

NAME OF THE INDUSTRY - : Indian Metals & Ferro Alloys Ltd

MONTH WISE STATUS OF UTILIZATION OF COAL ASH (FLY ASH AND BOTTOM ASH)

SL NO	Month-Year	Coal Consumption (MT)	Power Generation (MW)	Quantity of Fly ash Generated (MT)	Quantity of Bottom ash Generated (MT)	Total ash Generated (MT)	Disposal Method	Brick Manufacturing (MT) (own)	Supplied to other Brick / Block Manufacturing Industries (MT)	Mine void Quarry Filling (MT)		Utilization in Embankment/Dyke Raising (MT)	Other purpose (MT)						Total ash Utilized (MT)			% of Utilization
										Quarry Filling	Mine Void Filling		Road Making	RMC	Small land fill	Tiles	Aggregates	Cement Making	From Current month	From Previous stock	Total ash utilized	
1	Apr-23	93897.8	96073.7	38088	5120	43208	By Dumper /Bulker	1618	22948	11693	2468	0	0	0	0	0	0	4481	43208	0	43208	100
Total		93897.8	96073.7	38088	5120	43208		1618	22948	11693	2468	0	0	0	0	0	0	4481	43208	0	43208	100

Note : MT = Metric ton

Bottom ash is being sent to Mahagiri Chromite Mines of IMFA at Kaliapani for mine void filling.

Name of the Power Utility : Indian Metals & Ferro Alloys Ltd.				Name of the Thermal Power Plant (Capacity in MW) Indian Metals & Ferro Alloys Ltd. 50MW + 30 MW + 120 MW = Total 200 MW					
Details of ash utilization during the Month of April' 2023									
Sl. No.	Name of Ash Disposal Area	Ash disposal area in Hectare	Design Life of Ash disposal area	Pond Ash Availability in MT (up to 31.03.2023)	Ash Generated in MT during the April 2023		Ash Utilized in MT during April 2023		Pond Ash Availability in MT (up to 01.05.2023)
					ESP Fly Ash	Bottom Ash	Dry ESP Fly Ash and bottom ash	Pond Ash	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1	IDCO land and Puspangi	50.64	20 yrs	Nil	38088	5120	43208	Nil	Nil
ASH UTILIZATION DETAILS									
Sl. No.	Area of Utilization	For the Month (April 2023)			Cummulative for Year (FY 23-24)				
		Ash utilized in MT			Ash Utilized in MT				
		Dry ESP Fly Ash	Bottom Ash	Pond Ash	Dry ESP Fly Ash and bottom ash		Pond Ash		
1	Bricks/Blocks/Tiles industries								
1A	Dry ESP Fly Ash Issued to Bricks/Blocks/Tiles industries (Outside)	22948	Nil	Nil					
1B	Pond Ash Issued to Bricks/Blocks/Tiles industries (Outside)	Nil	Nil	Nil					
1C	Fly Ash issued for Bricks/Blocks/Tiles in Own Plant		Nil	Nil					
	a) Dry ESP Fly Ash issued	1618	Nil	Nil					
	b) Pond ash issued	Nil	Nil	Nil					
	Sub-Total	1618	Nil	Nil					
	Total fly ash Issued to Bricks/Block/Tile Industries (1A+1B+1C)	24566	Nil	Nil	24566		Nil		
2	Cement Industries								
2A	Dry ESP Fly Ash Issued to Cement Industries								
	a) Cement	4481							
	b) RMC	0							
	c) Asbestos								
	Sub-Total	4481							
2B	Pond Ash Issued to Cement Industries								
	Total Fly Ash Issued to Cement Industries (2A+2B)	4481			4481		Nil		
3	Roads, Fly over /Rail Embankment								
3A	Dry ESP Fly Ash Issued for Road construction (Outside)	0							
3B	Pond Ash Issued for Road construction (Outside)	Nil							
	Total Fly Ash Issued for Road Construction (3A+3B)	0			0		Nil		
4	Total Fly Ash issued for Part replacement of cement in concrete	Nil			Nil		Nil		
5	Total Fly ash supplied to Hydro power sector	Nil			Nil		Nil		
6	Total Fly ash used for Ash Dyke raising	Nil			Nil		Nil		
7	Landfill/Reclamation of low lying area								
	a) Power Utility Own Land	Nil			Nil		Nil		
	b)Outside Land	11693			11693		Nil		
	Total Fly Ash used for Landfill/Reclamation of low lying area	11693			11693		Nil		
8	Mine filling								
	a) Open cast mine	0							
	b) U.G.Mine	2468							
	Total Fly Ash used for Mine filling	2468			2468		Nil		
9	Agriculture / waste land development								
9A	Dry ESP Fly Ash Issued for Agriculture / waste land development								
9B	Pond Ash Issued forAgriculture / waste land development								
	Total Fly Ash Issued to Agriculture/ waste land development (9A+9B)	Nil			Nil		Nil		
10	Others								
	a) CLSM								
	b) Cenospheres								
	c) Bottom ash cover								
	d) Any other (Low Density Aggregates) own	0							
	Total Fly Ash Issued for other purpose	0			0		Nil		
	Grand Total	43208			43208		Nil		

Bottom ash -collected from the bottom of furnace

Dry ESP Fly Ash - Collected from ESP and stored in Silo

Pond Ash - Fly ash and bottom ashStored in Pond

CLSM - Controlled Low strength Material

MT = Metric ton

ANNEXURE-I

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STATUS OF UTILISATION OF COAL ASH (BOTTOM ASH) for April ' 2023

ANNEXURE-II

Sl. No.	Name and address of the TPP	Power plant installed capacity	Quantity of coal consumed during the reporting period	Quantity of bottom ash generated (MT)	Capacity of dry bottom ash storage silo (MT)	Disposal method (Dry / HCSD/ Lean	Modes of Utilisation (MT)														Ash utilised for the Reporting period	% Ash utilised for the Reporting period
							Bottom ash based products (Bricks/blocks/tiles, fibre, cement sheets, pipes, boards, panels etc)	Cement manufacturing	Ready mix concrete	Ash and Geo-Polymer based construction material	Manufacturing of sintred or cold bonded ash aggregates	Construction of roads/road and fly over embankment	Construction of Dams	Filling of low lying areas	Filling of mine voids	Use Overburden dumps	Agriculture	Construction of shoreline protection structures in coastal districts	Export of ash to other countries	Others		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1	Indian Metals & Ferro Alloys Ltd, Choudwar	200 MW PP	93897.8	5120	1200	Dry	0	0	0	0	0	0	0	2652	2468	0	0	0	0	0	5120	100
Note : Bottom ash is being sent to Mahanadi Chromite Mines of IMFA at Kaligapani for mine void filling.																						

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