

ADITYA BIRLA



April 13, 2023

Ref: 1870/Env-SFD/PCB/BPL/Fly Ash

To,

**The Member Secretary,
M.P. Pollution Control Board,
Paryavaran Parisar, E-5 Arera Colony, Bhopal - 462016**

Respected Sir,

Sub: Annual Fly Ash report as per Fly Ash Notification SO 5481(E) dated 31.12.2021.

Ref: 1. Your letter no.1157/TAK/TPP/PCB/2022 Dated 25.01.2022
2. Your letter no.1158/TAK/TPP/PCB/2022 Dated 25.01.2022

Respected Sir,

We are submitting herewith Annual Fly Ash Compliance report of 30 MW, 25 MW & 40 MW Captive Power Plant for the period of 01.04.2022 to 31.03.2023 in the prescribed proforma for your kind perusal.

Thanking You

Yours Faithfully
**For Grasim Industries Limited,
(Staple Fibre Division)**

**Rakesh Patnaik
General Manager**

CC: Regional Officer, M.P. Pollution Control Board, Ujjain, Pin – 456 010

Grasim Industries Limited

Staple Fibre Division

Birlagram - 456 331, Nagda (M.P.) INDIA Tele: +91 7366 246760-64 Fax: +91 7366 246024, 244114
CIN : L17124MP1947PLC000410 Website : www.adityabirla.com E-mail : grasim-sfd.nagda@adityabirla.com
Regd. Office : P.O. Birlagram, Nagda - 456 331 (M.P.)

Ash Compliance Report (for the period 1st April 2022-31st March 2023)


Sl.No.	Details	
1	Name of Power Plant	30 MW Captive Power Plant
2	Name of the company	Grasim Industries Limited
3	District	Ujjain
4	State	Madhya Pradesh
5	Postal address for communication:	P.O. Birlagram Nagda 456 331
6	E-mail:	rakesh.patnaik@adityabirla.com
7	Power Plant installed capacity (MW):	30 MW
8	Plant Load Factor (PLF):	0.844 MW
9	No. of units generated (MWh):	25.32 MW
10	Total area under power plant (ha): (including area under ash ponds)	1.2004 ha
11	Quantity of coal consumption during reporting period (Metric Tons per Annum):	172062 MT
12	Average ash content in percentage (per cent):	12.1 %
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):	18254 MT 2542 MT
14	Capacity of dry fly ash storage silo(s) (Metric Tons) :	176 MT
15	Details of utilisation of current ash generated during reporting period (a) Total quantity of current ash utilised (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: (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 (For sport tracking filling):	20796 MT 10595 MT 7614 Nil Nil Nil Nil Nil Nil Nil Nil Nil Nil Nil Nil Nil Nil Nil Nil 45





Ash Compliance Report (for the period 1st April 2022-31st March2023)

	<p>(c) Quantity of bottom ash utilised (MTPA):</p> <p>(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</p> <p>(ii) Cement manufacturing:</p> <p>(iii) Ready mix concrete:</p> <p>(iv) Ash and Geo-polymer based construction material:</p> <p>(v) Manufacturing of sintered or cold bonded ash aggregate:</p> <p>(vi) Construction of roads, road and flyover embankment:</p> <p>(vii) Construction of dams:</p> <p>(viii) Filling up of low lying area:</p> <p>(ix) Filling of mine voids:</p> <p>(x) Use in overburden dumps:</p> <p>(xi) Agriculture:</p> <p>(xii) Construction of shoreline protection structures in coastal districts:</p> <p>(xiii) Export of ash to other countries:</p> <p>(xiv) Others (please specify):</p> <p>Total quantity of current ash unutilised (MTPA) during reporting period</p>	<p>2542 MT</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p>
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>(i) Active:</p> <p>(ii) Exhausted (yet to be reclaimed):</p> <p>(iii) Reclaimed:</p> <p>(e) total area under ash ponds (ha):</p>	NA
18	<p>Individual ash pond details</p> <p>Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)</p> <p>(a) Status: Under construction or Active or Exhausted or</p>	NA

Ash Compliance Report (for the period 1st April 2022-31st March 2023)

	<p>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): (Not applicable for active ash ponds)</p> <p>(c) area (hectares):</p> <p>(d) dyke height (m):</p> <p>(d) volume (m³):</p> <p>(e) quantity of ash disposed as on 31st March (Metric Tons):</p> <p>(f) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):</p> <p>(g) expected life of ash pond (number of years and months):</p> <p>(e) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)</p> <p>(f) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining</p> <p>g) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)</p> <p>(h) Ratio of ash: water in slurry mix (1:___):</p> <p>(i) Ash water recycling system (AWRS) installed and functioning: Yes or No</p> <p>(j) Quantity of wastewater from ash pond discharged into land or water body (m³):</p> <p>(k) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:</p> <p>(l) 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> <p>i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</p> <p>ii. Cement manufacturing:</p> <p>iii. Ready mix concrete:</p> <p>iv. Ash and Geo-polymer based construction material:</p>	<p>Nil</p> 

Ash Compliance Report (for the period 1st April 2022-31st March 2023)

	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):		
20	Summary		
	Details	Quantity generated (MTP)	Quantity utilised (MTP) and (per cent)
	Current ash during reporting period	20796	20796
	Legacy ash	-	-
	Total	20796	20796
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	-	
22	Signature of Authorised Signatory		

- Fly Ash total quantity (As Such) includes Fly ash & Bottom ash .



