

Ref: JSL/JRD/ENV/2022-23/09

Date: 28.05.2022

To,  
The Member Secretary  
State Pollution Control Board, Odisha  
A/118, Nilakanthanagar, Unit-VIII,  
**BHUBANESWAR - 751012**

Sub: Annual implementation report of Fly Ash utilisation for the Year 2021-22.

Ref: Fly Ash Notification No. S.O. 5481(E), dated 31.12.2021.

Dear Sir,


This has reference to the captioned subject and cited reference.

We enclose herewith the Annual implementation report of Fly Ash utilisation for the year 2021-22 under the Fly Ash Notification, 2021.

This is for your kind information and necessary records.

Thanking you.

Yours faithfully,  
For **Jindal Stainless Limited**,

  
**Deepak Agrawal**  
Unit Head

Encl: As above.

- CC: 1. The Member Secretary, Central Pollution Control Board, New Delhi  
2. The Director(S), MoEF&CC, Eastern Regional Office, Bhubaneswar.  
3. The Regional Officer, State Pollution Control Board, KNIC, Jajpur Road.

Received  
31/5/22



Jindal Stainless Limited



	<p>(c) Quantity of bottom ash utilised (MTPA):</p> <ul style="list-style-type: none"> <li>(i) Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</li> <li>(ii) Cement manufacturing:</li> <li>(iii) Ready mix concrete:</li> <li>(iv) Ash and Geo-polymer based construction material:</li> <li>(v) Manufacturing of sintered or cold bonded ash aggregate:</li> <li>(vi) Construction of roads, road and flyover embankment:</li> <li>(vii) Construction of dams:</li> <li>(viii) Filling up of low lying area:</li> <li>(ix) Filling of mine voids:</li> <li>(x) Use in overburden dumps:</li> <li>(xi) Agriculture:</li> <li>(xii) Construction of shoreline protection structures in coastal districts:</li> <li>(xiii) Export of ash to other countries:</li> <li>(xiv) Others (please specify):</li> </ul> <p>Total quantity of current ash unutilised (MTPA) during reporting period:</p>	<p>(c) 81840</p> <p>(vi) 70336</p> <p>(viii) 11504</p> <p>Nil</p>
16.	Percentage utilisation of current ash generated during reporting period (per cent):	100 %
17.	<p>Details of disposal of ash in ash ponds</p> <ul style="list-style-type: none"> <li>(a) Total quantity of ash disposed in ash pond(s) (Metric Tons) as on 31<sup>st</sup> March (excluding reporting period):</li> <li>(b) Quantity of ash disposed in ash pond(s) during reporting period (Metric Tons):</li> <li>(c) Total quantity of water consumption for slurry discharge into ash ponds during reporting period (m<sup>3</sup>):</li> <li>(d) Total number of ash ponds: <ul style="list-style-type: none"> <li>(i) Active:</li> <li>(ii) Exhausted (yet to be reclaimed):</li> <li>(iii) Reclaimed:</li> </ul> </li> <li>(e) total area under ash ponds (ha):</li> </ul>	<ul style="list-style-type: none"> <li>(a) 133806 – Net available as on 31.01.2021 after utilization.</li> <li>(b) 81840 ; Utilization : 100%</li> <li>(c) 380952</li> <li>(d) <ul style="list-style-type: none"> <li>(i) Active</li> </ul> </li> <li>(e) 4</li> </ul>
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> <ul style="list-style-type: none"> <li>(a) Status: Under construction or Active or Exhausted or Reclaimed</li> <li>(b) Date of start of ash disposal in ash pond (DD/MM/YYYY or MM/YYYY):</li> <li>(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)</li> <li>(d) area (hectares):</li> <li>(e) dyke height (m):</li> <li>(f) volume (m<sup>3</sup>):</li> </ul>	<ul style="list-style-type: none"> <li>(a) Active</li> <li>(b) 2007</li> <li>(c) Continuing</li> <li>(d) 4</li> <li>(e) 5</li> <li>(f) 2,96,000</li> </ul>

	<p>(g) quantity of ash disposed as on 31<sup>st</sup> 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) g) 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>(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>(g) 133806 – Net available as on 31.01.2021 after utilization.</p> <p>(h) 64 % net available and 236194 MT bottom ash can further be stored.</p> <p>(i) 25 years</p> <p>(j) 20°57'19.1"N 86°03'36.8"E 20°57'16.3"N 86°03'32.7"E 20°57'24.9"N 86°03'28"E 20°57'26.8"N 86°03'31.4"E</p> <p>(k) HDPE</p> <p>(l) Wet Slurry</p> <p>(m) 80:20</p> <p>(n) Yes</p> <p>(o) Nil</p> <p>(p) Not Done</p> <p>(q) In house done periodically</p>	
19.	<p>Quantity of legacy ash utilised (MTPA):</p> <ol style="list-style-type: none"> <li>i. Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels):</li> <li>ii. Cement manufacturing:</li> <li>iii. Ready mix concrete:</li> <li>iv. Ash and Geo-polymer based construction material:</li> <li>v. Manufacturing of sintered or cold bonded ash aggregate:</li> <li>vi. Construction of roads, road and flyover embankment:</li> <li>vii. Construction of dams:</li> <li>viii. Filling up of low lying area:</li> <li>ix. Filling of mine voids:</li> <li>x. Use in overburden dumps:</li> <li>xi. Agriculture:</li> <li>xii. Construction of shoreline protection structures in coastal districts;</li> <li>xiii. Export of ash to other countries:</li> <li>xiv. Others (please specify):</li> </ol>	Nil	
20.	Summary:		
	Quantity generated (MTP)	Quantity utilised (MTP) and (per cent)	Balance quantity (MTP)
Current ash during reporting period	646205	646225	0
Legacy ash	-	-	-
Total	646205	646225	0

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	Kalyan Bhattacharjee Vice President –Energy Management