

**MADDIGEDDA RESERVOIR PROJECT**

**SALIENT FEATURES**

- |    |                      |   |  |
|----|----------------------|---|--|
| 1. | Name of the project  | : | Maddigedda Reservoir Project   |
| 2. | Location             | : | Addateegala Village & Mandal<br>East Godavari District, Andhra Pradesh |
| 3. | Longitude            | : | 82° - 0' - 41 E  |
| 4. | Latitude             | : | 17° - 29' - 7" N   |
| 5. | Catchment Area       | : | 125.30 sq.km.  |
| 6. | Mean Annual Rainfall | : | 1,054.9 mm.  |

**Reservoir**

- |     |                            |   |  |
|-----|----------------------------|---|--|
| 7.  | Full Reservoir Level (FRL) | : | + 188.00 m.                              |
| 8.  | Maximum Water Level (MWL)  | : | + 188.00 m.                              |
| 9.  | Dead Storage Level (DSL)   | : | + 177.30 m. (crest level of head sluice) |
| 10. | Gross Storage Level at FRL | : | 13.735 M.cum.                            |
| 11. | Dead Storage at DSL        | : | 1.465 M.cum.                             |
| 12. | Live Storage               | : | 12.27 M.cum.                             |
| 13. | Top Level of Dam           | : | 191.00 m.                                |

**Main Dam**

- |     |   |   |                                    |
|-----|---|---|------------------------------------|
| 14. | Type  | : | Earth Dam                          |
| 15. | Total height of dam from deepest Foundation level | : | 27.5 m.                            |
| 16. | Total length of dam                               | : | 806 m. including 56 m. of Spillway |
| 17. | Crest Level                                       | : | + 183.5 m.                         |

**Spillway**

- |     |                            |   |                          |
|-----|----------------------------|---|--------------------------|
| 18. | Type of Gates              | : | Vertical                 |
| 19. | Size                       | : | 4 Nos. of 12 m. x 4.5 m. |
| 20. | Length (between abutments) | : | 56.00 m.                 |
| 21. | Capacity                   | : | 968.88 cumec.            |

**Distribution System**

- |     |                         |   |  |
|-----|-------------------------|---|--|
| 22. | Length of Main Canal    | : | 18.824 km.   |
| 23. | Gross Command Area      | : | 1,620 ha. + 90 ha.   |
| 24. | Cultivable Command Area | : | 1,620 ha. + 90 ha.<br>In addition, 810 ha. rabi (ID) by crop rotation is also envisaged. |
| 25. | Annual Irrigation       | : | 2,520 ha.  |