

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 | | | | | | | By Dumper | | | | | | | | | | | | | | | | |
| 7 | | | | | | | By Dumper | | | | | | | | | | | | | | | | |
| 8 | | | | | | | By Dumper | | | | | | | | | | | | | | | | |
| 9 | | | | | | | By Dumper | | | | | | | | | | | | | | | | |
| 10 | | | | | | | By Dumper | | | | | | | | | | | | | | | | |
| 11 | | | | | | | By Dumper | | | | | | | | | | | | | | | | |
| 12 | | | | | | | By Dumper | | | | | | | | | | | | | | | | |
| Total | | 457097.5 | 446419.3 | 177215 | 34495 | 211710 | | 2574 | 58700 | 100496 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 49940 | 211710 | 0 | 211710 | 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 August 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 31.08.2021) | Ash Generated in MT during the August 2021 | | Ash Utilized in MT during August 2021 | | Pond Ash Availability in MT (up to 01.09.2021) |
| | | | | | 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 | 33884 | 7296 | 41180 | Nil | Nil |
| ASH UTILIZATION DETAILS | | | | | | | | | |
| Sl. No. | Area of Utilization | For the Month (August 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) | 10190 | 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 | 1409 | Nil | Nil | | | | | |
| | b) Pond ash issued | Nil | Nil | Nil | | | | | |
| | Sub-Total | 1409 | Nil | Nil | | | | | |
| | Total fly ash Issued to Bricks/Block/Tile Industries (1A+1B+1C) | 11599 | Nil | Nil | 61274 | | Nil | | |
| 2 | Cement Industries | | | | | | | | |
| 2A | Dry ESP Fly Ash Issued to Cement Industries | | | | | | | | |
| | a) Cement | 8736 | | | | | | | |
| | b) RMC | 0 | | | | | | | |
| | c) Asbestos | | | | | | | | |
| | Sub-Total | 8736 | | | | | | | |
| 2B | Pond Ash Issued to Cement Industries | | | | | | | | |
| | Total Fly Ash Issued to Cement Industries (2A+2B) | 8736 | | | 49940 | | 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 | 20845 | | | | 100496 | | Nil | |
| | Total Fly Ash used for Landfill/Reclamation of low lying area | 20845 | | | | 100496 | | 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 | 41180 | | | 211710 | | 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