

CROSS WORLD POWER LIMITED

BOQ OF 2X650KVA GENERATOR INSTALLATION



Client Name: TITAS SWEATER INDUSTRY

Address : KONABARI, GAZIPUR

Date: 11/02/2021

Sl No	Job Description	Tehcnical Details/ Brand	Scope Of Supply	Unit	Quantity	Unit Rate	Total Rate	Remarks
1	Electrical System 2X650							
1.1		4X1C (2 X 240) rm NYY Existing 600 kVA DG To Sync Panel	Client	Meter	163	-	-	All cable are new
1.2	Power Cable (35 °C Ambient on air)	4X 1C (2X300) rm NYY New DG (650kVA) to Sync Panel			188	-	-	
1.1		4X 1C-(4 X300) rm NYY Sync panel to LT Panel			78	-	-	
1.4	Control cable for sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable		Meter (Approx.)	104	-	-	
1.5	Communication shield cable	1.2 rm for DG sync(3x DG 1 to DG 2)		Meter (Approx.)	155	-	-	
1.6	PVC Flexible Pipe	1" dia		Meter	200	-	-	
1.9	Cable Tie	L - 12"		Pack	16	-	-	
1.10	Cable Laying Charge	1C-300 mm2 NYY Power Cable		Job	1	-	-	
1.11	Cable Lugs	300 rm , Material -Copper , Surface-Electro Tinned		Pcs	50	-	-	
1.11	Cable Lugs	240 rm , Material -Copper , Surface-Electro Tinned		Pcs	18	-	-	
1.12	Royal Bolts	10 no.		Pcs	20	-	-	
1.13	PIB Tape			Pcs	4	-	-	
1.14	PVC Tape	Adhesive Tape 04 color (Red/ Yellow/ Black/ Blue)		Pcs	20	-	-	
1.15	Cable Ladder	600X50 mm Made with 50x50x5 mm MS angle & 50x5 mm flatbar with painting. Support with threaded stick MS/GI rod, lock nut bolt and washe		Meter	14	-	-	
1.15		300 X 37 mm Made with 37x37x5 mm MS angle & 37x5 mm flatbar with painting. Support with threaded stick MS/GI rod, lock nut bolt and washer.		Meter	6	-	-	
2	Generator Earthing 2X650							
2.1	Earthing Boring	100 rft		Job	4	-	-	
2.2	Earthing Copper Lead for Boring	2 SWG		Meter	122	-	-	
2.3	GI Pipe	38mm dia for Boring		Meter	28	-	-	
2.4	Earthing Copper Lead termination	2 SWG		Meter	20	-	-	
2.5	Earthing Cable	1C-240rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	20	-	-	
2.6	Earhting Block	Dimension LXWXd - 300mm X 50mm X 10mm with connection facility		Pcs	2	-	-	
2.7	Earthing Cable lugs	240 rm Material -Copper , Surface-Electro Tinned		Pcs	15	-	-	
3	Exhaust System 2X650							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 8" dia , thickness 3-4mm		Meter	15	4532	67,980	
3.2	Exhaust Bends/Elbow	Long radius 90 deg L bow dia 8"		Pcs	6	2171	13,026	
3.3	Exhaust Flange	Welding neck flange 8" dia			10	1118	11,180	
3.4	Exhasut Fitting with Silencer box	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	27369	27,369	
3.5	Exhaust Heat Insulation with silencer box	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 1 mm Aluminium sheet clading.		Job	1	39112	39,112	
4	Cooling Systems 2X650					0	-	
4.1	Radiator Hot Air Ducting	WXH- 6'X6'; rft=12 Made With 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, Iron mesh etc.		Sq-ft (Approx.)	672	262	176,064	
5	Commissioning Material this items for only new DG					-	-	
5.1	Radiator premixed coolant	Havoline Premix Coolant		Liter	60	160	9,600	
5.2	Lube oil	SAE 15 W 40		Liter	60	400	24,000	
5.3	Battery electrolyte	Specific gravity 1250		Liter	20	90	1,800	
5.4	Fuel	Deisel for Test run	CLIENT	Liter				
7	DG On site delivery					-	-	
7.1	Loading /Unloading/Lifting	Generator dry weight- 4700Kg	CWPL	Job	1	-	-	New DG only
8	Civil Works					-	-	
8.1	Generator Foundation	Base dimension (LXW)ft-12'-2"X 6'-1" D-18" RCC with NCF.	CLIENT	Job	2	-	-	
Total Tk --(Excluding VAT & AIT)							370,131	

Note: Related Civil work will be done by Client as per instruction of CWPL Engineer.

HL- 3,70,000

15/2/21