

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	April-2022	87471.1	87425.9	28557	10892	39449	By Dumper / Bulker	0	10400	22360	0	0	0	0	0	0	0	6689	39449	0	39449	100
2	May-2022	95330.6	87743.3	28959	15205	44164	By Dumper / Bulker	856	12772	28247	0	0	384	0	0	0	0	1905	44164	0	44164	100
3	June-2022	96694.2	84257.4	33526	12347	45873	By Dumper / Bulker	1591	14180	25795	0	0	0	0	0	0	0	4307	45873	0	45873	100
4	July-2022	108791.7	96395.8	47089	5704	52793	By Dumper / Bulker	0	13860	29572	0	0	0	0	0	0	0	9361	52793	0	52793	100
5	Aug-2022	94940.4	89345	39411	5158	44569	By Dumper / Bulker	0	12416	24962	0	0	0	0	0	0	0	7191	44569	0	44569	100
6	Sept-2022	92883	87400	39547	4422	43969	By Dumper / Bulker	837	12580	19868	211	0	132	0	0	0	0	10341	43969	0	43969	100
7	Octo-2022	94668.8	98695.6	37489	5201	42690	By Dumper / Bulker	0	14180	23483	696	0	0	0	0	0	0	4331	42690	0	42690	100
8	Nov-2022	92132.4	94528.3	32982	8672	41654	By Dumper / Bulker	0	16460	19704	1529	0	0	0	0	0	0	3961	41654	0	41654	100
9	Dec-2022	77010.6	77418.9	26823	8073	34896	By Dumper / Bulker	1371	15700	16084	0	0	0	0	0	0	0	1741	34896	0	34896	100
10	Jan-2023	84854.4	88483.8	33524	5021	38545	By Dumper / Bulker	307	17888	15837	687	0	0	0	0	0	0	3826	38545	0	38545	100
11	Feb-2023	80623.6	79835.9	26462	9964	36426	By Dumper / Bulker	0	13772	16022	2581	0	0	0	0	0	0	4051	36426	0	36426	100
12	Mar-2023																					
Total		1005401	971529.9	374369	90659	465028		4962	154208	241934	5704	0	516	0	0	0	0	57704	465028	0	465028	100.00

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 February 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 31.01.2023)	Ash Generated in MT during the February 2023		Ash Utilized in MT during February 2023		Pond Ash Availability in MT (up to 01.03.2023)
					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	26462	9964	36426	Nil	Nil
ASH UTILIZATION DETAILS									
Sl. No.	Area of Utilization	For the Month (February 2023) Ash utilized in MT			Cummulative for Year (FY 22-23) 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)	13772		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	0		Nil		Nil			
	b) Pond ash issued	Nil		Nil		Nil			
	Sub-Total	0		Nil		Nil			
	Total fly ash Issued to Bricks/Block/Tile Industries (1A+1B+1C)	13772		Nil		Nil	159170		Nil
2	Cement Industries								
2A	Dry ESP Fly Ash Issued to Cement Industries								
	a) Cement	4051							
	b) RMC	0							
	c) Asbestos								
	Sub-Total	4051							
2B	Pond Ash Issued to Cement Industries								
	Total Fly Ash Issued to Cement Industries (2A+2B)	4051					57704		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					516		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	16022					241934		Nil
	Total Fly Ash used for Landfill/Reclamation of low lying area	16022					241934		Nil
8	Mine filling								
	a) Open cast mine	0							
	b) U.G.Mine	2581							
	Total Fly Ash used for Mine filling	2581					5704		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	36426					465028		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 February ' 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	80623.6	9964	1200	Dry	0	0	0	0	0	0	0	7383	2581	0	0	0	0	0	9964	100
Note : Bottom ash is being sent to Mahagiri Chromite Mines of IMFA at Kaliapani for mine void filling.																						