

May 19, 2025

No. 2033/Env-SFD/MOEF/RO(W)/BPL/EC-EFD

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 October 2024 to March 2025 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 and relevant documents for the period from October 2024 to March 2025 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,

Shantanu A 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

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: OCTOBER 2024 - MARCH 2025

Submitted on: 1 JUNE 2025

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Exhibit -1	Ambient Air Monitoring Results of Grasim (SFD, EFD & CPP) for Last 9 Months
Exhibit -2	Image of the shutters on Spinning Machine
Exhibit -3	Images of Dykes constructed for chemical storage tanks
Exhibit -4	Details of Fire Fighting Arrangement and List of the Fire Fighting Equipment
Exhibit -5	Glimpse of plantation in the complex
Exhibit -6	Image of the display board at Factory Gate showing environmental parameters for general public
Exhibit -7	Implemented measures taken for environmental protection
Exhibit -8	Details of Environment Cell
Exhibit -9	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. Excel Fibre Division is based on third generation solvent spun cellulosic technology developed by Birla Research Institute Birlagram, Nagda.
- 3. Solvent Spun Cellulosic Technology does not required hazardous chemicals like Carbon Disulphide (CS2), Sulphuric Acid (H2SO4) and Sodium Hydroxide (NaoH) in Manufacturing Process.
- 4. Solvent used for dissolving pulp and regeneration of fibre is environment friendly and more than 99.87% solvent recovered and reuse in the process.
- 5. 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.
- 6. 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.
- 7. 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.
- 8. 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.
- 9. Industry has completed ZLD Project as per stipulation given by MPPCB, CPCB, & MoEFCC Bhopal on 30.09.2021.
- 10. A vast green belt is developed to curb the emission and also to improve environmental conditions in & around Grasim complex.
- 11. Point wise compliance status of Environmental Clearance for Grasim Industries Limited, Excel Fibre Division, Birlagram, Nagda is furnished herewith;

Environment Clearance (Grasim Industries Limited, Excel Fibre Division)

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

Period: OCTOBER 2024 - MARCH 2025

General Profile

Sr. No.			Stipulation	on		Compliance Status
1.0	ind	ovember 2011, a cluding Form-1, Te	ter dated 18 th April 2011 and 3 rd along with project documents arms of Reference, Pre-feasibility information submitted vide letter and 13 th July 2011 regarding above			
	re _l da	port and additional				
2.0	Th	e Ministry of Enviro	onment a	nd Forest has	evaminod	
٠	the	application. It	is noted	that propo	isal is for	
e Primaria	ex	pansion of Solvent S	Spun Cellu	losic Fibre (3	650 TPA to	
	103	950 TPA) at Plot N	lo. 295, 3	317-319, 326	340-342	·
٠.	VIII	age Mehatwas, B	irlagram,	Tehsil Nagd	a District	ļ .
ν,	Ujja	aın, M.P. Total plot	area for e	xisting Staple	Fibre Unit	•
£.	18 1	.88.12 ha. Total plo	t area for	of the existi	ng Solvent	
**	Spr	n Cellulosic Fibr	e Unit (10 TPD) is	0.86 ha.	
	0.9	ditional land require	ement for	proposed ex	pansion is	No wild life sanctuary / reserve
	No.	2 ha within existing	/ recent	Staple Fibre	(VSF) unit.	forest is located within 10 km o
	10	wild life sanctuary km. Total cost of	the proje	orest is loca	ted within	the Plant Site.
	FOI	owing product will	be manut	actured.	JU Crores.	Total Cost of the Project is 250.15 Crores
	Sr.	Product	Producti	on Capacity	(TPA)	
.*			Existing	Proposed	Total	
				Expansion		
	1 	Solvent Spun Cellulosic Fibre	3650	7300	10950	Total Production During Reporting Period (October-2024 – March-2025) is 7106.3 (Metric
					,	Tons).
3.0	and H2SO4 will not be used in the process. Solvent		Water and Power & Steam requirement is being met from existing facilities of Staple Fibre			
	reco	very will be 99.8%	. Total wa	ter requirem	ent from	Division and Captive Power
i	the	dam of the Chamb	al River i	c 680 m2/da		and the LOWEL

Sr. No.	Stipulation	Compliance Status
	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 for the reporting period is 244.5 m3/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 99.87%
		ETP Sludge is 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.	

A. SPECIFIC CONDITIONS

Sr. No.	Stipulation	Compliance Status
1)	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, Public Hearing for the same is conducted on 05.09.2019. Final Technical Presentation for EC has been done on 22.01.2020. EAC has recommended project for EC and
ii)	Utilities requirement (i.e Water, Power and Steam) shall be met from the existing unit, no additional utilities shall be installed.	final EC is granted on 29.0.5.2020. Water, Power & Steam requirement is being met from existing facilities of Staple Fibre Division and Captive Power Plants and no additional utility will be 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	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

Monitoring results are well be the prescribed standards. Report the last six months is enclor as Exibit-1. 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. Industry is regularly conduct the work zone monitoring NABL accredited laboratory the results are well within stipulated norms for repoperiod Oct'24 to Mar'25 Area VOC Tot: mg/m3) Dus	Sr. No.	Stipulation	Comp	lliance State	us
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Sr.	Stipulation	Com	pliance Sta	tus
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······································				
		Spinning		
		area		
		20 TPD	1.61	0.27
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		Chemical	2.70	0.29
· · · · ·		Storage		
(vi)	The spinning bath shall be covered and vapor shall be	÷ .	nutter and	
	channelized and exhausted properly.		· .	as beer
100			r water vap	_
٠		of the sh		
		Machine is	enclosed as	Exibit-2.
vii)	Unit shall carry out the study to identify the	Ctudu book		
. •113	composition of the vapour generated from spinning	Study has b	confirms th	
	bath of the Solvent Spun Cellulosic Fibre.		-	
	bath of the Solvent Spun Cellulosic Fibre.	no solventi	in the vapou	ur.
viii)	For further control of fugitive emissions, following	a) All the	chemicals	are being
6 · ·	steps shall be followed:		rough clos	.
			manual ha	-
	a) Closed handling system shall be provided for		is involve	
4. 4	chemicals.	process.		
			•	
		h) Dykoc h	ave been c	onstructor
	b) System of leak detection and repair of		* * .	
	1		Ū	
	pump/pipeline based on preventive maintenance.		Exibit-3.	
			ce is being o	carried ou
		as per the s	cneaules.	
			ot required i	
٠	c) The acids shall be taken from storage tanks to		wever sma	
	reactors through closed pipeline. Storage tanks shall	of Hydroch	iloric Acid i	is required
*	be vented through trap receiver and condenser		eration of	
	operated on chilled water.		ification. St	
		of Hydrocl	nloric Acid	has beer
		provided w	ith a vent h	naving trap
		receiver.	•	
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	·			
	·	A Company of the Comp		

