



**TECHNICAL SPECIFICATION**

01. The scanned copy of this annexure (original downloaded) duly completed and seal signed by the bidder must be uploaded otherwise bid should not be considered. Any supplementary information may be uploaded separately.
02. The samples where-ever mentioned in specifications must be submitted in this Directorate along with physical submission of DD's of EMD etc, otherwise concerned item will not be considered for technical evaluation.
03. Scanned Copies of Original Literature/Leaflets/Catalogue etc. must be enclosed in support of your Make and Specifications otherwise concerned items will not be considered for Technical Evaluation.
04. The delivery period will be 90 Days.
05. The Material will be Supplied F.O.R. at District Level Industrial Training Institutes / Concerning Industrial Training Institutes as per enclosed List.
06. Authorization Certificate of manufacturer where-ever mentioned in specifications must be submitted in prescribed format (Annexure-L) otherwise concerned item will not be considered for Technical Evaluation.
07. All the required literature/ leaflets/Catalogues, authorisation certificates must be submitted with the tender and these will not be demanded by the department after receipt of tender.

Item No. : 06/2018-19 Due Date : 20.08.2018

Name of Tenderer :

Name of Item : **DIESEL GENERATOR 7.5 K.V.A.**

S. No.	Specifications	Qty.	Make & model	(*) Specify variation in Specification if any, otherwise write "No variation" / as per Specification.
01	<p><b>Diesel Generator Set with Change Over Switch, Over Current Breaker and Water Cooled with Armature, Star-Delta Connections AC 3 Phase 7.5 KVA, 415 Volt or Higher Rating :-</b></p> <p>Silent Diesel Generator Set with change over switch, over current breaker and water Cooled with armature, star-delta connections AC 3 phase 7.5 KVA, 415 volt or higher rating with Following Specification.</p> <p><b>(A) A.C. Generator 7.5 KVA :</b>            AC 440 Volts, 0.8 PF Voltage variation within <math>\pm 5\%</math>, 3 Phase in screen protected drip proof enclosure and above , 4 Pole, 50 Hz, 1500 RPM Self Excited. Self-regulated Screen protected Revolving armature, Horizontal, Foot mounted, Insulation class "H", Fitted with ball bearing. Generator suitable for continues operation.</p> <p><b>(B) Diesel Engine :</b></p>	84 Nos.		



Four Strokes, double cylinder, minimum 12 BHP, and above 1500 RPM Vertical, water-Cooled, electric self-start, with battery of 65 AH, 12 volt with residential type exhaust silencer. It will be capable of 10% over load for minimum 1 Hr, Continues running at full load, equipped with heavy fly wheel, Radiator with fan Guard, suitable coupling air cleaner, fuel pump. Fuel Tank 8 to 10 liter Capacity with inlet and outlet arrangement with air vent and drain plug arrangement.

Diesel Generator set shall be provided with engine hour meter, battery charge indicator and fuel level indicator. it should be in closed CANOPY, Noise Level at one meter distance should be less than 75 db, The Diesel generator set shall have self charging facility for the battery with electric dynamo. The Diesel generator should be electric start with battery, Single phase Protection, High temperature engine auto shut down, Over load Protection facility.

**Following Instrument and safety device should be mounted on**

**CANOPY Body :-**

- a. Digital A.C. Ammeter Size : 96 x 96 mm - 03 Nos.
- b. Digital A.C. Voltmeter Size : 96 x 96 mm - 01 Nos.
- c. Power factor meter Suitable current capacity & Voltage 3 Phase Size : 96 x 96 mm - 01 No.
- d. HRC main Fuses - 1 Set.
- e. Voltmeter selector switch - 01 No.
- f. Instruments Fuses - 01 Set.
- g. Input & output terminals- 01 Set each.
- h. Pilot Lamps - 03 Nos.
- i. ELCB - 01 No.
- j. 4 Pole Change Over Switch - 01 No.

- **D.G. Set meet requirements of Environmental (Protection) Rules 1986, in respect of noise and emission norms, as described in STC**
- **Test Report for engine and alternator from central government/ NABL/ILAC Accredited laboratory should be given at time of supply at concerning institute**



