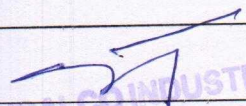


Ash Compliance Report (for the period 1st April 2024 to 31st March 2025)

Sl. No.	Details	
1.	Name of Power Plant	Mahan Aluminium-Captive power plant
2.	Name of the company	Hindalco Industries limited,
3.	District	Singrauli
4.	State	Madhya Pradesh
5.	Postal address for communication:	Hindalco Industries Ltd, Mahan Aluminium, NH-75-E Singrauli-Sidhi Road, P.O. Bargawan 486 886, District: Singrauli, Madhya Pradesh, India
6.	E-mail:	hindalco@adityabirla.com manoj.tiwari@adityabirla.com
7.	Power Plant installed capacity (MW):	900 MW
8.	Plant Load Factor (PLF):	70.96 %
9.	No. of units generated (MWh):	55,94,442 MWh (Gross)
10.	Total area under power plant (ha): (including area under ash ponds)	454 ha
11.	Quantity of coal consumption during reporting period (Metric Tons per Annum):	35,08,462 MT
12.	Average ash content in percentage (per cent):	32.10
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):	10,13,314 MT 1,12,590 MT
14.	Capacity of dry fly ash storage silo(s) (Metric Tons) :	2000 MT X 3
15.	Details of utilisation of current ash generated during reporting period	
	(a) Total quantity of current ash utilised (MTPA) during reporting period:	12,15,153 MT
	(b) Quantity of fly ash utilised (MTPA):	10,11,754 MT
	(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels)	5,063.18 MT
	(ii) Cement manufacturing:	10,03,658.6 MT
	(iii) Ready mix concrete:	Nil
	(iv) Ash and Geo-polymer based construction material:	Nil
	(v) Manufacturing of sintered or cold bonded ash aggregate:	Nil
	(vi) Construction of roads, road and fly over embankment:	3,032.57 MT
	(vii) Construction of dams:	Nil
	(viii) Filling up of low lying area:	Nil
	(ix) Filling of mine voids:	Nil
	(x) Use in overburden dumps:	Nil
	(xi) Agriculture:	Nil
	(xii) Construction of shoreline protection structures in coastal districts;	Nil
	(xiii) Export of ash to other countries:	Nil
	(xiv) Others (please specify): Construction Activity	Nil
	(c) Quantity of bottom ash utilised (MTPA):	2,03,400 MT

	(i) Fly ash-based products (bricks or blocks or tiles or fiber cement sheets or pipes or boards or panels):	4,412 MT	
	(ii) Cement manufacturing:	86,899.9 MT	
	(iii) Ready mix concrete:	Nil	
	(iv) Ash and Geo-polymer-based construction material:	Nil	
	(v) Manufacturing of sintered or cold bonded ash aggregate:	Nil	
	(vi) Construction of roads, road and fly over embankment:	73,501.97 MT	
	(vii) Construction of dams:	Nil	
	(viii) Filling up of low-lying area:	38,585.63 MT	
	(ix) Filling of mine voids:	Nil	
	(x) Use in overburden dumps:	Nil	
	(xi) Agriculture:	Nil	
	(xii) Construction of shoreline protection structures in coastal districts:	Nil	
	(xiii) Export of ash to other countries:	Nil	
	(xiv) Others (please specify):	Nil	
	Total quantity of current ash unutilised (MTPA) during reporting period:	NIL (Overall 7.93 % Extra utilization were done from Pond Ash based on generation during reporting period)	
16.	Percentage utilisation of current ash generated during reporting period (per cent):	107.93 %	
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):	8,61,735 MT (Pond -I)-Active 6,50,840 MT (Pond - II) - Active	
	(b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):	33,000 MT (Pond - I) 81,151 MT (Pond - II)	
	(c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m ³):	1,85,313 m ³	
	(d) Total number of ash ponds:	2	
	(i) Active:	Both (Pond I & II)	
	(ii) Exhausted (yet to be reclaimed):	Not Applicable	
	(iii) Reclaimed:	Nil	
	(e) total area under ash ponds (ha):	23.738 hectare	
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>	Ash Pond - 1	Ash Pond-2
	(a) Status: Under construction or Active or Exhausted or Reclaimed	Active	Active
	(b) Date of start of ash disposal in ash pond (DD/MM/YYYY or MMYYYY):	04/2013	07/2019
	(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)	Not Applicable	Not Applicable
	(c) area (hectares)		
	(d) dyke height (m):	13 m	13 m
	(d) volume (m ³)	13,00,000 m ³	16,00,000 m ³
	(e) quantity of ash disposed as on 31 st March (m ³ Metric Tons):	NIL	9,56,173
	(f) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):	45.74% and 5,94,665 MT	55.13% and 8,82,009 MT
	(g) expected life of ash pond (number of years and months):	Ash Pond 1 - 5 Years	Ash Pond 2 - 6 Years

	(h) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)	Corner	Latitude	Longitude
		a)	24°14'02.1"N	82°25'35.4"E
		b)	24°14'08.2"N	82°25'22.7"E
		c)	24°14'17.0"N	82°25'04.5"E
		d)	24°14'07.3"N	82°25'04.8"E
		e)	24°14'00.2"N	82°25'21.6"E
		f)	24°13'51.8"N	82°25'30.1"E
	(i) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining	LDPE with Concreate tile		
	(j) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)	Wet disposal, HCSD – Fly Ash, Slurry-Bottom Ash		
	(k) Ratio of ash: water in slurry mix	61:39		
	(l) Ash water recycling system (AWRS) installed and functioning: Yes or No	Yes		
	(m) Quantity of wastewater from ash pond discharged into landor water body (m3):	Nil		
	(n) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:	Last Audit done from IIT- BHU, Varanasi on 21 st September 2024 (Ref No. : IIT (BII[D/CE DA24aSB520, Dated : 0S-12-Z0Z 4)		
	(o) Last date when the audit was conducted and name of the organisation who conducted the audit:	Audit was conducted on 21 st September 2024, by IIT-BHU.		
19.	Quantity of legacy ash utilised (MTPA)	NA		
	(i) Fly ash-based products (bricks or blocks or tiles or fiber cement sheets or pipes or boards or panels):	NA		
	(ii) Cement manufacturing:	NA		
	(iii) Ready mix concrete:	NA		
	(iv) Ash and Geo-polymer based construction material:	NA		
	(v) Manufacturing of sintered or cold bonded ash aggregate:	NA		
	(vi) Construction of roads, road and flyover embankment:	NA		
	(vii) Construction of dams:	NA		
	(viii) Filling up of low-lying area:	NA		
	(ix) Filling of mine voids:	NA		
	(x) Use in overburden dumps:	NA		
	(xi) Agriculture:	NA		
	(xii) Construction of shoreline protection structures in coastal districts;	NA		
	(xiii) Export of ash to other countries	NA		
	(xiv) Others (please specify):	NA		
20.	Summary:			
	Details	Quantity generated (MTPA)	Quantity utilised (MTPA) and (per cent)	Balance quantity (MTPA) as on 31 st March 2025
	Current ash during reporting period	11,25,904 MT	12,15,153 MT and 107.93%	14,23,326
	Legacy ash	----NA----	----NA----	-----NA-----

	Total	11,25,904 MT	12,15,153 MT and 107.93%	14,23,326
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			

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