Sr. No.	Stipulation	Complia	nce Status
	d) Cathodic protection shall be provided to the underground solvent storage tanks.		no underground tanks in the plant.
ix)	As proposed, solvent recovery shall be not less than 99.8%	six months is	overy for the last at 99.87%. The ery month wise as
•		Month	Recovery %
		Oct-24	99.86
		Nov-24	99.86
		Dec-24	99.87
		Jan-25	99.88
- '		Feb-25	99.87
		Mar-25	99.87
		Average	99.87
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.	Noted	
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.	for reporting m3/day from C	ater consumption period is 388.5 hambal River er is being utilized
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.	Solvent Spun plant for the r 244.5 m3/day Additional ef from expande utilized in SFD We are also treated effluit laboratory and sent regularly to	d report is being to MPPCB.
		and blow dow towers is route	ated from the plan vn of SFD cooling ed through ETP and effluent is being

Sr.	Stipulation	Compliance Status
No.		
		discharged in and around project site.
		As of now, 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.
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.
		As of now, we have completed the ZLD project as per stipulation given by MPPCB. We have communicated to MPPCB, CPCB & MoEFCC IRO, Bhopal, regarding
xiv)	The company shall obtain Authorization for collection, storage and disposal of hazardous waste under the Hazardous Wastes (Management, Handling and Trans boundary) Rules, 2008 and amended as on date for management of Hazardous Waste and prior	the ZLD commissioning Hazardous Waste Authorization obtained from M.P. Pollution Control Board and has validity up to 31.05.2028. M.P. Pollution Board has issued Hazardous
	permission from MPPCB shall be obtained for disposal of Solid / Hazardous waste in the TSDF.	Waste Authorization vide consent No. AWH-58378, Outward No:118282, dated 12/06/2023
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

Sr. No.	Stipulation	Compliance Status
- · · · · · · · · · · · · · · · · · · ·		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.
	e. Venting equipment through vapour recovery system	e) There is no process vents in the plant.
	f. Use of high pressure hoses for equipment clearing to reduce wastewater generation	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.	1
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

Sr. No.	Stipulation	Compliance Status
		details of land use is enclosed in Exibit-5
xxi)	Provision shall be made for the housing for the construction labour 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. All C&D waste is used for filling of low line area within premises.

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 CTE-56900 vide outward No. 116671 dated 18.10.2022, and Consent to Operate under Air Act vide their
		letter No. AW-60069 dated 30.04.2024 and under the Water Act vide their letter No. AW-60069 dated 30.04.2024 Validity up to 31.05.2025.
(ii)	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.	Acknowledged. Prior approval of the Ministry of Environment and forest will be taken for further expansion or modifications in the plant. 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, Public Hearing for the same is conducted on 05.09.2019. Final Technical Presentation for EC has been done on 22.01.2020. EAC has recommended project for EC and final EC has been granted on 29.05.2020. CTE-56900 (Expansion) is granted dated 18.10.2022. There

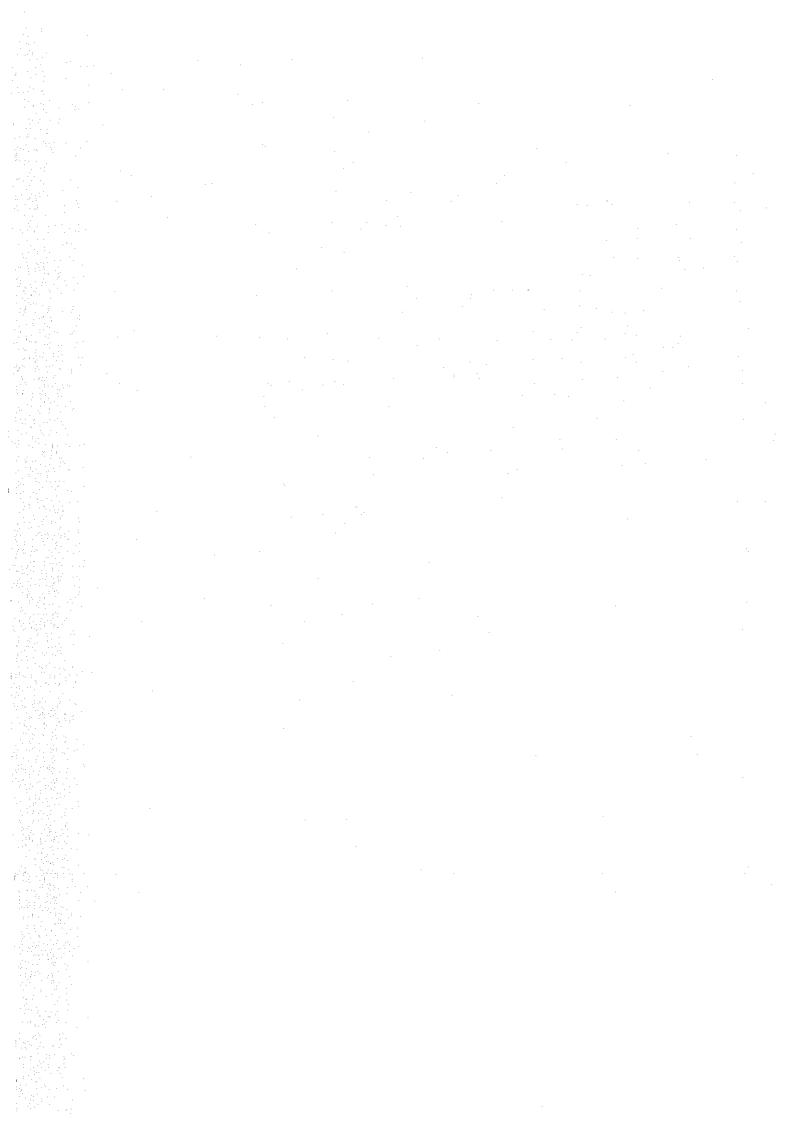
Sr. No.	Stipulation	Compliance Status
		is no increase in any pollution load due to increase in production capacity of Solvent Cellulosic Fibre from 30 TPD to 45 TPD
iii)	The locations of ambient air quality monitoring station shall be decided in consultation with State Pollution Control Board (SPCB) and it shall be ensured that at least one station is installed in the upwind and	We have installed 03 (Three) Continuous Ambient Air Quality Monitoring System for Grasim SFD, EFD & CPP in consultation
	downwind direction as well as where maximum ground level concentrations are anticipated.	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 Exibit-6
		We have also installed 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 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	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
	(night time).	prescribed standards. Ambient Noise Level (dBA) is
		measured by Third party and average results for the period April'24 to September'24 is tabulated as under;
		Area Day Night Norms 75 70

