

June 01, 2019

1386/Env-SFD/MOEF/RO(W)/BPL/EC

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 December 2015 to May 2016 for Expansion of Solvent Spun Cellulosic Fibre (3650 TPA to 10950 TPA) at Village Mehatwas, Birlagram, Tehsil Nagda, District Ujjain, M.P. M/s Grasim Industries Limited, (Excel Fibre Division)

Ref: Environment Clearance Issued vide File No. J-11011/255/2011-IA II (I), General Condition (xix)

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 along with monitoring reports and relevant documents for the period from December - 2018 to May-2019 of Grasim Industries Limited, Excel Fibre Division.

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,

Sr. President & Unit Head

CC:

1. Ministry of Environment Forest & Climate Change, New Delhi

Central Pollution Control Board, Zonal Office, Bhopal

3. Madhya Pradesh Pollution Control Board - Bhopa

Enclosed: As Above

Grasim Industries Limited

Staple Fibre Division

Birlagram - 456 331, Nagda (M.P.) INDIA Tele: +917366 246760-64 Fax: +917366 246024. 2441

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

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

Bhawan

中31 Link Road No.3

_{Vishanka}r Nagar

शंकर नगर



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1386/Env-SFD/MOEF/RO(W)/BPL/EC

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,
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K Suresh

Sr. 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

Enclosed: As Above

Grasim Industries Limited

Staple Fibre Division

SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT CLEARNACE FOR

GRASIM INDUSTIRES LIMITED, EXCEL FIBRE 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, Excel Fibre Division

Birlagram, Nagda – 456 331

District: Ujjain (M.P.)

Period: DECEMBER 2018 - MAY 2019

Submitted on: 1 June 2019

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Exhibit -7	Implemented measures taken for environmental protection
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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. Excel Fibre Division is based on third generation solvent spun cellulosic technology developed by Birla Research Institute Birlagram, Nagda.
- 4. Solvent Spun Cellulosic Technology does not required hazardous chemicals like Carbon Disulphide (CS2), Sulphuric Acid (H2SO4) and Sodium Hydroxide (NaoH) in Manufacturing Process.
- 5. Solvent used for dissolving pulp and regeneration of fibre is environment friendly and more than 99.6% solvent recovered and reuse in the process.
- 6. No source of gaseous emission in the Solvent Spun Cellulose manufacturing process and specific water consumption is very low as compare to conventional Viscose Staple Fibre Manufacturing Process.
- 7. 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.
- 8. 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.
- 9. 03 No. of Continuous Ambient Air Quality Monitoring Stations (CAAQMS) along with other Environmental Parameter from Grasim Complex displayed on LED Board at main gate of the Plant Premises.
- 10. Online Continuous Effluent Quality Monitoring System (CEQMS) is installed and connected with M.P. Pollution Control Board and CPCB, New Delhi.
- 11. A vast green belt is developed to curb the emission and also to improve environmental conditions in & around Grasim complex.
- 12. Point wise compliance status of Environmental Clearance for Grasim Industries Limited, Excel Fibre Division, Birlagram, Nagda is furnished herewith;

Environment Clearance (Excel Fibre Division)

MOEF Ref. F. No. J11011/255/2011-IA (II) (I) dated 16.08.2012

General Profile

Sr. No.	Stipulation			Compliance Status		
1.0	Kindly refer your letter dated 18 th April 2011 and 3 rd November 2011, along with project documents including Form-1, Terms of Reference, Pre-feasibility report and additional information submitted vide letter dated 4 th July 2011 and 13 th July 2011 regarding above mentioned project.			Acknowledged		
2.0	the exp 109 villa Ujja is 18 Spu Add 0.92 No 10	application. It is ansion of Solvent S	y of Environment and Forest has examined ation. It is noted that proposal is for of Solvent Spun Cellulosic Fibre (3650 TPA to at Plot No. 295, 317-319, 326, 340-342, natwas, Birlagram, Tehsil Nagda, District Total plot area for existing Staple Fibre Unit at Total plot area for of the existing Solvent losic Fibre Unit (10 TPD) is 0.86 ha. and requirement for proposed expansion is hin existing Viscose Staple Fibre (VSF) unit. sanctuary / reserve forest is located within al cost of the project is Rs. 78.00 Crores.			No wild life sanctuary / reserve is located within 10 km of the Plant Site. Total Cost of the Project is: 83.30 Crores
	Sr.	Product Solvent Spun	Producti Existing 3650	Proposed Expansion 7300	TPA) Total 10950	Total Production During
		Cellulosic Fibre				Reporting Period (Dec-18 – May- 19) is 5408 Metric Tons.
3.0	Utility requirement (i.e. water, power and stream) will be met from existing unit. Hazardous Chemical i.e. CS2 and H2SO4 will not be used in the process. Solvent recovery will be 99.8%. Total water requirement from			Water and Power & Steam requirement is being met from existing facilities of Staple Fibre Division and Captive Power		

Sr. No.	Stipulation	Compliance Status
	the dam of the Chambal River is 680 m3/day and no additional fresh water will be required for the expansion. Effluent generation will be 530 m3/day and treated in Effluent Treatment Plant (ETP) and reused in SFD auxiliary cooling towers in place of fresh water being used currently. The ETP sludge will be incinerated in the existing coal fired Boiler. Waste / spent oil will be sold to authorized recyclers.	Plants and no additional utility is setup for the expansion Total Effluent generated is 368 m2/day and effluent generated form expansion is being utilized in Auxiliary Cooling Towers as makeup in place of fresh water. Hazardous Chemical i.e. CS2, H2SO4 is not being used in manufacturing process. Maximum Solvent Recovery is achieved during the reporting period is 99.6% ETP Sludge is being utilized in existing coal fired boilers.
4.0	EIA / EMP report preparation and public hearing were exempted as per para 7 (ii) of EIA Notification, 2006.	Acknowledged
5.0	All the Man-made fibre manufacturing "Rayon" are listed as S.N. 5(d) under category 'A' and apprised at the Central level.	Acknowledged
6.0	The proposal was considered by the Expert Appraisal Committee (Industry-2) in its 25 th , 28 th and 29 th meetings held during 28 th -30 th July 2011, 20 th – 21 st October 2011 and 17 th – 18 th November 2011 respectively. The committee recommended the proposal for environment clearance.	Acknowledged
7.0	Based on the information submitted by the project proponent, the Ministry of Environment and Forest hereby accords environment clearance to above project under the provisions of EIA Notification dated 14 th September 2006, subject to compliance of the following Specific and General Conditions.	Acknowledged

