

CROSS WORLD POWER LIMITED

BOQ OF 42.5 KVA GENERATOR

CLIENT - Shahjalal Islami Bank Limited

ADDRESS- Dhamondi

DATE- 17-02-16

GEN MODEL-

ENGINE MODEL-

ALTERNATOR MODEL-

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 16 rm NYY		Meter	5	795	3,975	
1.2	Power Cable Lugs	16 rm , Material -Copper , Surface-Electro Tinned		Pcs	4			
1.3	Ferrule	25 rm , Material -Copper , Surface-Electro Tinned		Pcs	4			
1.3	Control cable For Sensing	25 rm , Material -Copper , Surface-Electro Tinned		Pcs	4			
1.4	PVC Flexible pipe	4 X 1.2 rm (40/0.19 mm)Flexible Cable		Meter	120	77	9,240	
1.4	PVC Flexible pipe	1.5"Ø		Feet	17	25	425	
1.4	PVC Flexible pipe	1"Ø (Control Cable Laying)		Feet	197	20	3,940	** EXISTING 25rm POWER CABLE WILL USE.
1.5	Saddle for Flexible pipe	1" Ø Local		Pcs	100			
1.6	Royal Plug & Screw	1.5" length		Pack	2			
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	4			
1.8	Royal Bolt	10 no.		Pcs	10			
1.9	Cable Tie	1 - 6"/8 "		Pack	2			
1.10	Cable Laying Excution Work	Control Cable Laying Excution Work BY CWPL Tourtght Basement 1 -- 90meter Outside of the Building-- 10meter Other -- 20meter		Meter	120	29	3,480	Need approval
2	Generator Earthing :							
2.1	Earthing Boring	Earthing of electrical installation with 38.1 mm (1.5") dia G.I. pipe having 6.35 mm dia holes across dia at 305 mm interval securedly bonded with washer, nuts, bolts etc. sunk upto a depth of 160 ft with GI pipe to attain earth ressisstance <1 ohm including blind socket for water pouring facility. Boring: 160 Feet, GI Pipe: 10'+10'		Job	TBA		42,000	** Client didn't finalized earthing system work yet
2.2	Earthing Copper Lead	Installation of solid cooper wire earthing lead 4 SWG in 38.1 mm dia GI pipe & termination of connection at both end .		Meter (approx)	TBA			
2.3	Earhting Block	Dimension LXWXD - 300mm X 20mm X 3mm with connection facility		Pcs	TBA			
2.4	Earthing Cable	1 X 10 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	20	100	2,000	
2.5	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs	TBA			
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Feet(Approx)	7	560	3,920	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow		Pcs	2	450	900	
3.3	Exhaust Socket	Threaded 3"dia MS Socket		Pcs	1			
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet clading.		Job	1			
3.5	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1			
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		Sq-ft	N/A			
5	Commissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolant		Liter	10	-	-	Include with DG sales
5.2	Lube oil	SAE 15 W 40		Liter	10	-	-	Include with DG sales
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	-	-	Include with DG sales
6	DG On site delivery:							
6.1	Dismantle & Shifting of Existing DG (Pramac Brand, 38kVA DG with canopy)	Dismantle of Existing Exhaust System like Silencer box, Silencer Pipe-- 10 FT, Power Cable (Only dismantle from connection terminal), Dismantle of Existing MCOS etc Shifting of Existing DG 15ft from existing location		Job	1	17,857	17,857	Need approval 15,000/-
6.2	Tempest Brand New DG Installation on Base	Installation of Tempest Brand DG with Body Building Canopy on Base		Job	1	10,714	10,714	DG already delivered at site and placed nearby DG installtion location. Need approval.
6.3	Yellow Marked			Lot	1	4,000	4,000	
				Total (Incl VAT & AIT):			102,451	

NOTE:

- ALL NECESSARY CIVIL WORK WILL DONE BY CLIENT
- Recommended to clear nearby garbage

29, 000/-

24th 15/04/16