

December 01, 2020

No. 1588/Env-SFD/MOEF/RO/BPL/EC-40MW

Director

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

Sub: Submission Environment Clearance Compliance Report for the period from April 2020 to September 2020 for Grasim Industries Limited, 40 MW Thermal Power Plant, P.O. Birlagram, Nagda, District Ujjain – 456 331, M.P.

Ref: Environment Clearance Issued vide File No. J-13011/18/94-IA II

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 data sheet and summary of monitoring results for the period from April - 2020 to September - 2020 of Grasim Industries Limited, 40 MW Thermal Power Plant.

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,

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

SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT CLEARNACE FOR

GRASIM INDUSTIRES LIMITED, (40MW THERMAL POWER PLANT)

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, (40MW Thermal Power Plant)

Birlagram, Nagda – 456 331

District: Ujjain (M.P.)

Period: APRIL 2020 – SEPETEMBER 2020

Submitted on: 1 DECEMBER 2020

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Exhibit -2	Summary of Treated Effluent Monitoring results of reporting period
Exhibit -3	Glimpse of plantation in the complex
Exhibit -4	Image of the display board at Factory Gate showing environmental parameters for general public
-xhihit -5	Ambient air quality monitoring results of reporting period

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. 40 MW Thermal Power Plant is coal based thermal power plant located at Birlagram, Nagda.
- 4. 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.
- 5. 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.
- 6. 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.
- 7. Online Continuous Emission Monitoring System (CEMS) is installed at stack and connected with M.P. Pollution Control Board and CPCB, New Delhi.
- 8. Online Continuous Effluent Quality Monitoring System (CEQMS) is installed and connected with M.P. Pollution Control Board and CPCB, New Delhi.
- 9. A vast green belt is developed to curb the emission and also to improve environmental conditions in & around Grasim complex.
- 10. Point wise compliance status of Environmental Clearance for Grasim Industries Limited, 40MW Thermal Power Plant Fibre Division, Birlagram, Nagda is furnished herewith;

Environment Clearance

(Grasim Industries Limited, 40 MW Thermal Power Plant) MOEF Ref. O.M. No: J-13011/18/94-IA. II dated 01.03.1995 Period - APRIL 2020 — SEPETEMBER 2020

Sr.	Conditions and Environmental Safeguards	Compliance Status
	M/s Grasim Industries Limited may refer to proposal dated 26.08.1994 on the subject mentioned above. The Proposal has been examined and accorded clearance from environmental angle subject to effective implementation of the following conditions and environmental safeguards:	Acknowledged
1	All the conditions stipulated by the State Pollution Control Board shall be implemented effectively.	Industry is complying the conditions laid down by state pollution Control Board and has valid consents & authorization issued by M.P. Pollution control board; • Consent under The Water (Prevention and Control of Pollution) Act, 1974 issued vide Letter No. AWH-52040 dated 01.09.2020 valid up to 31.07.2021. • Consent under The Air (Prevention and Control of Pollution) Act 1981 issued vide letter no. AWH-52040 dated 01.09.2020 valid up to 31.07.2021. • Authorization under the hazardous waste rule issued vide No.AWH-52040 dated 01.09.2020 valid up to 28.05.2025.
2	A stack height of not less than 76 meters shall be provided along with ports for stack monitoring	A stack of 76-meter height constructed and stack monitoring port has been provided for sampling. Online Continuous Monitoring System (CEMS) is also provided at stack and connected to M.P. Pollution Control Board and Central Pollution Control Board, New Delhi.
3	The Electrostatic precipitators having an efficiency of not less than 99.8% shall be installed.	Two High Efficiency Electrostatic Precipitators having three field each has been provided to boilers, which are

