

**CROSS WORLD POWER LIMITED**  
**BOQ OF 500kVA GENERATOR INSTALLATION**

**Cross-world**

Ensuring Power Since 1982

Client Name : NEWEST FASHION LTD Address : SAVAR

Date: 09/10/17

Gen Model:

Engine Model :

Alternator Model :

SI No	Job Description	Tehcnical Details/ Brand	SOS	Unit	Quantity	Unit Rate	Total Rate	Remarks
1	<b>Electrical System:</b>							
1.1	Generator Power Cable (35 °C Ambient on air )	4 X 2 X 1C-240 rm NYY DG To ATS 4 X 2 X 1C-240 rm NYY MAINS To ATS 4 X 2 X 1C-240 rm NYY ATS To MAINS		Meter	83	2,780		
1.2	Power Cable Lugs	240 rm, Material -Copper, Surface-Electro Tinned		Pcs	50	270		
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm) Flexible Cable		Meter (Appx)	22	110		
1.4	Royal Bolts	10 no.		Pcs	10	35		
1.5	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	12	40		
1.6	PIB Tape			Pcs	4	600		
1.7	Cable Tie	L - 10"/12"		Pack	3	250		
1.8	Heat Shrink Tube	240 rm R/Y/B/B		Feet	8	105		
2	<b>Earthing System</b>							
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 100 ft to attain earth ressisstance <1 ohm including blind socket for water pouring facility. <b>Boring: 100' &amp; GI Pipe: 10'+10'</b>		Job	2	14,500	29,000	
2.3	Earthing Copper Strip/ Lead	Installation of solid cooper wire earthing lead 2X2 SWG in 38.10 mm dia GI pipe & termination of connection at both end.		Meter(Appx)	147	600	88,200	
2.4	Earthing Block / Equipotential bar	Dimension LXWXD - 300mm X 30mm X 20mm with connection facility, isolator, royal bolt etc		Pc	2	3,250	6,500	
2.5	Earthing Cable	1 X 240mm2 NYY from Earthing Copper bar to gen & equipment		Meter(Appx)	18	2,600	46,800	
2.6	Earth cable lugs	240 rm, Material -Copper, Surface-Electro Tinned		Pcs	6	270	1,620	
3	<b>Exhaust System</b>							
3.1	Exhaust Silencer Straight Pipe	MS Pipe bore 152mm, thickness 3-4mm		Feet(Appx)	10	1,280	12,800	
3.2	Exhaust Bends /Elbow	152mm bore Long radius 90 deg L bow		Pcs	3	1,375	4,125	
3.3	Exhaust Flange	Welding neck flange 152mm bore		Pcs	6	855	5,130	
3.4	Exhasut Fitting	Support made with MS angle 50X50X5 mm, nut bolt, royal bolt, U clamp etc.		Job	1	9,500	9,500	
3.5	Exhaust Heat Insulation	Insulation with Rockwool/ Glasswool (37mm) and 2-3mm aluminium sheet clading		Job	1	8,500	8,500	
4	<b>Cooling System</b>							
4.1	Radiator Ducting	WXH - 5'X 4' , L -18' Duct made with 22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth and front side louver.		Sq-ft	324	272	88,128	Duct will be through shade of DG room. Necessary water insulation is needed
5	<b>Comissioning Material</b>							
5.1	Radiator coolant	Havoline Premixed Coolant		Liter	60	200	12,000	
5.2	Lube oil	SAE 15 W 40		Liter	60	420	25,200	
5.3	Battery electrolyte	Specific gravity 1.250		Liter	40	65	2,600	
6	<b>DG On site delivery:</b>							
6.1	Loading /Unloading/Lifting	Generator dry weight- 3900Kg		Job	1	-	-	Free of Cost
07	<b>Civil works:</b>							
7.1	Generator foundation	Dimension L X W - 12'-2"X4'-9" Depth D-12"	CLIENT	Job	1			Clients Scope
Total (BDT) Excl VAT & AIT:							340,103	

Approved:

2,90,000/-  
 25/10/17  
 50%  
 50%  
 50%