

JSWBPSL/ENV/25-26/02

19th April 2025.

To
The Member Secretary
Central Pollution Control Board
Parivesh Bhawan, East Arjun Nagar
Shahdara, Delhi-110032(INDIA)

Sub: -Compliance Report on Ash Generation & utilization for the period of 1st Apr'24
to 31st Mar'25.

Reference- MoEF& CC Notification -S. O-5481(E),31st December2021.

Dear Sir,

Inviting your kind attention on the above-mentioned subject.

Please find enclosed herewith the annual compliance report of ash generation and utilization
for the year 2024-25 as **Annexure-1**.

If you require any further information or clarification in this regard, we shall provide you with
the same immediately.

Thanking You.
Yours faithfully,
For **Bhushan Power & Steel Limited**.



Saurabh Singh

HOD-Environment

Cc to –

- 1-Deputy Director General of Forest(C), Ministry of Env ,Forest and Climate Change
Integrated Regional Office, A/3, Chandrasekharpur.Bhubaneswar-751023.
- 2.The Member Secretary Odisha State Pollution Control Board, A/118, Nilakantha Nagar
unit-VIII, Bhubaneswar-751012 Odisha
- 3.Regional officer, Odisha state pollution Control Board, Sambalpur, Odisha

BHUSHAN POWER & STEEL LIMITED SAMBALPUR ODISHA (Ash Compliance Annual Report -FY 2024-25)		
S.N	Details	
1	Name of Power plant	Captive Power Plant of Bhushan Power & Steel Limited
2	Name of company	Bhushan Power & Steel Limited
3	District	Sambalpur
4	State	Odisha
5	Postal address for communication:	Vill. Thelkoloi, P.O. Lapanga Tehsil - Rengali, Odisha-768212
6	E-mail-	anoj.choudhary@jsw.in
7	Power plant installed capacity (MW):	506 MW
8	Plant load Factor (PLF):	89%
9	No of Unit Generated (MWh):	3X130 MW 1x40MW 1x 60MW 2x8MW
10	Total area under power plant (ha) (including area under ash ponds):	17.11 Ha for CPP (No Ash Pond)
11	Quantity of coal consumption during reporting period (Metric tons per Annum):	2639769 MT
12	Average ash content in percentage (percent):	51%
13	Quantity of current ash generation during reporting period (Metric tons per Annum):	1333493 MT
	Fly ash (Metric tons per Annum):	1066794 MT
	Bottom ash (Metric tons per Annum):	266699 MT
14	Capacity of dry fly ash storage silo(s)(Metric tons):	8x1500=12000MT+2x1150=2300MT (Total 14300 MT)
	Details of utilisation of current ash generated during reporting period	
	(a) Total quantity of current ash utilised (MTPA) during reporting period:	1333493 MT
	(b) Quantity of fly ash utilised (MTPA):	
	(i) Fly ash-based products (bricks or block or tiles or fibre cement sheets or pipes or boards or panels)	150372 MT
	(ii) Cement manufacturing:	189 MT
15	(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:	Nil
	(vii) Construction of dams:	Nil

	(viii) Filling up of low-lying area:	916233 MT
	(ix) Filling of mine voids:	Nil
	(ix) 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) other (Dyke/Embankment Raising):	Nil
	(C) Quantity of bottom ash utilised (MTPA):	266699 MT
	(i) Fly ash-based products (bricks or block or tiles or fibre cement sheets or pipes or boards or panels)	108447 MT
	(ii) Cement manufacturing:	Nil
	(iii) Ready mix concrete:	Nil
	(iv) Ash and geo-polymer-based construction material	Nil
	(v) Manufacturing of sintered or cold boned ash aggregate:	Nil
	(vi) Construction of roads, road and flyover embankment:	Nil
	(vii) Construction of dams:	Nil
	(viii) Filling up of low-lying area:	158252 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) other (please specify):	
	Total quantity of current ash unutilised (MTPA)during reporting period:	Nil
16	Percentage utilisation of currents ash generated during reporting period (percent):	100%
17	Details of disposal of ash in ponds	NA
	(a)Total quantity of ash disposed in ash pond(s)(metric tons) as on 31thMarch (excluding reporting period):	NA
	(b)Quantity of ash disposed in ash pond(s)during reporting	NA
	(c) Total quantity of water consumptions for slurry discharge into ash ponds during reporting periods (m3):	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
18	Individual ash pond details	NA
	Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one	NA
	(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 MMYYYY):	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
	(c) Area:	NA
	(d) Dyke height (m):	NA
	(d) Volume(m ³):	NA
	(e) quantity of ash disposed as on 31st march (Metric tons):	Nil
	(f) Available volume in percentage (percentage) and quantity of ash can be further disposed (Metric Ton)	Nil
	(g) Expected life of ash pond (number of years and months):	NA
	(e) Co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)	NA
	(f) Types of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining	NA
	(g) Mode of disposal: Dry disposal or slurry (in case of wet slurry slurry please specify whether HCSD or MCSD or LCSD)	NA
	(h) Ratio of ash: water in slurry mix(l:___):	NA
	(i) Ash water recycling system (AWRS) installed and functioning: Yes or No:	NA
	(j) Quantity of wastewater from ash pond discharged into land or water body(m ³):	NA
(k) Last date when the dyke stability was conducted and name of the organisation who conducted the study:	NA	
(l) Last date when the audit was conducted and name of the organisation who conducted the audit:	10 th August 2024 by Dr Amit Kumar Gorai of NIT Rourkela. Odisha	

19	Quantity of legal ash utilised (MTPA):		Nil	
	i. Fly ash based products (bricks or blocks or tiles or fibre cement sheet or pipes or boards or panels):		Nil	
	ii. Cement manufacturing:		Nil	
	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 flyover embankment:		Nil	
	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):		Nil		
20	Summary:			
	Details	Quantity generated (MTP)	Quantity unutilised (MTP) and (percent)	Balance quantity (MTP)
	Current ash during reporting period	1333493	0	0
	Legacy ash	0	0	0
	Total	1333493	0	0
21	Any other information: Soft copy of the annual compliance report and shape files of powerplant and ash may be e-mailed to: moefccoalash@gov.in			
22	Signature of Authorised Signatory			

