

CLIENT - MD. YOUNUS

ADDRESS- BARIDHARA

DATE-01.07.2017

**GEN MODEL-
ELECTRICAL**

ENGINE MODEL-

ALTERNATOR MODEL-

ALTERNATOR MODEL-

SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF SUPPLY	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:							
1.1	Power Cable (35°C Ambient in Air)	1C-50 mm NYY DG To ATS 1C-50 NYY MAINS To ATS 1C-50 NYY ATS to LOAD	Meter Meter Meter	32 20 20	515 515 515	16,480 10,300 10,300		
1.2	Power Cable Lugs	50 mm , Material -Copper , Surface-Electro Tinned 2" dia	Meter	24	105	2,520		
1.3	PVC Flexible Pipe	4 X 1.2 mm (40/0.19 mm)Flexible Cable 2" dia	Meter(Appx)	50	105	5,250		
1.4	Control cable For Sensing	10 No.	Pcs	25	15	375		
1.5	Saddle	Adhesive Tape 04 color (Red/Yellow/Black/Blue)	Pack	2	145	290		
1.6	Royal Plug & Screw	10 no.	Pcs	4	40	160		
1.7	PVC Tape	L - 10"	Pcs	10	35	350		
1.8	Royal Bolt		Pack	1	250	250		
1.9	Cable Tie							
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 100 ft to attain earth resistance <1 ohm including blind socket for water pouring facility.	Job	N/A				Existing arrangements will be used
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 (apprx.)	N/A				
2.3	Earthing Block / Equipotential bar	Dimension 250mm X 20mm X 5mm with connection facility	Pc	1	2,500	2,500		
2.4	Earthing Cable	1 X 16mm BYA (Green) from Earthing Copper bar to gen & equipment	Meter (apprx.)	5	175	875		
2.5	Earthing Cable lugs	16 mm Material -Copper , Surface-Electro Tinned	Pcs	6	32	192		
	MECHANICAL INSTALLATIONS							
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3", thickness 3-4mm	Feet(Apprx)	20	625	12,500		
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow, bore 3"	Pcs	2	625	1,250		
3.3	Exhaust Flange	Threaded 3"dia	Pcs	4	450	1,800		
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26 SWG Aluminium sheet	Job	1	5,500	5,500		
3.5	Exhasut Fitting	All bracket, support must be made with MS angle 50X50X 4, flat bar etc	Job	1	5,000	5,000		
4	Cooling System:							
4.1	Radiator Ducting	As per layout with 20/22 SWG MS sheet/Angle bar, flat bar support,Canvas cloth, iron net mesh etc	Sq-ft (appx.)	N/A				
5	Commissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolant	Liter	15	200	3,000		
5.2	Lube oil	SAE 15 W 40	Liter	10	420	4,200		
5.3	Battery electrolyte	Specific gravity 1250	Liter	10	65	650		
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight- 1600Kg	Job	1	-	-		
07	Civil works:							
7.1	Generator foundation by CC	Dimension L X W X D -	Job	N/A				
	Total (BDT) Excl VAT & AIT:					84,912		

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

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