

Details of ash utilization during the Month of **OCT 2017**

| Sl. No. | Name of Ash Disposal Area | Ash disposal area in Hectare | Design Life of Ash disposal area | Pond Ash Availability in Million MT (up to 31.03. 2017) | Ash Generated in MT during the Oct- 2017 |            | Ash Utilized in MT during Oct- 2017 |            |          | Pond Ash Availability in Million MT (up to 31.10.2017) |
|---------|---------------------------|------------------------------|----------------------------------|---|--|------------|-------------------------------------|------------|----------|--|
|         |                           |                              |                                  |   | ESP Fly Ash                              | Bottom Ash | Dry ESP Fly Ash                     | Bottom Ash | Pond Ash |  |
| (1)     | (2)                       | (3)                          | (4)                              | (5)   | (6)                                      | (7)        | (8)                                 | (9)        | (10)     | (11)   |
| 1       | Ash Dyke                  | 431.48                       | Upto 2026                        | 25.91   | 415192                                   | 103798     | 36698                               | 258        | 0        | 28.71  |
| 2       |                           |                              |                                  |   |  |            |                                     |            |          |  |
| 3       |                           |                              |                                  |   |  |            |                                     |            |          |  |

## ASH UTILIZATION DETAILS

| Sl. No. | Area of Utilization  | For the Month (Oct 2017)<br>Ash utilized in MT |            |          | Cummulative for Year (FY 17-18)<br>Utilized in MT |            |           | Ash |
|---------|--|--|------------|----------|---|------------|-----------|-----|
|         |  | Dry ESP Fly Ash                                | Bottom Ash | Pond Ash | Dry ESP Fly Ash                                   | Bottom Ash | Pond Ash  |     |
| 1       | Bricks/Blocks/Tiles industries   |  |            |          |   |            |           |     |
| 1A      | Dry ESP Fly Ash Issued to Bricks/Blocks/Tiles industries (Outside)         | 21499.08                                       | 0          | 0        | 136692.73   | 0          | 0         |     |
| 1B      | Pond Ash Issued to Bricks/Blocks/Tiles industries (Outside)                |  |            |          |   |            |           |     |
| 1C      | Fly Ash issued for Bricks/Blocks/Tiles in Own Plant                        |  |            |          |   |            |           |     |
|         | a) Dry ESP Fly Ash issued  | 357.03   |            |          | 1430.26   |            |           |     |
|         | b) Pond ash issued   |  |            |          |   |            |           |     |
|         | <b>Sub-Total</b>   | 357.03   | 0          | 0        | 1430.26   | 0          | 0         |     |
|         | <b>Total fly ash Issued to Bricks/Block/Tile Industries (1A+1B+1C)</b>     | 21856.11                                       | 0          | 0        | 138122.99   | 0          | 0         |     |
| 2       | Cement Industries  |  |            |          |   |            |           |     |
| 2A      | Dry ESP Fly Ash Issued to Cement Industries                                |  |            |          |   |            |           |     |
|         | a) Cement  | 14397.8  | 0          | 0        | 208585.61   | 0          | 0         |     |
|         | b) RMC   | 0  | 0          | 0        | 0   | 0          | 0         |     |
|         | c) Asbestos  | 0  | 0          | 0        | 0   | 0          | 0         |     |
|         | <b>Sub-Total</b>   | 14397.8  | 0          | 0        | 208585.61   | 0          | 0         |     |
| 2B      | Pond Ash Issued to Cement Industries                                       | 0  | 0          | 0        | 0   | 0          | 0         |     |
|         | <b>Total Fly Ash Issued to Cement Industries (2A+2B)</b>                   | 14397.8  | 0          | 0        | 208585.61   | 0          | 0         |     |
| 3       | Roads, Fly over /Rail Embankment   |  |            |          |   |            |           |     |
| 3A      | Dry ESP Fly Ash Issued for Road construction (Outside)                     | 444.21   | 0          | 0        | 8176.34   | 0          | 0         |     |
| 3B      | Pond Ash Issued for Road construction (Outside)                            | 0  | 0          | 0        | 0   | 0          | 8100      |     |
|         | <b>Total Fly Ash Issued for Road Construction (3A+3B)</b>                  | 444.21   | 0          | 0        | 8176.34   | 0          | 8100      |     |
| 4       | Total Fly Ash issued for Part replacement of cement in concrete            | 0  | 0          | 0        | 0   | 0          | 0         |     |
| 5       | Total Fly ash supplied to Hydro power sector                               | 0  | 0          | 0        | 0   | 0          | 0         |     |
| 6       | Total Fly ash used for Ash Dyke raising                                    | 0  | 0          | 0        | 0   | 1500       | 0         |     |
| 7       | Landfill/Reclamation of low lying area                                     |  |            |          |   |            |           |     |
|         | a) Power Utility Own Land  | 0  | 0          | 0        | 0   | 976        | 10216     |     |
|         | b)Outside Land   | 0  | 0          | 0        | 0   | 0          | 71736     |     |
|         | <b>Total Fly Ash used for Landfill/Reclamation of low lying area</b>       | 0  | 0          | 0        | 0   | 976        | 81952     |     |
| 8       | Mine filling   |  |            |          |   |            |           |     |
|         | a) Open cast mine  |  |            |          |   |            |           |     |
|         | b) U.G.Mine  |  |            |          |   |            |           |     |
|         | <b>Total Fly Ash used for mine filling</b>                                 | 0  | 0          | 0        | 0   | 0          | 0         |     |
| 9       | Agriculture / waste land development                                       |  |            |          |   |            |           |     |
| 9A      | Dry ESP Fly Ash Issued for Agriculture / waste land development            |  |            |          |   |            |           |     |
| 9B      | Pond Ash Issued for Agriculture / waste land development                   |  |            |          |   |            |           |     |
|         | <b>Total Fly Ash Issued to Agriculture/ waste land development (9A+9B)</b> | 0  | 0          | 0        | 0   | 0          | 0         |     |
| 10      | Others   |  |            |          |   |            |           |     |
|         | a) CLSM  | 0  | 0          | 0        | 0   | 0          | 0         |     |
|         | b) Cenospheres   | 0  | 0          | 0        | 0   | 0          | 161.7     |     |
|         | c) Bottom ash cover  | 0  | 258        | 0        | 0   | 722        | 0         |     |
|         | d) Any other   | 0  | 0          | 0        | 0   | 0          | 32.5      |     |
|         | <b>Total Fly Ash Issued for other purpose</b>                              | 0  | 258        | 0        | 0   | 722        | 194.2     |     |
|         | <b>Grand Total</b>   | 36698.12                                       | 258        | 0        | 354884.94   | 3198       | 90246.2   |     |
|         | <b>TOTAL ASH UTILIZATION</b>   |  | 36956.12   |          |   |            | 448329.14 |     |

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 ash Stored in Pond

CLSM - Controlled Low strength Material