



November 28, 2023

No. 1920/Env-SFD/MOEF/RO/BPL/EC-SFD

Director
Ministry of Environment, Forest and Climate Change,
Regional Office (WZ),
E-5, Kendriya Paryavaran Bhawan,
E-5 Arera Colony, Link Road-3,
Ravishankar Nagar,
Bhopal – 462016

Sub: Submission Environment Clearance Compliance Report for the period from April 2023 to September 2023 for Grasim Industries Limited, Staple Fibre Division, P.O. Birlagram, Nagda, District Ujjain – 456 331, M.P.

Ref: Environment Clearance Issued vide File No. J-11011/322/216-IA-II (I) dated 29.05.2020

Dear Sir,

This has reference to above cited environment clearance & condition prescribed therein and provisions of Section 10 of EIA Notification, dated 2006.

We are enclosing with this letter Six Monthly point wise Environment Clearance Compliance Report and summary of monitoring results for the period from April - 2023 to September - 2023 of Grasim Industries Limited, **Staple Fibre Division** as per Environment Clearance received dated 29.05.2020.

We would like to inform you that the project expansion activity related to EC Issued vide File No. J-11011/322/216-IA-II (I) dated 29.05.2020 has not been started due Covid-19 Pandemic and associated sluggish market demand.

We are also sending the compliance report to MoEF&CC Regional Office, Bhopal through e-mail address on rowz.bpl-mef@nic.in.

Hope you will find the information provided in order, we shall be happy to furnish further details / clarifications, if required.

Thanking you,
Yours faithfully,

Shantanu Kulkarni
President & Unit Head

CC:

- 1. Ministry of Environment Forest & Climate Change, New Delhi**
- 2. Central Pollution Control Board, Zonal Office, Bhopal**
- 3. Madhya Pradesh Pollution Control Board – Bhopal**
- 4. Assistant Director, Office of Textile Commissioner, Mumbai**

Enclosed: As Above

Grasim Industries Limited

Staple Fibre Division

Birlagram - 456 331, Nagda (M.P.) INDIA Tele: +91 7366 246760-64 Fax: +91 7366 246024, 244114

CIN: L17124MP1947PLC000410 Website: www.adityabirla.com E-mail: grasim-sfd.nagda@adityabirla.com

Regd. Office: P.O. Birlagram, Nagda - 456 331 (M.P.)

SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT CLEARNACE FOR

GRASIM INDUSTIRES LIMITED, (STAPLE FIBER DIVISION)
BIRLAGRAM, NAGDA – 456 331
DIST. UJJAIN (M.P.)



Submitted to:

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

Submitted by:

Grasim Industries Limited, (Staple Fiber Division)

Birlagram, Nagda – 456 331

District: Ujjain (M.P.)

Period: APRIL 2023 – SEPTEMBER 2023

Submitted on: 1ST DECEMBER 2023

Compliance Status Report for "Environment Clearance" accorded by MoEF & CC for Grasim Industries Limited, Staple Fiber Division, Birlagram, Nagda – 456 331 (M.P.)

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Compliance Status Report for "Environment Clearance" accorded by MoEF & CC for Grasim Industries Limited, Staple Fiber Division, Birlagram, Nagda – 456 331 (M.P.)

List of Annexures

- | | |
|------------|---|
| Exhibit -1 | Green Belt |
| Exhibit -2 | Display Board for CAAQMS |
| Exhibit -3 | Ambient air quality monitoring results of Grasim (SFD, EFD & CPP) for Last Six Months |
| Exhibit -4 | Details of Environment Cell |
| Exhibit -5 | Advertisement in local newspaper for environment clearance. |

Introduction

1. Grasim Industries Limited (GIL), incorporated on 25th Aug., 1947; is a flagship company of the Aditya Birla Group and India's pioneer in manufacturing of Viscose Staple Fibre (VSF) a man-made, biodegradable fibre with characteristics akin to cotton.
2. M/s. Grasim Industries Ltd. has four VSF Plants in India which are located at Nagda (Madhya Pradesh), Harihar (Karnataka), Kharach & Vilayat (Gujarat).
3. All the operation related permits, including Environmental Clearance from MOEF & CC and Consents to Establish (CTE) & Consent to Operate (CTO) has obtained from M.P. Pollution Control Board, Bhopal are in place.
4. Environmental quality monitoring in & around the Plant site is being carried out by M.P. Pollution Control Board & in-house Laboratory on a regular basis.
5. 03 No. of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) along with other Environmental Parameter from Grasim Complex (SFD, EFD & CPP) displayed on LED Board at main gate of the Plant Premises.
6. Online Continuous Emission Monitoring System (CEMS) is installed at stack and connected with M.P. Pollution Control Board and CPCB, New Delhi.
7. Unit has achieved the zero Liquid discharge from 1st October 2021. The treated waste water from ETP goes to ZLD plant for extraction of Salt. The generated permeate is used in the process.
8. A vast green belt is developed to curb the emission and also to improve environmental conditions in & around Grasim complex.
9. Point wise compliance status of Environmental Clearance for Grasim Industries Limited, Staple Fibre Division, Birlagram, Nagda is furnished herewith;

Environment Clearance
(Grasim Industries Limited, Staple Fibre Division)

MOEF Ref. F. No. J11011/322/2016-IA (II) (I) dated 29.05.2020

A. Specific Conditions

Sr. No.	Condition	Compliance Status															
1.0	This has reference to your online proposal No. IA/MP/IND2/58856/2016 dated 27th December 2019 for environmental clearance to the above project.	Noted															
2.0	The Ministry of Environment, Forest and Climate Change has considered the proposal for environmental clearance to the project for expansion of viscose Staple Fibre (144175 TPA to 233600 TPA), Sulphuric Acid (147825 TPA to 220825 TPA), Captive Power Plant (30 MW TO 55 MW) along with production of Solvent Spun Cellulosic Fibre (36500 TPA) by M/S Grasim Industries Ltd. (Staple Fibre Division) in an area of 196.08 at Village Mehatwas, Birlagram , Tehsil Nagda , District Ujjain (Madhya Pradesh).	Noted															
3.0	<p>The details of existing / proposed products are as under: -</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Sr.</th> <th style="text-align: center;">Name of Products (Units)</th> <th style="text-align: center;">Existing</th> <th style="text-align: center;">Additi onal</th> <th style="text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Viscose Staple Fibre (TPA)</td> <td style="text-align: center;">144175</td> <td style="text-align: center;">89425 *</td> <td style="text-align: center;">233600</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Solvent Spun Cellulosic Fibre (Excel Fibre)</td> <td style="text-align: center;">Nil</td> <td style="text-align: center;">36500</td> <td style="text-align: center;">36500</td> </tr> </tbody> </table>	Sr.	Name of Products (Units)	Existing	Additi onal	Total	1	Viscose Staple Fibre (TPA)	144175	89425 *	233600	2	Solvent Spun Cellulosic Fibre (Excel Fibre)	Nil	36500	36500	<p>Noted</p> <p>The debottlenecking activities completed and Unit has obtained the CCA from MPPCB for increasing the VSF capacity from 144175 TPA to 160600 TPA and sodium sulphate increased from 256.75 TPD to 403.2 TPD, vide consent number AWH 54896 dated 29.12.2021.</p>
Sr.	Name of Products (Units)	Existing	Additi onal	Total													
1	Viscose Staple Fibre (TPA)	144175	89425 *	233600													
2	Solvent Spun Cellulosic Fibre (Excel Fibre)	Nil	36500	36500													

