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GIL-CDR/ENV/2023-24/51

24.04.2023

To,  
The Member Secretary,  
Jharkhand State Pollution Control Board,  
T.A. Bhawan, H.E.C. Complex,  
Ranchi, Jharkhand.

**Sub: Submission of Ash Compliance report for the Captive Powerplant Unit 1 & 2, for the Period 1<sup>st</sup> April 2022 to 31<sup>st</sup> March 2023**

Dear Sir,

In compliance to the flyash notification, we Grasim Industries Limited, Chemical Division, operating a Chlor Alkali Plant at Rehla (Jharkhand), hereby submitting the Ash Compliance report in Annexure-1 for our Captive Powerplants (02 × 30MW) for the period of 1<sup>st</sup> April 2022 to 31<sup>st</sup> March 2023.

Particulars	Generation (MT)	Disposal (MT)	Disposal / Utilization %	Remarks
Fly Ash / Bottom Ash	162272.48	162390.20	100.07%	Opening Stock is 159.86 MT and Closing Stock is 42.14 MT (in Silo at the end of the year)

Mode of Ash Disposal / Utilisation	Quantity (MT)
Cement manufacturing	110275.64
Construction of roads, road and fly over embankment	36334.56
Flyash Based Product	1580.00
Filling up of Lowline area	14200.00
<b>Total</b>	<b>162390.20</b>



Hope the above are in line with the statutory requirements.

Thanking you,

Yours faithfully,  
For Grasim Industries Limited, Chemical Division

(Ashok Kumar Gupta)  
Unit Head – Rehla



Encl.: As above.

CC:

1. The Regional Officer, JSPCB, Tupudana, Ranchi- 834003
2. Addl. Principal Chief Conservator of Forests, Integrated Regional Office, MoEFCC 2nd Floor, Headquarter- Jharkhand State Housing Board, Harmu Chowk, Ranchi, Jharkhand – 834002
3. The Regional Director, CPCB (Eastern Zone), Southern Conclave, Block 502, Rajdanga Main Road, Kolkata- 700107.

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Chemical Division, Rehla  
Garhwa Road, Rehla 822 124  
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CIN L17124MP1947PLC000410  
Email grasim.rehla@adityabirla.com





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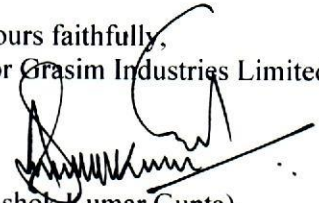
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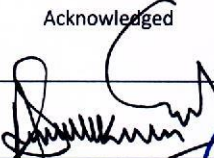
Regd. Office P.O. Birlagram, Nagda 456 331 (M.P.)

## Annexure-01

Sl. N.	Details	Compliance Report
1	Name of Power Plant	Captive Power Plant Unit 1 & Unit 2
2	Name of the company	Grasim Industries Limited, Chemical Division, Rehla
3	District	Palamau
4	State	Jharkahnd
5	Postal address for communication:	Rehla, Garhwa, Palamau-822124
6	E-mail:	grasim.rehla@adityabirla.com
7	Power Plant installed capacity (MW):	60 MW (i.e. 2 × 30 MW)
8	Plant Load Factor (PLF):	80.02
9	No. of units generated (MWh):	420597.16
10	Total area under power plant (ha): (including area under ash ponds)	3.49 ha
11	Quantity of coal consumption during reporting period (Metric Tons per Annum):	407664.60
12	Average ash content in percentage (per cent):	39.78
13	Quantity of current ash generation during reporting period (Metric Tons per Annum):	162272.48
	Fly ash (Metric Tons per Annum):	135649.78
	Bottom ash (Metric Tons per Annum):	26622.70
14	Capacity of dry fly ash storage silo(s) (Metric Tons) :	1465 MT (Flyash- 950 MT) (Bottom Ash- 515 MT)
15	Details of utilisation of current ash generated during reporting period	
(a)	Total quantity of current ash utilised (MTPA) during reporting period:	162390.20
(b)	Quantity of fly ash utilised (MTPA):	135767.50
	(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels)	1580.00
	(ii) Cement manufacturing:	110275.64
	(iii) Ready mix concrete:	0
	(iv) Ash and Geo-polymer based construction material:	0
	(v) Manufacturing of sintered or cold bonded ash aggregate:	0
	(vi) Construction of roads, road and fly over embankment:	23911.86
	(vii) Construction of dams:	0
	(viii) Filling up of low lying area:	0
	(ix) Filling of mine voids:	0
	(x) Use in overburden dumps:	0
	(xi) Agriculture:	0
	(xii) Construction of shoreline protection structures in coastal districts;	0
	(xiii) Export of ash to other countries:	0
	(xiv) Others (please specify):	0
(c)	Quantity of bottom ash utilised (MTPA):	26622.70
	(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	0
	(ii) Cement manufacturing:	0
	(iii) Ready mix concrete:	0
	(iv) Ash and Geo-polymer based construction material:	0
	(v) Manufacturing of sintered or cold bonded ash aggregate:	0
	(vi) Construction of roads, road and flyover embankment:	12422.70
	(vii) Construction of dams:	0
	(viii) Filling up of low lying area:	14200.00
	(ix) Filling of mine voids:	0
	(x) Use in overburden dumps:	0
	(xi) Agriculture:	0
	(xii) Construction of shoreline protection structures in coastal districts:	0
	(xiii) Export of ash to other countries:	0
	(xiv) Others (please specify):	0
	Total quantity of current ash unutilised (MTPA) during reporting period:	42.14



