

ABSTRACT

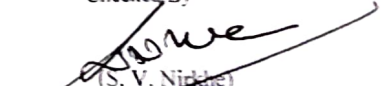
Name of Work :- Supply, erection & commissioning of 62.5 KVA DG set, and other required accessories at Aalewadi Minor
Project, Dist. Buldhana.

No	Description	Unit	Qty	Rate	Amount
1	Supplying, erecting, testing and commissioning of diesel generating set with alternator of 62.5 kVA output continuous rating, 3 Phase, 415 V, 50c/s 0.8 p. f. A.C supply, a totally enclosed air cooled / liquid cooled multi-cylinder diesel engine developing suitable BHP at 1500 rpm with 10% overload for 1 hour in 12 hours, along with standard accessories, self-excited, self-regulated, screen protected alternator with static excitation system running at 1500 RPM as per IS 4722-2001 with voltage regulation +/- 5 %, with performance class G2 and maximum fuel consumption 11.3 Ltr/hr @75% loading. Both the engine and alternator direct coupled on a common fabricated steel base frame and mounted on anti-vibrating pads with standard control panel comprising meters, switchgears, indicators connected with suitable wires/cables, the complete set enclosed in composite Acoustic enclosure as fully assembled integral unit made of 16 SWG CRCA Sheet, sound absorbing material to restrict sound level up to 75 dB at 1.0 m, provided with first filling of oil, diesel not less than 150 Ltr etc. on provided M20 Grade CC Foundation as per specification no. GEN-DG	Each	1	694842.75	694842.75
2	Supplying & erecting four pole ON LOAD change over switch, 415V, 400A, open execution having staggered termination, phase barrier, shroud termination and terminal cover along with auxiliary contacts and ready to upgrade with fuse protection kit, rotary handle, operational current category AC23A complying to IS/IEC 60947-3 Part-1/3.	Each	1	24887.10	24887.10
3	Supplying, installation and testing of maintenance free earthing comprising of Electrode of 17.2 mm diameter Low Carbon Steel with 250 micron molecular copper bonded earthing rod of Length 3m along with 25 kg Carbon based environment friendly back fill ground enhancing compound required to fill up the excavated earth with required quantity complete, and recording the results Specification no. EA-MOBI	Each	4	14495.25	57981.00
4	Supplying and erecting GI strip of high purity required size used for earthing on wall and/or any other purpose with necessary GI clamps fixed on wall painted with bituminous paint with joints required. As per specification no EA-EP.	Kg	130	233.10	30303.00
5	Making cement concrete foundation in 1:3:6 cement concrete, (20 to 25) mm. stone metal duly plastered with necessary curing for complete. (pole muffing or any other purpose).	M3	4	3606.75	14427.00
Total Rs.					822440.85
Add 18% GST Rs.					148039.35
Total Rs.					970480.20
Say Rs.					970480.00

(In Word Rs. Nine lakh seventy thousand four hundred eighty only)

Prepared By

S. S. Wankhade
Sectional Engineer

Checked By

(S. V. Nikhe)
Deputy Engineer
Gate Mfg and Erection
Sub Division No1 Akola

Sanctioned Estimate No.
EE/MD/AK/2025... Dt. ...
Sanctioned for Rs 970480 / Nine lakh seventy thousand four hundred eighty only


Executive Engineer
Mechanical Division
Akola