

**CROSS WORLD POWER LIMITED
BOQ OF 1X150KVA GENERATOR**

CLIENT - TRIPPLE APPARELS LTD.

ADDRESS- Mawna, Gazipur

DATE- 29.06.17

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 Lugs	70 mm , Material -Copper , Surface-Electro Tinned		Pcs	26	75	1,950	
1.2	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm) Flexible Cable		Meter	18	122	2,196	
1.3	Flexible pipe	2.5 inner dia		Meter	40	145	5,800	
1.4	Saddle	2.5"		Pcs	100	22	2,200	
1.5	Royal Plug & Screw			Pack	2	215	430	
1.6	Royal Bolt	10 no.		Pcs	10	45	450	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	12	55	660	
1.8	PIB Tape			Pcs	1	650	650	
1.9	Cable Tie	L - 12"		Pack	3	350	1,050	
1.10	Cable Laying Charge	Cable laying, Connection & Termination of 35mm power cable 460 meter		Meter	70	70	4,900	
2	Generator Earthing :							
2.1	Earthing Boring	Earthing of electrical installation with 38.1 mm (1.5") 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 socket for water pouring facility. Boring: 100' & GI Pipe: 10'+10'		Job	1	17,500	17,500	Earthing boring location considered adjacent of the DG room
2.2	Earthing Copper Lead	Installation of solid cooper wire earthing lead 2 SWG in 38.1 mm dia GI pipe & termination of connection at both end .		Meter (Approx.)	35	658	23,030	
2.3	Earthing Block	Dimension LXWXD - 35mm X 5mm or equivalent with connection facility		Pcs	1	3,450	3,450	
2.4	Earthing Cable	1 X 16 mm BYA (Green) from Earthing Copper bar to gen neutral & equipment & ATS.		Meter (Approx.)	6	225	1,350	
2.5	Earthing Cable lugs	16 mm Material -Copper , Surface-Electro Tinned		Pcs	6	45	270	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 4", thickness 3-4mm		Feet (Approx.)	15	1,010	15,150	
3.2	Exhaust Bends/Elbow	Long radius 90 deg MS L bow 4" bore 3-4mm		Pcs	1	1,010	1,010	
3.3	Exhaust Flange	Welding neck flange 4" dia		Pcs	5	665	3,325	
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet cladding.		Job	1	10,500	10,500	
3.5	Exhasut Fitting	All bracket , support must be made with MS angle 50X50		Job	1	9,000	9,000	
4	Cooling System:							
4.1	Radiator Ducting	W X H - (2'X4'); L -3' (Approx.) As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloths, iron net mesh etc.		Sq-ft	40	315	12,600	
5	Commissioning Material:							
5.1	Radiator Coolant	Havoline Premixed Coolant		Liter	22	250	5,500	
5.2	Lube oil	SAE 15 W 40		Liter	20	485	9,700	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	75	750	
5.4	Diesel Fuel for commissioning	60% (Approx.) of total fuel tank capacity		Liter	240	92	22,080	
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting of 150kVA DG	Generator dry weight-2600 Kg	CWPL	Job	1	-	-	
7	Civil Works:							
7.3	Generator Base	Dimension (LXW)ft- (9'-0"X4'-0")ft, Depth, D- 6Inch RCC with NCF.	CLIENTS	Job	1	-	-	Clinets will do.
Total (BDT) Excl VAT & AIT:							155,501	
Special Discount:							10,885	
Grand Total (BDT) Excl VAT & AIT:							144,616	

***All the necessary civil works will be done by client with the instruction of CWPL engineer.

1/7/17
Prepared by:

07/07/17
DGM (U)

QM (SC)

CFO 2/7

CFO