Sr.	Conditions and Environmental Safeguards	Compliance Status
		performing efficiently to meet particulate emission norms. Emission monitoring is done and reports are being submitted to Regional Officer, MoEF&CC, Bhopal regularly.
4	The particulate emission shall not exceed the prescribed limit of 350 mg/Nm3 at any time	Two High Efficiency Electrostatic Precipitators has been provided to boilers, which are performing efficiently to meet particulate emission norms. Emission monitoring is done and reports are submitted to Regional Officer, MoEF&CC, Bhopal regularly. Plant was under shutdown during reporting period as summary is enclosed as Exhibit -1
5	Dust suppression and dust extraction devices shall be installed in the coal handling area to ensure the level of dust within prescribed limits	Complied, following measures have been taken to control dust pollution from coal storage and handling area; • Water Sprinkler System is provided at coal unloading points i.e. at Truck Tripler and Wagon Tripler • Water Sprinkler System has been provided at coal storage area • Coal is transferred through covered conveyer system. • Dust Suppression system is provided at al transfer point of coal conveyer. • Dust extraction system with bag filter is provided in coal crusher house • Thick plantation has been done around the coal storage area Dust level is monitored regular basis in coal handling area and monitoring results are well within the norms.
6	Closed circuit cooling with induced draft cooling tower shall be provided	Closed circuit cooling tower with induced draft has been provided.
7	The liquid effluents will be suitably treated to conform to the prescribed standards before being discharged into nallah. Efforts should be made to utilize the treated effluent to the maximum extent possible so as to conserve water.	System has been developed and a Lamela Clarifier has been installed for maximum utilization of waste water for sprinkler system for coal storage & handling area and fly ash quenching. Balance waste water is treated in common effluent treatment plant equipped with secondary treatment facility before discharge into Nalla.

Sr.	Conditions and Environmental Safeguards	Compliance Status
		Industry has also installed Continuous Effluent Quality Monitoring System (CEQMS) for treated effluent and same is connected to Environmental Surveillance Centre of M.P. Pollution Control Board, Bhopal and Central Pollution Control Board, New Delhi.
		Treated effluent quality parameters are monitored and reports is being sent to Regional Officer, MoEF&CC, Bhopal regularly. Summary of treated effluent monitoring report for reporting period is enclosed as Exhibit -2
8	An effective and workable plan of ash utilization starting with at least 20% utilization during the first year which may gradually increase by 10% every year so as to achieve 100% utilization by the end of the ninth year may be prepared and submitted. While disposing of the ash through sale to outside parties, it needs to be ensured that the ash is used in an environmentally compatible manner and does not pose any environmental hazard	Industry has installed fly ash collection system and achieved 100% utilization of fly ash in Cement & Brick Manufacturing Industry. Industry has been regularly summiting the Annual Implementation Report for compliance of the provisions of Fly Ash Notification. Last Annual Implementation Report is submitted vide our letter No. 1510/Env-SFD/MoEF/Fly Ash Comp Rep on 25.04.2020.
9	Workers in the high noise area will be provided with ear protection devices.	Appropriate personal protective equipment's (PPEs) has been provided to employees based noise level at workplace and required noise insertion loss. Noise monitoring has been done regularly to identification of high noise area & adopt appropriate control measure.
10	Green belt of adequate width with suitably selected species should be raised all around the power plant as also around the ash dump area and coal handling area.	Green belt has been developed in industrial complex. Selected species for has been raised in power plant area and coal storage area. Images of green belt provided in power plant area is enclosed as Exhibit -3.
11	Regular monitoring of the air quality around the power plant may be carried out and records maintained. Periodic report of air quality may be submitted to this Ministry. Data on S02 emission should be rechecked and furnished to the ministry within three months.	Regular monitoring of the ambient air quality around the industrial campus is being carried out on regular basis and record are being maintained. Industry has installed 03 (Three) Nos of Continuous Ambient Air Quality Monitoring system (CAAQMS) in consultation with M.P. Pollution Control Board for continuous monitoring of

Sr.	Conditions and Environmental Safeguards	Compliance Status
		ambient air quality and monitoring results are being displayed on 6 feet X 12 feet LED display board at factory gate for public. Image of the LED display board is enclosed as Exhibit -4. Four ambient air quality monitoring station in all four directions has been setup in consultation with CPCB & MPPCB. Regular monitoring of ambient air quality is being carried out and report is being submitted to MPPCB and CPCB and Regional Office of MoEF&CC. Monitoring results are well within the prescribed standards. Report of the reporting period is enclosed as Exhibit -5.
12	Status report on the compliance of pollution standards in respect of existing units may be furnished to this ministry within three months.	Emission and Discharge monitoring from existing units is being carried out and results are in compliance with regulation. Monitoring results is regularly reported to Regional Office, MoEF&CC, Bhopal on quarterly basis. Last report submitted for the period from July-2020 to Sepetember-2020 vide our letter No. 1573/Env-SFD/MoEF/BPL/Report dated 09.10.2020.
13	Separate funds should be allocated for implementation of Environment protection measures along with item wise breakup. These cost should be included as part of the project cost. The funds earmarked for environmental protection measures should not be diverted for other purposes.	separate fund was allocated for environmental protection in the project cost and item wise breakup is as follows; • Electrostatic Precipitator 2 Nos-Rs. 238 Lacs • Fly Ash handling system – Rs 45.38 Lacs. • Stack 76-Meter Height – Rs.63.13 Lacs • Dust Suppression System – Rs. 9.67 Lacs • Water Recycling System – Rs. 4.27 Lacs Industry has also installed Continuous Emission Monitoring System (CEMS) at Stacks - Rs. 26.43 Lacs.
14	The stipulated conditions will be monitored by our Regional Office, Located in Bhopal.	Acknowledged
15	A half yearly report on the status implementation of the stipulated conditions	A half yearly compliance monitoring report is being submitted to MoEF&CC

