

CROSS WORLD POWER LIMITED
BOQ OF 1X100 KVA GENERATOR

CLIENT - MD. YOUNUS

ADDRESS- BARIDHARA

DATE- 01.07.2017

GEN MODEL-

ENGINE MODEL-

ALTERNATOR MODEL-

ELECTRICAL INSTALLATIONS

SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOP E OF SUPP LY	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:							
1.1	Power Cable (35°C Ambient in Air)	1C-50 rm 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 rm , Material -Copper , Surface -Electro Tinned		Pcs	26	45	1,170	
1.3	PVC Flexible Pipe	2" dia		Meter	24	105	2,520	
1.4	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable		Meter(Appx)	50	105	5,250	
1.5	Saddle	2" dia		Pcs	25	15	375	
1.6	Royal Plug & Screw	10 No.		Pack	2	145	290	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	4	40	160	
1.8	Royal Bolt	10 no.		Pcs	10	35	350	
1.9	Cable Tie	L - 10"		Pack	1	250	250	
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 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 16rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter (apprx.)	5	175	875	
2.5	Earthing Cable lugs	16 rm 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 cladding		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 (apprx.)	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.

আমাদের
 প্রকল্পের
 উল্লিখিত-
 বাল্যশালার
 প্রবেশদ্বার-
 কবর
 অনুমতি
 প্রদান
 করা
 হলো।

স্বাক্ষর
 ডায় (E)