Sr. No.	Condition					Compliance Status
	3	Sulphuric Acid (TPA)	147825	73000	220825	
4	Carbon-Disulphide (TPA)	31025	No change	31025		
5	Sodium Sulphate (By-Product) (TPA)	93714	67500	161214 **		
6	Captive Power Plant (MW)	30	25	55		
	<p>*Out of the proposed capacity of VSF i.e. 89425 TPA; 16425 TPA will be done by Debottlenecking and 73000 TPA by installation of new machines.</p> <p>** Total Capacity may vary from 161214 to 186814 TPA depending on the recovery of Sodium Sulphate as per Specific ToR Point No.(ix)</p>					
4.0	<p>Existing land area is 196.08 ha, out of which 127.53 ha is Plant & Colony area and remaining 68.55 ha is captive air strip and other facilities outside the plant premises. No additional land will be required for proposed expansion. Green belt has already developed in an area of 77.04 ha out of total plant area i.e. 127.53 ha. The estimated project cost for expansion is Rs.2500 Crores. Total capital cost earmarked towards environmental pollution control measures is RS.123 Crores and the recurring cost (operation and maintenance) will be about Rs. 24 Crores/annum. Total Employment after expansion will be 6486 persons as direct and 500 persons indirect after expansion.</p>				<p>Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA)</p>	

Sr. No.	Condition	Compliance Status
5.0	There is no National Park, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves and Wildlife Corridors etc. within 10 km. Dam on Chambal River (adjacent to plant site in W direction), Chambal River Flow at 0.1 km in West and Bangeri Nadi flow at 1 km in West.	Noted
6.0	Total water requirement after expansion will be 49158 m ³ /day of which fresh water requirement of 15450 m ³ /day is being /will be met from Chambal River and remaining 33708 m ³ /day is being /will be met from Recycled water. Effluent of 12500 m ³ /day quantity is being/will be treated in Effluent Treatment Plant. The plant will be based Zero Liquid discharges system after January, 2021. The committee suggested to achieve ZLD with this expansion project, PP agreed with it. Power requirement after expansion will be 55 MW including existing 30 MW and will be met from Captive Power plant (55 MW). Existing unit has 3 nos. 75 TPH (each) coal fired boilers. Additionally, 2 nos. 100 TPH (each) coal fired boilers will be installed. ESP with stack height of 125 m will be installed for controlling the particulate emission within the statutory limit for proposed boilers.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fiber (36,500 TPA) We have completed the ZLD project as per stipulated time period given by MPPCB. We have communicated to MPPCB, CPCB& MoEFCC IRO, Bhopal, regarding the ZLD commissioning.
A7.0	The project/activity is covered under category A of item 5(d) ' Manmade Fibre manufacturing unit and 1 (d) ' Thermal Power plant' of the schedule to the Environment Impact Assessment (EIA) Notification, 2006 under category 'A' and requires appraisal /approval at Central level in the Ministry.	Noted.
8.0	The terms of reference (ToR) for the project was granted by the Ministry on 17 th February, 2017. Public Hearing for the proposed expansion project was conducted by State Pollution Control Board on 5 th September,2019. The public hearing was chaired by the ADM, Ujjain. The main issue raised during the public hearing	Noted.

Sr. No.	Condition	Compliance Status
	is related to Employment, Environmental (Air & Water) pollution, effluent discharge, CSR etc. The project proponent has submitted the action plan on the issues raised during PH. The Committee deliberated the action plan and found in order.	
9.0	The proposal was considered by the sectoral Expert Appraisal Committee (Industry-2) in its meeting held on 21-23 January ,2020 wherein the project proponent and their accredited consultant presented the EIA/EMP report. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.	Noted.
10.0	The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the project proponent in desired form. The EAC noted that the project proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the report. If any part of data /information submitted is found to be false/misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.	Noted.
11.0	The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of Environmental Clearance (EC).	Noted.

Sr. No.	Condition	Compliance Status
12.0	The Committee noted that the EIA/EMP report is in compliance of the ToR issued for the project, reflecting the present environmental concerns and the projected scenario for all the environmental components. The EAC found the additional information submitted by the project proponent to be satisfactory.	Noted.
13.0	Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2) Ministry of Environment, Forest and Climate Change hereby accords environmental clearance to the project for expansion of Viscose Staple Fibre (144175 TPA to 233600 TPA), Sulphuric Acid (147825 TPA to 220825 TPA), Captive Power Plant (30 MW TO 55 MW) along with production of Solvent Spun Cellulosic Fibre (36500 TPA) by M/S Grasim Industries Ltd. (Staple Fibre Division) in an area of 196.08 at Village Mehatwas, Birlagram , Tehsil Nagda , District Ujjain (Madhya Pradesh) under the provision of the EIA Notification, 2006, and the amendments therein , subject to compliance of the terms and conditions as under:-	Noted.
A. Specific Conditions		
(i)	The Environmental clearance is subject to the final outcome of Hon'ble Supreme Court of India ,Hon'ble High Court, Hon'ble NGT any other Court of Law, if any, as may be applicable to this Project.	Noted.
(ii)	Necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time , shall be obtained from the State Pollution control Board.	Industry is complying the conditions laid down by state pollution Control Board and has valid consents & authorization issued by M.P. Pollution control board; <ul style="list-style-type: none"> • Consent under The Water (Prevention and Control of Pollution) Act, 1974 issued vide Letter No. AW-56632 dated 09.09.2022 valid up to 30.11.2024. • Consent under The Air (Prevention and Control of Pollution) Act 1981 issued vide letter No.

Sr. No.	Condition	Compliance Status
		Letter No. AW-56632 dated 09.09.2022 valid up to 30.11.2024.
(iii)	As already committed by the project proponent, Zero Liquid Discharge (ZLD) shall be ensured and to be completed by December 2021. However , it is subject to outcome of recommendation of the committee constituted to review norms of ZLD	We have completed the ZLD project as per stipulation given by MPPCB. We have communicated to MPPCB, CPCB& MoEFCC IRO, Bhopal, regarding the ZLD commissioning.
(iv)	PP Shall conduct the study regarding the pollution in the Chambal River and take necessary mitigation measures.	Noted. We have started study of the Ground water and water quality of downstream villages. Also study of health of villagers in downstream of Chambal river has been completed as per the direction received from MPPCB. The report submitted to MPPCB vide letter number 1812/Env-SFD/PCB/BPL/CPCB-AP/NIREH dated 13.07.2022.
(v)	Necessary authorization required under the hazardous and other Wastes (Management and Transboundary Movement) Rules, 2016 , Solid Waste Management Rules, 2016 shall be obtained and the provision contained in the Rules shall be strictly adhered to.	Hazardous Waste Authorization obtained from M.P. Pollution Control Board and has validity up to 30.11.2026. M.P. Pollution Board has issued Hazardous Waste Authorization vide consent No. AWH-54896, Outward No:114321, dated 29/12/2021 and conditions stipulated are complied.

Sr. No.	Condition	Compliance Status												
(vi)	To control source and the fugitive emission, suitable pollution control devices shall be installed to meet the prescribed norms and/ or the NAAQS. The gaseous emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	<p>There is no source of gaseous fugitive emission from manufacturing process. During handling of chemicals, we have provided all the necessary arrangements to avoid fugitive emission. There is no chemical being used to create fugitive emission. However, all precautionary measures have been taken for storage of chemicals i.e. Dyke, Pit and pump for recycling.</p> <p>For Fugitive Emission of dust is monitored by Third party on monthly basis for the existing plant and all results are within stipulated norms. Average result of period October-22 to March-23 is as under;</p> <table border="1" data-bbox="883 835 1490 1094"> <thead> <tr> <th data-bbox="883 835 1187 909">Area</th> <th data-bbox="1187 835 1490 909">Total Dust µg/m3</th> </tr> </thead> <tbody> <tr> <td data-bbox="883 909 1187 947">Pulp Storage</td> <td data-bbox="1187 909 1490 947">167</td> </tr> <tr> <td data-bbox="883 947 1187 984">Coal Storage Area</td> <td data-bbox="1187 947 1490 984">314</td> </tr> <tr> <td data-bbox="883 984 1187 1022">Acid Plant</td> <td data-bbox="1187 984 1490 1022">147</td> </tr> <tr> <td data-bbox="883 1022 1187 1060">CS2 Plant</td> <td data-bbox="1187 1022 1490 1060">137</td> </tr> <tr> <td data-bbox="883 1060 1187 1094">Fiber Storage Area</td> <td data-bbox="1187 1060 1490 1094">281</td> </tr> </tbody> </table>	Area	Total Dust µg/m3	Pulp Storage	167	Coal Storage Area	314	Acid Plant	147	CS2 Plant	137	Fiber Storage Area	281
Area	Total Dust µg/m3													
Pulp Storage	167													
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Acid Plant	147													
CS2 Plant	137													
Fiber Storage Area	281													

