

Gen Model:

Engine Model :

Alternator Model :

Sl No	Job Description	Technical Details/ Brand	SOS	Unit	Quantity	Unit Rate	Total Rate	Remarks	CRM
1	Electrical Systems:								
1.1	Generator Power Cable (30 °C Ambient on air)	4 X 10 mm NYY DG to ATS 4 X 10 mm NYY MAINS to ATS 4 X 10 mm NYY ATS to DB		Meter (Approx.)	40			PDB connection of the building not arranged yet. As per client, DB and ATS location at 2nd floor. Qty. depends upon the panel position.	1. 30 m included in sales. 2. Rest (40-30)=10 m will be billable.
1.2	Power Cable Lugs	10 mm, Material: Copper, Surface-Electro Tinned		Pcs	4				
1.3	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm) Flexible Cable		Meter (Approx.)	26				
1.4	PVC Flexible Pipe	2" Dia		Meter (Approx.)	85				
1.5	Saddle for Flexible Pipe	2"		Pcs	40				
1.6	Royal Plug & Screw	2"		Pcs	50				
1.7	Royal Bolts	10 no.		Pack	2 & 2				
1.8	PVC Tape	Adhesive Tape 4 Color (Red/Yellow/Black/Blue)		Pcs	10				
1.9	PIB Tape			Pcs	8				
1.10	Cable Tie	6"/8"		Pcs	1				
1.11	Power and control cable laying and execution works	4CX10mm NYY Power Cable length- 50meter (Approx.)		Pack	3				
2	Generator Earthing :								
2.1	Earthing Boring	Earthing of electrical installation with 38.1 mm (1.5") dia G.I. pipe (earth electrode) having 6.35 mm dia holes across the dia at 305 mm interval securely bonded with washer, nuts, bolts etc. sunk upto a depth of 80 ft to attain earth resistance < 1 ohm including blind socket for water pouring facility.		Job	1				
2.2	Earthing Copper Lead	Installation of solid copper wire earthing lead 2 SWG in 38.1 mm dia GI pipe & termination of connection at both end.		Meter (Approx.)	28				
2.5	Earthing Block / Equipotential bar	Dimension 25mm2 with connection facility		Pc	1				
2.4	Earthing Cable lugs	6 mm, Material: Copper, Surface-Electro Tinned		Pcs	5				
2.3	Earthing Cable	1 X 6 mm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	6			As per client, they will use existing arrangements due to space constraints.	
3	Exhaust System:								
3.1	Exhaust Silencer straight Pipe	M5 Pipe bore 3", thickness 3/4mm		Feet(Approx)	6			Silencer pipe will rise up to 9ft (Approx.) from EGL	
3.2	Pipe converter	2" by 3"		Pcs	1				
3.3	Exhaust Bends /Elbow	Long radius 90 deg L bow		Pcs	2				
3.4	Exhaust Threaded Socket	M5, Bore 3"		Pcs	1				
3.5	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 1mm Aluminium sheet cladding.		Job	1				
3.6	Exhaust Fitting	All bracket, support must be made with M5 angle 50X50X 4, 5 & 6 MM		Job	1				
4	Commissioning Material:								
4.1	Radiator Premix Coolant	Havoline		Liter	15				
4.2	Lube oil	SAE 15 W 40		Liter	10				
4.3	Battery electrolyte	Specific gravity 1250		Liter	10				
5	DG On site delivery:								
5.1	Loading /Unloading/Lifting	Generator dry weight-1100 Kg	CWPL	Job	1			DG location at ground floor.	
6	Civil works:								
6.1	Punch with grille for Radiator Hot Air & Silencer Pipe extension		Client	Job	1			Already instructed to client.	

** Notes: All the necessary civil works will be done by client with CWPL engineer instruction.

1x10mm NYY Cable,
18m X 520 = 9.360f

Additional power
Cable NO copy.
(Pipe incl mat & pit)
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