O/C

ADITYA BIRLA
GRASIM

GIL-CDR/ENV/2024-25/68

30.04.2024

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 1st April 2023 to 31st March 2024

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 1st April 2023 to 31st March 2024.

Particulars	Generation (MT)	Disposal (MT)	Disposal / Utilization %	Remarks
Fly Ash / Bottom Ash	180558.76	180518.2	99.97%	Opening Stock is 42.14 MT and Closing Stock is 82.70 MT (in Silo at the end of the year)

Mode of Ash Disposal / Utilisation	Quantity (MT)
Cement manufacturing	137004.99
Construction of roads, road and fly over embankment	6787.82
Flyash Based Product	4438.98
Filling up of Lowline area	32286.41
Total	**180518.20**

Hope the above are in line with the statutory requirements.

Thanking you,

Yours faithfully,
For Grasim Industries Limited, Chemical Division

(Hitendra Keshav Awasthi)
Unit Head – Grasim Industries Ltd, 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.

Grasim Industries Limited
Chemical Division, Rehla
Garhwa Road, Rehla 822 124
Dist. Palamau, Jharkhand, India

Telephone +91 6584 262211/221/488
+91 9507039424, 9934361360

Website www.grasim.com
CIN L17124MP1947PLC000410
Email grasim.rehla@adityabirla.com

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

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13/06/24

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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):**	89.15
9	**No. of units generated (MWh):**	469590.277
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):**	449411.97
12	**Average ash content in percentage (per cent):**	39.65
13	**Quantity of current ash generation during reporting period (Metric Tons per Annum):**	180558.76
	Fly ash (Metric Tons per Annum):	151257.19
	Bottom ash (Metric Tons per Annum):	29301.57
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:**	180518.20
(b)	**Quantity of fly ash utilised (MTPA):**	151496.32
	(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels)	4050.80
	(ii) Cement manufacturing:	137004.99
	(iii) Ready mix concrete:	0.00
	(iv) Ash and Geo-polymer based construction material:	0.00
	(v) Manufacturing of sintered or cold bonded ash aggregate:	0.00
	(vi) Construction of roads, road and fly over embankment:	3475.14
	(vii) Construction of dams:	0.00
	(viii) Filling up of low lying area:	6965.39
	(ix) Filling of mine voids:	0.00
	(x) Use in overburden dumps:	0.00
	(xi) Agriculture:	0.00
	(xii) Construction of shoreline protection structures in coastal districts;	0.00
	(xiii) Export of ash to other countries:	0.00
	(xiv) Others (please specify):	0.00
(c)	**Quantity of bottom ash utilised (MTPA):**	29021.88
	(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	388.18
	(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:	3312.68
	(vii) Construction of dams:	0
	(viii) Filling up of low lying area:	25321.02
	(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:	82.70

Grasim Industries Ltd. ☆ Palamau (Jharkhand) ☆ Chemical Division, Rehla

16	**Percentage utilisation of current ash generated during reporting period (per cent):**	99.978%
17	**Details of disposal of ash in ash ponds**	
(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	**Individual ash pond details** **Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)**	
(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	**Quantity of legacy ash utilised (MTPA):**	
	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

Grasim Industries Ltd. Palamau (Jharkhand) Chemical Division, Rehla

20	Summary:			
	Details	**Quantity generated (MTP)**	**Quantity utilised (MTP) and (percent)**	**Balance quantity (MTP)**
	Current ash during reporting period	180558.76	180518.20	82.70
	Legacy ash	0	0	0
	Total	180558.76	180518.20	82.70
21	**Any other information:** **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**			

Grasim Industries Ltd.
Palamau
(Jharkhand)
Chemical Division, Rehla