A. SPECIFIC CONDITIONS

Sr. No.	Stipulation	Compliance Status
(vii)	<p>Solvent management, if any, shall be carried out as follows:</p> <ul style="list-style-type: none"> a) Reactor shall be connected to chilled brine condenser system. b) Reactor and solvent handling pump shall have mechanical seals to prevent leakages. c) The condensers shall be provided with sufficient HTA and residence time so as to achieve more than 98% recovery. d) Solvents shall be stored in a separate space specified with all safety measures. e) Proper earthing shall be provided in all the electrical equipment wherever solvent handling is done. f) Entire plant shall be flame proof. The solvent storage tanks shall be provided with breather valve to prevent losses. 	<p>Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fiber (36,500 TPA)</p>
(viii)	<p>Total fresh water requirement shall not exceed 15450 m3/day proposed to be met from Chambal river. Prior permission in this regard shall be obtained from the concerned regulatory authority.</p>	<p>Noted and shall be complied during the project expansion by installation of new machine for viscose staple fiber, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fiber (36,500 TPA).</p>
(ix)	<p>Rain water harvesting structures shall be provided to reduce dependency of fresh surface water for industrial purpose. In any case, no ground water shall be used for the plant.</p>	<p>Rain Water Harvesting system has been installed, one at roof top at ABPSS having 200m² area and other in Excel plant roof top having 500m². Total water harvesting for FY-23 (Up-to-date) was 701 m³.</p> <p>No Ground water is being utilized in the plant.</p>
(x)	<p>The storm water from the premises shall be collected and discharged through a separate conveyance system.</p>	<p>Being complied in the existing plant.</p>
(xi)	<p>Hazardous chemicals shall be stored in tanks, tanks farms, drums, carboys etc. Flame arresters shall be</p>	<p>For the existing plant, we are using Hydrochloric Acid and Sodium Hydroxide,</p>

Sr. No.	Stipulation	Compliance Status
	provided on tank farm, and solvent transfer through pumps.	storage for which dyke, Pit, Pump for Recycling has been provided.
(xii)	ETP Sludge , process inorganic & evaporation salt shall be disposed through Captive Secured Land fill.	Organic ETP sludge is fired in boiler and inorganic sludge sent to Cement industry as per granted authorization. ETP inorganic sludge sent to cement industry for co-processing.
(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.	We are using Hydrochloric Acid and Sodium Hydroxide, storage for which dyke, Pit, Pump for Recycling has been provided in case spillages take place. All the relevant provision of Motor Vehicle Act (MVA), 1989 is being strictly complied during the transportation of hazardous chemicals.
(xiv)	<p>The company shall undertake waste minimization measures as below :-</p> <ul style="list-style-type: none"> a) Metering and control of quantities of active ingredients to minimize waste. b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. c) Use of automated filling to minimize spillage. d) Use of closed feed system into batch reactors. e) Venting equipment through vapour recovery system. f) Use of high pressure hoses for equipment clearing to reduce wastewater generation. 	<p>For the existing plant-</p> <ul style="list-style-type: none"> a) Measurement of quantities is being done through controlled Programmable Logic Controller (PLC). b) Solvent Spun Cellulosic Process is having no by-products. c) Plant is being operated through Programmable Logic Controller (PLC). d) We are having continuous process of manufacturing with closed feed system. e) In the Solvent Cellulosic Fibre Manufacturing process there is no generation of solvent vapor, hence solvent vapor recovery system is not required. In VSF plant the solvent vapor recovery is not applicable. f) We are using of high pressure hoses for equipment cleaning.
(xv)	The green belt of at least 5-10 m width shall be developed in more than 33% of the total project area,	Regular plantation activities have been done, About 60% of the Grasim Complex is

Sr. No.	Stipulation	Compliance Status
	mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of plant species shall as per the CPCB guidelines in consultation with the State Forest Department.	having Green Belt and Green Cover. Glimpse of plantation in the complex and details of land use is enclosed in Exhibit - 1
(xvi)	2.0 Lacs trees shall be planted around the vicinity of the plant and their status report should be submitted along with the certified compliance report.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA).
(xvii)	As proposed and committed by the PP, Rs. 25 crores shall be allocated for Corporate Environment Responsibility (CER). The CER funds shall be utilized for greenbelt development, skill development and check dam construction, as suggested during public hearing. The CER plan shall be completed before commissioning of the project.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA)
(xviii)	For the DG sets, emission limits and the stack height shall be in conformity with the extant regulating and the CPCB guidelines. Acoustic enclosure shall be provided to DG set for controlling the noise pollution.	The requirement of power need cater from our existing coal based 30 MW power plant and we do not use DG set for power generation
(xix)	The unit shall make the arrangement for protection of possible fire hazardous during manufacturing process in material handling. Firefighting system shall be as per the norms.	Complete firefighting system is already in place SFD along with fire hydrant system for manufacturing and storage of raw material.
(xx)	Storage of Raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	All raw materials are having designated covered godown and also covered with tarpaulin.
(xxi)	Continuous online (24x7) monitoring system for stack emission shall be installed for measurement of fuel gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SOCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	Industry has installed OCEMS to all stacks and connected to MPPCB surveillance center Bhopal. We have also provided connectivity of OCEMS installed at stacks of thermal power plant to CPCB. Industry has installed PTZ cameras at discharge point,

Sr. No.	Stipulation	Compliance Status
		We have completed the ZLD project as per stipulation given by MPPCB. We have communicated to MPPCB, CPCB& MoEFCC IRO, Bhopal, regarding the ZLD commissioning.
(xxii)	The energy source for lighting purposes shall preferably be LED based.	The energy source for lighting purposes is LED based both for street light and in plant premises.
(xxiii)	Transportation of Hazardous materials / products should be carefully performed using GPS enabled vehicles.	For transport of hazardous material we are engaging those transporter having valid authorization and GPS enabled vehicle.
(xxiv)	Occupational health surveillance of the workers shall be done on a regular basis and record maintained as per the Factories Act. PP shall submit the six monthly compliance report to the Regional Office of the Ministry.	Regular health check-up of workers and management staff is being done and records are being maintained. Noted and being complied.
(xxv)	PP shall conduct advanced modelling for risk management and mitigation measures as the flammable and hazardous chemicals are being stored and processed in the plant. PP shall conduct a study comprise the details of detectors and its locations and outcome of the study shall be implemented and the compliance shall be submitted six monthly to the Regional Office of the Ministry.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA)
(xxvi)	No construction shall be carried out in dispute land.	Noted and being complied.

