

NAME OF THE INDUSTRY - : Indian Metals & Ferro Alloys Ltd																								
MONTH WISE STATUS OF UTILIZATION OF COAL & BIOMASS ASH (FLY ASH AND BOTTOM ASH)																								
SL NO	Month-Year	Coal Consumption (MT)	Biomass 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)	Quarry Filling	Mine void Quarry Filling (MT)	Utilization in Embankment/Dyke Raising (MT)	Other purpose (MT)							Total ash Utilized (MT)			% of Utilization
												Mine Void Filling	Dyke Raising	Road Making	RMC	Small land fill	Tiles	Aggregates	Cement Making	From Current month	From Previous stock	Total ash utilized		
1	Apr-23	93897.8	0	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	0	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	0	96745.2	37001	7596	44597	By Dumper /Bulker	0	17225	13376	2535	0	0	0	0	0	2606	8855	44597	0	44597	100	
4	Jul-23	103882.4	0	101267.1	37464	10185	47649	By Dumper /Bulker	837	25625	12115	4374	0	0	0	0	0	0	4698	47649	0	47649	100	
5	Aug-23	100406.142	40.650	99906.7	37920	7859	45779	By Dumper /Bulker	782	25170	11475	5174	0	0	0	0	0	0	3178	45779	0	45779	100	
Total		489154.242	40.65	489280.6	186847	37043	223890		4077	110660	61364	17517	0	0	0	0	0	2606	27666	223890	0	223890	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 August' 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 31.08.2023)	Ash Generated in MT during the August 2023		Ash Utilized in MT during August 2023		Pond Ash Availability in MT (up to 01.09.2023)
					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	37920	7859	45779	Nil	Nil
ASH UTILIZATION DETAILS									
Sl. No.	Area of Utilization	For the Month (August 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)	25170	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	782	Nil	Nil					
	b) Pond ash issued	Nil	Nil	Nil					
	Sub-Total	782	Nil	Nil					
	Total fly ash issued to Bricks/Block/Tile Industries (1A+1B+1C)	25952	Nil	Nil	114737		Nil		
2	Cement Industries								
2A	Dry ESP Fly Ash Issued to Cement Industries								
	a) Cement	3178							
	b) RMC	0							
	c) Asbestos								
	Sub-Total	3178							
2B	Pond Ash Issued to Cement Industries								
	Total Fly Ash Issued to Cement Industries (2A+2B)	3178			27666		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	11475			61364		Nil		
	Total Fly Ash used for Landfill/Reclamation of low lying area	11475			61364		Nil		
8	Mine filling								
	a) Open cast mine	0							
	b) U.G.Mine	5174							
	Total Fly Ash used for Mine filling	5174			17517		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			2606		Nil		
	Grand Total	45779			223890		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-II

Sl. No.	Name and address of the TPP	Power plant Installed capacity	Quantity of coal & Blomass consumed during the reporting period (MT)	Quantity of bottom ash generated (MT)	Capacit y 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/bl ocks/tiles, fibre, cement sheets, pipes, boards, panels etc)	Cement manufactu ring	Ready mix concrete	Ash and Geo-Polymer based constucti on material	Manufac turing of sintred or cold bonded ash aggregat es	Construction of roads/road and fly over embankment	Constructi on of Dams	Filling of low lying areas	Filling of mine voids	Use Overburden dumps	Agricuture	Constructi on 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	100446.792	7859	1200	Dry	0	0	0	0	0	0	0	2685	5174	0	0	0	0	0	7859	100	
Note : Bottom ash is being sent to Mahagiri Chromite Mines of IMFA at Kallapani for backfilling.																							