

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		Dyke Raising	Road Making	RMC	Small land fill	Tiles	Aggregates	Cement Making	From Current month	From Previous stock	
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
2	May-23	93394.6	95287.9	36374	6283	42657	By Dumper /Bulker	840	19692	12705	2966	0	0	0	0	0	0	6454	42657	0	42657	100
3	Jun-23	97573.3	96745.2	37001	7596	44597	By Dumper /Bulker	0	17225	13376	2535	0	0	0	0	0	2606	8855	44597	0	44597	100
Total		284865.7	288106.8	111463	18999	130462		2458	59865	37774	7969	0	0	0	0	0	2606	19790	130462	0	130462	100

Note : MT = Metric ton

Bottom ash is being sent to Mahagiri Chromite Mines of IMFA at Kaliapani for backfilling.

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 June' 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 31.05.2023)	Ash Generated in MT during the June 2023		Ash Utilized in MT during June 2023		Pond Ash Availability in MT ( up to 01.07.2023)
					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	37001	7596	44597	Nil	Nil
ASH UTILIZATION DETAILS									
Sl. No.	Area of Utilization	For the Month (June 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)	17225	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	Nil	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)	17225	Nil	Nil	62323		Nil		
2	Cement Industries								
2A	Dry ESP Fly Ash Issued to Cement Industries								
	a) Cement	8855							
	b) RMC	0							
	c) Asbestos								
	Sub-Total	8855							
2B	Pond Ash Issued to Cement Industries								
	Total Fly Ash Issued to Cement Industries (2A+2B)	8855			19790		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	13376			37774		Nil		
	Total Fly Ash used for Landfill/Reclamation of low lying area	13376			37774		Nil		
8	Mine filling								
	a) Open cast mine	0							
	b) U.G.Mine	2535							
	Total Fly Ash used for Mine filling	2535			7969		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	2606							
	Total Fly Ash Issued for other purpose	2606			2606		Nil		
	Grand Total	44597			130462		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 June' 2023**

**ANNEXURE-II**

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	97573.3	7596	1200	Dry	0	0	0	0	0	0	0	5061	2535	0	0	0	0	0	7596	100	

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