

CROSS WORLD POWER LIMITED
BOQ OF 100 KVA GENERATOR

CLIENT - Baitul Aman Welfare Foundation

ADDRESS- Uttara, Dhaka

DATE- 07.03.2020

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)	1C 50 rm NY Cable for DG to ATS 1C 50 rm NY Cable Mains to ATS 1C 50 rm NY Cable ATS to Load (DB)		Meter	165	521	85,842	Client Responsibility
				Meter	30	521	15,884	Client Responsibility
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1.3	Power Cable Lugs	50 rm , Material -Copper , Surface -Electro Tinned		Pcs	28	33	924	Supplier Responsibility cost have to pay
1.5	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable		Meter	85	87	7,427	Client Responsibility
1.6	PVC Pipe	4" dia		Meter	46	225	10,350	Supplier Responsibility cost have to pay
1.7	Saddle for PVC pipe	2.5" dia local		pcs	60	8	480	Supplier Responsibility cost have to pay
1.8	Royal Plug	2" length		Pack	4	53	212	Supplier Responsibility cost have to pay
1.9	Screw	2" length		Pack	4	158	632	Supplier Responsibility cost have to pay
1.10	PIB Tape			Pcs	1	461	461	Supplier Responsibility cost have to pay
1.11	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	8	29	232	Supplier Responsibility cost have to pay
1.12	Royal Bolt	12 no.		Pcs	10	21	210	Supplier Responsibility cost have to pay
1.13	Cable Tie	L - 12"		Pack	2	158	316	Supplier Responsibility cost have to pay
1.14	Power Cable Laying	Power Cable Laying execution work for 50 rm	CWPL	Meter	226	45	10,152	Supplier Responsibility cost have to pay
1.15	Circuit	200 A TP MCCB		Pcs	2	10,000	20,000	Client Responsibility
2	Generator Earthing :							
2.1	Earthing Boring	Earthing of electrical installation with 25.4 mm (1") 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		Job	N/A	-	-	Existing system will used
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		Meter	N/A	-	-	
2.3	GI Pipe	38.1mm dia GI pipe		Meter	N/A	-	-	
2.4	Earthing Block	Dimension LXWxD - 250mm X 20mm X 5mm with connection facility		Pc	1	2,368	2,368	Supplier Responsibility cost have to pay
2.5	Earthing Cable	1 X 16 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	46	160	7,314	Supplier Responsibility cost have to pay
2.6	Earthing Cable lugs	16 rm Material -Copper , Surface -Electro Tinned		Pcs	6	11	66	Supplier Responsibility cost have to pay
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 4", thickness 3-4mm		Meter (Approx)	3	1,942	5,826	Supplier Responsibility cost have to pay
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 4"		Pcs	3	855	2,565	Supplier Responsibility cost have to pay
3.3	Exhaust Flange	Threaded 4"dia MS flange		Pcs	2	461	922	Supplier Responsibility cost have to pay
3.4	Exhaust Reducer	3"-4"		Pcs	1	724	724	Supplier Responsibility cost have to pay
3.5	Exhaust Heat Insulation with silencer box	Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet cladding		Job	1	4,573	4,573	Supplier Responsibility cost have to pay
3.6	Exhasut Fitting with silencer box	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	3,528	3,528	Supplier Responsibility cost have to pay
04	Cooling System:							
4.1	Radiator Ducting	As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth etc		Sq-ft	80	237	18,960	Supplier Responsibility cost have to pay
5	Commissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolent		Liter	15	160	2,400	Supplier Responsibility cost have to pay
5.2	Lube oil	SAE 15 W 40		Liter	10	-	-	Supplied by CPL Free of Cost
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	-	-	Supplied by CPL Free of Cost
5.4	Diesel for test run	for test run (50% of base tank)	Client	Liter	-	-	-	
06	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight-2600 Kg	CWPL	Job	1	-	-	Already done
(Excluding VAT & Tax) Total tk--							218,253	

Approved: 2,10,000/-

Payment: Advance → 1 lac (Cg Given @ 22/02/2020)
After Installⁿ → 1 lac

24/6/2020