



Department of Civil Engineering
Indian Institute of Technology (BHU), VARANASI – 221 005

Ref.: IIT (BHU)/CE/2023-24/2773
Date.....

Dated: 28/11/2023

AUDIT COMPLETION CERTIFICATE

This is to certify that the audit for the ash disposal by the coal and lignite based thermal power plant of M/s Grasim Industries Limited -Unit: Century Rayon, Murbad Road, Shahad, Dist - Thane, Maharashtra-421103 was carried out by the undersigned on 25-11-2023 in accordance with the Ash Utilization Notification No. 5481(E) dated 31.12.2021 (Notified vide OM No. IPC-II/TPP/CP-11/76/2022/1252, Dated: 06-03-2023).

The compliance report will be submitted directly to Central Pollution Control Board, New Delhi.

With regards,

Supriya Mohanty
(Dr. Supriya Mohanty) 28/11/2023

Assistant Professor

Department of Civil Engineering

Indian Institute of Technology (BHU),

Varanasi-221005, U.P., India

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सहायक प्राध्यापक/ASSISTANT PROFESSOR
जानपद अभियांत्रिकी विभाग
Department of Civil Engineering
भारतीय प्रौद्योगिकी संस्थान (बी.एच.यू.)
Indian Institute of Technology (B.H.U.)
वाराणसी-221005/Varanasi-221005

O/C

ADITYA BIRLA



Date: 24.05.2024

Ref : CR/EHS/Fly Ash/ MoEF/ 13 /2024

To,
Sub Regional Office (K-II)
Maharashtra Pollution Control Board,
Sidhivinayak sankul, 3rd Floor, Near Oak Boat
Station Road, Kalyan (W)



Sub: Submission of 'Fly Ash Statutory Compliance Report for the Period - 1st April'2023 to 31st March'2024.

Dear Sir,

With reference to the above said subject and fly ash notification, we are submitting herewith fly ash annual statutory compliance report for the period 1st April'2023 to 31st March'2024 for our Grasim Industries Limited (Unit – Century Rayon).

Thanking you,

Yours faithfully,
For Grasim Industries Limited, Unit – Century Rayon

(PRAKASH S. BHAT)
(General Manager –EHS)



Grasim Industries Limited
(VFY – Fashion Yarn Business)
Unit : Century Rayon, Murbad Road, Shahad - 421103, Dist. Thane, Maharashtra, INDIA.
T: +91 251 2733670 (10 Lines) | F: +91 251 2730064
E: century.rayon@adityabirla.com | W: www.raysil.co.in / www.grasim.com
Registered Office: Birlagram, Nagda - 456 331 (M.P.) | Corporate ID No.: L17124MP1947PLC000410

GRASIM INDUSTRIES LIMITED
(UNIT - CENTURY RAYON)

Fly Ash MoEF Notifications 14th Sept - 1999, 2-rt' Aug - 2003, 3rd Nov - 2009, 25th January -2016,
31st December-2021 & 30th Decembor-2022
Statutory Compliance Report for the Period 01.04.2023 to 31.03.2024