Sr.	Conditions and Environmental Safeguards	Compliance Status
	and environmental safeguards shall be submitted to this Ministry.	regularly. Industry has submitted last six monthly compliance report vide letter No. 1518/Env-SFD/MoEF/RO/BPL/EC-40MW dated 23.05.2020 for the period from October 2019 to March 2020.
16	The conditions stipulated may be varied or new ones added of the clearance revoked if necessary on the interest of environment protection	Acknowledged
17	The stipulations will be implemented among others under the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 and the amendments made therein from time to time.	Acknowledged, compliance of all applicable regulatory requirement is being ensured.

Exhibit - 1

SUMMARY EMISSION MONITORING REPORT

Month	Cross Sectional	Stack	Velocity	Flow	Emission	Emission	SO2	NOX
	Area of Stack	Temp.			Conc.			
	m²	°C	m/s	Nm ³ /s	mg/Nm ³	kg/day	mg/Nm3	mg/Nm3
Apr-20	15.3							
May-20	15.3						_	
Jun-20	15.3] P	Plant u	ınde	er shut	down	due t	:O
Jul-20	15.3		CO	VID	-19 Pr	ecauti	on.	
Aug-20	15.3							
Sep-20	15.3			I				

Exhibit - 2

SUMMARY TREATED EFFLUENT MONITORING RESULTS

Month		рН			TSS			BOD		Zn						
					mg/l			mg/l			mg/l					
	Avg.	Vari	ation	Avg.	Variati	on	Avg.	Varia	ation	Avg.	Var	ation				
		Min	Max		Min	Max		Min	Max		Min	Max				
Apr-20	-	-	-	-	-	-	-	-	-	-	-	-				
May-20	7.4	7.1	7.5	41	28	52	11	6	19	0.19	0.13	0.39				
Jun-20	7.1	7.0	7.2	39	32	35	20	16	25	0.26	0.13	0.39				
Jul-20	7.1	7.0	7.3	44	38	50	21	18	25	0.25	0.13	0.39				
Aug-20	7.1	7.0	7.2	40	34	48	19	15	24	0.20	0.13	0.39				
Sep-20	7.2	7.0	7.3	55	44	62	19	16	2316	0.24	0.13	0.39				

• Plane was under shutdown in the month of April 2020 due to COVID-19 precautions.

Exhibit - 3

GLIMPS OF GREEN BELT DEVELOPED



POWER HOUSE GATE



THERMAL POWER PLANT AREA



PLANT OVERVIEW

GREEN BELT

Exhibit-4

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





FORMAT - II A

Ambient air quality data at Nagda for the month of : April 2020

Dire- ction	Fiys Date	SOE	6 10 402 C	82 H	29 80	to No.	14 2 0 8 2	1428	SO2	14 NO2	CS2	429	SOU	NO2	22 050	1125	Soc	-22 MO2	0.7 CS2	H2S	son	72 - NO2	06 (CS2)	128	502	AFIRE NG2	Max CS:	FI29	1802	NO:	US AVO	H2S	.B 6-14	Hra.A.V. 14-22	0.SPM 22-00
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WEST																	١	va	S																
NOSTH																S	to	p	ре	d															
SOUTH:										d	u	e i	to) (CC	V	/IE)-:	19	p	re	C	au	ti	or	ĺ,									

FORMAT - II B

Ambient air quality data at Nagria for the month of : April 2020

Sampling location	Month	- 5	02 mg	ggratty	M3	111	12 mile	ogran	M2 -	- 1	Se me	rogran	0/8/3	1.51	25 maci	10051111	MI	-		SPM	microgra	m.M.s	
	& Year	- 0	-3M	5 D	FERN	1.1	A.M.	6 D	Peak		A.M.	8.0	Posk	- 0	A.M.	80	Phinase,	1	n	A.M.	50	Ponk	GA
EAST Fabrication Shop WEST	Apr 3020																						
Vishio Shawari NORTH	Apr. 3020																						
SOUTH	Apr 2020							Н															
Dary	Apr. 2020									1				11									