Sr.	Stipulation	Compliance Status
No.		
		Occupational 60 52
٠		Nagda Town 54 44
		Durgapura 52 42
		West Direction (Vishnu 55 44
		Bhawan) Temple Guest 54 43
		House 54 43
		North 55 45
		(Labour Club) East Direction
		(Fabrication 60 52
		Shop)
V.	The company shall harvest rain water from roof tops	Rain Water Harvesting system
	of the buildings and storm water drains to recharge	has been installed.
	the ground water and use the same water for the	
·	process activities of the project to conserve fresh water.	
vi.	Training shall be imparted to all employees on safety	Training is being imparted to all
	and health aspects of chemicals handling. Pre-	employees for Safety and health
	employment and routine periodic medical	aspect for chemical handling.
	examinations for all employees shall be undertaken	
	on regular basis. Training to all employees on handling	Pre-employment and routine
	of chemicals shall be imparted.	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	PPE are provided to all employee
	employee / workers shall be ensured.	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	All the measures proposed for
VIII.	environmental protection measures and safeguard	environmental protection has
	proposed in the documents submitted to Ministry. All the recommendations made in the EIA/EMP in	been implemented. Details of the measures are enclosed as Exhibit
.,,	respect of environmental management, risk	7.

Sr. No.	Stipulation	Compliance Status
	mitigation measures and public hearing related to the project shall be implemented.	
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 2024-2025) are 5.68 Lacs with annual expense of Rs.
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 undertaken for overall improvement of environment. Details are
xi.	A separate Environment Management Cell equipped with full fledged laboratory facilities shall be setup to carry out the Environmental Management and Monitoring functions.	enclosed in Exhibit-7 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 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 /	Copy of the clearance letter has been given to concern authority and also placed on company website for general public.

Sr. No.	Stipulation	Compliance Status
	representations, if any were received while processing the proposal.	
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 April 2024 – September 2024 on 16.11.2024. A copy of the same is also posted on the company website.
xv	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 by e-mail.	We are regularly submitting Environment Statement before 30th September every year to the board. In addition, we have started submitting the copy of environment statement to IRO Bhopal.
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 . As advised, MOEFCC, IRO Bhopal was communicated through email with a copy of the newspaper advertisement enclosed
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.	concerned authorities.

Sr. No.	Stipulation	Compliance Status
		SFD / PCB / BPL / RO-MoEF/EFD dt 06/02/2013.
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 of 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 letter No. AW-60069 dated 30.04.2024 and under the Water Act vide their letter No. AW-60069 dated 30.04.2024 Validity up to 31.05.2025.



FORMAT - II A

Ambient air quality data at Nagda for the month of: October 2024

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Ambient air quality data at Nagda for the month of a October 2024

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Ambient air quality data at Nagda for the month of : November-2024 All results expressed as Microgram/M3

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	22.06	25	82	7.	22	20		£	28

Tr.: Tracess BOL: Below detectable Limit

ND: Not Detectedbie

FORMAT . II B

Ambient air quality data at Nagda for the month of: November-2024

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•	& Year	e	n A.M. S.D. Peak	SD	peak	Ľ	n A.M. S.D. Peak	S.D.	Peak	_	AM	SD	Peak
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cation Shop		!		!		<u></u>	.,			-			
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A.M. = Arthunetic mean. S.D. = Standaird 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.

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.

OM3	Peak G.M	28 26	25 23	22. 21	38	
PM2 5 microgram/M3	SOP		5.0	7,0	80	
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FORMAT II A

Ambient air quality data at Nagda for the month of : February 2025

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		SO2 NC	NO, CS,	H,5	SO ₂	L J	NO, CS, H,S	z,	SO2	Ç,	CS,	H ₂ S	502	NO ₂	Cs.	S T	SO ₂	NO.	CS, H	8 S'H	SO ₂ N	NO2 CS2	S, H,S	s so,	2 NO2	2 CS2	SH	cos	S.	cs ₂	F H2S	8.14	4 14.22	22 22 06	34	4 14-22	22 23	22.06
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Ambient air quality data at Nagda for the month of : February 2025

	Month	SO	EM/Dri			င့် Ž	m/ort		,	ŝ	, w/61				\$5. E.	zim ³			MID	PM10 microgram/M3	am/M3			T.	PM2 5 microgram/M3	gramA	₽	
	& Year n A.M. S.D. Peak	n AM	8.0	Peak	E	n A W	SD. I	Peak	E	A.W.	S.D.		1	1	AW S.D.	D Pr	Peak	=	A.M.	n AM SD Peak GM) aak	20	_	n A	SI	S.D. Peak		5
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Vishnu Bhawan												-	-		•••••			_						******				-
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A.M. *Arithmetic mean, S.D. *Standard Deviation, G.M. *Eeometic mean,n*number of observation.

Note: Norms for SQ2, NO2., PM10 & PM2.5 as per National Ambient Air Quality Standards and Permissible limit for CS2 ≠ 100 µg/m3 and H2S ≠ 150 µg/m3.