B. GENERAL CONDITIONS

Sr. No.	Stipulation	Compliance Status
(i)	The Project Proponent shall obtain all other statutory /necessary permissions /recommendations/NOCs prior to start of construction / operation of the project, which inter alia include, permission/approvals under the Forest (Conservation) Act, 1980; the wildlife (Protection) Act,1972; the Coastal Regulation Zone Notification, 2019 , as amended from time to time , and other office Memoranda/Circular issued by the Ministry of Environment, Forest and Climate Change from time to time , as applicable to the project.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA).
(ii)	The project proponent shall ensure compliance of 'National Emission Standards', as applicable to the project , issued by the Ministry from time to time. The project proponent shall also abide by the rules/regulations issued by the CPCB/SPCB for control/abatement of pollution.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA).
(iii)	The project authority shall adhere to the stipulations made by the State Pollution Control Board/Committee, Central Pollution Control Board, State Government and any other statutory authority.	Acknowledged
(iv)	The project proponent shall prepare a site specific conservation plan and wildlife management plan in case of the presence of Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest/Wildlife Department in a time bound manner.	Noted. We have submitted a Wild Life Conservation Plan to Principal Chief Conservator of Forest Bhopal against the requirement of Environment Clearance for ToR condition. The Ministry of Environment, Forest and Climate Change granted Environment Clearance vide letter no. F.No.J-11011/322/2016- IA-II (I) dated 29.05.2020. In the aforesaid Wild Life Conservation Plan, we had submitted a 10 year plan for carrying out various activities

Sr. No.	Stipulation	Compliance Status
		related to conservation of Peacocks. The plan has been approved by Principal Chief Conservator of Forest . On 27.12.2022 we have deposited Rs. 24,20,000 (Rupees twenty-four lacs twenty thousand only) towards Wild life conservation plan submitted for a period of 10 years for the expansion projects.
(v)	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments shall be carried out without prior approval of the Ministry of Environment and forest and Climate Change. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any	Noted
(vi)	The energy source for lighting purposes shall preferably be LED based or advance having preference in energy conservation and environment betterment.	The energy source for lighting purposes is LED based for both street light and in existing plant premises.
(vii)	The locations of ambient air quality monitoring station shall be decided in consultation with State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	We have installed 03 (Three) Continuous Ambient Air Quality Monitoring System for Grasim SFD, EFD & CPP in consultation with M.P. Pollution Control Board and display of the same is being provided on LED Display Board installed at Factory Gate for general public. Image of the display board is enclosed as Exhibit - 2 We have also installed four Ambient Air Quality Monitoring Station in all four directions (Grasim premises that includes SFD, EFD & CPP) in consultation with CPCB & MPPCB. We are regularly monitoring the ambient air quality and report is being sent regularly to CPCB, MPPCB and Regional Office of MOEF. Monitoring results are

Sr. No.	Stipulation	Compliance Status																											
		well below the prescribed standards; report of the reporting period as Exhibit - 3.																											
(viii)	The National Ambient Air Quality Emission Standard issued by the Ministry vide G.S.R No. 826 (E) dated 16 th November 2009 shall be followed.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA)																											
(ix)	The overall noise levels in an around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all source of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules,1989 viz.75 dBA (day time) and 70 dBA (night time).	<p>All the necessary noise control measures such as Acoustic Enclosure, Silencer, Vibration Pad, and Variable Frequency Drive have been adopted wherever required. Ambient Noise Level shall confirm the prescribed standards.</p> <p>Ambient Noise Level (dBA) is measured by Third party and average results for the period October 22 to March 23 is tabulated as under;</p> <table border="1" data-bbox="976 1108 1481 1583"> <thead> <tr> <th data-bbox="976 1108 1300 1150">Area</th> <th data-bbox="1300 1108 1377 1150">Day</th> <th data-bbox="1377 1108 1481 1150">Night</th> </tr> </thead> <tbody> <tr> <td data-bbox="976 1150 1300 1182">Norms</td> <td data-bbox="1300 1150 1377 1182">75</td> <td data-bbox="1377 1150 1481 1182">70</td> </tr> <tr> <td data-bbox="976 1182 1300 1255">Occupational Health Centre</td> <td data-bbox="1300 1182 1377 1255">57</td> <td data-bbox="1377 1182 1481 1255">46</td> </tr> <tr> <td data-bbox="976 1255 1300 1287">Durgapura</td> <td data-bbox="1300 1255 1377 1287">52</td> <td data-bbox="1377 1255 1481 1287">43</td> </tr> <tr> <td data-bbox="976 1287 1300 1318">Nagda Town</td> <td data-bbox="1300 1287 1377 1318">54</td> <td data-bbox="1377 1287 1481 1318">44</td> </tr> <tr> <td data-bbox="976 1318 1300 1392">West Direction (Vishnu Bhawan)</td> <td data-bbox="1300 1318 1377 1392">57</td> <td data-bbox="1377 1318 1481 1392">45</td> </tr> <tr> <td data-bbox="976 1392 1300 1423">Temple Guest House</td> <td data-bbox="1300 1392 1377 1423">53</td> <td data-bbox="1377 1392 1481 1423">44</td> </tr> <tr> <td data-bbox="976 1423 1300 1497">North Direction (Labour Club)</td> <td data-bbox="1300 1423 1377 1497">53</td> <td data-bbox="1377 1423 1481 1497">43</td> </tr> <tr> <td data-bbox="976 1497 1300 1583">East Direction (Fabrication Shop)</td> <td data-bbox="1300 1497 1377 1583">67</td> <td data-bbox="1377 1497 1481 1583">57</td> </tr> </tbody> </table>	Area	Day	Night	Norms	75	70	Occupational Health Centre	57	46	Durgapura	52	43	Nagda Town	54	44	West Direction (Vishnu Bhawan)	57	45	Temple Guest House	53	44	North Direction (Labour Club)	53	43	East Direction (Fabrication Shop)	67	57
Area	Day	Night																											
Norms	75	70																											
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North Direction (Labour Club)	53	43																											
East Direction (Fabrication Shop)	67	57																											
(x)	The company shall harvest rain water from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for the process requirements.	Rain Water Harvesting system has been installed.																											
(xi)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodic medical	Training is being imparted to all employees for Safety and health aspect for chemical handling.																											

Sr. No.	Stipulation	Compliance Status
	examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Pre-employment and routine medical examination is carried out for all workman and management staff and records are being maintain.
(xii)	The company shall also comply with all the environmental protection measures and safeguard proposed in the documents submitted to Ministry. All the recommendations made in the EIA/EMP in respect of environmental management and risk mitigation measures related to the project shall be implemented.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA)
(xiii)	The company shall undertake all relevant measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration and shall be implemented.	For the existing plant CSR activities are our regular practice for improvement in socio-economic conditions of the surrounding area. Other than operating two hospitals and three senior secondary schools, various activities are being held in adjoining villages. Total no of beneficiaries for these activities in last year (FY 2022-23) is 2.77 Lacs with annual expense of Rs. 10.48 Crores.
(xiv)	The company shall undertake eco-developmental measures including community welfare measure in the project area for the overall improvement of the environment.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA)
(xv)	A separate Environment Management Cell (having qualified person with Environmental science/Environmental Engineering/ specialization in project area) equipped with full-fledged laboratory facilities shall be setup to carry out the Environmental Management and Monitoring functions.	A separate Environment Cell already exists with technically qualified personnel, who are under the control of Senior Executive. Organogram of Environment Cell is enclosed as Exhibit - 4
(xvi)	Company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with

Sr. No.	Stipulation	Compliance Status
	funds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose.	production of Solvent Spun Cellulosic Fibre (36,500 TPA).
(xvii)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	Copy of the clearance letter has been given to concern authority and also placed on company website for general public.
(xviii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environment Clearance conditions including results of monitored data (both hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environment Clearance and six monthly compliance status reports shall be posted on the website of the company.	Noted and being complied.
(xix)	The environment statement for each financial year ending 31 st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environment clearance conditions and shall also be sent to the respective Regional Office of MoEF &CC by e-mail.	We are regularly submitting Environment Statement before 30th September every year to the board. Also the soft copy of Environment Statement is uploaded in XGN MPPCB web site.
(xx)	The project proponent shall inform the public that the project has been accorded environment clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of Ministry at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of the clearance letter, at least two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be	Acknowledged copy of the letter sent to Regional office along with advertised paper cutting is enclosed. Exhibit - 5

