

CROSS WORLD POWER LIMITED
BOQ OF 1X500KVA GENERATOR INSTALLATION



Client Name : Team Tex Eco Apparais Ltd Address: Amin Bazar, Savar, Dhaka

Date: 27.12.16

Gen Model:

Engine Model:

Alternator Model:

Sl No	Job Description	Technical Details/ Brand	SOS	Unit	Quantity	Unit Rate	Total Rate	Remarks
1	Electrical System:							
1.1	Generator Power Cable (35 °C Ambient on air)	4 X 2 X 1C-185 mm NYY DG To ATS		Meter	245			Power cable length may change upon the panel location and as well as cable route. Power cable, extend bus bar supply. Ladder installation and laying will done by client
1.2	Power Cable Lugs	185 mm, Material -Copper, Surface-Electro Tinned		Pcs	20	211	4,226	
1.3	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm) Flexible Cable DG to ATS		Meter	65	131	8,483	
1.4	Royal Bolts	10 no.		Pcs	10	44	435	
1.5	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	12	50	597	
1.6	PIB Tape			Pcs	3	715	2,144	
1.7	Cable Tie	L - 8"/10"		Pack	3	311	932	
2	Earthing System							
2.1	Earthing Boring	Earthing of electrical installation with 38.10 mm (1.5") dia G.I. pipe (earth electrode) having 6.35 mm dia holes across the dia at 305 mm interval securedly bonded with washer, nuts, bolts etc. sunk upto a depth of 150 ft to attain earth resistance <1 ohm including blind socket for water pouring facility.		Job	2	51,585	103,169	
2.2	Earthing Copper Strip/ Lead	Installation of solid copper wire earthing lead 2 SWG in 38.10 mm dia GI pipe & termination of connection at both end.		Meter/(App rox)	115	709	81,479	
2.3	GI pipe for Copper Lead wearing	3/4" GI Pipe with necessary fittings facilities		Meter/(App rox)	25	280	6,992	
2.4	Earthing Block / Equipotential bar	Dimension LXWXD - 300mm X 30mm X 20mm with connection facility, isolator, royal bolt etc		Pc	2	3,667	7,334	
2.5	Earthing Cable	1 X 95mm ² BYA (Green) from Earthing Copper bar to gen & equipment		Meter/(App rox)	16	1,125	17,999	
2.6	Earth cable lugs	95 mm, Material -Copper, Surface-Electro Tinned		Pcs	6	118	709	
3	Exhaust System							
3.1	Exhaust Silencer Straight Pipe	MS Pipe bore 152mm, thickness 3-4mm		Feet/(App rox)	20	1,554	31,075	
3.2	Exhaust Bends /Elbow	152mm bore Long radius 90 deg L bow		Pcs	3	1,709	5,127	
3.3	Exhaust Flange	Welding neck flange 152mm bore		Pcs	10	1,057	10,566	
3.4	Exhasut Fitting	Support made with MS angle 50X50X5 mm, nut bolt, royal bolt, U clamp etc.		Job	1	11,809	11,809	
3.5	Exhaust Heat Insulation	Insulation with Rockwool/ Glasswool (37mm) and 2-3mm aluminium sheet cladding		Job	1	10,566	10,566	
4	Cooling System							
4.1	Radiator Ducting	WXH - 5'X4.5' . L -4 Duct made with 22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth and front side louver.		Sq.ft	80	336	26,849	
5	Commissioning Material							
5.1	Radiator coolant & DM water mix	30 % Ethylene glycol 70 % DM Water		Liter	60	311	18,645	
5.2	Lube oil	SAE 15 W 40		Liter	60	522	31,324	
5.3	Battery electrolyte	Specific gravity 1.250		Liter	40	81	3,232	
6	Civil works:							
6.1	Generator foundation	Dim L X W (ft) - 13'X6' , Depth D(ft): 1.5' RCC with 10mm MS rod @ 6" C/C		Job	1	-	-	Already done

Total (BDT):

383,689

Special Discount:

13,689

Grand Total (BDT):

370,000

29/12/16
 Sp: Mr. Mohibul Haque
 20 of Material
 Installatⁿ