A. SPECIFIC CONDITIONS

Sr.	Stipulation	Compliance Status
No.		
i)	The grant of environmental clearance is only for pilot plant project based on clean technology. Whenever unit goes for commercial establishment / full scale plant, the unit shall obtain prior environmental clearance as applicable.	We have successfully established the clean technology for 20 TPD capacity single Spinning Machine and receiving positive acceptance of the new product from the market.
		We have submitted Proposal No
		: IA/MP/IND2/58856/2016 on 07.09.2016 to MoEF & CC for prior environmental clearance for expansion of existing Staple Fibre Division along with setup of 36500 TPA Solvent Spun Cellulosic Fibre Spinning Machine. Proposal has been accepted by MoEF & CC on 16.10.2016 and TOR Granted on 14.02.2017. EIA Study for the same is under progress.
ii)	Utilities requirement (i.e Water, Power and Steam) shall be met from the existing unit, no additional utilities shall be installed.	Water and Power & Steam requirement is being met from existing facilities of Staple Fibre Division and Captive Power Plants and no additional utility is setup for the expansion
iii)	The company shall not use CS2 as a raw material in the proposed process activity.	Solvent Spun Cellulosic Fibre Manufacturing does not require CS2 in the process and we are not using the same.
iv)	Ambient Air quality data shall be collected as per NAAQES standards notified by the Ministry vide GSR No. 826(E) dated 16.09.2009. The levels of PM10, SO2, NOx, CS2, VOC and CO 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 shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF. The respective Zonal office of CPCB and M.P. Pollution Control Board.	We have installed 03 (Three) Continuous Ambient Air Quality Monitoring System 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. We have also installed four Ambient Air Quality Monitoring Station in all four directions in

Sr.	Stipulation	Com	pliance Sta	itus
No.				
		consultation We are reg ambient air being sent MPPCB and MOEF. Mo well belo standards. months is e	cularly mon quality an regularly d Regional onitoring r w the Report of t	itoring the d report is to CPCB, Office of esults are prescribed the last six
v)	In plant control measures for checking fugitive emission from all the vulnerable sources shall be provided. Fugitive emission shall be controlled by providing closed storage, closed handling and conveyance of chemical / 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 emission. Fugitive emission in the work zone environment, product, raw materials storage area etc. shall be regularly monitored. The emission shall conform to the limits stipulated by the MPPCB.	There is not fugitive manufacture handling of provided arrangement emission. Information being used emission. In precautional been taken chemicals in for recycling For Fugitive PM10 is monthly bas within stiput result of results of	emission ing proces chemicals all the nts to avo For you there is n Howev ary measuren for si e. Dyke, Pit g. e Emission onitored in sis and all allated norm	from ss. During for the second purity with the second purity bur all the fugitive for all the second purity and pump of dust, our lab on results are ss. Average
		Area	Std. µg/m3	PM-10 μg/m3
		Pulp	(24hrs) 100	36
		Storage		
		Chemical Storage Area	100	28
		Spinning Machine	100	31
		Fibre Storage Area	100	26

Sr.	Stipulation	Compliance Status
No.		
vi)	The spinning bath shall be covered and vapor shall be channelized and exhausted properly.	Closed Shutter and proper exhaust system has been provided for water vapor, image of the shutters on Spinning Machine is enclosed as Exibit-2 .
vii)	Unit shall carry out the study to identify the composition of the vapor generated from spinning bath of the Solvent Spun Cellulosic Fibre.	Study has been carried out by the NEERI and confirms that there is no solvent in the vapor.
viii)	For further control of fugitive emissions, following steps shall be followed: a) Closed handling system shall be provided for chemicals.	a) All the chemicals are being handled through closed system and no manual handling of chemicals is involved in the process.
	b) System of leak detection and repair of pump/pipeline based on preventive maintenance.	b) Dykes have been constructed for chemical storage tanks as shown in Exibit-3 . Preventive Maintenance is being carried out as per the schedules.
	c) The acids shall be taken from storage tanks to reactors through closed pipeline. Storage tanks shall be vented through trap receiver and condenser operated on chilled water.	c) Acid is not required in the main process, however small quantity of Hydrochloric Acid is required for regeneration of resin for solvent purification. Storage tank of Hydrochloric Acid has been provided with a vent having trap receiver.
	d) Cathodic protection shall be provided to the underground solvent storage tanks.	d. There are no underground solvent storage tanks in the plant.
ix)	As proposed, solvent recovery shall be not less than 99.8%	Maximum Solvent Recovery achieved during the reporting period is 99.6% (including of 10 TPD Machine and Expansion of 20 TPD Machine), trials are underway to increase the solvent recovery to maximum level.

