

Electrical Power System At G M R T

Group Co-ordinator

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Current Status:

11th Plan proposed works —

- 1) For 200 KVA D G sets (3nos) : Replacement of Mechanical fuel governor with electronic one with suitable modifications.
- 2) Purchasing and installation of D G set Synchronizing panel (for 200KVA D G set).
- 3) Laying 50Sq.mm underground LT cable for Jog shed servo lab. Jog shed servo lab electrification.
- 4) Replacement of Single phase split AC units with three phase AC units in 5 central square antennas.
- 5) Replacement of existing Aviation lamps with LED type in all 30 antennas.
- 6) Providing 35KVA D G sets for 10 antennas of Y array.
- 7) Replacing 15 KVA computer room UPS with New UPS of adequate capacity.
- 8) Providing maintenance free earth electrodes for G M R T antennas and labs in Central Square.
- 9) Replacement of PCB's with necessary wiring of 15 Kva stabilizers in G M R T antennas.
- 10) Rectifying M S E D C L's RFI sources----
- 10a) Replacing faulty insulators.
- 10b) Replacing conductors with sleeve and crimped joints.
- 10c) Replacing LT distribution boxes on their DP,s around G M R T.

11th Plan completed works —

- 1) 200 KVA DG set- Mechanical fuel governors are replaced with Electronic fuel governor and the Engine control panel with necessary modifications.
- 2) 200 KVA DG set Synchronizing panel Commissioned.
- 3) LT underground cable laid and given power supply to Jog shed servo lab.
- 4) 15 Kva Stabilizer analog PCB's replaced with digital type with necessary power and control wiring.
- 5) Rectified MSEDCL's identified RFI sources like —
 - 5a) Replaced 11KV weak Porcelain pin insulator.
 - 5b) Replaced all faulty Distribution Boxes on MSEDCL's DP's around G MRT.
 - 5c) 11KV jumpers on DP are replaced with conductor having crimped lugs and heat shrinkable sleeves.
 - 5d) HT fuses with stone technology on DP's are replaced with solderded fuses.
 - 5e) Replaced Gadakh fuses with conductor jumps.

11th Plan works : Status of pending jobs —

- 1) 3 phase Voltas split AC units are received .Will be installed during MTAC.
- 2) LED type aviation lamps received and are being installed.
- 3) PO placed for Maintenance free earth electrodes.
- 4) Quotations are invited for 35KVA DG sets through public tender.
- 5) UPS for G MRT computer room: It is at specification preparation stage.