

## Ash utilisation status

### 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 With subsidy (MT)	Mine void Quarry Filling (MT)		Utilization in Embankment/Dyke Raising (MT)	Other purpose (MT)							Total ash Utilized (MT)			% of Utilization
										Quarry Filling	Coal 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 -2021	89827.9	83503.4	29846	11518	41364	By Dumper	1165	11560	20177	0	0	0	0	0	0	0	8462	41364	0	41364	100.00	
2	May-2021	87959	85019.6	37459	4159	41618	By Dumper	0	14470	16550	0	0	0	0	0	0	0	10598	41618	0	41618	100.00	
3	June-2021	93605.5	89825.9	37959	6113	44072	By Dumper	0	10370	23973	0	0	0	0	0	0	0	9729	44072	0	44072	100	
4	July-2021	95012.3	97467.7	38067	5409	43476	By Dumper	0	12110	18951	0	0	0	0	0	0	0	12415	43476	0	43476	100	
5	Aug-2021	90692.8	90602.7	33884	7296	41180	By Dumper	1409	10190	20845	0	0	0	0	0	0	0	8736	41180	0	41180	100	
6	Sept-2021	89686.9	84979.2	34078	7426	41504	By Dumper	638	8650	23326	0	0	0	60	0	0	0	8830	41504	0	41504	100	
7							By Dumper																
8							By Dumper																
9							By Dumper																
10							By Dumper																
11							By Dumper																
12							By Dumper																
Total		546784.4	531398.5	211293	41921	253214		3212	67350	123822	0	0	0	60	0	0	0	58770	253214	0	253214	100.00	

**Note : MT = Metric ton**

With reference to letter no. 1314/IND-IV-PCP-FARC-01 dt 20.01.2015 we are providing fly ash with subsidy for road making and subsidy to brick / block manufacturing unit.

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 2021									
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 30.09.2021)	Ash Generated in MT during the September 2021		Ash Utilized in MT during September 2021		Pond Ash Availability in MT ( up to 01.10.2021)
					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	34078	7426	41504	Nil	Nil
ASH UTILIZATION DETAILS									
Sl. No.	Area of Utilization	For the Month (September 2021) Ash utilized in MT			Cummulative for Year (FY 21-22) 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)	8650		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	638		Nil		Nil			
	b) Pond ash issued	Nil		Nil		Nil			
	Sub-Total	638		Nil		Nil			
	Total fly ash Issued to Bricks/Block/Tile Industries (1A+1B+1C)	9288		Nil		Nil	70562		Nil
2	Cement Industries								
2A	Dry ESP Fly Ash Issued to Cement Industries								
	a) Cement	8830							
	b) RMC	60							
	c) Asbestos								
	Sub-Total	8890							
2B	Pond Ash Issued to Cement Industries								
	Total Fly Ash Issued to Cement Industries (2A+2B)	8890					58830		Nil
3	Roads, Fly over /Rail Embankment								
3A	Dry ESP Fly Ash Issued for Road construction (Outside)	Nil							
3B	Pond Ash Issued for Road construction (Outside)	Nil							
	Total Fly Ash Issued for Road Construction (3A+3B)	Nil					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	23326					123822		Nil
	Total Fly Ash used for Landfill/Reclamation of low lying area	23326					123822		Nil
8	Mine filling								
	a) Open cast mine								
	b) U.G.Mine								
	Total Fly Ash used for Mine filling	Nil					Nil		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	41504					253214		Nil

**Bottom ash** -collected from the bottom of furnace

**Dry ESP Fly Ash** - Collected from ESP and stored in Silo

MT = Metric ton

**Pond Ash** - Fly ash and bottom ashStored in Pond

**CLSM** - Controlled Low strength Material