Sr.	Stipulation	Compliance Status
No.		
x)	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.	Industry does not have any DG Set.
xi)	Total fresh water requirement from Chambal River shall not exceed 680 m3/day and prior permission shall be obtained from concerned authorities and a copy submitted to the Ministry's Regional Office at Bhopal. No ground water shall be used.	Total fresh water consumption for reporting period is 454 m3/day from Chambal River. No Ground water is being utilized in the plant.
xii)	Industrial effluent generated shall not exceed 530 m3/day. Effluent generated from solvent Spun Cellulosic Fibre shall be treated in separate dedicated ETP and used in SFD auxiliary cooling tower in place of fresh raw water being used currently. As proposed, SFD auxiliary cooling tower blow down shall be sent to existing ETP for further treatment. No process effluent shall be discharged in and around the project site. Water quality of treated effluent shall be monitored regularly and monitoring report shall be submitted to the MPPCB.	Total Effluent generated from Solvent Spun Cellulosic Fibre plant for the reporting period is 368 m3/day Additional effluent generated from expanded facility is being utilized in SFD Cooling Tower. For Treated effluent quality continuous effluent quality monitoring system (CEQMS) is installed at ETP and connected to MPPCB and CPCB. We are also monitoring the treated effluent quality in laboratory and report is being sent regularly to MPPCB. Effluent generated from the plant and blow down of SFD cooling towers is routed through ETP and no process effluent is being discharged in and around project site.
xiii)	No effluent shall be discharged outside the factory premises and 'Zero' discharge concept shall be maintained.	Effluent generated for expansion is routed through SFD Cooling tower and no effluent is being discharged from the Excel Fibre Division premises.
xiv)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the	Hazardous Waste Authorization obtained from M.P. Pollution

Sr. No.	Stipulation	Compliance Status
	Hazardous Wastes (Management, Handling and Trans boundary) Rules, 2008 and amended as on date for management of Hazardous Waste and prior permission from MPPCB shall be obtained for disposal of Solid / Hazardous waste in the TSDF.	Control Board and has validity up to 22.01.2024. M.P. Pollution Board has issued Hazardous Waste Authorization vide consent No. AWH-49579, Outward No:88150, dated 18/02/2019
xv)	Proper dust control arrangement shall be provided in the existing Sodium Sulphate bagging area of the existing VSF Plant.	Improved Dust control system consisting of sieve cover, conveyor belt cover, fresh air fan and proper exhaust has been provided in bagging area of existing VSF Plant.
xvi	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 the 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.
xvii)	The company shall undertake following waste minimization measures : -	
	a. Metering and control of quantities of active ingredients to minimize waste.	a) Measurement of quantities is being done through controlled Programmable Logic Controller (PLC).
	b. Reuse of by-product from the process as raw materials or as raw material substitutes in other process.	b) Solvent Spun Cellulosic Process is having no by-products.
	c. Use of automated filling to minimize spillage.	c) Plant is being operated through Programmable Logic Controller (PLC).
	d. Use of Close Feed system into batch reactor	d) We are having continuous process of manufacturing with closed feed system.

Sr.	Stipulation	Compliance Status
No.		
	e. Venting equipment through vapor recovery system f. Use of high pressure hoses for equipment clearing to reduce wastewater generation	e) There is no process vents in the plant.f) We are using of high pressure hoses for equipment cleaning.
xviii	The unit shall make the arrangement for protection of possible fire hazard during manufacturing process in material handling. Fire Fighting system shall be as per the norms.	Fire Fighting system has been installed as per the norms. List of the Fire Fighting Equipment is enclosed as Exibit-4 .
xix)	All the workers shall be regularly monitored for occupational health for relevant parameters and records maintained.	Regular health check-up of workers and management staff is being done and records are being maintained.
xx)	Green belt shall be developed in 33% of the total land. Green belt design shall be as per CPCB guidelines.	Regular plantation activities have been done, About 60% of the Grasim Complex is having Green Belt and Green Cover. Glimpse of plantation in the complex and details of land use is enclosed in Exibit-5
xxi)	Provision shall be made for the housing for the construction labor within the site with all the necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plant, safe drinking water, medical health care, crèche etc. The housekeeping may be in form of temporary structure to be removed after completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	Construction work has been completed. Construction activity was done in the existing premises and all the required facilities are in place.

B. GENERAL CONDITIONS

Sr. No.	Stipulation	Compliance Status
i)	The project authority shall strictly adhere to the stipulations made by the M.P. Pollution Control Board.	Industry has obtained Consent to Establishment and Consent to Operate from M.P. Pollution Control Board and complying all stipulation made.
		MPPCB has issued consent to establish vide their letter No. 6229/TS/MPPCB/2012 dated 24.08.2012, and Consent to Operate under Air Act vide their letter No. 9106/TS/MPPCB/2012 dated 26.12.2012 and under the Water Act vide their letter No. 9104/TS/MPPCB/2012 dated 26.12.2012.
cii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and forest. 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.	No further expansion is planned during the reporting period in existing Excel Fibre Division. However, we have submitted Proposal No : IA/MP/IND2/58856/2016 on 07.09.2016 to MoEF & CC for prior environmental clearance for expansion of existing Staple Fibre Division along with setup of 36500 TPA Solvent Spun Cellulosic Fibre Spinning Machine. Proposal has been accepted by MoEF & CC on 16.10.2016 and TOR Granted on 14.02.2017. EIA Study for the same is under process.
iii)	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 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 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

Sr.	Stipulation	Compliance Status
No.		
		the display board is enclosed as Exbit-6
		We have also installed Ambient Air Quality Monitoring Station in all four directions 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 well below the prescribed standards; report of the last six months is enclosed as Exibit-1 .
iv)	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 level shall conform the standards prescribed under Environment (Protection) Act, 1986 Rules 1986 viz. 75dBA (day time) and 70dBA (night time).	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. Ambient Noise Level (dBA) is measured by our Laboratory and last six month average results are tabulated as under; Area Day Night Norms 75 70 School 58 45 CD Colony 56 44 Durgapura 66 58 Eⅅ 61 60
V.	The company shall harvest rain water from roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Rain Water Harvesting system has been installed.

