



GIL/ENV/2023-24/08

Date: - 20 April 2023

To  
The Regional officer  
UP Pollution Control Board  
H.N. 162, Uttar Mohal, Near Chandi Hotel  
Robertsganj-231216  
Sonebhadra (U.P.)

Sub: - Fly Ash Generation and utilization Report for FY 2022-23

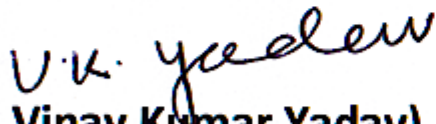
Dear Sir,

Please find enclosed Fly Ash Compliance Report (for the period 1<sup>st</sup> April – 31<sup>st</sup> March) for FY 2022-23 as per prescribed format under Fly Ash notification -2021 as Annexure.

This report is submitted to the all concerned regulatory agencies via E-mail on date 20/04/2023.

Thanking You

Yours faithfully  
for Grasim Industries Ltd.

  
(Dr. Vinay Kumar Yadav)  
Head- Environment & Sustainability

Encl: - As above

Cc: Integrated Regional Office MoEF&CC, Kendriya Bhawan, 5th Floor, Sector "H" Aliganj, Lucknow - 226020

The Regional Director (CPCB) Uttar Pradesh Pollution Control Board TC-12/V, Vibhuti Khand, Gomati Nagar, Lucknow-226 010.

The Member Secretary CPCB Parivesh Bhavan, East Arjun nagar New Delhi-110032

The Member Secretary UPPCB Lucknow, TC-12/V, Vibhuti Khand, Gomati Nagar, Lucknow-226 010.

**Grasim Industries Limited**  
Chemical Division Renukoot  
P.O.:Renukoot - 231 217,  
Distt.:Sonebhadra (U.P.) India

**Telephone** +91- 5446 - 252044/55/75  
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**E-mail** grasim.renukoot@adityabirla.com  
**CIN** L17124MP1947PLC000410  
**PAN** AAACG4464B



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

Sl. No.	Details	
1	Name of Power Plant	Captive Power Plant (Grasim Industries Ltd. Renukoot)
2	Name of the company	Grasim Industries Limited Power Division Renukoot
3	District	Sonebhadra
4	State	Uttar Pradesh
5	Postal address for communication:	Grasim Industries Limited Power Division Renukoot P.O. Renukoot, District-Sonebhadra(U.P.), Sonbhadra, Pin Code: 231217,
6	E-mail:	vinay.y@adityabirla.com, gil-rnq.uhoffice@adityabirla.com
7	Power Plant installed capacity (MW):	50 MW (2 Unit of 25 MW)
8	Plant Load Factor (PLF):	67.00%
9	No. of units generated (MWh):	293463.615
10	Total area under power plant (ha): (including area under ash ponds)	8.35
11	Quantity of coal consumption during reporting period (Metric Tons per Annum):	284338
12	Average ash content in percentage (per cent):	41.94%
13	Quantity of current ash generation during reporting period (Metric Tons per Annum):	119248
	Fly ash (Metric Tons per Annum):	95662
	Bottom ash (Metric Tons per Annum):	23587
14	Capacity of dry fly ash storage silo(s) (Metric Tons) :	500
15	Details of utilisation of current ash generated during reporting period	
(a)	<b>Total quantity of current ash utilised (MTPA) during reporting period:</b>	<b>119248</b>
(b)	<b>Quantity of fly ash utilised (MTPA):</b>	<b>95662</b>
(i)	Fly ash-based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	1461 (Bricks and Paver Tiles)
(ii)	Cement manufacturing:	94201
(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):	NA
(c)	<b>Quantity of bottom ash utilised (MTPA):</b>	<b>23587</b>
(i)	Fly ash-based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):	869 (Bricks)
(ii)	Cement manufacturing:	6565
(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:	15085
(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:	
(xiii)	Export of ash to other countries:	
(xiv)	Others (please specify):	1068 (construction project in premises)
	<b>Total quantity of current ash unutilised (MTPA) during reporting period:</b>	
16	Percentage utilisation of current ash generated during reporting period (per cent):	100%
17	Details of disposal of ash in ash ponds	We do not have any ash pond
(a)	Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31st March (excluding reporting period):	
(b)	Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):	
(c)	Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m3):	
(d)	Total number of ash ponds:	
(i)	Active:	
(ii)	Exhausted (yet to be reclaimed):	
(iii)	Reclaimed:	
(e)	total area under ash ponds (ha):	
18	Individual ash pond details <i>Ash pond-1,2, etc. (please provide below mentioned details separately, if number of ash ponds is more than one)</i>	We do not have any ash pond
(a)	Status: Under construction or Active or Exhausted or Reclaimed	
(b)	Date of start of ash disposal in ash pond (DD/MM/YYYY or MMYYYY):	




(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) (c) area (hectares):	
(d)	dyke height (m):	
(e)	volume (m <sup>3</sup> ):	
(f)	available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons): quantity of ash disposed as on 31st March (Metric Tons):	
(g)	expected life of ash pond (number of years and months):	
(h)	co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)	
(i)	type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining	
(j)	mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)	
(k)	Ratio of ash: water in slurry mix (1: ):	
(l)	Ash water recycling system (AWRS) installed and functioning: Yes, or No	
(m)	Quantity of wastewater from ash pond discharged into land or water body (m <sup>3</sup> ):	
(n)	Last date when the dyke stability study was conducted and name of the organisation who conducted the study:	
(o)	Last date when the audit was conducted and name of the organization who conducted the audit:	
19	Quantity of legacy ash utilised (MTPA):	NA
(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:	
(xiii)	Export of ash to other countries:	
(xiv)	Others (please specify):	



20	Summary:			
	Details	Quantity generated (MTPA)	Quantity utilised (MTPA) and (per cent)	Balance quantity (MTPA)
	Current ash during reporting period	119248	119248 (100 %)	0
	Legacy ash	NA	NA	NA
	Total	119248	119248	0
21	Any other information:			

22 Signature of Authorised Signatory



*V.K. Yadav*  
 Vinay Kumar Yadav  
 AGM – Environment & Sustainability