A M = Anthroetic mean, S D = Standard Deviation, D M = Geometric mean, prosumber of observation

** Normal for SC2* NC2 & SPM as per NAAQM Standard and Premissible limb for CS2 = 100 µg/m3 and H2S = 150 µg/m3.

Remark: All three Continuous Ambient Air Quality Monitoring station were operational and monitoring data during the month has been transmitted to MPPCB server.

FORMAT - ILA

Ambient air quality data at Nagda for the month of . May-2020 All results expressed as Microgram/M3

Dim	29FW		- : E -	10				14				18			18+	22:			22	92			02	00			410%	Shain.			:24H	t Avg		83	Hrs.Avg.	PM10	8 34	s Avg.	PM24
otton.	Date 1	502	NO2	CS2	1125	3602	NC/2	CSS	1125	SOI	4972	452	H25	502	NO2	137	HZS	302	AU2	CB2	1425	303	1907	USZ	H2S	502	NO2	C52	HZS	501	NO2	CSZ	9125	5.14	14-72	72-06	15-14	14-27	22-0
EAST	07 05 2020	2	ï	NO	ND	2	3	7903	NO	1.	ž	NO	NO	5	.7	NO	:NE	ž.	7	ND	ND	2	2	NO.	NB:	91	3.	(BD)	80%	2.0	1.8	BDL	:BDI	40)	:340	38	23	22	.20
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BDL: Below detectable Limit

Tr.: Tracess

ND: Not Detechédose

FORMAT - II B

Ambient air quality data at Nagda for the month of : May-2020

Sampling location	Month	- 3	OE mio	eginer-	MEST	- NK	72 mm2	ug ar	125
	& Yew	71	AM	80	Peak	_n.	AM	[8.D	Pear
EAST Fatercanne Shop	Was 2025	12	32	1.5	+	10	1.0	12	5
WEST Vishing Shawari	Mey-2020	12	:24	1.2	-5	T.	+10	2.6	(10)
NORTH Labour-Out	May 2/230	12	28	1.8	6	12	10	1.0	6
SOUTH Davy	Nev-2029	12	25	100	14	16	4.6	/1,0	. 57

- 34	56 IT 10	ugram)	743
-11	A/M	8.0	Paul
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H	A:M:	S.0.	Posk	G.N
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1	42	33	166	42
1	37	18	- 40	37
8	44	3.5	48	44

	-PM2 57	recrogn		
#:	P.M.	8.0	Heav.	SM
0	24	21	38	23
7167	21	1.7	-24	21
6	27	10	23	31.
763	24	28	128	24

A.M. Antitymet cream, S.D. Standard Deviation, G.M. Georgetic mean neutrope of state secon.

Note: Nigras for SO2, ND2, PM16 & PM2 5 as per National Ambient Air Quality Standards and Partnessable sont for CS2 = 100 µg/m3 and H35 = 150 µg/m3.

FORMAT - II A

Ambient air quality data at Nagda for the month of : June 2020

All results expressed as ug/m3

Dire	His		6-				10:-				141	10			1/6,5	35			22				071				45 tra				24Hrs						5 M:		
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	25 06 2020	1	.67	×.	3	4	1	2.	3	Ż	1	7	2	4	-a	4	ě.	3	2	14)	2	14	3-	ND	7.	÷.	4.	À	6	3.0	2.8	2.3	27	37	33	36	20	24	72
OUTH)	10.06.2020	5	. 4	8	4	4	(6)	*	2	4	1	2	A	1	A	4	4	14	À	3.	3	5	3	5	16	ě.	6	TP.	ě	4.5	42	3.6	4.2	45	41	43	液	23	25
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FORMAT - II B