Sr. No.	Stipulation	Compliance Status
	forwarded to the concerned Regional Office of the Ministry.	
(xxi)	The project authorities shall inform the Regional office as well as the Ministry, the date of financial Closure and final approval of the approval of the project by the concerned authorities and the date of start of the project.	Noted and shall be complied during the project expansion by installation of new machine for viscose staple fibre, sulphuric acid, captive power plant along with production of Solvent Spun Cellulosic Fibre (36,500 TPA)
(xxii)	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India , Hon'ble High Court, Hon'ble NGT and other Court of Law, if any, as may be applicable to this project.	Noted.
13.0	The Ministry reserves the rights to stipulate additional conditions, if found necessary at the said condition in a time bound. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Noted.
14.0	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted.
15.0	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
16.0	The above conditions will be enforced, inter-alia under the provision of the Water (Prevention & control of pollution) Act-1974, the Air (Prevention & control of pollution) Act-1981, the Environment (Protection) Act, 1986, the Hazardous waste (Management, Handling & Transboundary Movement) Rules-2003 and the Public Liability Insurance Act-1991 along with their amendments and rules.	<p>We are following terms & conditions MPPCB Consent under Air Act & Water Act and authorization under Hazardous Waste Rules.</p> <ul style="list-style-type: none"> • Consent under The Water (Prevention and Control of Pollution) Act, 1974 issued vide Letter No. AW-56632 dated 09.09.2022 valid up to 30.11.2024. • Consent under The Air (Prevention and Control of Pollution) Act 1981 issued vide letter No. Letter No. AW-56632 dated 09.09.2022 valid up to 30.11.2024.

Sr. No.	Stipulation	Compliance Status
		<ul style="list-style-type: none"> Hazardous Waste Authorization obtained from M.P. Pollution Control Board and has validity up to 30.11.2026. M.P. Pollution Board has issued Hazardous Waste Authorization vide consent No. AWH-54896, Outward No:114321, dated 29/12/2021.
17.0	This issues with the approval of the competent authority.	Noted.

GLIMPS OF GREEN BELT DEVELOPED



POWER HOUSE GATE



PLANT OVERVIEW



THERMAL POWER PLANT AREA



GREEN BELT

Exhibit-2

LED Display Board for CAAQMS (at Factory Gate for General Public)



FORMAT - II A

Ambient air quality data at Nagda for the month of : April-2023

All results expressed as Microgram/m³

Direction	Date	6 - 10			10 - 14			14 - 18			18 - 22			22 - 02			02 - 06			4 Hrs			24 Hrs Avg												
		SO ₂	NO ₂	H ₂ S	SO ₂	NO ₂	H ₂ S	SO ₂	NO ₂	H ₂ S	SO ₂	NO ₂	H ₂ S	SO ₂	NO ₂	H ₂ S	SO ₂	NO ₂	H ₂ S	SO ₂	NO ₂	H ₂ S	SO ₂	NO ₂	H ₂ S										
EAST	08.04.2023	17	15	14	17	16	17	16	19	14	16	18	14	19	19	17	19	15	20	18	19	20	19	17.2	17.0	16.7	16.7	46	45	47	25	26			
	18.04.2023	18	20	17	19	15	17	15	16	15	16	18	18	17	19	20	16	19	17	17	19	21	19	17.7	18.0	16.7	17.7	46	45	47	27	26			
WEST	08.04.2023	15	14	12	13	14	12	11	14	17	15	10	11	12	11	14	10	12	12	13	14	12	14	12	14	12	12.7	12.7	12.7	12.8	41	40	42	23	23
	18.04.2023	15	16	14	12	16	10	14	12	14	12	13	10	15	13	10	13	12	15	13	12	14	14	12	14	12	13.2	13.2	13.2	12.0	39	40	41	21	20
NORTH	09.04.2023	15	11	14	14	10	10	10	12	12	11	15	14	12	12	13	14	14	14	15	14	15	14	13.0	12.2	12.8	12.3	41	40	42	21	20			
	19.04.2023	12	13	13	12	14	12	10	12	11	15	14	10	12	10	11	12	12	13	12	14	15	14	12.0	12.3	12.3	11.5	41	40	42	21	20			
SOUTH	28.04.2023	10	11	10	10	10	12	13	9	12	10	12	10	12	10	11	10	14	12	11	10	14	12	11.0	11.3	11.5	10.8	41	40	40	23	22			
	09.04.2023	19	19	17	20	18	17	15	21	20	15	18	19	19	18	17	15	19	19	16	20	20	19	19.0	18.0	17.2	18.0	46	45	47	26	24			
	19.04.2023	17	15	19	17	19	17	20	20	20	14	18	19	19	16	17	16	16	20	19	18	20	19	18.8	16.3	18.0	18.2	46	45	47	26	25			
	28.04.2023	18	14	16	12	18	12	17	14	18	14	15	13	17	15	14	19	16	17	15	16	17	17.7	14.7	16.2	13.5	45	46	45	27	26				

FORMAT - II B

Ambient air quality data at Nagda for the month of : April-2023

Sampling location	Month & Year	SO ₂ microgram/m ³			NO ₂ microgram/m ³			CS ₂ microgram/m ³			H ₂ S microgram/m ³			PM ₁₀ microgram/m ³			PM _{2.5} microgram/m ³		
		n	A.M.	S.D.	n	A.M.	S.D.	n	A.M.	S.D.	n	A.M.	S.D.	n	A.M.	S.D.	n	A.M.	S.D.
EAST Fabrication Shop	Apr 2023	12	17.4	2.0	12	17.5	1.9	12	16.7	1.6	12	17.2	1.5	6	46	0.3	6	26	0.6
WEST Vishnu Bhawan	Apr 2023	12	14.7	2.0	12	13.0	1.9	12	12.9	1.7	12	12.4	1.1	6	41	1.0	3	22	1.1
NORTH Labour-Cub	Apr 2023	18	12.0	1.5	18	11.9	1.5	18	12.2	1.7	18	11.8	1.5	9	40	0.8	9	22	0.9
SOUTH Daily	Apr 2023	18	18.5	1.1	18	16.3	2.1	18	17.1	1.5	18	16.6	2.8	9	46	0.8	9	26	0.9

A.M.=Arithmetic mean, S.D.=Standard Deviation, G.M.=Geometric mean, n=number of observation.
 ** Norms for SO₂, NO₂ & SPM as per NAAQM Standard and Permissible limit for CS₂ = 100 µg/m³ and H₂S = 150 µg/m³

ND = Not Detected

FORMAT - II A

Ambient air quality data at Nagda for the month of : May-2023
All results expressed as Microgram/M3

Direction	Date	6 - 10			10 - 14			14 - 18			18 - 22			22 - 02			02 - 06			4 Hrs Max			24 Hrs AVG			8 Hrs AVG, PM10			8 Hrs AVG, PM2.5					
		SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2		
EAST	08.05.2023	20	17	16	19	18	15	19	14	20	14	15	21	15	18	16	16	16	17	18	21	20	26	19	19.0	16.7	18.3	16.3	44	46	45	27	25	26
EAST	24.05.2023	22	19	18	20	18	20	19	17	20	14	17	19	18	17	16	21	19	18	22	21	20	20	20	18.5	18.3	18.3	48	46	48	27	28	26	
WEST	08.05.2023	10	14	10	12	11	15	11	13	13	12	10	12	14	13	9	14	10	12	14	15	13	14	11.5	13.7	11.2	42	40	41	22	20	21		
WEST	24.05.2023	16	15	14	10	15	14	13	13	12	14	11	14	15	14	12	16	15	14	12	16	15	15	14	14.8	13.7	13.8	40	42	41	19	20	21	
NORTH	09.05.2023	14	11	13	9	12	10	11	12	11	12	10	14	13	10	13	10	11	10	11	14	13	13	12	12.7	11.0	11.0	40	38	41	19	20	21	
NORTH	25.05.2023	14	12	12	13	11	15	11	16	13	12	14	13	12	10	15	14	12	13	16	15	13	14	13.5	13.2	11.7	42	41	40	20	19	20		
SOUTH	09.05.2023	20	19	18	18	18	18	17	17	15	16	20	16	17	18	15	18	15	16	20	19	20	18	17.3	17.3	17.5	45	47	48	28	26	27		
SOUTH	25.05.2023	19	18	17	20	18	14	18	18	19	19	22	20	18	19	19	17	19	20	20	21	22	22	18.3	18.0	19.7	46	47	47	28	26	27		

