

**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	Ib Thermal Power Station (2X210 MW)
2.	Name of the company	Odisha Power Generation Corporation.
3.	District	Jharsuguda
4.	State	Odisha
5.	Postal address for communication:	At: Banharpali Post: Banharpali Jharsuguda-786 234, Odisha
6.	E-mail:	Parthasarathi.panda@opgc.co.in
7.	Power Plant installed capacity (MW):	420 MW (2X210 MW)
8.	Plant Load Factor (PLF):	75.63%
9.	No. of units generated (MWh):	2782514
10.	Total area under power plant (ha): (including area under ash ponds)	701 Ha
11.	Quantity of coal consumption during reporting period (Metric Tons per Annum):	2469575 MT
12.	Average ash content in percentage (per cent):	46.58%
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):	Total Ash:1150353 Fly Ash:920282 Bottom Ash:230071
14.	Capacity of dry fly ash storage silo(s) (Metric Tons) :	620 MT (OPGC Silo-120 MT, Ultratech Silo-250 X2 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 (please specify):	464849 MT 436369 MT i. 9411 MT vi. 113920 MT viii. 312954 MT xiv. Cenosphere:84 MT

	<p>(c) Quantity of bottom ash utilised (MTPA):</p> <ul style="list-style-type: none"> (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: <ul style="list-style-type: none"> (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) Construction of shoreline protection structures in coastal districts: (xiv) Export of ash to other countries: (xiv) Others (please specify): <p>Total quantity of current ash unutilised (MTPA) during reporting period:</p>	<p>C. 28480 MT</p> <p>vi. 28480 MT</p>

16.	Percentage utilisation of current ash generated during reporting period (per cent):	40.41%
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>	<p>a. Ash Pond-C-6340000 MT</p> <p>b. Ash Pond-C-685504 MT</p> <p>c. 1086697m3 (Fresh Water)</p> <p>d. i.Active-1 Nos (Ash Pond-C) iii.Reclaimed-2 Nos (Ash Pond-A & Ash Pond-B)</p> <p>e. 204.36 Ha Ash Pond-A:60.7 Ha Ash Pond-B:97.16 Ha Ash Pond-C:46.5 Ha</p>
18.	<p>Individual ash pond details</p> <p><i>Ash pond-1,2, etc (please provide below mentioned details separately, if number of ash ponds is more than one)</i></p> <p>(a) Status: Under construction or Active or Exhausted or</p>	<p>a. Ash Pond-A- Exhausted Ash Pond-B- Exhausted Ash Pond-C-Active</p>
	<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>(d) area (hectares):</p> <p>(e) dyke height (m):</p> <p>(f) volume (m³):</p> <p>(g) quantity of ash disposed as on 31st March (Metric Tons):</p> <p>(h) available volume in percentage (per cent) and quantity of ash can be further disposed (Metric Tons):</p> <p>(i) expected life of ash pond (number of years and months):</p> <p>(j) co-ordinates (Lat and Long): (please specify minimum 4 co-ordinates)</p> <p>(k) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining</p> <p>(l) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or MCSD or LCSD)</p> <p>(m) Ratio of ash: water in slurry mix (1:___):</p> <p>(n) Ash water recycling system (AWRS) installed and functioning: Yes or No</p> <p>(o) Quantity of wastewater from ash pond discharged into land or water body (m3):</p>	<p>b. Ash Pond A: 31.08.2007 Ash Pond B-03.06.1995 Ash Pond C-17.04.2017</p> <p>c. Ash Pond A-31.03.2021 Ash Pond B-31.03.2021 Ash Pond C-Not Applicable</p> <p>d. Ash Pond A-20 Ash Pond B-19 Ash Pond C-14 (Up to RL 20 progress)</p> <p>e. Ash Pond A-56 Lakh m3 Ash Pond B-107 Lakh m3 Ash Pond C-59 Lakh me (Up</p> <p>f. Ash Pond A-67 Lakh MT Ash Pond B-128 Lakh MT Ash Pond C- 70.3 Lakh MT (</p> <p>g. Ash Pond A-Nil Ash Pond B-Nil Ash Pond C-Nil till RL-205 r progress till RL 208m which 20%. Total 17.6 Lakh MT of till RL 208m</p> <p>h. Ash Pond A-Not Applicable Ash Pond B-Not applicable Ash Pond C-31.12.2024 Till work of 3 m in progress)</p> <p>i. Ash Pond-A</p>

	<p>(p) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:</p> <p>(q) Last date when the audit was conducted and name of the organisation who conducted the audit:</p>	<p>Latitude: 21°41'21.19"N Longitude: 83°54'31.28"E Ash Pond-B Latitude: 21°41'9.43"N Longitude: 83°53'54.03"E Ash Pond-C Latitude: 21°41'9.43"N Longitude: 83°54'24.00"E</p> <p>j. The active ash pond is lined with a membrane.</p> <p>k. Wet disposal in Ash Pond-C through LCSD system.</p> <p>l. Ash:Water = 1:1.5</p> <p>m. Ash water recycling system with 1200 m³/hr discharge rate each and one standby.</p> <p>n. No water discharged to land.</p> <p>o. The last date of stability audit was done by IIT Chennai.</p>		
19.	<p>Quantity of legacy ash utilised (MTPA):</p> <ol style="list-style-type: none"> 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: iv. Others (please specify): 	Nil		
20.	Summary:			
	Details	Quantity generated (MTP)	Quantity utilised (MTP) and (per cent)	Balance quantity (MTP)

	Current ash during reporting period	1150353 MT	464849 MT	685504MT
	Legacy ash	6344496 MT	Nil	6344496 MT
	Total	8180353 MT	464849 MT	7030000 MT
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			