

Name of the Work:- Estimate for supply, installation, testing and commissioning of 3phase 200KVA DG Set with AMF Panel for 450 LPM PSA Oxygen Generation Plant at SDH, Balliguda.

Sl. No.	Particulars	Qty	Unit	Quoted Rate	Amount	% of G.S.T	Amount of G.S.T	G. Total
1.	<p>Supply,Installation,Testing& commissioning of 200KVA D.G.Set with following specifications</p> <p>RATING:-200 KVA - 3 PH with AMF Panel</p> <p>ENGINE MAKE:-Cummins / CAT / Volvo/ Perkins</p> <p>ENGINE SPECIFICATION:-6 CYLINDER, IN-LINE, 4 STROKE, RADITOR COOLED & 206 BHP, Full Authority Electronic Engine</p> <p>EMISSION NORM:-CPCB II APPROVED</p> <p>FUEL TANK:-In-built fuel tank capacity 300 ltrs.</p> <p>BATTERY:-2 x 12 V Battery of 95 AH with leads.(24month Replacement Warranty)</p> <p>CONTROL PANEL:-Auto Mains Failure Control Panel</p> <p>SILENCER:- Critical Grade Silencer</p> <p>LUBE OIL:- First fill of lube oil / First fill of coolant (Lube oil change period in every 500 hours or in 1 year, whichever is earlier)</p> <p>ACOUSTIC ENCLOSURE:- Acoustic Enclosure passed with 9-tank pretreatment process.</p> <p>GENSET CONTROLLER:-PC 1.1 Micro-processor based generator set monitoring, metering and control system with LCD display – meant for Engine metering, Engine protection, Alternator metering and Alternator protection etc.</p> <p>FUEL CONSUMPTION:- Fuel consumption of engine at declared percentage of load includes loads of both radiator and fan.</p> <p>AMBIENT TEMPERATURE:- Standard integral set-mounted radiator system, designed and tested for 50°C ambient temperature.</p> <p>STANDARD WARRANTY:-Standard warranty of 2 years – comprehensive warranty on entire package, including rubber components.</p> <p>However, warranty coverage of 1 year is applicable on AMF Control Panel and Acoustic enclosure only of DG set.</p> <p>EXTENDED WARRANTY Extended warranty – 3 years on Engine critical parts, such as Cylinder Block, Cylinder Head, Cam Shaft, Crank Shaft and Connecting Rod.</p> <p>ALTERNATOR MAKE:-Stamford / Crompton Greaves / LoreySomer</p> <p>ALTERNATOR SPECIFICATION:-200 KVA BRUSHLESS TYPE, SCREEN PROTECTED, REVOLVING FIELD, SELF EXCITED CONFIRING TO IS/IEC 60034-1</p> <p>INSTALLATION ,COMMISSIONING & TESTING:- PCC FOUNDATION ,Unloading, 4NOS. COPPER PLATE EARTHING, AMF PANEL STAND, 300SQ MM 3.5SCORE ALUMINUM AMROED POWER CABLE(80Mtr.), 2.5sq mm 4core copper cable(80Mtr), Diesel 200Ltr & Installation charges etc.as per the direction of engineer in charge</p>	1	Job.					

-Sd/- Er. P.K.Bal, dtd. 21.10.2021
Superintending Engineer
Balliguda (R&B)Division.