Sr. No.	Stipulation	Compliance Status
vi.	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Preemployment and routine periodic medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Training is being imparted to all employees for Safety and health aspect for chemical handling. Pre-employment and routine medical examination is carried out for all workman and management staff and records are being maintain.
vii.	Usages of Personal Protective Equipment (PPEs) by all employee / workers shall be ensured.	PPE are provided to all employee and regular training being conducted for proper use of PPE. Helmet, Safety Goggles, Safety Boots provided to all employees and Earplug, face shield, Hand Gloves, Protective Clothing is provided to the all concerned employees.
viii.	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, risk mitigation measures and public hearing related to the project shall be implemented.	All the measures proposed for environmental protection has been implemented. Details of the measures are enclosed as Exhibit-7 .
ix.	The company shall undertake all relevant measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers and administration.	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 beneficiaries of these activities in last year (FY 2019-19) are 2.04 Lacs with annual expense of Rs. 4.90 Crores.

Sr.	Stipulation	Compliance Status
No.		
X.	The company shall undertake eco-developmental measures including community welfare measure in the project area for the overall improvement of the environment.	All the necessary development measure is being under taken for overall improvement of environment shall be taken. Details are enclosed in Exhibit-7
xi.	A separate Environment Management Cell 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-8
xii	As proposed, company shall earmark sufficient funds towards capital cost and recurring cost respectively to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management / pollution control measures shall not be diverted for any other purpose.	Capital cost of Rs 4.5 crore had been earmarked for procuring Shutters on the spinning machine, variable frequency drives, PLC control system etc and same has been implemented. A provision of Rs 20 lacs per year has been made to maintain the above mentioned systems. This fund will is being used only for this purpose.
xiii	A copy of the clearance letter shall be sent to the project proponent to concerned Panchayat, Zila Parishad / Municipal Corporation, Urban local body and the local NGO, if any from whom suggestion / representations, if any were received while processing the proposal.	Copy of the clearance letter has been given to concern authority.
xiv	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 respective Regional Officer of MoEF, the respective Zonal Office of CPCB and M.P. Pollution Control Board. A copy of Environment Clearance and six monthly compliance status reports shall be posted on the website of the company.	Last Six Monthly compliance report is submitted for period Jun-2018 –November 2018.
xv	The environment statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment	We are regularly submitting Environment Statement before 30th September every year to the board.

Sr.	Stipulation	Compliance Status
No.		
	(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 by e-mail.	
xvi	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 forwarded to the concerned Regional Office of the Ministry.	Advertisement of Environment Clearance has been published in Hindi & English New Papers for information to general public and copy of the same is enclosed as Exhibit-9.
xvii.	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Financial Closure of the project is May 2013 same is informed to concerned authorities.
8.0	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory	Acknowledged & will abide
9.0	The Ministry reserves the rights to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions.	Acknowledged
10.0	The above conditions will be enforced, inter-alia under the provision of the Water (Prevention & control of pollution) Act-1977, the Air (Prevention & control of pollution) Act-1981, the Environment (Protection) Act-	We are following terms & conditions MPPCB Consent under Air Act & Water Act and authorization under Hazardous Waste Rules.
	1986, Hazardous waste (Management & Handling) Rules-2003 and the Public Liability Insurance Act-1991 along with their amendments and rules.	Industry has obtained renewed CCA consent to operate from MPPCB under Water Act & Air Act vide consent No. AWH-49579, Outward No: 88150, dated 18/02/2019 valid up to 30.11.2020 and Hazardous Waste

Sr. No.	Stipulation	Compliance Status
		Authorization valid up to 22.02.2024.

FORMAT - II A

Ambient air quality data at Nagda for the month of : November-2018 All results expressed as Microgram/M3

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ς Κ	3	ઝ	23	22	20	76	22	19	CS2	Max.	
22		20	16	12	15		16	4	H2S		
29.3		29 3	19.7	17.7	12.7	14.5	20.7	19.2	S02	H	
19.7		18.0	11.7	13.7	11.7				NO2	24	
7 28.8		25.5	7 11.7	.7 15.0	.7 16.7	9.2 15.2	157 19.0	19.0 16.8	+-	24Hrs Avg	
8 18.0		5 17.2	7 10.3						CS2 H		
0 266	-	2 272	.3 254	8.0	12.5	8.2	13.0 2	10.8	H2S 6	\blacksquare	
				260 - 2	240 2	254 2	266	258 2	6-14 1	8 Hr:	
268		264	258	252	244	248	260	260	14-22	8 Hrs. Avg. SPM	
272		268	264	258	251	254	268	251	22-06	Š	

FORMAT - II B

Ambient air quality data at Nagda for the month of: November-2018

1	\$						ΙOΩ
The state of the s	November-2018	November-2018	Movember-2016	November-2018		& Year	Month
٥	12	12	12	12		۰ أ	Š
oral pro-	12 29.3 2.4	12 18.7	13.6	12 19.9	1	Jeed US MA	SO2 microgrant/M3
La Dev	24	2.2	2.5	1.9	į	л Э	grant
rianon,	32	22	8	24	900	Dook	M3
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ietro a	100 20	127	10.4	17.3	V. R.	>	2 110
nean,n	18.8 24 22	127 2.9	10.4 1.9	12 17.3 2.5 22	O.D. FEAK	3	NO2 microgram/M3
-nun	22	138	14	23	COL		<u>S</u>
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	256	258	249	261	M	Ý	2
ļ	2.9	ب و 9	5.2	5.5	SD	THICTOR	
	272	264	254	268	Peak	ram/M	
	268	258	248	260	G.M.	ی ا	
٠						_	_

EAST
Fabrication Shop
WEST
Vishnu Bhawan
NORTH
Labour-Club
SOUTH

Sampling location

FORMAT - II A

Ambient air quality data at Nagda for the month of: December 2018 All results expressed as Microgram/M3

