

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.

Jindal Stainless Limited

Jajpur Unit: Kalınga Nagar Industrial Complex, Duburi, Distt. Jajpur - 755 026 (Odisha) India. CIN: L26922HR1980PLC010901

Corporate Office: Jindal Centre, 12, Bhikaiji Cama Place, New Delhi - 110 066, India, Registered Office: O.P. Jindal Marg, Hisar - 125 005. (Haryana) India.

T: (06726) 266260. F: (06726) 266006, E: info.jajpur@jindalstainless.com, Website: www.jindalstainless.com

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Ash Compliance Report (for the period 1st April-31st March) to be submitted on or before 31st May.

Sl. No.	Details			
1.	Name o	f Power Plant	Captive Power Plant	
2.	Name o	f the company	M/s Jindal Stainless Limited	
3.	District		Jajpur	
4.	State		Odisha	
5.	Postal a		Kalinga Nagar Industrial Complex Duburi, Dist : Jajpur – 755026 Odisha	
6.	E-mail:		Info.jajpur@jindalstainless.com	
7.	Power I	Plant installed capacity (MW):	$2 \times 125 \text{ MW} + 1 \times 13 \text{ MW}$	
8.	Plant Load Factor (PLF): - 8		87.4	
9.			1945011	
10.	Total area under power plant (ha):(including area under ash ponds)		19	
11.			1502608	
12		e ash content in percentage (per cent):	40	
13.	Quantity of current ash generation during reporting period(Metric Tons per Annum): Fly ash (Metric Tons per Annum): Bottom ash (Metric Tons per		564385 81840	
1.4	Annum):		1200	
14.	1	ty of dry fly ash storage silo(s) (Metric Tons):	1200	
15	Details of utilization of current ash generated during reporting period (a) Total quantity of current ash utilised (MTPA)		(a) 646225	
	during reporting period: (b) Quantity of fly ash utilised (MTPA):		(b) 564385	
	(i) (ii)	Fly ash based products (bricks or blocks or tiles or fibre cement sheets or pipes or boards or panels)	(i) 306643	
		Cement manufacturing: Ready mix concrete:	(ii) 205631	
	(iv) (v)	Ash and Geo-polymer based construction material: Manufacturing of sintered or cold bonded ash aggregate:		
	(vi)	ashaggregate: 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): Asbestos	(xiv) 52111	

	(c) Qua	antity of bottom ash utilised (MTPA):	(c) 81840
	(i)	Fly ash based products (bricks or blocks or tiles orfibre cement sheets or pipes or boards or panels):	
	(ii)	Cement manufacturing:	
	(iii)	Ready mix concrete:	
	/	Ash and Geo-polymer based construction material:	
	(v)	Manufacturing of sintered or cold bonded ashaggregate:	
	(vi)	Construction of roads, road and flyover embankment:	(vi) 70336
	(vii)	Construction of dams:	
		Filling up of low lying area:	(viii) 11504
	2000	Filling of mine voids:	
		Use in overburden dumps:	
	(X1)	Agriculture:	
		Construction of shoreline protection structures in coastal districts:	
		Export of ash to other countries:	
	(xiv)	Others (please specify):	
	100 mg	uantity of current ash unutilised (MTPA) reporting period:	Nil
		tage utilisation of current ash generated during	100 %
		ngperiod (per cent):	
		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):		(a) 133806 – Net available as on 31.01.2021 after utilization.
	(b) Qua	antity of ash disposed in ash pond(s) during agperiod (Metric Tons):	(b) 81840; Utilization: 100%
		al quantity of water consumption for slurry geinto ash ponds during reporting period (m ³):	(c) 380952
	(d) Tota	al number of ash ponds:	(d)
		(i) Active:	(i) Active
		ii) Exhausted (yet to be reclaimed): Reclaimed:	
			(e) 4
	(e) total	l area under ash ponds (ha):	(e) 4
	Individ	ual ash pond details	
	detailss	nd-1,2, etc (please provide below mentioned separately, if number of ash ponds is more than	
		tus: Under construction or Active or ted or Reclaimed	(a) Active
	(b) Date	e of start of ash disposal in ash pond M/YYYY orMMYYYYY):	(b) 2007
	(DD/M		(c) Continuing
	(c) Dat comple	te of stoppage of ash disposal in ash pond after ting its capacity (DD/MM/YYYY or MM/YYYY):	
	(DD/M) (c) Data comple (Not ap	ting its capacity (DD/MM/YYYY or MM/YYYY): plicable for active ash ponds)	
	(DD/M) (c) Data comple (Not ap (d) area	ting its capacity (DD/MM/YYYY or MM/YYYY): plicable for active ash ponds) a (hectares):	
	(DD/M) (c) Data comple (Not ap (d) area	ting its capacity (DD/MM/YYYY or MM/YYYY): plicable for active ash ponds)	

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7	Γ	ed as on 31 st March (Metric		31.01.2021 af	available as on ter utilization. lable and 236194
C	of ash can be further dispo		antity	MT bottom as stored.	sh can further be
	(i) expected life of ash pond (number of years and months):) 25 years	
	j) co-ordinates (Lat and) (please specify minimum)		G	20°57'16.3"N 20°57'24.9"N	86°03'36.8"E 86°03'32.7"E 86°03'28"E 86°03'31.4"E
	(k) type of lining carried in ash pond: HDPE lining or LDPE lining or clay lining or No lining			HDPE (
	(l) g) mode of disposal: Dry disposal or wet slurry (in case of wet slurry please specify whether HCSD or) Wet Slurry	
	MCSD or LCSD)	charmy (1.)	(1	n) 80:20	
((m) Ratio of ash: water in slurry mix (1:): (n) Ash water recycling system (AWRS) installed and functioning: Ves or No. 			n) Yes	
(functioning: Yes or No (o) Quantity of wastewater from ash pond discharged into land or water body (m3):			o) Nil	
	(p) Last date when the dyke stability study was conducted and name of the organisation who conducted the study:				
		dit was conducted and nam		q) In house done	e periodically
9.	Quantity of legacy ash uti	lised (MTPA):	1	Nil	
	i. Fly ash based protiles orfibre ceme or panels):ii. Cement manufact				
	iii. Ready mix concretive. Ash and Geo-polymaterial:				
	v. Manufacturing of bonded ashaggres				
		oads, road and flyover			
	vii. Construction of d	ams:			
	viii. Filling up of low				
	ix. Filling of mine vo				
	x. Use in overburde	n dumps:			
	xi. Agriculture:				
	xii. Construction of s structures incoas	shoreline protection			
	xiii. Export of ash to o				
	xiv. Others (please sp				
20.	Summary:				
				utilised nd (per cent)	Balance quantity (MTP)
	Current ash during reporting period	646205	546225		0
	Legacy ash				
	Total	646205	646225		0

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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 Bhattacherjee Vice President –Energy Management