Ambient air quality data at Nagda for the month of : March-2025 All results expressed as Microgram/M3

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1 NO2 CS2 H2S 6-14 14-22 22-06 6-14 14-22 17.5 16-5 16-8 46 45 46 26 26 25 17.3 18-5 17.3 46 47 46 26 25 13.0 13.0 13.0 40 41 40 22 21 12.0 11.7 11.3 42 40 42 22 21 12.2 12.2 12.3 41 40 41 23 22 11.5 11.8 12.8 41 42 41 21 20 17.2 13.8 14.0 47 45 47 26 27 14.8 13.2 12.8 45 44 45 26 26
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FORMAT - II B

Ambient air quality data at Nagda for the month of : March-2025

Sampling Incation	Month	Š	SO2 microgram/M3	COLERTY	<u>₹</u>	Ž	NO2 microgram/M3	June 1	M 3		CS2 microgram/M.	ogram	₹
	A Year	ď	n A.W. S.D. Pesk	S.D.	Peak	Ξ.	AM SD Peak	S.D.	Peak	۲	A.M. S.D. P	SO	_
EAST	Mairch-2025	23	18.4	1.7 2.1	2	- 22	12 17.4 1.6 20	1.6	8	12	12 17.4 2.2	2.2	
Fabrication Shop WEST	March-2025	12	12 12.8 1.2 15	2	ស្	2	12 125 13 15	φ. 63	Ð	12	12 12.3	5	
Vishmu Bhawan NORTH	March-2025	12	12 12,0 1.7 15	-	δ.	32	12 11.8 1.8 15	6 0	÷.	Ċ.	12 12.5	-	
Labour-Ckdb SOUTH	Merch 2025	Ç	12 15.2 2.1 19	, F	<u>m</u>	12	12 180 1.8 20	80	8	2	12 135 12	Ţ	
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salty Standards and Permissible limit for CS2 = 100 pg/m3 and H2S = 150 pg/m3

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 c	AW	S.D.	Pesk	Э С
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40	22	0.5	23	. 53
60	22	#13 F17	53	77
¢	28	0	27	25
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Ambient air quality data at Nagda for the month of : December-2024

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	8	EAST		WEST		NORTH			SOUTH		····	

FORMAT - BB

Ambient air quality data at Nagda for the month of : December-2024

Sampling location		EKET	Cavication Shop	Visiting Bruswan D	Sind	
Month	& Year	-	Dec. 2024 12 17.4 2.0 20	Dec 2024 12 13.8	Dec 2024 15 11.6 1.3 14	Dec. 2024 18 18.3 2.0 22
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A.M.=Arithmetic mean, S.D.=Standard Deviation, G.M.=Geomstric mean, naturater of observation.

Norts for 502, NO2 8, SPM as per NAAOM Standard and Premissible limit for 522 = 130 µg/m3 and H2S.= 150 µg/m3.

FORMAT - ILA

DOC FENC. 04

Ambient air quality data at Nagda for the month of : January-2025.
All results expressed as Microgram/M3

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Tr.: Tracess. IDL : Below detectable Limit

FORMAT - II B

Ambient air quality data at Nagda for the month of : January-2025

12 16.6 2.5

> 12.3 12 17.7

12 12.9 2

12 14.7 25

5.3

muany-2025

Sampling location

ÇD.

4 42

9.0 8.0 0.8

9

> Quality Standards and Permissible limit for CS2 = 100 upin3 and H2S = 150 µg/m3 .M.=Authmetic mean, S.D.=Standard Deviation, G.M.=Geometric motors for SO2, NO2, PM10 & PM2.5 as per National Ambient

2

17.9 1.7

22

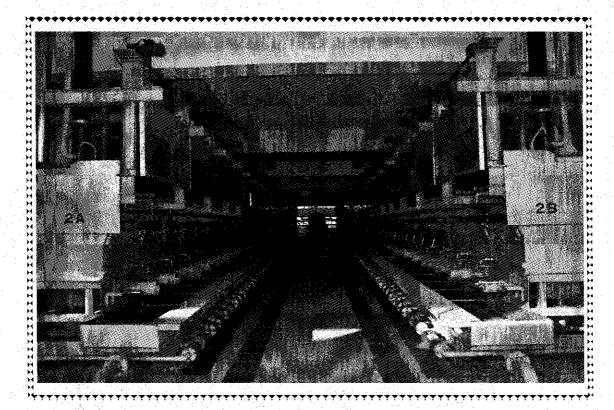
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January-2025 Jerusty-2025 musny-2025

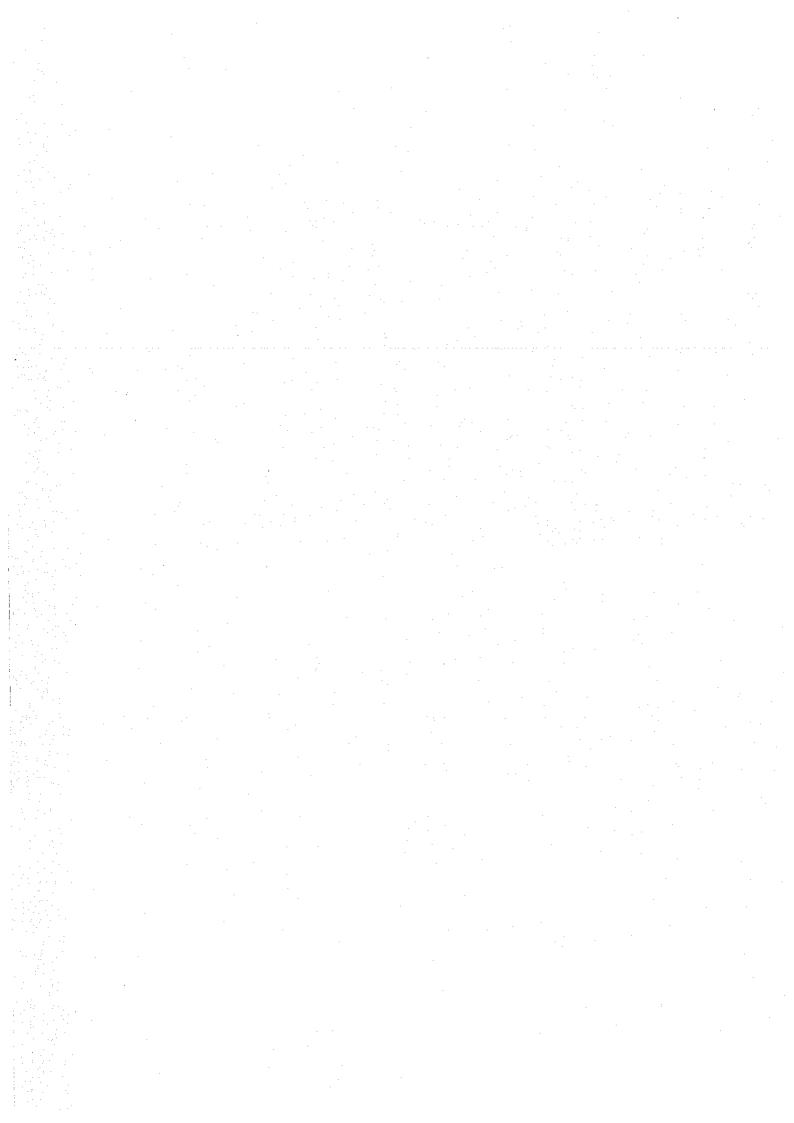
abrication Shop /lahriu Bhawah about-Club