BDL : Below detectable Limit

Tr : Tracess

ND: Not Detectable

FORMAT - II B

Ambient air quality data at Nagda for the month of : May-2023

Sampling location	Month & Year	SO2 microgram/M3			NO2 microgram/M3			CS2 microgram/M3			H2S microgram/M3			PM10 microgram/M3			PM2.5 microgram/M3						
		n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	G.M.			
EAST Fabrication Shop	May-2023	12	18.8	1.8	22	12	17.5	2.2	21	12	18.3	2.8	26	6	46	1.5	48	46	6	27	1.0	28	26
WEST Vishnu Bhawan	May-2023	12	13.2	2.2	16	12	13.7	1.3	15	12	12.5	1.6	15	6	41	0.8	42	41	6	21	1.0	22	20
NORTH Labour Club	May-2023	12	13.1	1.5	16	12	12.1	1.6	15	12	11.8	1	13	6	40	1.2	42	40	6	20	0.7	21	20
SOUTH DBP	May-2023	12	17.8	1.6	20	12	17.7	1.9	21	12	18.6	2.0	22	6	47	0.9	48	47	5	27	0.8	28	27

A.M.=Arithmetic mean, S.D.=Standard Deviation, G.M.=Geometric mean, n=number of observation.

Note: Norms for SO2, NO2, PM10 & PM2.5 as per National Ambient Air Quality Standards and Permissible limit for CS2 = 100 µg/m3 and H2S = 150 µg/m3

FORMAT - II A

Ambient air quality data at Nagda for the month of : June 2023

All results expressed as µg/m³

Direction	Date	6 - 10			10 - 14			14 - 18			18 - 22			22 - 02			02 - 06			4Hrs			24Hrs Avg			8 Hrs Avg			8 Hrs Avg						
		SO ₂	NO ₂	CS ₂	H ₂ S	SO ₂	NO ₂	CS ₂	H ₂ S	SO ₂	NO ₂	CS ₂	H ₂ S	SO ₂	NO ₂	CS ₂	H ₂ S	SO ₂	NO ₂	CS ₂	Max	SO ₂	NO ₂	CS ₂	H ₂ S	SO ₂	NO ₂	CS ₂	H ₂ S	SO ₂	NO ₂	CS ₂	H ₂ S		
EAST	06.06.2023	17	12	17	15	14	13	16	17	19	17	20	18	16	19	18	20	21	19	19	20	21	20	16.3	17.0	18.2	18.0	46	47	45	26	27	26		
	20.06.2023	18	15	16	19	15	17	18	17	16	10	17	20	19	14	20	18	17	19	19	20	20	20	17.2	15.5	17.8	18.3	47	48	46	27	28	28		
	27.06.2023	17	15	13	21	15	18	17	17	19	16	16	17	19	17	18	16	14	20	18	20	21	18.0	16.3	16.5	18.0	48	46	45	28	26	27	27		
WEST	06.06.2023	12	15	14	13	11	16	12	11	15	17	14	10	16	13	12	13	10	14	12	17	14	13	14.3	15.5	13.3	11.3	39	40	41	21	22	20		
	20.06.2023	16	18	17	10	18	15	16	11	17	16	14	10	19	14	18	12	20	17	15	19	19	12	18.5	16.5	16.5	10.8	41	42	40	21	21	22		
	27.06.2023	12	11	12	11	11	13	11	12	13	14	10	11	10	12	10	13	10	13	13	14	13	11.8	12.0	11.7	11.5	38	37	39	20	21	22			
NORTH	08.06.2023	15	12	14	10	10	13	13	10	11	11	12	14	12	14	11	9	11	10	10	11	10	13	12	12	12	12.0	12.0	11.0	41	40	39	21	22	21
	17.02.2023	12	12	16	11	10	13	11	10	11	12	14	10	11	12	13	12	12	11	12	13	16	13	11.8	12.3	12.7	11.2	39	41	42	24	22	23		
	08.06.2023	19	17	17	19	18	19	22	20	15	20	17	15	16	19	19	17	18	21	20	20	22	17.3	17.8	19.0	18.7	46	46	45	27	28	27			
SOUTH	08.06.2023	16	17	15	13	18	15	16	17	15	18	14	16	16	14	16	19	17	18	13	16	16	16	16	16	16	16	16	14	20	19	19	20	27	
	17.02.2023	16	17	15	13	18	15	16	17	15	18	14	16	16	14	16	19	17	18	13	16	16	16	16	16	16	16	16	14	20	19	19	20	27	
	17.02.2023	16	17	15	13	18	15	16	17	15	18	14	16	16	14	16	19	17	18	13	16	16	16	16	16	16	16	16	14	20	19	19	20	27	

ND: Not Detectable Tr.: Tracess

FORMAT - II B

Ambient air quality data at Nagda for the month of : June 2023

Sampling location	Month & Year	SO ₂ µg/m ³			NO ₂ µg/m ³			CS ₂ µg/m ³			H ₂ S µg/m ³			PM10 microgram/m ³			PM2.5 microgram/m ³					
		n	A.M.	S.D.	Peak	n	A.M.	S.D.	Peak	n	A.M.	S.D.	Peak	n	A.M.	S.D.	Peak	n	A.M.	S.D.	Peak	G.M
EAST Fabrication Shop	Jun. 2023	18	17.2	1.8	20	18	16.3	2.5	20	18	17.5	2.0	21	18	18.1	1.5	21	9	46	1.1	48	46
WEST Vishnu Bhanwan	Jun. 2023	18	14.9	3.3	21	18	14.6	2.5	19	18	13.8	2.3	19	18	11.2	1.0	13	9	40	1.5	42	40
NORTH Labour Club	Jun. 2023	12	11.9	1.6	15	12	12.2	1.0	14	12	12.3	1.7	16	12	11.1	1.4	14	5	40	1.3	42	40
SOUTH DEBY	Jun. 2023	12	16.8	2.1	20	12	17.5	1.4	20	12	17.3	2.2	22	12	17.1	2.4	21	5	47	1.1	48	47

A.M.=Arithmetic mean, S.D.=Standard Deviation, G.M.=Geometric mean,n=number of observation.

Note: Norms for SO₂, NO₂, PM10 & PM2.5 as per National Ambient Air Quality Standards and Permissible limit for CS₂ = 100 µg/m³ and H₂S = 150 µg/m³

FORMAT - IIA

Ambient air quality data at Nagda for the month of : July-2023
All results expressed as Microgram/M3

Dir- ction	Hrs. Date	6 - 10			10 - 14			14 - 18			18 - 22			22 - 02			02 - 06			4Hrs Max			24Hrs Avg			8 Hrs Avg PM10		8 Hrs Avg PM2.5								
		SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	6-14	14-22	6-14	14-22	22-06							
EAST	04.07.2023	21	20	14	18	22	19	12	19	20	18	15	21	17	18	19	18	15	17	16	13	17	22	20	17	19	20.0	18.0	14.3	17.2	47	48	46	28	26	27
	20.07.2023	18	13	15	18	17	19	15	16	16	14	15	17	16	19	14	16	12	14	15	13	12	18	19	16	19	15.8	16.0	14.2	15.7	45	46	46	27	25	26
WEST	04.07.2023	10	13	10	13	12	12	9	10	14	12	11	13	10	10	13	12	12	10	10	14	14	13	13	13	13	12.0	12.3	10.7	11.5	41	43	42	21	23	22
	20.07.2023	10	12	13	10	14	10	12	11	15	13	14	12	11	11	12	11	11	10	11	13	13	14	13	14	13	11.8	11.8	12.2	11.2	41	40	42	21	22	20
NORTH	06.07.2023	14	11	14	10	12	13	10	11	12	11	11	12	13	13	12	10	12	11	13	12	14	13	14	13	12.5	11.5	11.8	11.5	40	42	41	21	19	20	
	22.07.2023	9	11	11	10	13	10	12	11	11	12	13	12	11	11	14	14	12	13	12	13	13	14	14	13	11.3	11.8	12.2	11.3	39	40	41	21	20	22	
SOUTH	06.07.2023	18	20	21	17	17	18	17	20	15	17	19	15	19	16	18	17	16	18	14	15	19	19	20	21	20	16.8	17.3	17.7	17.2	46	47	45	26	27	25
	22.07.2023	18	21	17	19	22	19	21	18	17	19	21	18	19	22	20	18	16	18	16	18	22	22	20	21	22	19.7	18.8	18.5	19.5	48	48	47	28	25	27