			H110S			NORTH		WEST		EAST	ction	Dire-
	29.12.2018	19.12 2018	06 12 2018	29.12.2018	19.12.2018	06,12,2018	17.12.2018	04 12. 2018	17 12.2018	04.12.2018	Date	Hrs.
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	23	ß	22	4	F	4	4	<i>5</i> 3	22	Z Z		
	₽	†	22	c 00	7		<u></u>	12	10	12	CS2 H2S SO2	
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	16	 2	≅	10	6	4	\$>	1	#	∞	H2S SO2 NO2	L
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	16	3	22	क	14	 1	16	12	22	20	NOS	- 1
	32	28	32	22	10	5	19	कं	24	3	CSZ	Max
	20	☆	22		10	4	4	₹	4	#	H28	
	323	35.3	28.8	23.5	20 0	17.4	13 3	14.3	20.2	21.5	\$02	3
	14.5	17.2	18.0	13.7	10.8	106	117	90	17 5	56 Un	Z	} }
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	170	14.3	14.3	103	6 5	10.0	10.5	သ သ	10.8	9.0	120	
						0 262	5 258		261	264		
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	272	270	274	262	264	268	256	258	258	268	14.22 22-00	3 2

FORMAT - II 8

Ambient air quality data at Nagda for the month of: December 2018

		ý	2		300		Ž		200	2	-	200	CONTRACTOR AND	712820	_	į	100000000000000000000000000000000000000	A CHAIN CONTRACT	1810	Г		() · · · ·		1	
Company Respective	& Year	n i	AM	AM S.D Peak	Peak		2	A.M. S.	ς Σ	Peak		ΑM	AM S.D.	Paak		=	A.M.	_	Peak] <u>-</u>	A.M	S.D.	Peak	G.M
EAST												-	;			,			:		 -	3	,	3	200
¥abrication Sho∌ WEST	Dec 2018 12 20.8 2.6	12	20.6	2.6	26		- 3	12 :8.0 2.0 22	2.0	22		163	12 163 2.8 24	24		2		- G	4			262	3.2	200	797
Vishau Bhawan	Dec. 2018 12 13.8 1.5	12	13.8	5	16		7	12 10 3 2.7		16	12	153	12 153 18	18		2	2	1.9	<u></u>		_ -	257	3.2	262	257
NORTH														3		5)	:			3	ງ ວ	3	200
l, abour-Club	Doc. 2018 18 19.3 31 26	₿	£9.3	<u>د</u>	26		6	18 10.5 24		16	18	114	18 114 47	20		50	50 90	2	14		ي	263	3.3	200	262
SOUTH										_									;	_)	!	,		3
Dairy	Dec 2018 18 30.6 4.2 40	18	30.6	4.2	4		∞	15.6 2.5	2.5	22		25.4	25.4 4.1	32		6	15.2 2.8	2.5	1		Œ	1.72	2.3	- 2/4	7
A M =Anthmetic mean, S D =Standard Deviation. G.M.=Geometric mean,n=number of observation.	Standard De	vialion	ဂ န	Geom	etric ma	30,71		of of	observ	ation.		Ì	}		7	5	ND = Not Detected	ecled							

FORMAT - II A

Ambient air quality data at Nagda for the month of: January-2019 All results expressed as Microgram/M3

NORT	_	NORT	WEST		_	EAST	clion	Ş	Dir.G.	
_ _ _ _	_	<u>∓</u> 24					f	Ţ	-	
NORTH 04.01.2019		18.01.2019 04.01.2019	02,01.2019	-	18 04 2019	02.01.2019	Date		T.S	
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		12 6.8 12 11.0	0 12.7		0 12.7	9 21.0		SO2	+	7
	_		11.8		_	17.8		2 NO2	٦	241
		6.5 10.5 10.0 10.2	.8 12.0		9.7 9.7	16.8		2 082	4	24Hrs Avg
						8 14.7		52 H25	┪	
		95 2	9.0		8.7 25	_		٠	-1	
	_	240 2			254 2	272 2		0-14	:	8 Hrs
ў Я		251			248	275		77-4	3	8 Hrs.Avg.SPM
371		222 249	740	0	252	262		00-77	3	Ž

FORMAT - 11 B

BDL: Below detectable Limit

Tr.; Tracess

ND; Not Detectedblo

Sampling location

Ambient air quality data at Nagda for the month of: January-2019

L						OI)	
	Ј _{апи} ау-2019	January-2019	January-2019	January-2019	& Year	Month	
	12	12	12	12	5	S.	
	22,4	12 13.7 3.0	89	16.8	AM	SO2 micros	
	55 4	3.0	3.2	4.9	S.D. Pea	ogram/	
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	18.8	12.9	9.2	13.8 4.5 21	A.M. S.D. Pear	NO2 mioros	
	3.6	3 8	<u>(</u> ပ	4 ₄ (5)	S.D.	ogram	١
	28	20	3	3	Peak	È	5
							_
	12	72	12	12		5	
	225	15.4	12 11.3	12 13.3	A.M	CSZ microg	
	12 225 4.7	5	2.5	4.9	0.0	ogram	
	32	24	ಕ	22	reak	3	3
	73	12	12	12]-	.],	- -
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l	3.2	1.8	1.7	3.7	Ç	S D Dook	
ĺ	24	ಪ	₹	10	900	DO	3
							_
	<u>ه</u>	50	0	G	-	_	
١	271	258	246	261		2	Š
ļ	ω	8,4	12.7	10.1	9	SD	Giorni
	ίO				_		
	3.9 277	271	262	275	1	Peak	d/mean

