

o/c

ADITYA BIRLA



GRASIM

Date: 29.04.2023

To,

The Environmental officer
Karnataka State Pollution Control Board,
Regional Office
Davangere.

Dear Sir,

Sub: Submission of Fly ash generation and utilization annual report for the Period from 01.04.2022 to 31.03.2023 by Grasim Industries Ltd.

Ref: Annual Ash Compliance report as per paragraph A(7) of the Fly ash Notification S.O 5481E dated 31.12.2021.

Reference to the above subject, please find herewith enclosed annual compliance report on the fly ash generation and utilization by Grasim Industries Limited, Kumarapatnam for the period from 01.04.2022 to 31.03.2023 .

Thanking you,

Yours faithfully
For Grasim Industries Limited
(Unit: Harihar Polyfibers & Grasilene Division)

Subhas Kumar Sharma

Subhas Kumar Sharma
Asst. Vice President (F&C)



Birla Cellulose
Fibres from Nature

Grasim Industries Limited

Units : Harihar Polyfibers & Grasilene Division

Kumarapatnam 581 123, Dist. Haveri, Karnataka.

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W : www.grasim.com | E : grasimharihar@adityabirla.com | CIN : L17124MP1947PLC000410

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

Ash Compliance Report (for the period 1st April-31st March) to be submitted on or before 31st May.

Sl. No.	Details	Reply
1.	Name of Power Plant	Captive Power Plant, Grasilene Division (Unit of Grasim Industries Limited), Kumarapatnam, Ranebennur-Tq, Haveri-Dist. Karnataka- 581123.
2.	Name of the company	Grasilene Division (Unit of Grasim Industries Limited)
3.	District	Haveri
4.	State	Karnataka
5.	Postal address for communication:	Grasim Industries Limited, Kumarapatnam - 581 123, Dist. Haveri, Karnataka.
6.	E-mail:	grasmharihar@adityabirla.com
7.	Power Plant installed capacity (MW):	20
8.	Plant Load Factor (PLF):	72%
9.	No. of units generated (MWh):	1 x 20 MW (for captive use)
10.	Total area under power plant (ha): (including area under ash ponds)	4.287 Ha.
11.	Quantity of coal consumption during reporting period (Metric Tons per Annum):	0.185022 Million Ton (185022 MT)
12.	Average ash content in percentage (per cent):	21.32%
13.	Quantity of current ash generation during reporting period (Metric Tons per Annum): Fly ash (Metric Tons per Annum): Bottom ash (Metric Tons per Annum):	Total Ash : 40090.57 TPA Fly Ash: 34522.24 TPA Bottom Ash: 5568.33 TPA
14.	Capacity of dry fly ash storage silo(s) (Metric Tons) :	400
15.	Details of utilization of current ash generated during reporting period (a) Total quantity of current ash utilized (MTPA) during reporting period: (b) Quantity of fly ash utilised (MTPA): (i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels) (ii) Cement manufacturing:	a. Total Ash : 40090.57 TPA (Fly Ash: 34522.24 + Bottom Ash: 5568.33) b. Quantity of Fly Ash utilized: (i). Fly ash based products (bricks mfg) : 34522.24 TPA (ii) Cement Mfg: Nil