Ash Compliance Report (for the period 1st April 2022-31st March 2023)

	<p>(c) Quantity of bottom ash utilised (MTPA):</p> <p>(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</p> <p>(ii) Cement manufacturing:</p> <p>(iii) Ready mix concrete:</p> <p>(iv) Ash and Geo-polymer based construction material:</p> <p>(v) Manufacturing of sintered or cold bonded ash aggregate:</p> <p>(vi) Construction of roads, road and flyover embankment:</p> <p>(vii) Construction of dams:</p> <p>(viii) Filling up of low lying area:</p> <p>(ix) Filling of mine voids:</p> <p>(x) Use in overburden dumps:</p> <p>(xi) Agriculture:</p> <p>(xii) Construction of shoreline protection structures in coastal districts:</p> <p>(xiii) Export of ash to other countries:</p> <p>(xiv) Others (please specify):</p> <p>Total quantity of current ash unutilised (MTPA) during reporting period</p>	<p>2158 MT</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p> <p>Nil</p>
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>(i) Active:</p> <p>(ii) Exhausted (yet to be reclaimed):</p> <p>(iii) Reclaimed:</p> <p>(e) total area under ash ponds (ha):</p>	NA
18	<p>Individual ash pond details</p> <p>Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)</p> <p>(a) Status: Under construction or Active or Exhausted or</p>	NA




Ash Compliance Report (for the period 1st April 2022-31st March 2023)

	<p>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): (Not applicable for active ash ponds)</p> <p>(c) area (hectares):</p> <p>(d) dyke height (m):</p> <p>(d) volume (m³):</p> <p>(e) quantity of ash disposed as on 31st March (Metric Tons):</p> <p>(f) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):</p> <p>(g) expected life of ash pond (number of years and months):</p> <p>(e) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)</p> <p>(f) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining</p> <p>g) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)</p> <p>(h) Ratio of ash: water in slurry mix (1: ___):</p> <p>(i) Ash water recycling system (AWRS) installed and functioning: Yes or No</p> <p>(j) Quantity of wastewater from ash pond discharged into land or water body (m³):</p> <p>(k) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:</p> <p>(l) 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> <p>i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</p> <p>ii. Cement manufacturing:</p> <p>iii. Ready mix concrete:</p> <p>iv. Ash and Geo-polymer based construction material:</p>	Nil




Ash Compliance Report (for the period 1st April 2022-31st March2023)

	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):			
20	Summary			
	Details	Quantity generated (MTP)	Quantity utilised (MTP) and (per cent)	Balance quantity (MTP)
	Current ash during reporting period	20882	20882	Nil
	Legacy ash	-	-	-
	Total	20882	20882	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:- moefccoalash@gov.in			-
22	Signature of Authorised Signatory			


- During reporting period Power Generation was low, however because of steam generation there was coal consumption & fly ash generation.
- Fly Ash total quantity (As Such) includes Fly ash & Bottom ash.



Ash Compliance Report (for the period 1st April 2022-31st March 2023)

	<p>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): (Not applicable for active ash ponds)</p> <p>(c) area (hectares):</p> <p>(d) dyke height (m):</p> <p>(d) volume (m³):</p> <p>(e) quantity of ash disposed as on 31st March (Metric Tons):</p> <p>(f) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):</p> <p>(g) expected life of ash pond (number of years and months):</p> <p>(e) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)</p> <p>(f) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining</p> <p>g) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)</p> <p>(h) Ratio of ash: water in slurry mix (1:___):</p> <p>(i) Ash water recycling system (AWRS) installed and functioning: Yes or No</p> <p>(j) Quantity of wastewater from ash pond discharged into land or water body (m³):</p> <p>(k) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:</p> <p>(l) 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> <p>i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</p> <p>ii. Cement manufacturing:</p> <p>iii. Ready mix concrete:</p> <p>iv. Ash and Geo-polymer based construction material:</p>	<p>Nil</p> <div style="text-align: right;">  </div>

Ash Compliance Report (for the period 1st April 2022-31st March2023)

	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):			
20	Summary			
	Details	Quantity generated (MTP)	Quantity utilised (MTP) and (per cent)	Balance quantity (MTP)
	Current ash during reporting period	28126	28126	Nil
	Legacy ash	-	-	-
	Total	28126	28126	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			-
22	Signature of Authorised Signatory			

- During reporting period Power Generation was low, however because of steam generation there was coal consumption & fly ash generation.
- Fly Ash total quantity (As Such) includes Fly ash & Bottom ash.