EAST
Fabrication Shop
WEST
Vishnu Bhawan
NORTH
Labour-Club
SOUTH
Dairy

Ambient air quality data at Nagda for the month of : February 2019

All results expressed as μg/m³

												1		
			ниоs		NORTH			WEST			EAST	ction	Dire-	
	ND: Not Detectedble	18.02.2019	SOUTH 08.02.2019	18.02.2019	08.02.2019	27.02.2019	14.02.2019	06.02.2019	27.02.2019	14.02.2019	06,02.2019	Date	Hrs.	
	tecte	<u> </u>	2	7	<u>6</u>	12	-	- - -	20	24	ம்	SO_2		
	je E	19	18	ဖ	1 6	16	10	7	6	22	5		6	
		19	20	7	20	4	10	17	22		7	NO ₂ CS ₂	ō	
	-	17	56	9	10	00	5	ဖ	20	16	7	H_2S		
	Tr.:	27	28	15	16	4	<u>;;</u>	13	19	1 8	19	SO ₂		
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	35	21	24	1	18	16	Ş	13	₫	14	9	င္တ	₹	
		츖	16	7	12	10	S	1	œ	ô	<u> </u>	CS ₂ H ₂ S SO ₂		
		25	26	21	18	18	14	17	8	18	21	္မွ		
		5	20	==	4	5 1	10	=======================================	1 8	12	=======================================	્રે 5	14	
		击	6	7	22	16	10	ವೆ	18	16	17	CS_2	∞	
		9	-	មា	11	09	12	13	10	17	œ	H ₂ S		
		29	26	17	14	12	œ	=======================================	26	28	23	SO_2		
		5	≅	<u> </u>	14	10	2	မှ	<u></u>	20	13	ŝ	18 - 22	2
		21	20	9	22	- 6	<u></u>	17	14	20	<u>ਨ</u> ੀ	CS ₂	22	cour
Š		17	17	ထ	φ	14	8	=	12	12	15	S, T,		5
FORMAT - II R		31	28	17	17	10	12	17	16	22	19	SO ₂		Ul legallo expressed do hBut
<u>.</u>		17	5	13	16	6	5	5	16	18	19	NO ₂ CS ₂	22 • 02	6
'n		17	22	13	19	3	14	15	10	18	14	ည့	2	6
		=	22	7	<u> </u>	6	16	Q.	7	19	=======================================	H ₂ S		ď
		မ္သ	29	ᄚ	5	12	රා	⇉	20	19	17	SO ₂		
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		ಪ	귫	=	20	14	16	15	-	15	17	CS ₂	6	
		ಪ	20	60	13	6	12	=======================================	12	12	12	H ₂ S	\top	
		ಚ	29	21	18	8	4	17	26	28	23	ő	_	
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		21	24	13	23	18	16	17	23	20	17	ွှ	Max	
		17	22	•	13	4	6	13	12	19	5	H ₂ S		
		29.3	26.8	17.3	16.0	13.0	10.7	14.0	19.8	21.5	19,0	SO ₂		
		16.3	18.8	11.2	16.0	10.6	9.7	10.7	18.0	18.0	14.0	Ş	Z4HIS AVQ	
		17.7	20,3	9.7	20.2	14.7	10.8	15.0	16.3	17.3	13.2	CS ₂	PVP	
		13.7	Ç.	7.7	11.0	9.3	9.7	10.7	10.2	14.3	10.7	72.5		
		272	269	261	262	250	253	252	265	267	255	6-14		
		279	276	267	269	256	263	264	262	271	264	14-22		L
		268	272	257	265	252	256	260	270	275	248	22-06	- OT IN	000

FORMAT - II B

Ambient air quality data at Nagda for the month of: February 2019

Sampling location	Month		Š	SO ₂ µg/m	=_			ŏ	μg/m ³		_	CS ₂ µg/m	g/m			H ₂ S	.m/gπ			ļ,,	SPM µg/III	ig/m	1
	8 Year	3	2	SD	Pea	^1	3	×	A.M. S.D. Peal	Peak	5	A.M. S.D.	9.D.	Peak	_	A.M.	S.D.	Peak	_	ΑM	S.D.	Peak:	0
EAST	Feb. 2019	18	20.1	18 20.1 3.3	28		€	18 16.7	3.6 22	23	18 156 3.7 22	56	3.7	ß		18 11.7	1.7 3.2	19		9 264	7.9	264 7.9 275 264	Ŋ
Fabrication Shop	••••				_															}			,
WEST	Feb. 2019	26	12.6	18 12.6 3.0	- - - - - - -	-	∌	18 10.4	2.8	16	18 13.5	3.5	2.4	ಹ	₹	9.9	2.4	6	,,	9 256	4.	9 256 4.8 264 256	N
Vishn⊭ Bhawan											=	_		_				_		<u> </u>		,	
NORTH	Feb. 2019	12	16.7	12 16.7 1.9	Ń		12	12 13.6	3.0	18	12 14.9		5,6	22	12	9.3	2.2	13	_	6 264	4	697	203
Labour-Club				_	_					_									_	·—	,	3)
SOUTH	Feb. 2019	12	28.1	12 28.1 2.6	33	- 3	12	12 17.6	2.6 21	21	12 19.0	9.0	2.9	24		12 16.1	3.5	2	_	2/3	3.8	2/3 3.8 2/8 2/3	1
Dairy	-			_					_				_	_		-					r		Γ

FORMAT - II A

Company of the second s

Ambient air quality data at Nagda for the month of : March-2019 All results expressed as Microgram/M3

	So	•	<u>z</u>		WEST		EAST	٤.	9	
<u> </u>	UH.	NI .	RTH 0					ction	Dire	
21.03.2019	SOUTH 09.03.2019	21.03.2019	NORTH 09.03.2019	19.03.2019	07.03.2019	19.03.2019	07.03.2019	Date	Hrs.	
26	8	13	5	5	16	22	17	S02		
21	6	13	4	_;	ō	16	क्र	NO2	6-10	
22	22	ಪ	ಕ	20	ಕ	6	ಹೆ	CS2	ō	
4	24	<u> </u>	12	5	12	8	۵۰	H2S	Ì.	
24	24	5 1	ð	=	ಪ	24	19	\$02		
19	26	⇒	ij	00	12	4	##	NO2	10 - 14	
20	20	<u> </u>	12	<i>5</i> 5	4	14	21	NO2 CS2 H2S	4	
≅	22	9	<u></u>	3	4	#	12	H2S	L	
22	24	4_	ਲ੍ਹੇ	4	<u></u>	ъ	20	502		
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23	.	<u> </u>	\$	12	1	20	,	\(\frac{1}{2}\)	•	١
20	<u></u>	10	·•	4	- - -	4	4	12S S	+	-
25	- 28	=	∞	~	73	<u></u>	23	02. V		
17	-5 	10		15	<u> </u>	55 33	21 22	92 93		3
21	4	5		<u></u>		<u>~</u>		S2 ! H2S	-	
- 5	22	۰	10	12	-		చ		-	\dashv
26	32	17	O¢	- 5		22	20	202	_	
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16	24	φ	5	¢		<u></u>	17	- 1	3	02 06
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-	270	258	264	251	261	264	264		22-06	14

