

| Name of the Power Utility: MAHAGENCO Name of the Thermal Power Plant ( Capacity in MW)- BHUSAWAL TPS. (1210 MW) |  |                              |                                  |  |   |            |                                    |                                 |            |   |
|---|--|------------------------------|----------------------------------|--|---|------------|------------------------------------|---------------------------------|------------|---|
| Details of ash utilization during the Month of Oct 2019   |  |                              |                                  |  |   |            |                                    |                                 |            |   |
| 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 30.09.2019) | Ash Generated in MT during the Sep 2019 |            | Ash Utilized in MT during Sep 2019 |                                 |            | Pond Ash Availability in MT ( up to 31.10.2019) |
|   |  |                              |                                  |  | 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   | VELHALA ASH BUND NO.3  | 115                          | Up to 2020                       | 6646709  | 99407.94                                | 42603.40   | 87973.76                           | 0                               | 52850      | 6647897   |
| ASH UTILIZATION DETAILS   |  |                              |                                  |  |   |            |                                    |                                 |            |   |
| Sl. No.   | Area of Utilization  | For the Month (Sep - 2019)   |                                  |  | Ash                                     |            |                                    | Cummulative for Year (FY 19-20) |            |   |
|   |  | Dry ESP Fly Ash              | Bottom Ash                       | Pond Ash                                       | Dry ESP Fly Ash                         | Bottom Ash | Pond Ash                           | Dry ESP Fly Ash                 | Bottom Ash | Pond Ash  |
| 1   | <b>Bricks/Blocks/Tiles industries</b>                                      |                              |                                  |  |   |            |                                    |                                 |            |   |
| 1A  | Dry ESP Fly Ash Issued to Bricks/Blocks/Tiles industries (Outside)         | 10382.72                     | 0                                | 0  |   |            |                                    |                                 |            |   |
| 1B  | Pond Ash Issued to Bricks/Blocks/Tiles industries (Outside)                |                              |                                  | 49504  |   |            |                                    |                                 |            |   |
| 1C  | Fly Ash issued for Bricks/Blocks/Tiles in Own Plant                        | 0                            |                                  |  |   |            |                                    |                                 |            |   |
|   | a) Dry ESP Fly Ash issued  | 0                            |                                  |  |   |            |                                    |                                 |            |   |
|   | b) Pond ash issued   | 0                            |                                  |  |   |            |                                    |                                 |            |   |
|   | <b>Sub-Total</b>   | 10382.72                     | 0                                | 49504  |   |            |                                    |                                 |            |   |
|   | <b>Total fly ash Issued to Bricks/Block/Tile Industries (1A+1B+1C)</b>     | 10382.72                     | 0                                | 49504  | 92768.82                                |            |                                    |                                 |            | 108990  |
| 2   | <b>Cement Industries</b>   |                              |                                  |  |   |            |                                    |                                 |            |   |
| 2A  | Dry ESP Fly Ash Issued to Cement Industries                                |                              |                                  |  |   |            |                                    |                                 |            |   |
|   | a) Cement  | 77591.04                     | 0                                | 0  |   |            |                                    |                                 |            |   |
|   | b) RMC   | 0                            | 0                                |  |   |            |                                    |                                 |            |   |
|   | c) Asbestos  | 0                            | 0                                |  |   |            |                                    |                                 |            |   |
|   | <b>Sub-Total</b>   | 77591.04                     | 0                                |  |   |            |                                    |                                 |            |   |
| 2B  | Pond Ash Issued to Cement Industries                                       | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
|   | <b>Total Fly Ash Issued to Cement Industries (2A+2B)</b>                   | 77591.04                     | 0                                | 0  | 507009.8                                |            |                                    |                                 |            |   |
| 3   | <b>Roads, Fly over /Rail Embankment</b>                                    |                              |                                  |  |   |            |                                    |                                 |            |   |
| 3A  | Dry ESP Fly Ash Issued for Road construction (Outside)                     | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
| 3B  | Pond Ash Issued for Road construction (Outside)                            | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
|   | <b>Total Fly Ash Issued for Road Construction (3A+3B)</b>                  | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
| 4   | <b>Total Fly Ash issued for Part replacement of cement in concrete</b>     | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
| 5   | <b>Total Fly ash supplied to Hydro power sector</b>                        | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
| 6   | <b>Total Fly ash used for Ash Dyke raising</b>                             | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
| 7   | <b>Landfill/Reclamation of low lying area</b>                              |                              |                                  |  |   |            |                                    |                                 |            |   |
|   | a) Power Utility Own Land  | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
|   | b)Outside Land   | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
|   | <b>Total Fly Ash used for Landfill/Reclamation of low lying area</b>       | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
| 8   | <b>Mine filling</b>  |                              |                                  |  |   |            |                                    |                                 |            |   |
|   | a) Open cast mine  | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
|   | b) U.G.Mine  | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
|   | <b>Total Fly Ash used for Mine filling</b>                                 | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
| 9   | <b>Agriculture / waste land development</b>                                |                              |                                  |  |   |            |                                    |                                 |            |   |
| 9A  | Dry ESP Fly Ash Issued for Agriculture / waste land development            | 0                            | 0                                | 0  |   |            |                                    |                                 |            |   |
| 9B  | Pond Ash Issued for Agriculture / waste land development                   |                              |                                  | 3346   |   |            |                                    |                                 |            |   |
|   | <b>Total Fly Ash Issued to Agriculture/ waste land development (9A+9B)</b> |                              |                                  | 3346   |   |            |                                    |                                 |            | 20055   |
| 10  | <b>Others</b>  |                              |                                  |  |   |            |                                    |                                 |            |   |
|   | a) CLSM  | 0                            |                                  |  |   |            |                                    |                                 |            |   |
|   | b) Cenospheres   | 0                            |                                  |  |   |            |                                    |                                 |            |   |
|   | c) Bottom ash cover  | 0                            |                                  |  |   |            |                                    |                                 |            |   |
|   | d) Any other (Ash Bund Raising)  | 0                            |                                  | 0  |   |            |                                    |                                 |            |   |
|   | <b>Total Fly Ash Issued for other purpose</b>                              | 0                            |                                  | 0  |   |            |                                    |                                 |            | 276752  |
|   | <b>Grand Total</b>   | 87973.76                     |                                  | 52850  | 599778.6                                |            |                                    |                                 |            | 405797  |

**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 ashStored in Pond

**CLSM** - Controlled Low strength Material