

CROSS WORLD POWER LIMITED

BOQ OF 1x45kVA GENERATOR

Cross-world



CLIENT - ABA GROUP (Mosjid)

ADDRESS - , Dhaka.

DATE: 21/12/2020

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 on air)	4C-25rm NYY DG To ATS 4C-25rm NYY MAINS To ATS 4C-25rm NYY ATS To LOAD		Meter	8 5 6	1,444 1,444 1,444	11,006 6,604 8,805	
1.2	Power Cable Lugs	25rm , Material -Copper , Surface -Electro Tinned		Pcs	26	18	468	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable (2XDG to ATS)		Meter	18	90	1,620	
1.4	PVC Flexible pipe	1.5" inner Ø		Meter	18	39	713	
1.5	Saddle for Flexible pipe	1.5" Ø Local		Pcs	20	5	100	
1.6	Royal Plug & Screw	1.5"		Pack	2	171	342	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	8	29	232	
1.8	Royal Bolt	10 no.		Pcs	10	18	180	
1.9	Cable Tie	L - 8 "		Pack	1	138	138	
1.10	Power cable laying	4C-25rm NYY cable laying, connection & termination	CWPL	Meter	0	70	-	
2	Generator Earthing :							
2.1	Earthing Boring	100rft		Job	1	7,237	7,237	
2.2	Earthing Copper Lead	4 SWG		Meter	43	262	11,266	
2.3	GI Pipe (Boring)	38mm dia		Meter	6	483	2,898	
2.4	Earhting Block	Dimension LXWXD - 200mm X 30mm X 4mm with connection facility		Pc	1	1,974	1,974	
2.5	Earthing Cable	1 X 16 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	10	194	1,940	
2.6	Earthing Cable lugs	16 rm Material -Copper , Surface -Electro Tinned		Pcs	16	11	176	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" , thickness 3mm		Meter	5	1,726	8,630	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3" Dia		Pcs	2	724	1,448	
3.3	Socket	For 3" Dia pipe		Pcs	1	592	592	
3.4	Exhaust Flange	Welding neck flange 4" dia		Pcs	2	461	922	
3.5	Exhaust Heat Insulation	Insulation Of Pipe with Glasswool (25.4mm thickness) along with 26SWG Aluminium sheet cladding.		Job	1	4,564	4,564	
3.6	Exhaust Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	3,476	3,476	
4	Cooling System:							
4.1	Radiator Ducting	As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, Iron mesh etc WxH- 3'1" x 2'6", L-6' (Approx.)		Sq-ft	N/A	-	-	Canopy standard, hot air Front exit
5	Commissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolant		Liter	10	160	1,600	
5.2	Lube oil	SAE 15 W 40		Liter	10	400	4,000	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	90	900	
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	45 kVA generator need to rolling 150 feet approximate on the tiles	CWPL	Job	1	-	-	This additional work free of cost due to Mosjid Works.
7	Civil work							
7.1	Required DG base	Base dimension LXW(ft)=9'x3'8", Depth, D- 4" RCC with NCF.	CLIENT	Job		-	-	✓ Already Done

TOTAL TK.(Excluding VAT & AIT)

81,832

Notes:

- ALL necessary civil work to be done by client.
- Diesel fuel for test run will be arranged by client.

TK. 15000/-
21/12/20