Ambient air o
quality data at Nagda fo
Ambient air quality data at Nagda for the month of: March-2019

FORMAT - II B

BDL: Bolow datectable Limit

Tr.: Tracess

ND: Not Detectedble

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FORMAT - II A

Ambient air quality data at Nagda for the month of: April 2019 All results expressed as Microgram/M3

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FORMAT - 11 B

Ambient air quality data at Nagda for the month of: April 2019

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	& Year	ń	A.M	n A.M. S.D.]Peak	Peak	3	A	A.M. S.D. Peak	Peak	_	_ 	SD	n A.M. S.D. Peak	_	n A.M. (SD.	<u> </u>	<u>, </u>	Peak	_	<u>≯</u>	S O	Peak	ດ ≤
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Shutters on Spinning Machine





Safe Storage of Chemicals



FIRE FIGHTING SYSTEM

The factory has a full-fledged fire-fighting department. The employees are also given basic fire fighting training regarding use of Fire Extinguishers and Safety Appliances. The entire manufacturing unit, godown, ware houses where combustible are stored is covered with adequate number of hydrant points and automatic sprinkler system. The hydrant and Sprinkler system is installed as per TAC norms The hazardous spots have been provided with portable fire extinguishers, gas masks and breathing apparatus. Trained personnel are available in fire control room round the clock in three shift 05 person in each shift. Two separate telephones 101 & 5140 are provided and additional Hotline telephones are also provided at high hazardous identified areas.

The factory has fire hydrant pump with independent water reservoirs. The ring main dry hydrant system has been laid down, which covers the entire manufacturing sections, godowns, ware houses, carbon disulphide storage area, sulphur storage area etc. All the hydrant lines are inter-connected. The main hydrant line is of 8-inch diameter and 6-inch diameter with 203 hydrant outlets and 20 Water Monitors. All the water reservoirs receive water from Water Treatment Plant. Both hydrant and sprinkler systems are approved by Tariff Advisory Committee.

Hydrant system is provided with stand-by diesel pump for use, in case of emergency at the time of electric power failure.

The factory has Four Fire Tenders / Foam Tenders, A large number of Fire Extinguishers and Safety Equipment are provided for fire fighting in the plant.

The details of the Sprinkler / Hydrant sprinkler system are given in the table-

a) Sprinkler System

The sprinkler system covers all the manufacturing sections, godwons, warehouse of PC-1, PC-2 and charcoal godown in PC-3 area. Medium velocity water spray system is provided on CS2 Storage Tanks in PC-1 and PC-2 area.

b) Details of Hydrant and Sprinkler System -

		Hydrant Sy	stem		Sprin	kler Syste	m
S. No.	Location/ plant	Water Reservoir capacity]	Hydrant Pump	No. of hydrant points (Equivalent)		inkler ump
		(M3)	HP	Capacity		HP	Capacity
1	PC-1	809	125	273 M3/hr	76	125	273
						20	M3/hr
				Head-70 M		Jockey	10.8 "-
						pump	Jockey
							pump
2	PC-2	847	125	273 M3/hr	54		273
				Head-70 M			M3/hr
3	PC-3	600	125	273 M3/hr	30	-	-
				Head - 70 M			
4	Excel Fibre	550	100	273 M3/hr	26		-
	Division			Head - 70 M			
5	New Ware	540	125	273 M3/hr	17	-	-
	House			Head - 70 M			
6	Water	300	-		-	-	-
	Treatment						
	Plant (Over						
	head water						
	storage						
	tank)						
7	Diesel	PC-2	130	273 M3/hr			
	pump			Head - 70 M			
	(Stand by)						

c) Fire Fighting Equipment

The factory has four Fire Tenders / Foam Tenders. A large numbers of Fire Extinguishers and Safety Equipment are provided for fire fighting in the plant. The list of Fire Fighting Equipment, Safety Equipment and other Emergency Equipment are given below:

Type of Equipment	Capacity	Quantity
DCP Cylinder	5 Kg+ 4kg	g+2kg 244 Nos.
CO2 Cylinder	9 Kg	850 Nos.
CO2 Cylinder	3 Kg	22 Nos.
Halon & clean agent Cylinder		-40 Nos.
Foam AFFF	-	2000 Liters
Fire Buckets	-	275 Nos.
Foam Making Branch Pipes	-	10 Nos.
Fire Hoses	-	112 Nos.
Nozzles / Branches	-	56 Nos.
Self contained breathing apparatus	-	22 Nos.
Spare Cylinders(air filled for SCBA)	-	40 Nos.
Fire Suits	-	4 Nos.
Ambulance	-	2 Nos.
Portable Public Address System	-	1 Sets

Greenery Around Factory



Grasim SFD, Trimurti Gate for Staff



Grasim, Excel Fibre Division

Greenery Around Factory



Grasim - Excel Fibre Division



Grasim - Staple Fibre Division

EXHIBIT-6
Location of Continuous Ambient Air Monitoring System



EXHIBIT-6

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





Environmental Protection Measures and Safeguard

1. Waste Generation

1.1 Water Environment

Each section has a collection pit for maximizing reuse within the section itself and use in Cooling Tower makeup. The small leftover will be collected and pumping to the main effluent treatment plant.

