થેલીનું વિતરણ કરી
નાગરિકોને પર્યાવરણ જીતનનો સંદેશો અપાયો
ઈન્ડિયન રેયોન અને વેરાવળ નગરપાલિકા દ્વારા સંયુક્ત ઉપક્રમે વિતરણ.

वेशवाण पाटस्त संयुक्त
शरणाविका प्रमुख पश्चविलेन
नीनी उपस्थितिमां इन्दियन रेयोन
नेने वेशवाण नगराविका द्वारा
विकल उपस्थि वै-दोला को नेम
द्वारा द्वारा चेमेन शास्त्रांग परीपना
भागवद्विन हेण इन्दियन रेयोन
जनसेवा दूसर तरक्की नागरिकोने
कापडी येवानु वितरण कर्त्तव्यामां
आव्यं तत् आ वितरणमां इन्दियन रेयोन
जनसेवा दूसरा द्वारा कृष्णगोपाल
जनसेवा अव्याप्त अव्याप्त अव्याप्त
नगराविका नागरिकोने अव्याप्त
नगराविका नागरिकोने अव्याप्त
नगराविका नागरिकोने अव्याप्त

ખાલીના ઉપરોક્તિથી થતા
કર્મચારીઓ અને કાયળનિયમ,
કુશળ વિશેની લોકોમાં વાયરિટી
લોકીલક્ષણ અને અનુભાવનિયમ દીકાન

← SAMIXA 02-10-... 🔍 ⚡ ⚡ ⚡

વેરાવળની ચોકસી કોલેજ-ગવર્ન્મેન્ટ સાયન્સ કોલેજ
ખાતે થેલેસેમીયા માર્ગદર્શન અને ટેસ્ટ કેમ્પ યોજાયો



ପିଲିକୁଳ ଜିଲ୍ଲା	କାନ୍ଦିଲାପାଳିକା ଜିଲ୍ଲା

← Jai-Hind_Epaper_1-10-202...

પેરાવળની સરકારી વિજ્ઞાન કોલેજ ખાતે થેલેસેમિયા જાગૃતિ સેમિનાર યોજાયો

ઈન્ડિયન રેયોન-રેકોસના સહયોગથી થેલેસેમિયાની તપાસ કસ્પામાં આવી



ପ୍ରକାଶକ: ମିଶନ ଫାର୍ମ

વेरावળના સારસવા ગામ ખાતે વ્યસન મુક્ત ઘરની આવકારદાયક પહેલ

વ્યસનની કૂટેવથી દૂર રહેલા તમામ ઘરોને 'વ્યસન મુક્ત ઘર' ની નેમાલેટ અપાઈ

(પ્રતિનિધિ દ્વારા) વેરાવળ તા. ૪ ગીર સોમનાથ જિલ્લાના ઈન્યાર્જ મુખ્ય જિલ્લા આરોગ્ય અધિકારી ડૉ. અલ્લા રોય તેમજ એપેડિમિક મેડીકલ ઓફિસર ડૉ. ડૉ. કે. ગોસ્વામીના માર્ગદર્શન હેઠળ વિશ્વ તમાકુ નિષેધ દિવસની ઉજવણીના ભાગડુધે વેરાવળ તાલુકાના સારસવા ગામ ખાતે જિલ્લા તમાકુ નિયંત્રણ સેલ તેમજ ઇન્ડિયન રેયોન-જનસેવા ટ્રૂસ્ટના સંયુક્ત ઉપકરે રાનીસભા યોજાઈ હતી. વિશ્વ તમાકુ નિષેધ દિવસની ઉજવણીના ભાગડુધે યોજાયેલી આ રાનીસભામાં ઉપસ્થિત તમામ ગ્રામજનોને તમાકુ વિરોધી વીડિયો, તમાકુ થી થતા નુકસાન, તમાકુ છોડવા માટેના ઉપાય, તમાકુ વિરોધી કાયદાની માહિતી આપવામાં આવી હતી. તેમજ ગામમાં વ્યસનનું પ્રમાણ વધુ હોવાના કારણે સારસવા ગામ ખાતે વ્યસનમુક્તઘર ની નવી પહેલ શરૂ કરવામાં આવી હતી. આ પહેલ અંતર્ગત



