

CLIENT - MD. YOUNUS

ADDRESS- BARIDHARA

DATE-01.07.2017

**GEN MODEL-
ELECTRICAL**

ENGINE 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	32	515	16,480		
1.2	Power Cable Lugs	50 mm Material -Copper Surface-Electro Tinned	Meter	20	515	10,300		
1.3	PVC Flexible Pipe	2" dia	Pcs	26	45	1,170		
1.4	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm)Flexible Cable	Meter(Appx)	24	105	2,520		
1.5	Saddle	2" dia	Pcs	25	105	5,250		
1.6	Royal Plug & Screw	10 No.	Pack	2	145	375		
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)	Pcs	4	40	290		
1.8	Royal Bolt	10 no.	Pcs	10	35	160		
1.9	Cable Tie	L - 10"	Pack	1	250	350		
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 securedly 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 SWGs in 38.1 mm dia GI pipe & termination of connection at both end .	Meter (approx.)	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 16rm BYA (Green) from Earthing Copper bar to gen & equipment	Meter (approx.)	5	175	875		
2.5	Earthing Cable lugs	16 m Material -Copper , Surface-Electro Tinned	Pcs	6	32	192		
MECHANICAL INSTALLATIONS								
Exhaust System:								
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3", thickness 3-4mm	Feet(Apprx)	20	625	12,500		
3.2	Exhaust Bands /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		
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				
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 1.250	Liter	10	65	650		
DG On site delivery:								
6.1	Loading /Unloading/Lifting	Generator dry weight- 1600Kg	Job	1	-	-		
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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