

Comm. Mat. WO only for Exhaust Work

**CROSS WORLD POWER LIMITED
BOQ OF 30 KVA GENERATOR**

CLIENT - BRIG. GENERAL SARIFUDDIN		ADDRESS- MIRPUR DOHS, DHAKA		DATE- 20-07-16			
GEN MODEL-		ENGINE MODEL-		ALTERNATOR MODEL-			
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SOS	UOM	QTY	TOTAL RATE	REMARKS
1	Electrical System:						
1.1	Power Cable (35 °C Ambient on air)	4X16 rm NYY DG To ATS		Meter	8	6,320	POWER CABLE LENGTH MAY CHANGE DUE TO ATS, LT & CABLE LAYING ROUTE OR LOCATION
		4X16 rm NYY Mains(LT) To ATS		Meter	8	6,320	
		4X16 rm NYY ATS To Load		Meter	15	11,850	
1.2	Power Cable Lugs	16 rm , Material -Copper , Surface-Electro Tinned		Pcs	26	1,170	
1.3	Control cable For Sensing	4 X 12 rm (40/0.19 mm)Flexible Cable		Meter	16	1,680	
1.4	PVC Flexible Pipe	1.5" dia		Meter	5	625	
1.5	Saddle for flexible pipe	1.5" dia local		Pcs	20	300	
1.6	Royal Plug & Screw	1.5" length		Pack	2	290	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	8	280	
1.8	Royal Bolt	10 no.		Pcs	10	300	
1.9	Cable Tie	L - 6"/8"		Pack	1	175	
2	Generator Earthing :						
2.1	Earthing Boring	Earthing of electrical installation with 38 mm (1.5") dia G.I. pipe throughly (2swg earth electrode) having 6.35 mm dia holes across dia at 305 mm interval securedly bonded with washer, nuts, bolts etc. sunk upto a depth of 100 ft with GIP pipe to attain earth resistance <1 ohm including blind socket for water pouring facility. Boring: 100' & GI Pipe: 10"x10"	CLIENT	Job	1		Client will done
2.2	Earthing Copper Lead	Installation of solid cooper wire earthing lead 2 SWG in 25.4 mm dia GI pipe & termination of connection at both end	CLIENT	Meter (Approx)	35		Client Scope
2.3	Earthing Block	Dimension LXWxD - 250mm X 20mm X 5mm with connection facility		Pcs	1	2,550	
2.4	Earthing Cable	1 X 10 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	10	1,750	EARTHING BORING LOCATION CONFIRM FROM CLIENT.
2.5	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs	6	150	
3	Exhaust System:						
3.1	Exhaust Silencer straight Pipe	MS Pipe ,bore 2" ,thickness 3-4mm		Feet(Approx)	12	6,000	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow for 2" bore		Pcs	3	1,125	
3.3	Exhaust Socket	Threaded 3"dia MS Socket		Pcs	3	1,350	
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 1 mm Aluminium sheet cladding.		Job	1	4,500	
3.5	Exhaust Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	4,250	
04	Cooling System:						
4.1	Radiator Ducting	As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth etc		Sq-ft	N/A		Canopy hot air front exit
5	Commissioning Material:						
5.1	Radiator coolant	Havoline Premix Coolant		Liter	10	2,500	
5.2	Lube oil	SAE 15 W 40		Liter	10	4,000	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	650	
5.4	Fuel	Diesel (For test run)		Liter	36	2,808	
06	DG On site delivery						
6.1	Loading /Unloading/Lifting	Generator dry weight(with canopy) (Approx)-1100 Kg	CWPL	Job	1	-	
07	Civil works:						
7.1	Generator foundation CC	Dim L X W (mm) - 2750X1670 Depth D(mm): 100	CLIENT	Job	1	-	
Total (BDT):						60,943	

23/10/16

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27/12/2016

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