

## **Tender No.65.11.8080**

### **Generic technical specification of 40 KVA DG set.**

Generic technical specification of 40 KVA DG set (Manual Control Panel) 3 phase 415 V Rated voltage, of standard make like kirloskar or similar consisting of Diesel Engine, Alternator, Acoustic Enclosure & Accessories are as under:-

- A. Diesel Engine- Kirloskar make or similar reliable rugged diesel engine 1500 RPM rated for continues duty with additional 10% overloading capacity for one hrs in any period for 12 hrs of continues operation at standard operation condition, with air cooling system, low lub oil and high temperature safeties and with standard accessories, with electric start arrangement as supplied by manufacturer.
- B. Alternator- synchronous alternator of Kirlosker Green make or similar suitable for continuous operation at 1500 RPM in single phase/three phase at 230V/415V at 0.8 power factor (lag), 50 Hz, 4 wire system. The alternator shall be self-excited, self regulated and foot mounted fitted with ball and /or roller bearings. The alternator will generally confirming to BS:2613/IS:4722.
- C. Acoustic Enclosure (Canopy)- Kirloskar Green make or similar acoustic enclosure confirming to CPCB norms i.e. maximum permissible sound pressure level shall be 75 db at 1 meter from the enclosure surface. The enclosure is integral part of Genset.
- D. Accessories-
  - 01 No Base plate for Mounting Diesel Engine and Alternator.
  - 01 No Fuel tank of suitable capacity.
  - 01 No Battery 12 V Dry Uncharged with leads Excide/SF make or similar.

For Controller of Stores