Ambient air quality data at Nagda for the month of : June 2020

Sampling location	Month		80	J.g/re			NO	ug/m			CS.	ulpliny			14,5	jigim			BMID	mildro	gram/M	3		PM2.5	microg	ami M3	·
	5.188	1181	A.M.	5.11	FREE	1	3.M	SD	FSBN	10.0	A.M.	3.0	Peak	n.	I A.M	150	Peax	0.1	A.M.	S.D.	Peak)	G.M.	100	A.M.	SD	Peak	G.M
EAST Fabrication Slipp	Jun. 2020	18	5.4	2.1	300	(12	4.8	11.0	16.1	18	4.9	5.5.2	3	.12	-A	1.4	3	9			48		-		1.6		
WEST Vishing Bhawan	Jun. 2020	18	3.4	10	- 5	, A	3.0	1.9	6	18	2.7	12	6	18	21	1.1	3	9	. 39	1,8	:41	39	. 9	:22	1.7	25	22
NORTH	Jun. 2020	12	33	00	18	2	31	27	12	12	24	9.8	4	No.	23	0.8	4	1	25	2.2	40	37	- 6	727	13	24	22
Labour-Clyb SOUTH	Jun. 2020	162	4.8	ж	2	0.2	4.2	7079	A :	112	127	163	微	43	5.3	1/3			44	1.6	46	ùù:	6	26	E)j	28	26

A.M.*Arahmetic mean, S.D. +Standard Deviation, G.M. =Beometric mean renumber of observation

Note: Norms for SO2, NOZ, PM10 & PM2.5 as per National Arribent Air Quality Standards and Permitable limit for US2 = 100 agent and H2S = 150 agent.

FORMAT - II A

Ambient air quality data at Nagda for the month of | July-2020 All results expressed as Microgram/M3

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Ambient air quality data at Nagda for the month of : July-2020

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FORMAT - II A Ambient air quality data at Nagda for the month of . August-2020

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FORMAT - ILE

Ambient all quality state as Nagda for the month of August-2028

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	4 Virgi	17	4.52	-50	Peak	-10	A.M	19.0	Phone	_ n	5.54	94X	Freak	170	M.A.	SD	Fezz.	11	11	A.M.	5.0	Peak	15 M.	- 11	A.M.	SD	Pear	G.M
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— Norma for 502 Note & 504 at per NAACAX Standard and Premiarable and for CS2 = (2) paint and HJR = 150 pages?

FORMAT - II A

Ambient air quality data at Nagda for the month of : September-2020 All results expressed as Microgram/M3

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BOL: Below desectable Limit

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ND: Not Detected life

FORMAT - II B

Ambient air quality data at Nagda for the month of : September-2020

Sampling location	Morm		02 mia	DUCHER	76.63	N	32 стнаг	WITHIT !	1003
	5 Year	T.	A.M	SD	Pens		A.88		
EAST Fabrication Shrip	Digitimble-2020	112	14.1	5.2	22	12	13.5	1.0	20
WEST Vishna Bhawen	September 2020	12	12.4	2.5	16	52	13.3	3.2	19
NORTH Lebour-Club	Sirphoner 2020-	1120	13.5	2.3	12	12	12.77	2.0	18
SOUTH Dairy	Summer 2070	112	17.0	3.2	32	12	37.1	2:3	20

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12	15.5	2.6	15	.6	44 :	7.9	48	4.3
15	113	107	14	1.6	42	2.2	45	42
12	14.6	2.5	10	8	46	1,3	48	96

	PM25	morogr	em/M3	
11	A.M.	S.D.	Peak	G.M.
6	25	2.5	29	25
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6	22	1.4	23 :	22
e	24	1.2	26	24

Note: Natural for SIO2, NIG2, PM10 & PM2 5 as per National Ambient Air Quality Standards and Permissible limit for CS2 = 160 µg/m3 and H2S = 150 µg/m3.

Monitoring the Implementation of Environmental Safeguards Ministry of Environment, Forest & Climate change Regional Office (WZ) Bhopal Monitoring report