Exhibit#2

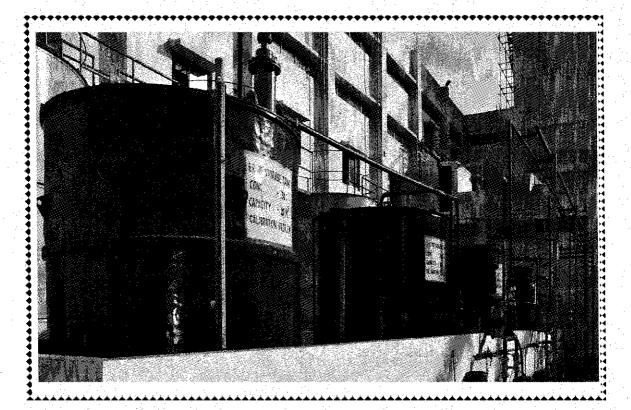
Shutters on Spinning Machine

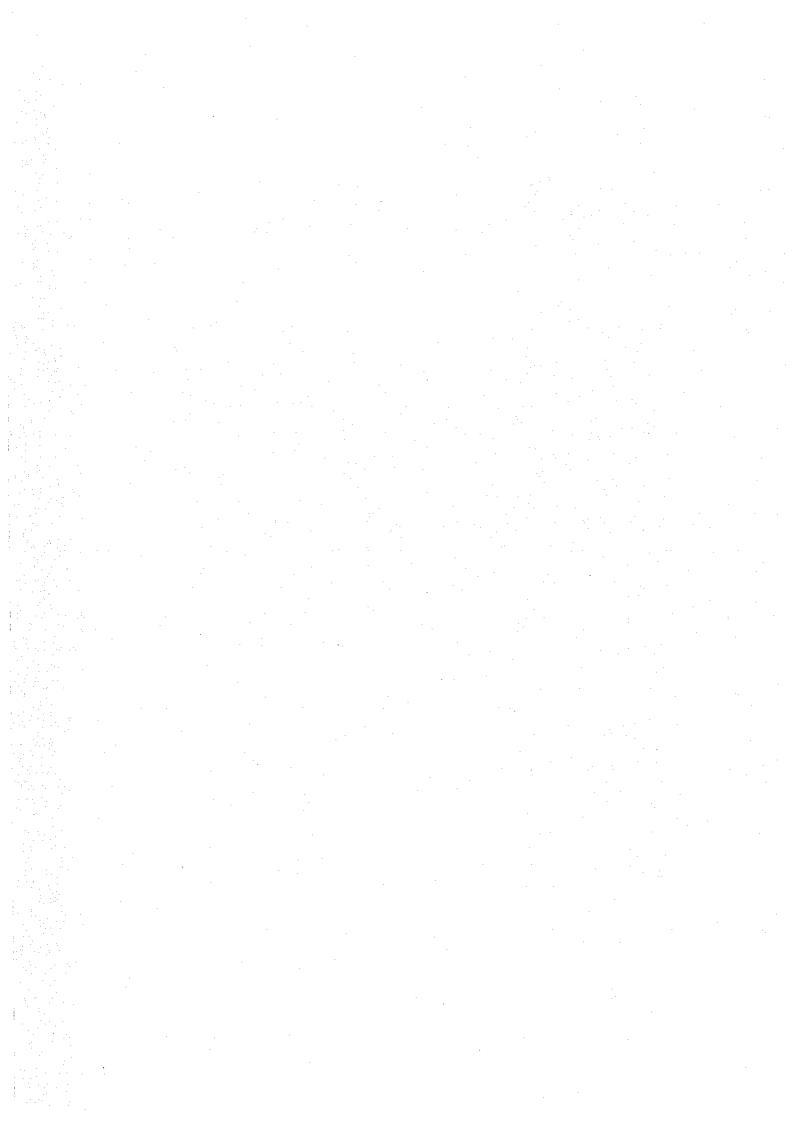






Safe Storage of Chemicals





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, and self-contained breathing apparatus. Trained personnel are available in fire & First aid control room round the clock in three shift 05 person in each shift. Three nos. separate telephones 101, 4101 are provided.

The factory has fire hydrant pump with independent water reservoirs. The ring main dry hydrant system has been laydown, which covers the entire manufacturing sections, Godown, warehouses, 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. Tariff Advisory Committee approves both hydrant and sprinkler systems.

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 Two Fire Tenders - All Two Foam Tenders and adequate 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, Godown, warehouse of PC-1, PC-2 and PC-3 (in charcoal Godown). Water spray system is provided for CS2 Storage Tanks in PC-1, PC-2 and PC-3 area.

b) Details of Hydrant and Sprinkler System -

		Hydrant Sys	stem		Sprink	der Syster	n
S. No.	Location/ plant	Water Reservoir capacity		ydrant Pump	No. of hydrant points (Equivalent)		nkler imp
		(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 "-
					$\frac{1}{N}$	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	-	-
:		The state of		Head - 70 M			
4	Excel Fibre	550	100	273 M3/hr	26		-
-	Division			Head - 70 M			
5	Ware House	540	125	273 M3/hr	17	-	-
	No. 15			Head - 70 M			•
6	Water	300			-		-
	Treatment						
	Plant (Over						
	head water						
	storage						
	tank)						
7.	Diesel	847	150	273 M3/hr.	-	-	-
	Pump(PC-2)			Head - 70 M			
	(Stand by)		:				
8	Power plant	1200	125	273 M3/hr.			
				Head - 88M			

