

**Ash Compliance Report (for the period 1<sup>st</sup> April, 2023 to 31<sup>st</sup> March,2024) to be submitted on or before 31<sup>st</sup> May.**

<b>Sl. No.</b>	<b>Details</b>	<b>Reply</b>
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:	grasimharihar@adityabirla.com
7.	Power Plant installed capacity (MW):	20
8.	Plant Load Factor (PLF):	65.34 %
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):	0.186044 Million Ton (186044 MT)
12.	Average ash content in percentage (per cent):	27.94 % (As Such) 32.07 % (with moisture)
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 : <b>60196.51 MTPA</b> Fly Ash: <b>49187.37 MTPA</b> Bottom Ash: <b>11009.14 MTPA</b>
14.	Capacity of dry fly ash storage silo(s) (Metric Tons) :	400 MT
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: (iii) Ready mix concrete: (iv) Ash and Geo-polymer based construction material: (v) Manufacturing of sintered or cold bonded ash aggregate:	a. Total Ash : <b>60196.51 MTPA</b> (Fly Ash: 49187.37 + Bottom Ash: 11009.14) b. Quantity of Fly Ash utilized: (i). Fly ash based products (Cement bricks/blocks) : <b>49187.37 MTPA</b> (ii). Cement Mfg: Nil

	<ul style="list-style-type: none"> <li>(vi) Construction of roads, road and fly over embankment:</li> <li>(vii) Construction of dams:</li> <li>(viii) Filling up of low lying area:</li> <li>(ix) Filling of mine voids:</li> <li>(x) Use in overburden dumps:</li> <li>(xi) Agriculture:</li> <li>(xii) Construction of shoreline protection structures in coastal districts;</li> <li>(xiii) Export of ash to other countries:</li> <li>(xiv) Others (please specify):</li> </ul> <p>(c) Quantity of bottom ash utilized (MTPA):</p> <ul style="list-style-type: none"> <li>(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</li> <li>(ii) Cement manufacturing:</li> <li>(iii) Ready mix concrete:</li> <li>(iv) Ash and Geo-polymer based construction material:</li> <li>(v) Manufacturing of sintered or cold bonded ash aggregate:</li> <li>(vi) Construction of roads, road and flyover embankment:</li> <li>(vii) Construction of dams:</li> <li>(viii) Filling up of low lying area:</li> <li>(ix) Filling of mine voids:</li> <li>(x) Use in overburden dumps:</li> <li>(xi) Agriculture:</li> <li>(xii) Construction of shoreline protection structures in coastal districts:</li> <li>(xiii) Export of ash to other countries:</li> <li>(xiv) Others (please specify):</li> </ul> <p>Total quantity of current ash unutilized (MTPA) during reporting period:</p>	<p>c. Quantity of Bottom Ash utilized: 11009.14 MTPA</p> <p>(i). Fly ash based products (cement bricks or blocks) : <b>11009.14 MTPA</b></p>
16.	Percentage utilization 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 31<sup>st</sup> March (excluding reporting period):</p> <p>(b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):</p>	<p>Nil</p> <p>Unit has not installed provision of ash pond, No ash pond is being used by unit.</p>

	<p>(c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m<sup>3</sup>):</p> <p>(d) Total number of ash ponds:</p> <p>(i) Active:</p> <p>(ii) Exhausted (yet to be reclaimed):</p> <p>(iii) Reclaimed:</p> <p>(e). total area under ash ponds (ha):</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 (m<sup>3</sup>):</p> <p>(g) quantity of ash disposed as on 31<sup>st</sup> 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):</p> <p>(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>(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 (m<sup>3</sup>):</p>	<p>Nil</p> <p>Unit has not installed provision of ash pond, No ash pond is being used by unit.</p>

	<p>(p) Last date when the dyke stability study was conducted and name of the organization who conducted the study:</p> <p>(q) Last date when the audit was conducted and name of the organization who conducted the audit:</p>																		
19.	<p>Quantity of legacy ash utilised (MTPA):</p> <ul style="list-style-type: none"> <li>i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</li> <li>ii. Cement manufacturing:</li> <li>iii. Ready mix concrete:</li> <li>iv. Ash and Geo-polymer based construction material:</li> <li>v. Manufacturing of sintered or cold bonded ash aggregate:</li> <li>vi. Construction of roads, road and flyover embankment:</li> <li>vii. Construction of dams:</li> <li>viii. Filling up of low lying area:</li> <li>ix. Filling of mine voids:</li> <li>x. Use in overburden dumps:</li> <li>xi. Agriculture:</li> <li>xii. Construction of shoreline protection structures in coastal districts;</li> <li>xiii. Export of ash to other countries:</li> <li>xiv. Others (please specify):</li> </ul>	Nil																	
20.	<p><b>Summary:</b></p> <table border="1"> <thead> <tr> <th>Details</th><th>Quantity generated (MTP)</th><th>Quantity utilized (MTP) and (per cent)</th><th>Balance quantity (MTP)</th></tr> </thead> <tbody> <tr> <td>Current ash during reporting period</td><td>60196.51 (Fly Ash + Bottom Ash)</td><td>60196.51 (Fly Ash + Bottom Ash) 100%</td><td>Nil</td></tr> <tr> <td>Legacy ash</td><td>Nil</td><td>Nil</td><td>Nil</td></tr> <tr> <td>Total</td><td>60196.51</td><td>60196.51 (100%)</td><td>Nil</td></tr> </tbody> </table>			Details	Quantity generated (MTP)	Quantity utilized (MTP) and (per cent)	Balance quantity (MTP)	Current ash during reporting period	60196.51 (Fly Ash + Bottom Ash)	60196.51 (Fly Ash + Bottom Ash) 100%	Nil	Legacy ash	Nil	Nil	Nil	Total	60196.51	60196.51 (100%)	Nil
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21.	<p>Any other information:</p> <p>Soft copy of the annual compliance report, and shape files of power plant and ash ponds may be e-mailed to:- moefcccoalash@gov.in</p>	<p>Annual compliance report copy is shared on dated:29.04.2024. Copy of mail communication is attached as Annexure -1.</p>																	
22.	Signature of Authorized Signatory																		