BDL : Below detectable Limit

Tr : Tracess

ND: Not Detectable

FORMAT - IIB

Ambient air quality data at Nagda for the month of : July-2023

Sampling location	Month & Year	SO2 microgram/M3			NO2 microgram/M3			CS2 microgram/M3			H2S microgram/M3			PM10 microgram/M3			PM2.5 microgram/M3										
		n	A.M.	S.D. Peak	n	A.W.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	G.M.							
EAST Fabrication Shop	July-2023	12	17.9	2.6	22	12	17.0	1.9	20	12	14.3	1.5	17	12	16.4	2.1	19	6	46	0.9	48	46	5	27	1.0	28	26
WEST Vasnu Bhawan	July-2023	12	12.4	1.7	15	12	12.1	1.2	14	12	11.4	1.6	14	12	11.3	1.2	13	6	42	1.0	43	41	5	22	1.0	23	21
NORTH Labour-Club	July-2023	12	11.9	1.3	14	12	11.7	1.2	14	12	12.6	1	14	12	11.4	1.0	13	6	41	1.0	42	40	5	21	1.0	22	20
SOUTH Daily	July-2023	12	18.3	2.0	22	12	18.1	2.0	22	12	18.1	1.8	21	12	18.3	2.2	22	6	47	1.1	48	47	5	26	1.1	28	26

A.M.=Arithmetic mean, S.D.=Standard Deviation, G.M.=Geometric mean, n=number of observation.

Note: Norms for SO2, NO2, PM10 & PM2.5 as per National Ambient Air Quality Standards and Permissible limit for CS2 = 100 µg/m3 and H2S = 150 µg/m3

FORMAT - II A
Ambient air quality data at Nagda for the month of : August-2023
 All results expressed as Microgram/M³

Direction	Date	6 - 10		10 - 14		14 - 18		18 - 22		22 - 02		02 - 06		4 hrs		24 hrs Avg										
		SO2	NO2	SO2	NO2	SO2	NO2	SO2	NO2	SO2	NO2	SO2	NO2	SO2	NO2	SO2	NO2	SO2	NO2							
EAST	03.08.2023	25	22	18	19	20	18	16	20	19	18	20	19	18	22	20	20.8	20.0	18.0	18.5	45	47	46	25	27	24
	14.08.2023	18	20	17	19	15	17	15	16	15	15	16	18	17	17	19	17.7	18.0	16.7	17.7	46	45	47	27	26	26
WEST	03.08.2023	14	15	11	13	15	13	14	11	12	10	9	10	13	10	15	14	13.8	12.5	11.5	40	42	41	21	20	22
	14.08.2023	16	15	14	10	15	14	13	14	11	14	16	11	13	13	15	14	14.8	13.7	13.8	40	42	39	19	20	21
NORTH	05.08.2023	12	11	10	12	13	9	11	10	12	13	9	13	10	11	13	13	12.2	11.5	10.8	38	41	40	19	22	21
	16.08.2023	11	13	12	12	10	11	13	11	14	12	10	13	11	10	13	14	11.8	11.5	12.0	38	37	36	21	23	20
SOUTH	27.08.2023	10	11	10	10	12	13	13	9	12	10	12	11	10	14	12	11.0	11.3	11.5	10.8	41	40	39	23	22	21
	05.08.2023	17	22	18	20	19	20	21	19	20	21	22	23	19	20	21	19.5	20.8	19.5	19.8	46	45	47	25	26	27
	16.08.2023	19	18	17	20	18	16	20	18	17	19	18	22	22	20	17	19	18.5	18.5	19.7	46	45	47	28	25	27
	27.08.2023	16	15	17	13	18	16	17	15	18	15	16	16	19	20	17	16.3	17.2	15.7	15.5	46	48	47	27	26	28

FORMAT - II B

Ambient air quality data at Nagda for the month of : August-2023

Sampling location	Month & Year	SO ₂ microgram/M ³			NO ₂ microgram/M ³			CS ₂ microgram/M ³			H ₂ S microgram/M ³			PV ₁₀ microgram/M ³			PV _{2.5} microgram/M ³										
		n	A.V	S.D. Peak	n	A.V	S.D. Peak	n	A.V	S.D. Peak	n	A.V	S.D. Peak	n	A.V	S.D. Peak	n	A.V	S.D. Peak	n	A.V	S.D. Peak	G.V				
EAST Fertilization Shop	Aug 2023	12	19.3	2.7	25	12	19.0	1.9	22	12	17.3	1.4	20	12	18.1	1.1	20	6	46	0.8	4.7	46	6	26	1.1	27	26
WEST Vishnu Bhawan	Aug 2023	12	13.7	1.8	16	12	13.8	1.5	16	12	13.2	1.5	15	12	11.8	1.6	14	6	41	1.1	4.2	41	6	21	1.0	22	20
NORTH Labour-Club	Aug 2023	18	11.7	1.3	14	18	11.4	1.1	13	18	11.4	1.5	14	18	11.2	1.4	14	9	39	1.6	4.1	39	9	21	1.2	23	21
SOUTH Dairy	Aug 2023	18	18.1	2.0	22	18	18.8	2.3	23	18	18.3	2.4	22	18	18.5	2.6	22	9	46	0.9	4.8	46	9	27	1.1	28	27

A.V = Arithmetic mean, S.D = Standard Deviation, G.V = Geometric mean, n = number of observation
 * Norms for SO₂, NO₂ & SpV as per 'AAQIV Standard and Permissible limit' for CS₂ = 100 µg/m³ and H₂S = 150 µg/m³

ND = Not Detected

FORMAT - II A
Ambient air quality data at Nagda for the month of : September-2023
All results expressed as Microgram/M3

Dire- ction	Hrs Date	6 - 10			10 - 14			14 - 18			18 - 22			22 - 02			02 - 06			4Hrs Max			24Hrs Avg			8 Hrs Avg PM10		8 Hrs Avg PM2.5								
		SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S	SO2	NO2	CS2	H2S							
EAST	04.09.2023	17	16	17	19	15	16	14	18	22	17	20	21	16	18	19	20	19	16	17	21	20	18	20	21	17.8	16.3	17.5	19.7	44	46	45	28	26	27	
	17.09.2023	19	12	17	19	16	18	14	15	18	13	14	19	17	16	18	18	18	13	18	14	19	18	18	19	17.2	14.5	16.5	16.0	46	44	45	26	25	27	
WEST	04.09.2023	10	15	14	9	11	16	12	11	13	12	14	10	14	16	14	12	15	16	14	12	15	16	14	12	12.8	14.7	13.3	10.7	39	40	41	19	21	20	
	17.09.2023	12	17	11	11	10	14	12	10	14	13	14	11	11	12	10	12	13	13	9	14	15	12	10	14	12.2	14.0	12.0	10.5	41	40	41	20	21	20	
NORTH	05.09.2023	12	12	14	12	11	10	10	11	12	10	14	11	12	12	13	14	14	13	12	10	12	11	13	14	14	11.8	11.7	12.3	12.0	43	42	42	22	21	22
	18.09.2023	10	14	10	12	11	10	9	10	14	12	14	11	12	13	14	11	13	12	12	15	14	12	14	15	12.2	12.0	11.7	11.7	42	43	42	21	20	21	
SOUTH	05.09.2023	19	18	17	20	20	16	18	18	21	17	45	19	19	18	22	20	18	18	17	20	18	21	18	22	19.5	17.0	18.3	18.7	47	46	46	25	27	26	
	18.09.2023	17	15	18	18	19	16	14	17	20	14	15	19	19	14	19	16	18	17	14	19	20	17	20	18.0	15.3	17.3	17.5	46	45	46	26	25	26		