C) Fire Fighting Equipment

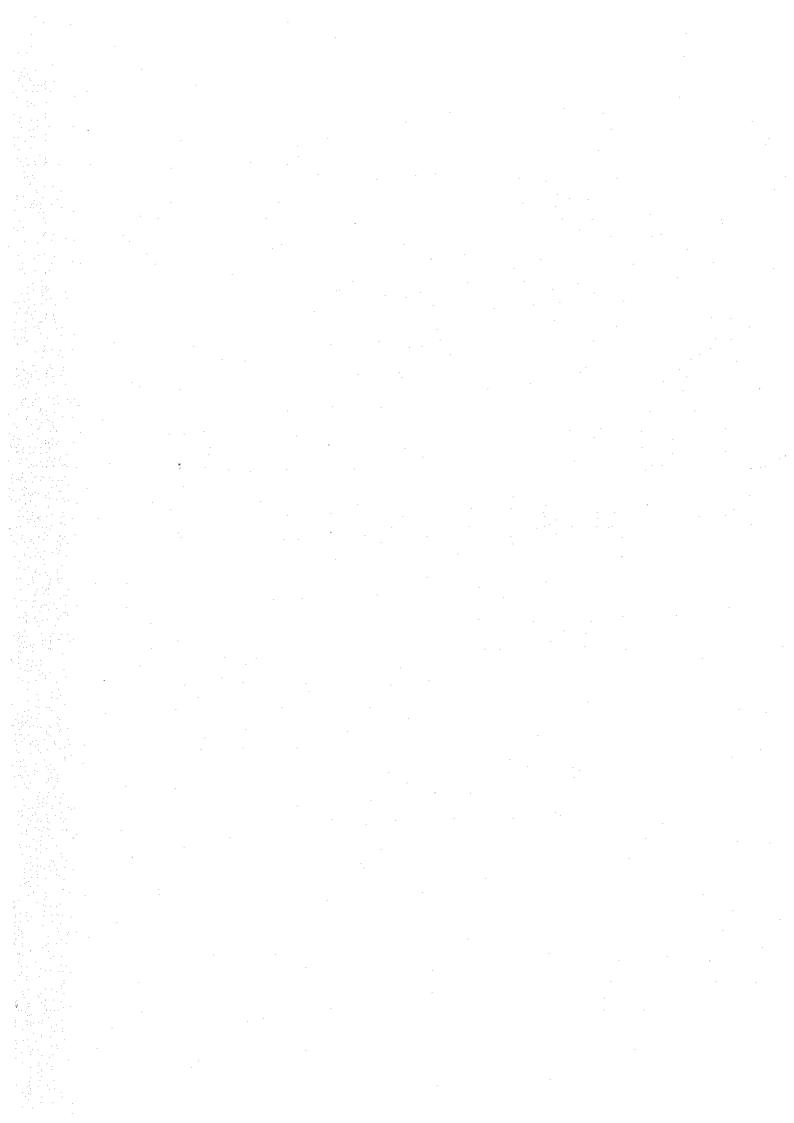
The factory has two Fire Tenders- Two Foam Tenders. A large no. of Fire Extinguishers and Safety Equipment are provided for fire fighting in the plant. The list of Fire Fighting Equipment, Safety Equipment and other Emergency Equipment are given below:

Type of Equipment	Capacity	Quantity	
DCP Cylinder	4kg +2kg	253 Nos.	
CO2 Cylinder	9 Kg	1001 Nos.	
CO2 Cylinder	3 Kg	22 Nos.	
Clean agent		55 Nos.	
Foam AR-AFFF	-	1000 Liters	
Fire Buckets	-	255 Nos.	
Foam Making Branch Pipes	•	10 Nos.	ar
Fire Hoses	- *	264 Nos.	
Nozzles / Branches		56 Nos.	
Self-contained breathing apparatus	- -	35 Nos.	· · · · · · · · · · · · · · · · · · ·
Fire Suits	, .	4 Nos.	

Hydrant Pump – PC-1, PC-2, PC-3, W/H - & EFD.and Power plant = Seven Nos.

Sprinkler Pump PC- 1 & PC- 2 = 2 Nos.