16	<b>Percentage utilisation of current ash generated during reporting period (per cent):</b>	100%
17	<b>Details of disposal of ash in ash ponds</b>	
(a)	Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31st March (excluding reporting period):	NA
(b)	Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):	NA
(c)	Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m3):	NA
(d)	Total number of ash ponds:	NA
	(i) Active:	NA
	(ii) Exhausted (yet to be reclaimed):	NA
	(iii) Reclaimed:	NA
(e)	total area under ash ponds (ha):	NA
18	<b>Individual ash pond details Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)</b>	
(a)	Status: Under construction or Active or Exhausted or Reclaimed	NA
(b)	Date of start of ash disposal in ash pond (DD/MM/YYYY or MMYYYY):	NA
(c)	Date of stoppage of ash disposal in ash pond after completing its capacity (DD/MM/YYYY or MM/YYYY): (Not applicable for active ash ponds)	NA
(c)	area (hectares):	NA
(d)	dyke height (m):	NA
(d)	volume (m3):	NA
(e)	quantity of ash disposed as on 31st March (Metric Tons):	NA
(f)	available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):	NA
(g)	expected life of ash pond (number of years and months):	NA
(e)	co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)	NA
(f)	type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining	NA
g)	mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)	NA
(h)	Ratio of ash: water in slurry mix (1:___):	NA
(i)	Ash water recycling system (AWRS) installed and functioning: Yes or No	NA
(j)	Quantity of wastewater from ash pond discharged into land or water body (m3):	NA
(k)	Last date when the dyke stability study was conducted and name of the organisation who conducted the study:	NA
(l)	Last date when the audit was conducted and name of the organisation who conducted the audit:	NA
19	<b>Quantity of legacy ash utilised (MTPA):</b>	
	i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	NA
	ii. Cement manufacturing:	NA
	iii. Ready mix concrete:	NA
	iv. Ash and Geo-polymer based construction material:	NA
	v. Manufacturing of sintered or cold bonded ash aggregate:	NA
	vi. Construction of roads, road and flyover embankment:	NA
	vii. Construction of dams:	NA
	viii. Filling up of low lying area:	NA
	ix. Filling of mine voids:	NA
	x. Use in overburden dumps:	NA
	xi. Agriculture:	NA
	xii. Construction of shoreline protection structures in coastal districts:	NA
	xiii. Export of ash to other countries:	NA
	xiv. Others (please specify):	NA

20	Summary:			
	Details	Quantity generated (MTP)	Quantity utilised (MTP) and (percent)	Balance quantity (MTP)
	Current ash during reporting period	162272.48	162390.20	42.14
	Legacy ash	0	0	0
	<b>Total</b>	162272.48	162390.20	42.14
21	<b>Any other information:</b> Soft copy of the annual compliance report, and shape files of power plant and ash ponds may be e-mailed to:- moefcccoalash@gov.in	Acknowledged 		
22	Signature of Authorised Signatory	