(તસ્વીર: મીલન છકરા)

વ્યસન મુક્ત તમામ ઘરોને 'વ્યસન મુક્ત ઘર' ની નેમાલેટ આપી ઘરની બહાર મુખ્ય સ્થાન પર રાખી અન્યને પણ પ્રોત્સાહન આપવામાં મદદૂર બને તેવું જાણવામાં આવ્યું હતું. ઇન્ડિયન રેયોન-જનસેવા ટ્રૂસ્ટ દ્વારા તમામ ઘરોને બેગ આપી પ્રોત્સાહિત કરવામાં આવ્યાં હતાં. આ જ રીતે ગીર સોમનાથ જિલ્લાના તમાકુ નિષેધ દિવસની ઉજવણીના ભાગડુધે યોજાયેલી આ રાનીસભામાં ઉપસ્થિત તમામ તેવી સુંબેશમાં સોને સહભાગી બનવા ગ્રામજનોને તમાકુ વિરોધી વીડિયો, આપી કરવામાં આવી હતી. તમાકુ થી થતા નુકસાન, તમાકુ નાગરિકોમાં તમાકુ વિરોધી લાગીને સ્વસ્થ, તમાકુ-મુક્તઘરવિષ્ય કાયદાની માહિતી આપવામાં આવી બનાવી વ્યસનમુક્ત સમાજની રથના હતી. તેમજ ગામમાં વ્યસનનું પ્રમાણ કરવાનો સંદર્ભ અપાયો હતો.

જાગૃતિ લાખીને સ્વસ્થ, તમાકુ-મુક્તઘરવિષ્ય બનાવી વ્યસનમુક્ત સમાજની રથના કરવાનો સંદર્ભ અપાયો હતો. આ કાર્યકર્મમાં જિલ્લા તમાકુ નિયંત્રણ સેલના સોશિયલ વર્કર દિસ્ટ્રીબેન વ્યાસ સહિતના ઉર્ભયારીઓ, ઇન્ડિયન રેયોન-જનસેવાટ્રૂસ્ટના પ્રતિનિધિઓ ઇન્યાર્જ મુખ્ય જિલ્લા આરોગ્ય ડૉ. ડૉ. કે. ગોસ્વામીના માર્ગદર્શન હેઠળ વિશ્વ તમાકુ નિષેધ દિવસની ઉજવણીના ભાગડુધે વેરાવળ તાલુકાના સારસવા ગામ ખાતે વ્યસનમુક્ત બને તેવી સુંબેશમાં સોને સહભાગી બનવા ગ્રામમાંથી એ.ડી.એમ.ઓ સીમાબેન ખીમાડી ઉપસ્થિત રહ્યાં હતાં.

9/16

સારસવા ગામ ખાતે "વ્યસન મુક્ત ઘર" ની આવકારદાયક પહેલ વ્યસનની કૂટેવથી દૂર રહેલા તમામ ઘરોને 'વ્યસન મુક્ત ઘર' ની નેમાલેટ અપાઈ



ગીર સોમનાથ તા. ૦૪ અધિકારી શ્રી ડૉ. અલ્લા રોય તેમજ ગીર સોમનાથ જિલ્લાના અધિકારી શ્રી ડૉ. કે. ગોસ્વામીના માર્ગદર્શન એપેડિમિક મેડીકલ ઓફિસર શ્રી ડૉ. ડૉ. કે. ગોસ્વામીના માર્ગદર્શન હેઠળ વિશ્વ તમાકુ નિષેધ દિવસની ઉજવણીના ભાગડુધે વેરાવળ તાલુકાના સારસવા ગામ ખાતે નેમાલેટ આપી ઘરની બહાર મુખ્ય નિયંત્રણ અમિતભાઈ તથા, સ્થાન પર રાખી અન્યને પણ ભગવાનભાઈ, સરપંચશ્રી, જિલ્લા પ્રોત્સાહન આપવામાં મદદૂર બને પંચાયત આરોગ્ય શાખામાંથી એ.ડી.એમ.ઓ સીમાબેન ખીમાડી ઉપસ્થિત રહ્યાં હતાં.

