<u>NAME OF THE INDUSTRY - :</u> 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 Manufacturi ng (MT) (own)	Supplied to other Block / Block Manufactu ring Industries (MT)	Mine void Quarry Filling (MT)		Utilization in Embankmen t/Dyke Raising (MT)			Other pu	rpose	(MT)	Total ash Utilized (MT)			% of Utilization	
								(own)		Quarry Filling	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	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																					
12	Mar-2023																					
	Total	924777.2	891694.0	347907	80695	428602		4962	140436	225912	3123	0	516	0	0	0	0	53653	428602	0	428602	100.00

Note : MT = Metric ton

Name	of the Power Utility : Indian Metals & Ferro Alloys L	td.		<u>Name of the Thermal Power Plant (Capacity in MW)</u> Indian Metals & Ferro Alloys Ltd. 50MW + 30 MW + 120 MW = Total 200 MW											
	Details of	ash uti	ization	Indian Metals & Ferro Alloys Ltd. 50MW + 30 MW + 120 MW = Total 200 MW Juring the Month of January 2023											
SI. No.	Name of Ash Disposal Area	Ash disposal area in Hectare	Design Life of Ash	Pond Ash Availability in MT (up to 31.12.2022)	Ash G in MT d	enerated	Ash U	tilized i		Pond Ash Availability in MT (up to 01.02.2023)					
					ESP Fly Ash	Bottom Ash	Dry ESP F and botto		Pond Ash						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8		(9)	(10)					
1	IDCO land and Puspangi	50.64	20 yrs	Nil	33524	5021	385	45	Niĺ	Nil					
				LIZATION DETA						(=) (=)					
SI. No.	Area of Utilization			Month (January ized in MT	2023)		Cum			ear (FY 22-23) ed in MT					
		Dry ESP		Bottom Ash	Por	nd Ash	Dry ESP F bottom as	ly Ash a		Pond Ash					
1	Bricks/Blocks/Tiles industies														
1A	Dry ESP Fly Ash Issued to Bricks/Blocks/Tiles industies (Outside)	17	888	Nil		Nil									
1B	Pond Ash Issued to Bricks/Blocks/Tiles industries (Outside)	Ν	lil	Nil		Nil									
	Fly Ash issued for Bricks/Blocks/Tiles in Own Plant			Nil		Nil									
	a) Dry ESP Fly Ash issued	-	07	Nil		Nil									
	b) Pond ash issued Sub-Total		lil 07	Nil		Nil									
	Sub-Total Total fly ash Issued to Bricks/Block/Tile Industries		-	Nil		Nil		445065							
	(1A+1B+1C)	18	195	Nil		Nil	ļ	145398		Nil					
	Cement Industries														
	Dry ESP Fly Ash Issued to Cement Industries a) Cement	20	206												
	b) RMC		26 D												
	c) Asbestos		0												
	Sub-Total	38	26												
2B	Pond Ash Issued to Cement Industries														
	Total Fly Ash Issued to Cement Industries (2A+2B)	38	26					53653		Nil					
	Roads, Fly over /Rail Embankment Dry ESP Fly Ash Issued for Road construction														
	(Outside)		0												
3B	Pond Ash Issued for Road construction (Outside)	Ν	Jil												
	Total Fly Ash Issued for Road Construction (3A+3B)		0					516		Nil					
	Total Fly Ash issued for Part replacement of cement in concrete	Ν	lil					Nil		Nil					
	Total Fly ash supplied to Hydro power sector		lil					Nil		Nil					
	Total Fly ash used for Ash Dyke raising	Ν	lil	ļ			<u> </u>	Nil		Nil					
	Landfill/Reclaimation of low lying area a) Power Utility Own Land	N	Jil				<u> </u>	Nil		Nil					
	b)Outside Land		837					225912		Nil					
	Total Fly Ash used for Landfill/Reclaimation of low		837					225912		Nil					
8	lying area Mine filling						I								
	a) Open cast mine		0												
	b) U.G.Mine		87												
_	Total Fly Ash used for Mine filling	6	87					3123		Nil					
	Agriculture / waste land development Dry ESP Fly Ash Issued for Agriculture / waste														
	land development Pond Ash Issued forAgriculture / waste land														
	development Total Fly Ash Issued to Agriculture/ waste land	N	Jil					Nil		Nil					
10	development (9A+9B) Others							110							
	a) CLSM b) Cenospheres														
	c) Bottom ash cover														
	d) Any other (Low Density Aggregates) own		0												
	Total Fly Ash Issued for other purpose		0 545					0 428602		Nil					
	Grand Total <u>Bottom ash</u> -collected from the bottom of furnace	38	U+U	1	I		I	420002		Nil					

Bottom ash Bottom ash Dry ESP Fly Ash - Colected 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 <u>CLSM</u> - Controlled Low strength Material

MT = Metric ton

							STATU	IS OF UTIL	ISATION	OF COA	LASH (FL'	Y ASH) for Jo	anuary' 202	23				A	NNEXUR	E-1		
	I. Name c	nd Power plant		Quantity of	Capacity of	Disposal						Modes	of Utilisatio	n (MT)							Ash	%
N	o. address the TP		coal		dry fly ash storage silo	method (Dry / HCSD/Lean	Fly ash	Cement	Ready	Ash and	Manufacturi	Construction	Construction	Filling of	Filling of	Use	Agriculture			Others	utilised for the	Ash utilised for the
	line ii	cupucity	during the	(MT)	(MT)	ncsb/tean		manufactur				of roads/road	of Dams	low lying	mine			n of	ash to		Reporting	
			reporting	(,	(,		products (Bricks/bloc	ing	concrete		or cold	and fly over embankment		areas	voids	den dumps		shoreline protection	other countries		period	period
			period				ks/tiles,fibre,				aggregates	embankmenn				domps		structures	coonnes			
							cement			n material								in coastal				
							sheets,pipes ,boards,											districts				
							panels etc)															
							,,															
F	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 Allo Ltd,	200 MW PP	84854.4	33524	3650	Dmr	18195	3826	•		,	•		11503					•		33524	100
	Choudw	ar 200 MW PP	84854.4	33524	3650	Dry	10175	3826	0	0	0	0	0	11503	0	0	0	0	0	0	33524	100

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

ANNEXURE-II

SI.	Name and	Power plant	Quantity	Quantity of	Capacity	Disposal						Modes	of Utilisation	(MT)							Ash	%
No.	address of the TPP	installed	of coal consumed	bottom	of dry bottom	method (Dry / HCSD/ Lean	Bottom ash based products (Bricks/bl ocks/tiles, fibre, cement sheets, pipes, boards, panels etc)	Cement manufactur ing	Ready mix concrete	Geo- Polymer based constuctio n material	uring of sintred or cold bonded	Construction of roads/road and fly over embankment	Constructio	Filling	of mine voids		Agriculture	Constructi on of shoreline protection structures in coastal districts	ash to other		utilised for the	Ash utilised
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	Indian Metals & Ferro Alloys Ltd, Choudwar	200 MW PP	84854.4	5021	1200	Dry	0	0	0	0	0	0	0	4334	687	0	0	0	0	0	5021	100