B.L. : Below detectable Limit T. : Trace ND: Not Detectable

FORMAT - II B
Ambient air quality data at Nagda for the month of : September-2023

Sampling Location	Month & Year	SO2 microgram/M3			NO2 microgram/M3			CS2 microgram/M3			H2S microgram/M3			PM10 microgram/M3			PM2.5 microgram/M3										
		n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	n	A.M.	S.D. Peak	G.M.							
EAST Fabrication Shop	September-2023	12	17.5	1.9	20	2	15.4	1.8	18	12	17.0	1.8	20	12	17.8	2.4	21	6	45	0.8	46	45	6	27	1.0	28	26
WEST Vishnu Bhawan	September-2023	12	12.5	1.7	15	12	14.3	1.6	17	12	12.7	1.2	14	12	10.6	1.0	12	6	40	0.7	41	40	6	20	0.7	21	20
NORTH Labour-Club	September-2023	12	12.0	1.4	14	12	11.8	1.7	15	12	12.8	2	14	12	11.8	0.9	13	6	42	0.5	43	42	6	21	0.7	22	21
SOUTH Diary	September-2023	12	18.8	1.7	21	12	16.2	1.4	18	12	17.8	2.2	22	12	18.1	1.7	20	6	46	0.6	47	46	6	26	0.7	27	26

A.M.=Arithmetic mean, S.D.=Standard Deviation, G.M.=Geometric mean, n=number of observation.
 Note: Norms for SO2, NO2, PM10 & PM2.5 as per National Ambient Air Quality Standards and Permissible limit for CS2 = 100 µg/m3 and H2S = 150 µg/m3

Exhibit-4**Environment Management Cell - Personnel and details thereof****(As on 30th September, 2023)**

S. No.	Name	Designation	Discipline	Date of Joining	Qualification
Sr. Executives (Environment Cell Reports to)					
1	Mr. K Suresh	President & Unit Hea	Executive	05.02.2018	B.E. (Chemical), MS (Industrial Eng.)
2	Mr Ashish Maheshwari	Vice President	Executive	16.08.2019	B.E. (Mechanical)
3	Mr. Tushar Wankhede	Gen. Manager	Executive	01.04.2023	B. Tech (Chemical), M. Tech(WILP)
Environment Cell					
1	Mr. Rakesh Patnaik	Gen. Manager	Tech. Services	23.03.2012	M.Sc.(Environment) M .Phil (Environment), PG Diploma in Environment Management
2	Mr. Ashish Khare	Deputy Manager	Tech. Services	18.05.1998	M.Sc. (Maths), PG Diploma in Environment Management
3	Mr. Roopesh Goyal	Dy. Gen. Manager	Monitoring	17.07.2018	B.E. (Textile)
4	Mr. Anil Maheshwari	Deputy Manager	Monitoring	01.07.1995	B.Sc. (PCM)
5	Mr. Ravi Jain	Asst. Manager	Monitoring	01.01.1996	B.Sc. (PCM)
6	Mr Anil Vijay	Asst. Gen .Manager	Process	26.08.1987	M.Sc. (Chem) , BS(Process Eng.)
7	Mr. M.S.Kushwaha	Deputy Manager	Process	09.08.1996	B.Sc. , M.Sc. MBA
8	Mr. Amit Pandit	Asst. Manager	Process	18.05.1998	M.Sc. Chemistry BS(Process Eng.)
9	Mr. R.K.Verma	Asst. Manager	Process	18.11.2015	M.Sc.(Chemistry), B.S.,Dip.Env.Management
10	Mr. Dilip Gohil	Officer	Process	21.10.2016	M.Sc. (Chem)
11	Mr. J.K. Wadhawa	Asst. Manager	Process	01.07.1993	B.Sc, MA (English),BS (Pr. Engg)
12	Mr. Jitendra Gaur	Chemist	Process	16.10.2017	B.Sc.

CITY 5

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PUBLIC NOTICE

Environment Clearance

It is hereby informed that competent authority of Ministry of Environment, Forest and Climate Change, Government of India, New Delhi has accorded Environment clearance for expansion of Viscose Staple Fibre, Solvent Spun Cellulosic Fibre, Sulphuric Acid and CPP of Grasim Industry Limited, Staple Fibre Division, Birlagram, Nagda, Dist Ujjain (M.P.) vide Environment Clearance F.No. J-11011/322/2016-IA-II(I) dated 29.05.2020 under the provision of EIA Notification 2006. Copy of the environment clearance is available with the SPCB and may also be seen at website of Ministry of Environment, Forest and Climate change, Government of India, New Delhi at <https://parivesh.nic.in/>.

Date - 04.06.2020
Place - Nagda

UNIT HEAD
M/s. Grasim Industries Limited,
Staple Fibre Division

Free Press (English)

तापमान
अधिकतम 34.0°C
न्यूनतम 24.5°C

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उज्जैन, गुरुवार, 04 जून, 2020

सार्वजनिक सूचना

पर्यावरण सम्मति

सूचित किया जाता है की पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली के सक्षम प्राधिकारी द्वारा ग्रेसिम इंडस्ट्रीज लिमिटेड, स्टेपल फायबर डिवीजन, बिरलग्राम, नागदा, जिला- उज्जैन (म.प्र.) को विस्कोस स्टेपल फाइबर, साल्वेंट स्पन सेल्युलॉसिक फाइबर, सल्फ्यूरिक एसिड एवं सी.पी.पी. विस्तार की पर्यावरण सम्मति F. No. J-11011/322/2016-IA-II(I) दिनांक: 29.05.2020 को ई.आई.ए. नोटिफिकेशन 2006 के प्रावधान के अंतर्गत प्रदान की गई है।

पर्यावरण सम्मति की प्रतिलिपी राज्य प्रदूषण नियंत्रण बोर्ड के पास उपलब्ध है एवं पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली की वेबसाइट <https://parivesh.nic.in/> पर भी देखी जा सकती है।

यूनिट हेड
दिनांक : - 04-06-2020
स्थान : नागदा

मेसर्स ग्रेसिम इंडस्ट्रीज लिमिटेड
स्टेपल फायबर डिवीजन

Patrika (Hindi)

दैनिक भास्कर
उज्जैन, गुरुवार 04 जून, 2020 | 04

सार्वजनिक सूचना

पर्यावरण सम्मति

सूचित किया जाता है की पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली के सक्षम प्राधिकारी द्वारा ग्रेसिम इंडस्ट्रीज लिमिटेड, स्टेपल फायबर डिवीजन, बिरलग्राम, नागदा, जिला- उज्जैन (म.प्र.) को विस्कोस स्टेपल फाइबर, साल्वेंट स्पन सेल्युलॉसिक फाइबर, सल्फ्यूरिक एसिड एवं सी.पी.पी. विस्तार की पर्यावरण सम्मति F. No. J-11011/322/2016-IA-II(I) दिनांक: 29.05.2020 को ई.आई.ए. नोटिफिकेशन 2006 के प्रावधान के अंतर्गत प्रदान की गई है।

पर्यावरण सम्मति की प्रतिलिपी राज्य प्रदूषण नियंत्रण बोर्ड के पास उपलब्ध है एवं पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय, भारत सरकार, नई दिल्ली की वेबसाइट <https://parivesh.nic.in/> पर भी देखी जा सकती है।

यूनिट हेड
दिनांक : - 04-06-2020
स्थान : नागदा

मेसर्स ग्रेसिम इंडस्ट्रीज लिमिटेड
स्टेपल फायबर डिवीजन

Dainik Bhaskar (Hindi)