૧.તા. ૭ જુને
અગિયારસ

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ટીબી મુક્ત ભારત અભિયાન અંતર્ગત ન્યુટ્રીશન વિતરણ કાર્યક્રમ અને હેલ્થ ચેકઅપ ભારત સરકારના આરોગ્ય અને કુટુંબ કલ્યાણ મંત્રાલય દ્વારા ચાલી રહેલા "ટીબી મુક્ત ભારત અભિયાન" અંતર્ગત આજે ઈન્ડિયન રેયોન જન સેવા ટ્રસ્ટ ના સહયોગથી પોષણ વિતરણ કાર્યક્રમ અને હેલ્થ ચેકઅપ કાર્યક્રમ યોજાયો હતો.

આ કાર્યક્રમમાં ગીર સોમનાથ જિલ્લાના કલેક્ટરશ્રી ઉપાધ્યાય સાહેબ મુખ્ય મહેમાન તરીકે ઉપસ્થિત રહ્યા હતા. કાર્યક્રમ દરમયાન કલેક્ટરશ્રીએ દર્દીઓ સાથે સંવાદ સાધી તેમને પોષણયુક્ત આહાર લેવાની પ્રેરણા

આપી તથા જણાયું કે -

"ટીબી મુક્ત ભારત એ માત્ર સરકાર નહીં પરંતુ સમગ્ર સમાજનો સંકલ્પ છે. દર્દીઓને યોગ્ય સારવાર સાથે પૂર્તું પોષણ મળો તો જ તેઓ ગ્રામ્યાલાબ મેળવી શકે છે."

કાર્યક્રમ દરમયાન ઈન્ડિયન રેયોન જન સેવા ટ્રસ્ટ દ્વારા નોંધાયેલા 80 ટીબી દર્દીઓને અનાજ, કઠોળ, તેલ તથા પોષણયુક્ત ખાદ્ય સામગ્રીનું વિતરણ કરવામાં આવ્યું હતું.

આ પ્રસંગે આરોગ્ય વિભાગના અધિકારીઓ, ઈન્ડિયન રેયોન યુનિટ હેડ શારાંક સાહેબ HR હેડ કિરણ ગોપાલ સાહેબ જિલ્લા ક્ષય અધિકારી ડૉ. શીતલ રામ તેમજ જિલ્લા ક્ષય કેન્દ્રનો સ્ટાફ અને ટીબીના દર્દીઓ મોટી સંખ્યામાં હાજર રહ્યા હતા. આવા કાર્યક્રમો દ્વારા ગીર સોમનાથ જિલ્લાને ટીબી મુક્ત જિલ્લો બનાવવા માટેના પ્રયાસો વધુ ગતિમાન બનશે.



જિલ્લા વહીવઠી તંગ, ગીર સોમનાથ



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કાર્યક્રમ*
આજરોજ કલેક્ટર સાહેબ શ્રી ની ઉપસ્થિતિમાં
જનસેવા ટ્રસ્ટ દ્વારા વેરાવળ તાલુકાના તમામ દર્દીઓને
ન્યુટ્રીશન આપવામાં આવી હતી



NHM Gujarat and 6 others

Appreciation from Government



Appreciation from the Government TB Cell in the presence of MLA-Talala & District Collector for our contribution in “TB MUKT BHARAT ABHIYAN”



Happiness is
our
achievement

Thanks!