Standby Diesel Driven Pump = 2 No



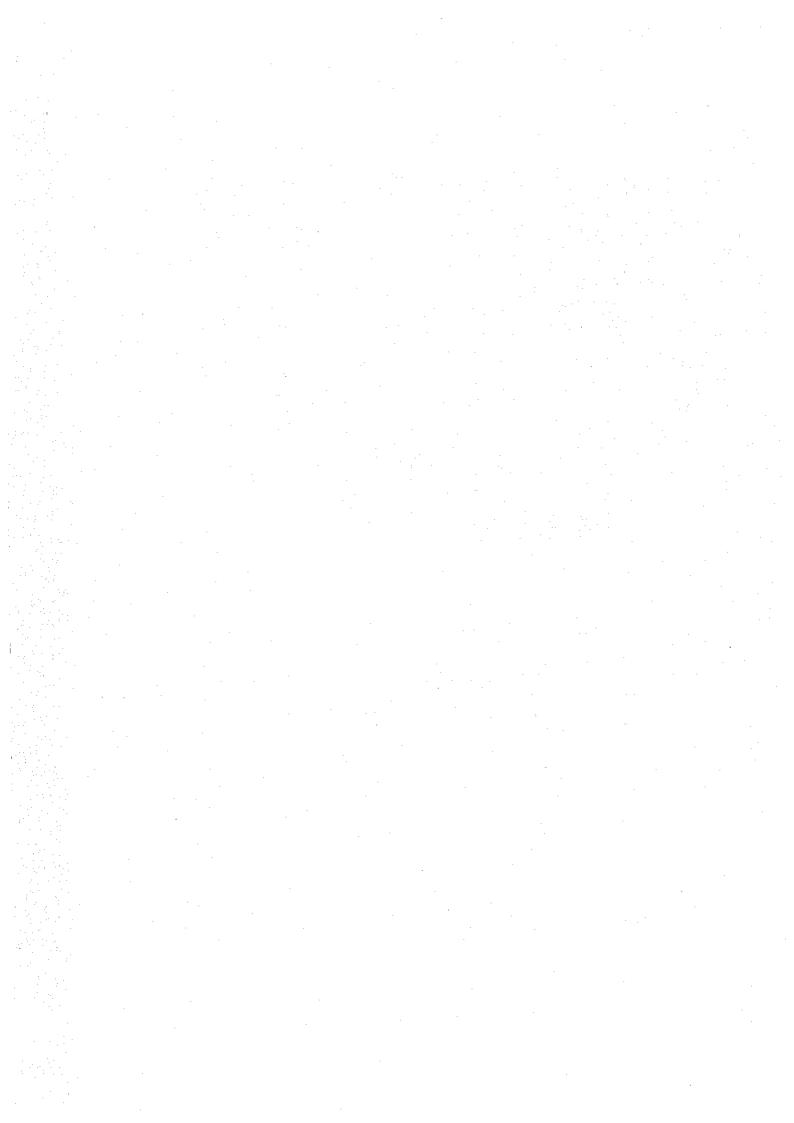
Greenery Around Factory



Grasim SFD, Trimurti Gate for Staff

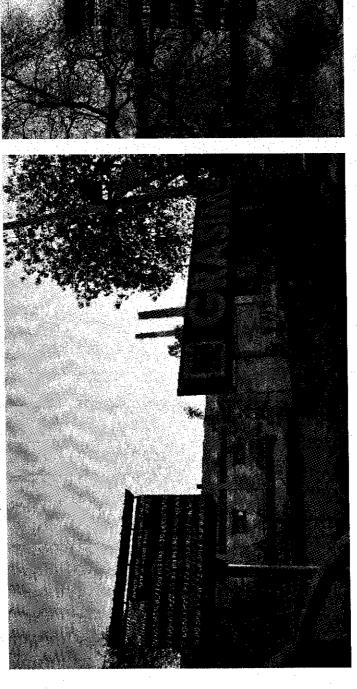


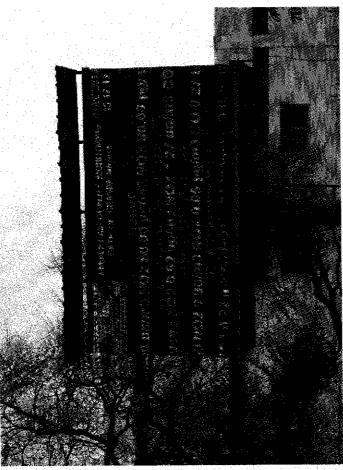
Grasim, Excel Fibre Division



Location of Continuous Ambient Air Monitoring System

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.

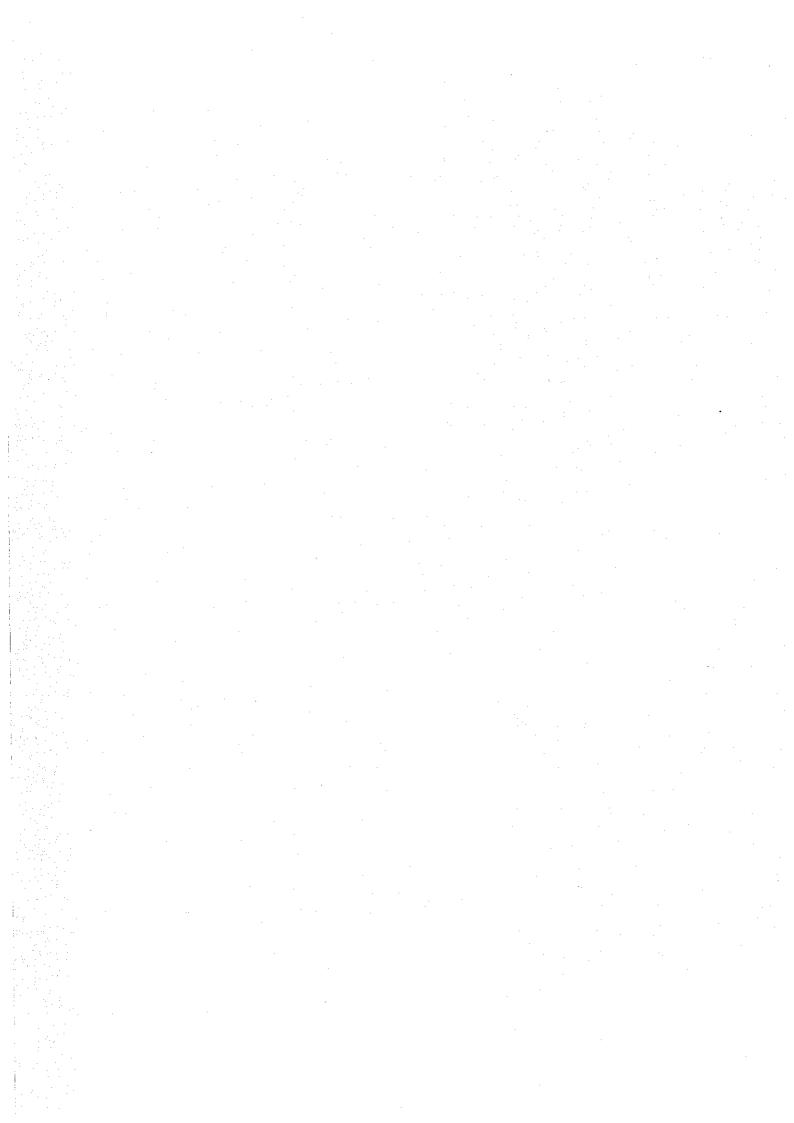
2. Air Environment

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	Sold to CPCB authorized recycler
		mechanical	
		equipments	
2	Used Resin	Purification	Give back to Supplier / Common
		process	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	year	year	year	Waste Fibre application /
		regeneration				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.