DATA SHEET

Sr. No.	Particular	Reply
1.	Project Type: River Valley / Mining / Industry / Thermal/Nuclear/Other (Specify)	Captive Thermal Power Plant
2.	Name of the Project	Grasim Industries Limited, 40 MW Thermal Power Plant, Birlagram, Nagda – 456 331 M.P.
3.	Clearance letter(S) /OM No. and date	OM No. J-13011/18/94-IA/II dated 01.03.1995
4.	Location:	
a	District	Ujjain
b	State	Madhya Pradesh
С	Location / latitude / longitude	Birlagram, Nagda Latitude 23.4483, Longitude 75.4081 (23°26'53.9"N 75°24'29.2"E)
5.	Address for correspondence	Mr K Suresh, (Sr. President & Unit Head)
а	Address of concerned Chief Engineer (With Pin Code & Mob. No./Telephone/Telefax/E-mail)	Grasim Industries Limited 40 MW Thermal Power Plant, Birlagram, Nagda – 456 331 Madhya Pradesh E-Mail - environmentcell@adityabirla.com Telephone - 07366 - 246760
Ь	Address of concerned Project Engineer (With Pin Code & Mob. No./Telephone/Telefax/E-mail)	Mr Minesh Agarwal, (Vice President) 40 MW Thermal Power Plant Staple Fibre Division, Birlagram, Nagda – 456 331 Madhya Pradesh E-Mail - environmentcell@adityabirla.com Telephone - 07366 - 246760
6.	Salient Features	
a	Of the project	The self-Generation of power meet the total requirement of M/s Grasim Industries Limited.
b	Of the Environment Management Plan	 Two Electrostatic Precipitator connected to each Boiler Ash Handling Pant for collection of Fly Ash and Silo for storage of the Fly Ash Lamella Clarifier for separation of fly ash from waste water Full Fledged Common ETP for treatment of Waste Water Mechanical Coal Handling System, Sprinklers System for Dust Suppression Covered Coal Conveyor System

Sr. No.	Particular	Reply
7.	Production details during compliance period and during the previous financial years.	Generation of Power *Apr-20 – Sep-20 – Nil MWh FY 2019-2020 – 20.04 MWh
8.	Breakup of the Project Area	
a	Submerged area: forest & Non Forest	None
b	Others	1.3 Hectare in existing premises
9.	Breakup up of the project affected populations with enumeration of those losing house/dwelling unit only agricultural land & land less labours/artisan	Project is setup in existing premises and no population is affected.
a	SC, ST, Adivasi	
b	Others	
	(Please indicate whether these figures are based on any scientific and systematic survey carried out give details and year of survey)	
10.	Financial Detail	
a	Project Cost as originally revised	75 Crores
	estimates and the year of price reference	
b	Allocation made for environment management plan with item wise and year wise break up	 Electrostatic Precipitator 2 Nos - Rs. 238 Lacs Fly Ash handling system - Rs 45.38 Lacs. Stack 76-Meter Height - Rs.63.13 Lacs Dust Suppression System - Rs. 9.67 Lacs Water Recycling System - Rs. 4.27 Lacs Industry has also installed Continuous Emission Monitoring System (CEMS) at Stacks - Rs. 26.43 Lacs.
С	Benefits cost ratio/internal rate of return and the year assessment (if applicable)	Not Applicable
d	Whether above includes the cost of environment management as shown in the above	Not Applicable
е	Actual expenditure incurred on the project so far	95.86 Crores
f	Actual expenditure incurred in the environment management plan so far	4.98 Crores
11.	Forest Land Requirement	Project is in existing premises.
a	The status of approval for diversion of forest land for non-forestry use	Not Applicable
b	The status of cleaning felling	
С	The status of compensatory afforestation, if any	
d	Comments on the viability & sustainability of compensatory	

Sr. No.	Particular	Reply
	afforestation programme in the light of actual field experience so far.	
12.	The status of clear felling in non-forest areas (Such as submerged area of reservoir, approach roads) if any with quantitative information	Not Applicable
13.	Status of construction	Actual date of commissioning is 04.08.1996
а	Date of commencement (Actual and /or Planned)	
b	Date of completion (actual and /or Planned)	
14.	Reasons for the delay if the project is yet to start	Not Applicable
15.	Details of site visit	NA
a	The dates on which the project was monitored by the MoEF & CC, Regional Office on previous occasions.(If applicable)	
b	Date of site visit for this monitoring report	
16.	Details of correspondence with project authorities for obtaining action plans/information on status of compliance to safeguards other than the routine letters for logistic support for site visit (The first monitoring report may contain the details of the letters issued so far but the later reports may cover only the letters issued subsequently)	Communication Received from Regional Office, Western Region of MoEF & CC vide File No.4-1/1995/(ENV)/146 dated 06.02.2020. Communication had following instruction for industry; 1. Instruction for mentioning Permissible Value in future submission of quarterly Emission & Discharge Monitoring Reports – Industry has incorporated the same in monitoring reports for future submission. 2. Instruction for submission of Data Sheet with Six Monthly Compliance Report – Industry has included the Data sheet in six monthly compliance report. Industry has also communicated the same vide our letter dated 1486A/Env- SFD/MoEF/RO(W)/BPL/40MW dated 18.02.2020.

Remark- Plant was under shutdown during reporting period due to COVID-19 precautions.

Signature of Project in Charge