

**Name of the Work:- Estimate for supply, installation , testing and commissioning of 3phase 160KVA DG Set with AMF Panel  
for 500 LPM PSA Plant at DHH Phulbani.**

Sl. No.	Particulars	Qty	Unit	Quoted Rate	Amount	% of G.S.T	Amount of G.S.T	G. Total
1.	<p>Supply, Installation, Testing&amp; commissioning of 160KVA D.G. Set with following specifications</p> <p>RATING:-160 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 &amp; 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 / Lorey Somer</p> <p>ALTERNATOR SPECIFICATION:-160 KVA BRUSHLESS TYPE, SCREEN PROTECTED, REVOLVING FIELD, SELF EXCITED CONFIRING TO IS/IEC 60034-1</p> <p>INSTALLATION ,COMMISSIONING &amp; TESTING:- PCC FOUNDATION ,Unloading, 4NOS. COPPER PLATE EARTHING, AMF PANEL STAND, 300SQ MM 3.5CORE ALUMINUM AMROED POWER CABLE(80Mtr.), 2.5sq mm 4core copper cable (80Mtr), Diesel 200Ltr &amp; Installation charges etc.as per the direction of engineer in charge.</p> <p>N.B:-Vendor has to submit electrical inspection certificate from electrical inspector Energy department Govt. of Odisha.</p>	1	Job.					

Signature of the Bidder