A full fledge Common Effluent Treatment Plant with Primary and Secondary treatment facility designed on the principle of extended aeration activated sludge process in operation. The treated effluent quality will maintained consistently as per standards prescribed by MPPCB for discharge.

1.2 After Expansion

Typical Quantity of the effluent generate after proposed expansion:

Particular	Existing Generation	Additional Generation	Total after proposed expansion
Excel Fibre Division	530	680*	530

^{*}No Additional effluent will be discharged from this project as Effluent generated from this project is being used in SFD Auxiliary Cooling Towers, in place of fresh Raw Water being used earlier.

2. Air Environment

There is no source of air emission.

3. Solid & Hazardous Waste Management

We are committed to comply storage, handling and disposal management of hazardous and other solid waste arising due to manufacturing activity as per the rules laid down by MoEF. Source of Generation and disposal practice is mentioned in following table.

3.1 Hazardous Wastes

S. No	Waste	Source	Disposal method
1	Used Oil	Rotating mechanical equipments	Sold to CPCB authorized recycler
2	Used Resin	Purification process	Give back to Supplier / Common TSDF site, Pithampur

^{*}We are conducting in-house experiments at Birla Research Institute for improving Resin life. We are also in contact with Resin suppliers for the same.

3.2 Solid Waste

S. No	Waste	Source	Quantity	Quantity	Quantity	Disposal
			(Existing)	(Expansion)	Total	method
1	Tow Waste	Generated	36.5 MT /	36.5 MT /	73.0 MT /	Sold for
	(Cellulose)	during regeneration	year	year	year	Waste Fibre application / Incineration in
		process				existing coal fired Boiler

During Storage and Handling of Hazardous Materials, Hazardous Waste and Solid Waste adequate measures are being provided to avoid contamination of land or water due to accidental spillage of materials during handling and storage.

Environment Cell - Personnel and details thereof

(As on 1 st June, 2019)

S. No.	Name	Designation	Discipline	Date of Joining	Qualification
Sr. Exe	cutives (Environment Cell Re	eports to)			
1	Mr. K Suresh	President & Unit Head	Executive	05.02.2018	B.E. (Chemical), MS (Industrial Eng.)
2	Mr. Biswadeep Maity	Vice President	Executive	01.11.2016	B.Tec. (Chemical), MS, MBA (Operation)
2	Mr. Abhishek Biswas	Gen. Manager	Executive	01.07.2016	B.E. (Mechanical), MBA (Marketing)
Enviro	nment Cell				
1	Mr. Ankit Mishra	Dy. Gen. Manager	Executive	11.05.2019	B.Tech, Chemical Engineering
2	Mr. Abhay Nagar	Asst. Gen. Manager	Tech. Services	14.10.1993	M.Sc.(Chem)., M.Sc. (Ecology & Environment), PG Diploma in Environment Management, Diploma in Industrial Safety
3	Mr. Ashish Khare	Asst. Manager	Tech. Services	18.05.1998	M.Sc. (Maths), PG Diploma in Environment Management
4	Mr. Sudhir Pareek	Asst. Gen. Manager	Tech. Services	04.04.1986	M.Sc. Applied Chemistry
5	Mr. Roopesh Goyal	Dy. Gen. Manager	Monitoring	17.07.2018	B.E. (Textile)
5	Dr. Preeti Jain	Manager	Monitoring	13.09.1993	M.Sc., Ph.D. (Chem)
6	Mr. Anil Maheshwari	Asst. Manager	Monitoring	01.07.1995	B.Sc. (PCM)
7	Mr. Ravi Jain	Sr. Chemist	Monitoring	01.01.1996	B.Sc. (PCM)
6	Mr. Waseem Naqvi	Asst Manager	Process	12.08.2010	Diploma in Production Engineering
10	Mr. Amit Pandit	Asst. Manager	Process	18.05.1998	M.Sc. Chemistry BS(Process Eng.)
11	Mr. R.K.Verma	Asst. Manager	Process	18.11.2015	M.Sc.(Chemistry)., B.S.,Dip.Env.Management
12	Mr. Dilip Gohil	Officer	Process	21.10.2016	M.Sc. (Chem)
13	Mr. J.K. Wadhawa	Engineer	Process	01.07.1993	B.Sc, MA (English),BS (Pr. Engg)
14	Mr. M.S.Kushwaha	Sr. Pr. Chemist	Process	09.08.1996	B.Sc. , M.Sc. MBA
14	Mr. Jitendra Gaur	Chemist	Process	16.10.2017	B.Sc.

Information to Public

एक्सल फायबर डिवीजन

पर्यावरण सम्मति

पर्यावरण एवं वन मंत्रालय (भारत सरकार) द्वारा एक्सल फायबर डिवीजन नागदा को 7300 टन प्रति वर्ष एक्सल फायबर उत्पादन हेतु पर्यावरण सम्मति दिनांक 16.08.2012 को प्रदान की है जो पर्यावरणएवं वन मंत्रालय की वेबसाईट http://envfor.nic.in पर उपलब्ध है। ग्रेसिम इण्डस्ट्रीज लिमिटेड (एक्सल फायबर डिवीजन) रजीस्टर्ड ऑफिस - पो.ओ. बिरलाग्राम, नागदा 456 331जिला -उज्जैन (म.प्र.)

Local Language News Paper (Dainik Jagran)

Excel Fibre Division

Environment Clearance

Ministry of Environment and Forest has accorded Environment Clearance to Excel Fibre Division, Nagda for Production of 7300 TPA Excel Fibre on 16.08.2012 and same is available on MOEF

website- http://envfor.nic.in

Grasim Industries Limited (Excel Fibre Division)
Registered Office - P.O. Birlagram, Nagda
Pin - 456 331 Dist.- Ujjain (M.P.)

English News Paper (Free Press)