Sr.No.		Details	
1.	Name of Power Plant	Grasim Industries Limited (Unit-Century Rayon)	
2.	Name of the company	Grasim Industries Limited (Unit - Century Rayon)	
3.	District	Thane	
4.	State	Maharashtra	
5.	Postal address for communication:	Grasim Industries Limited -Unit: Century Rayon, Murbad Road, Shahad, Dist - Thane, Maharashtra-421103	
6.	E-mail:	pakash.s.bhat@adityabirla.com	
7.	Power Plant installed capacity (MW):	10.5 MW (Available Capacity 6.66 MW)	
8.	Plant Load Factor (PLF):	76.5%	
9.	No. of units generated (MWh):	44648.842 MWh	
10.	Total area under power plant (ha):(including area under ash ponds)	Total area under power plant: 1.57 ha (15,582.38 (Sq.M)	
11.	Quantity of coal consumption during reporting period (Metric Tons per Annum):	82104 MT	
12.	Average ash content in percentage (percent):	14.95. %	
13.	Quantity of current ash generation during reporting period (Metric Tons per Annum):	12956.09 MT	
	Fly ash (Metric Tons per Annum):	10573.48 MT	
	Bottom ash (Metric Tons per Annum):	2382.61 MT	
14.	Capacity of dry fly ash storage silo(s) (Metric Tons) :	100 X 2.= 200 MT	
15.	Details of utilization of current ash generated during reporting period.		
(a)	Total quantity of current ash utilized (MTPA) during reporting period:	12370.41 MT	
(b)	Quantity of fly ash utilized {MTPA}:		
(i)	Fly ash based products (bricks or blocks or tile or fiber cement sheets or pipes or boards or panels)	9987.80 MT	
(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 embankment: of roads, road and flyover	-	
(vii)	Construction of dams:	-	
(viii)	Filling up of low lying area:	-	
(ix)	Filling of mine voids:	-	

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(UNIT - CENTURY RAYON)

(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):	-
(c)	Quantity of bottom ash utilized (MTPA):	
(i)	Fly ash based products (bricks or blocks or tiles or fiber cement sheets or pipes or boards or panels)	2382.61 MT
(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 darns:	-
(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):	-
Total quantity of current ash unutilized (MTPA) during reporting period:		585.68 MT
16.	Percentage utilization of current ash generated during reporting period (percent):	95 %
17.	Details of disposal of ash in ash ponds	
(a)	Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31 st March (excluding reporting period):	Nil
(b)	Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):	585.68 MT
(c)	Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m ³):	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

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(UNIT – CENTURY RAYON)

18.	Individual ash pond details (Individual ash pond details)	
(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 MM/YYYY):	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
(d)	area (hectares):	NA
(e)	dyke height (m):	NA
(f)	volume (m ³):	NA
(h)	quantity of ash disposed as on 31 st March (Metric Tons):	NA
(i)	available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):	NA
(i)	expected life of ash pond (number of years and months):	NA
(k)	co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)	NA
(l)	type of lining carried in ash pond: HOPE lining or LOPE lining or clay lining or No lining	NA
(m)	Mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)	NA
(n)	Ratio of ash: water in slurry mix (1:):	NA
(o)	Ash water recycling system (AWRS) installed and functioning: Yes or No	NA
(p)	Quantity of wastewater from ash pond discharged into land or water body (m3):	NA
(q)	Last date when the dyke stability study was conducted and name of the organization who conducted the study:	NA
(r)	Last date when the audit was conducted and name of the organization who conducted the audit:	NA
19.	Quantity of legacy ash utilized (MTPA):	Nil
		--
(i)	Fly ash based products (bricks or blocks or tiles or fiber cement sheets or pipes or boards or panels)	-
(ii)	Cement manufacturing:	-
(iii)	Ready mix concrete:	-
(iv)	Ash and Geo-polymer based construction	-

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(UNIT - CENTURY RAYON)

	material.			
(v)	Manufacturing of sintered or cold bonded ash aggregate.		-	
(vi)	Construction of roads, road embankment	and flyover	-	
(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 structures in coastal districts;	protection	-	
(xiii)	Export of ash to other countries:		--	
(xiv)	Others (please specify):		-	
20.	Summary:			
	Details	Quantity generated (MTP)	Quantity utilized (MTP) and (per cent)	Balance quantity (MTP)
	Current ash during reporting period	12956.09	12370.41. (95 %)	585.68
	Legacy ash	NA	NA	NA
	Total	12956.09	12370.41. (95 %)	585.68
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:- moefcc-coalash@gov.in			
22.	Signature of Authorized Signatory :		PRAKASH S. BHAT General Manager - EHS	
Environment, Safety & Sustainability				