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
6	Sep-23	97888.6	0	94076.6	34319	10652	44971	By Dumper /Bulker	827	20775	15466	3503	0	0	0	0	0	0	4400	44971	0	44971	100
Total		587042.842	40.65	583357.2	221166	47695	268861		4904	131435	76830	21020	0	0	0	0	0	2606	32066	268861	0	268861	**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 September' 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 30.09.2023)**	**Ash Generated in MT during the September 2023**		**Ash Utilized in MT during September 2023**		**Pond Ash Availability in MT (up to 01.10.2023)**
					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	34319	10652	44971	Nil	Nil

ASH UTILIZATION DETAILS

Sl. No.	Area of Utilization	For the Month (September 2023) Ash utilized in MT			Cummulative for Year (FY 23-24) 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 industies**					
1A	**Dry ESP Fly Ash Issued to Bricks/Blocks/Tiles industies (Outside)**	20775	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	827	Nil	Nil		
	b) Pond ash issued	Nil	Nil	Nil		
	Sub-Total	827	Nil	Nil		
	Total fly ash Issued to Bricks/Block/Tile Industries (1A+1B+1C)	21602	Nil	Nil	136339	Nil
2	**Cement Industries**					
2A	**Dry ESP Fly Ash Issued to Cement Industries**					
	a) Cement	4400				
	b) RMC	0				
	c) Asbestos					
	Sub-Total	4400				
2B	**Pond Ash Issued to Cement Industries**					
	Total Fly Ash Issued to Cement Industries (2A+2B)	4400			32066	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/Reclaimation of low lying area**					
	a) Power Utility Own Land	Nil			Nil	Nil
	b)Outside Land	15466			76830	Nil
	Total Fly Ash used for Landfill/Reclaimation of low lying area	15466			76830	Nil
8	**Mine filling**					
	a) Open cast mine	0				
	b) U.G.Mine	3503				
	Total Fly Ash used for Mine filling	3503			21020	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	**44971**			**268861**	**Nil**

Bottom ash -collected from the bottom of furnace
Dry ESP Fly Ash - Colected from ESP and stored in Silo
Pond Ash - Fly ash and bottom ashStored in Pond
CLSM - Controlled Low strength Material

MT = Metric ton

STATUS OF UTILISATION OF COAL ASH (FLY ASH) for SEPTEMBER' 2023

ANNEXURE-I

Sl. No.	Name and address of the TPP	Power plant installed capacity	Quantity of coal & Biomass consumed during the reporting period (MT)	Quantity of fly ash generated (MT)	Capacity of dry fly 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
							Fly ash based products (Bricks/blocks/tiles,fibre, cement sheets,pipes, boards, panels etc)	Cement manufacturing	Ready mix concrete	Ash and Geo-Polymer based constuction 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	97888.6	34319	3650	Dry	21602	4400	0	0	0	0	0	8317	0	0	0	0	0	0	34319	100

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

ANNEXURE-II

Sl. No.	Name and address of the TPP	Power plant installed capacity	Quantity of coal & Biomass consumed during the reporting period (MT)	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 constuction 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	97888.600	10652	1200	Dry	0	0	0	0	0	0	0	7149	3503	0	0	0	0	0	10652	100

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