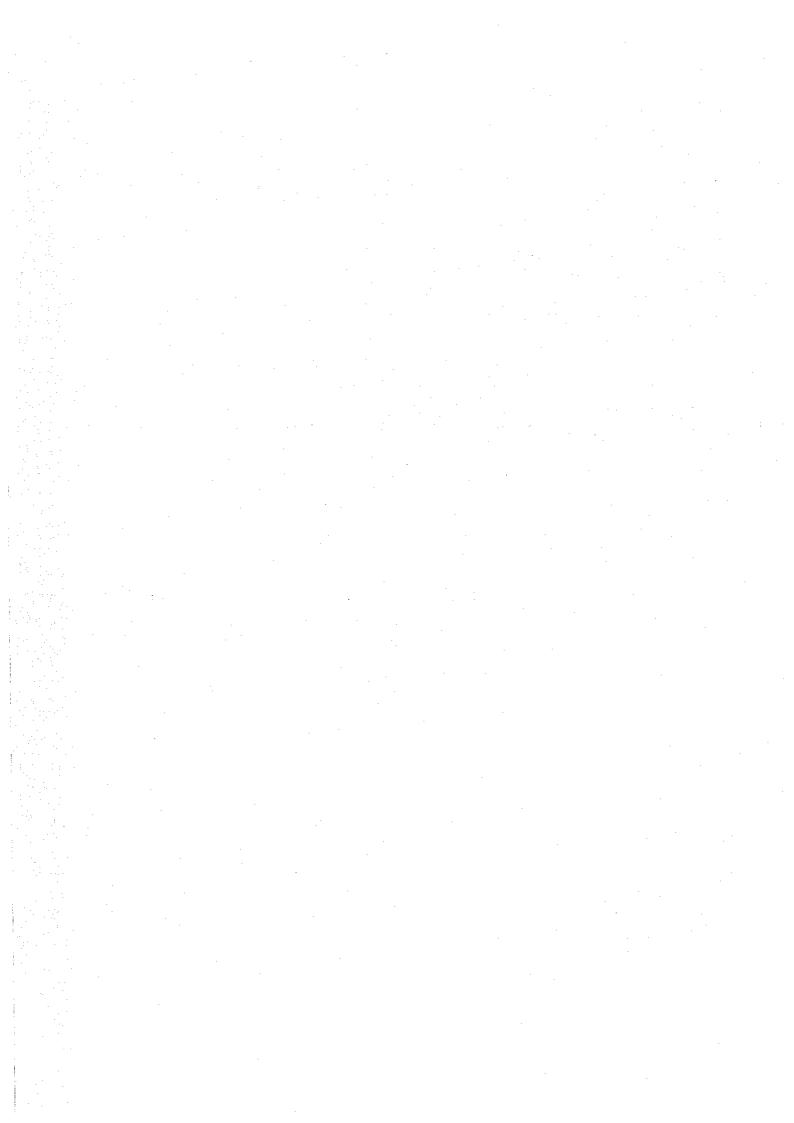
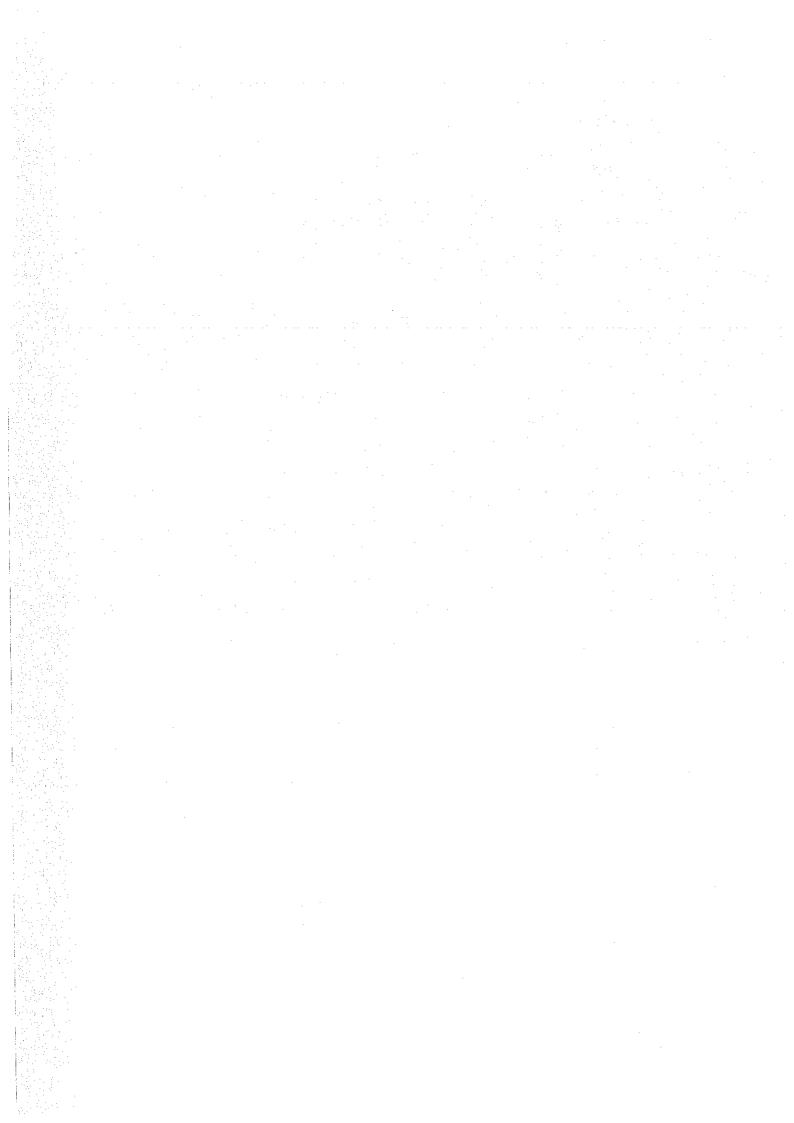


Exhibit-8

Environment Management Cell - Personnel and details thereof

(As on 31th March, 2025)

			(710 011 01	ui March, 202	<u>~,</u>
S. No.	Name	Designation	Discipline	Date of Joining	Qualification
Sr. Exec	cutives (Environment Cell	Reports to)			
1	Mr. Shantanu A Kulkarni	President & Unit Head	Executive	20.11.2023	B.E (Chemical)
2	Mr. Ashish Maheshwari	Vice President	Executive	16.08.2019	B.E. (Mechanical)
3	Mr. Jaideo Kaushik	Vice President	Executive	15.01.2025	B.E (Chemical)
4	Mr. Rajesh Pathak	Gen, Manager	Executive	19.07.2024	B.S (Process Engineering), M.sc (Chemistry).
Environ	ment 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. R D Parashar	Deputy Gen Manager	Monitoring	01.04.2024	M.Sc. PGDEM
4	Mr. Rishikant Nigam	Manager	Monitoring	25.08.1990	B.S (Process Engineering)
. 5	Mr. Anil Maheshwari	Deputy Manager	Monitoring	01.07.1995	B.Sc. (PCM)
6	Mr. Ravi Jain	Asst, Manager	Monitoring	01.01.1996	B.Sc. (PCM)
• 7	Mr Anil Vijay	Asst. Gen .Manager	Process	26.08.1987	M.Sc. (Chem), BS(Process Eng.)
8	Mr. M.S.Kushwaha	Deputy Manager	Process	09.08.1996	B.Sc. , M.Sc. MBA
9	Mr. Amit Pandit	Asst. Manager	Process	18.05.1998	M.Sc. Chemistry BS(Process Eng.)
10	Mr. R.K.Verma	Asst, Manager	Process	18.11.2015	M.Sc.(Chemistry)., B.S., Dip. Env. Management
11	Mr. Dilip Gohil	Officer	Process	21.10.2016	M.Sc. (Chem)
12	Mr. J.K. Wadhawa	Asst. Manager	Process	01.07.1993	B.Sc, MA (English),BS (Pr. Engg)
13	Mr. Jitendra Gaur	Chemist	Process	16.10.2017	B.Sc.
<u> </u>		<u> </u>			



Information to Public

एक्सल फायबर डिवीजन

पर्यावसम्बद्धाः

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 दिवीजन) रजीस्टर्ड ऑफिस - पो.ओ. बिरलाग्राम, नागदा 456 331जिला - उन्नेन (म.प्र.)

Local Language News Paper (Dainik Jagran)

EXCENTION 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)

