

CROSS WORLD POWER LIMITED

BOQ OF 1x45kVA GENERATOR

CLIENT - MD HOUSE (ABA GROUP)

ADDRESS-LALMATIA, DHAKA 2/2, F-BLOCK

DATE: 14.09.2020

GEN MODEL-		ENGINE MODEL-	ALTERNATOR MODEL-					REMARKS
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF SUPPLY	UOM	QTY	UNIT RATE	TOTAL RATE	
1	Electrical System:							
1.1	Power Cable (35 °C Ambient on air)	4C-25rm NYY DG To ATS 4C-25rm NYY MAINS (LT PANEL) To ATS 4C-25rm NYY ATS To LOAD (EDB-C)		Meter	34 10 3	1,313 1,313 1,313	44,025 12,807 4,002	
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	62	90	5,580	
1.4	PVC Flexible pipe	1.5" inner Ø		Meter	46	39	1,807	
1.5	Saddle for Flexible pipe	1.5" Ø Local		Pcs	50	5	250	
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	3	138	414	
1.10	Power cable laying	4C-25rm NYY cable laying, connection & termination		Meter	46	70	3,244	
2	Generator Earthing :							
2.1	Earthing Boring	80 rft		Job	1	5,789	5,789	
2.2	Earthing Copper Lead	4 SWG		Meter	31	262	8,122	
2.3	GI Pipe (Boring)	38mm dia		Meter	7	483	3,384	
2.4	Earthing 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	176	1,760	
2.6	Earthing Cable lugs	16 rm Material -Copper , Surface-Electro Tinned		Pcs	8	11	88	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" , thickness 3mm		Meter	7	1,726	12,082	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3" Dia		Pcs	4	724	2,896	
3.3	MS Socket	3" dia socket		Pcs	2	592	1,184	
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Glasswool (25.4mm thickness) along with 26SWG Aluminium sheet cladding.		Job	1	5,600	5,600	
3.5	Exhaust Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	4,340	4,340	
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- 2' x 1.5', L-6' (Approx.)		Sq-ft	42	237	9,954	Canopy hot air need to top 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	420	4,200	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	90	900	
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight-2000 Kg	CWPL	Job	1	-	-	
7	Civil work							
7.1	Required DG base	Base dimension LXW(ft)=9'6"x4.5', Depth, D- 4" RCC with NCF.	CLIENT	job	0	-	-	
TOTAL TK (Excluding VAT & AIT)							137,225	

Notes:

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

69051/-

10/09/2020