<ul style="list-style-type: none"> (iii) Ready mix concrete: (iv) Ash and Geo-polymer based construction material: (v) Manufacturing of sintered or cold bonded ash aggregate: (vi) Construction of roads, road and fly over embankment: (vii) Construction of dams: (viii) Filling up of low lying area: (ix) Filling of mine voids: (x) Use in overburden dumps: (xi) Agriculture: (xii) Construction of shoreline protection structures in coastal districts; (xiii) Export of ash to other countries: (xiv) Others (please specify): <p>(c) Quantity of bottom ash utilised (MTPA):</p> <ul style="list-style-type: none"> (i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels): (ii) Cement manufacturing: (iii) Ready mix concrete: (iv) Ash and Geo-polymer based construction material: (v) Manufacturing of sintered or cold bonded ash aggregate: (vi) Construction of roads, road and flyover embankment: (vii) Construction of dams: (viii) Filling up of low lying area: (ix) Filling of mine voids: (x) Use in overburden dumps: (xi) Agriculture: (xii) Construction of shoreline protection structures in coastal districts: (xiii) Export of ash to other countries: (xiv) Others (please specify): <p>Total quantity of current ash unutilised (MTPA) during reporting period:</p>	<p>c. Quantity of Bottom Ash utilized:</p> <p>(i). Fly ash based products (bricks mfg) : 5568.33 TPA</p>
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16.	Percentage utilisation of current ash generated during reporting period (per cent):	100 %
17.	<p>Details of disposal of ash in ash ponds</p> <p>(a) Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31st March (excluding reporting period):</p> <p>(b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):</p> <p>(c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m³):</p> <p>(d) Total number of ash ponds:</p> <p style="padding-left: 20px;">(i) Active:</p> <p style="padding-left: 20px;">(ii) Exhausted (yet to be reclaimed):</p> <p style="padding-left: 20px;">(iii) Reclaimed:</p> <p>(e) total area under ash ponds (ha):</p>	<p>Nil</p> <p>Unit has not installed provision of ash pond, No ash pond is being used by unit.</p>
18.	<p>Individual ash pond details</p> <p><i>Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)</i></p> <p>(a) Status: Under construction or Active or Exhausted or Reclaimed</p> <p>(b) Date of start of ash disposal in ash pond (DD/MM/YYYY or MMYYYY):</p> <p>(c) Date of stoppage of ash disposal in ash pond after completing its capacity (DD/MM/YYYY or MM/YYYY):</p> <p>(Not applicable for active ash ponds)</p> <p>(d) area (hectares):</p> <p>(e) dyke height (m):</p> <p>(f) volume (m³):</p> <p>(g) quantity of ash disposed as on 31st March (Metric Tons):</p> <p>(h) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):</p> <p>(i) expected life of ash pond (number of years and months):</p> <p>(j) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)</p> <p>(k) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining</p>	<p>Nil</p> <p>Unit has not installed provision of ash pond, No ash pond is being used by unit.</p>

	<p>(l) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)</p> <p>(m) Ratio of ash: water in slurry mix (1:___):</p> <p>(n) Ash water recycling system (AWRS) installed and functioning: Yes or No</p> <p>(o) Quantity of wastewater from ash pond discharged into land or water body (m³):</p> <p>(p) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:</p> <p>(q) Last date when the audit was conducted and name of the organisation who conducted the audit:</p>	
19.	<p>Quantity of legacy ash utilised (MTPA):</p> <ol style="list-style-type: none"> i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels): ii. Cement manufacturing: iii. Ready mix concrete: iv. Ash and Geo-polymer based construction material: v. Manufacturing of sintered or cold bonded ash aggregate: vi. Construction of roads, road and flyover embankment: vii. Construction of dams: viii. Filling up of low lying area: ix. Filling of mine voids: x. Use in overburden dumps: xi. Agriculture: xii. Construction of shoreline protection structures in coastal districts; xiii. Export of ash to other countries: xiv. Others (please specify): 	Nil

20.	Summary:			
	Details	Quantity generated (MTP)	Quantity utilised (MTP) and (per cent)	Balance quantity (MTP)
	Current ash during reporting period	40090.57 (Fly Ash + Bottom Ash)	40090.57 (Fly Ash + Bottom Ash)	Nil
	Legacy ash	Nil	Nil	Nil
	Total	40090.57	40090.57	Nil
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		Annual compliance report copy is shared on dated: 28.04.2023. Copy of mail communication is attached as Annexure -1.	
22.	Signature of Authorized Signatory		Sukhan Kumar Sharma	