

CROSS WORLD POWER LIMITED
BOQ OF 600KVA GENERATOR INSTALLATION

Cross-world

Client Name: GS SWEATER

Address: HOBIGANJ

Date: 05.02.17

Gen Model:

Engine Model:

Alternator Model:

Sl No	Job Description	Technical Details/ Brand	Scope Of Supply	Unit	Qty	Unit Rate	Total Rate	Remarks
1	Electrical System							
1.1	Generator Power Cable (30 °C Ambient on)	4 X 2 X 1C-300 mm NYY DG to ATS	CLIENT	Meter	144	-	-	GS
1.2	Power Cable Lugs	300 mm, Material -Copper , Surface-Electro Tinned		Pcs	18	350	6,300	
1.3	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm) Flexible Cable		Meter	45	105	4,725	
1.4	PVC Flexible Pipe	1" Dia		Meter	25	75	1,875	
1.5	Royal Bolt	10 no		Pcs	10	35	350	
1.6	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	12	40	480	
1.7	PIB Tape			Pcs	6	575	3,450	
1.8	Cable Tie	L - 12"/14"		Pack	4	350	1,400	
1.9	Heat Shrink Tube	R/Y/BL/B suitable for 300 mm cable		Feet	12	250	3,000	
2	Earthing System							
2.1	Earthing Boring	Earthing of electrical installation with 37 mm (1.5") dia GI pipe (earth electrode) having 6.35 mm dia holes across the dia at 305 mm interval securely bonded with washer, nuts, bolts etc. sunk upto a depth of 100 ft to attain earth resistance <1 ohm including blind socket for water pouring facility. Boring: 100' & GI Pipe: 10'x10'		Job	2	14,500	29,000	
2.2	Earthing Copper Lead	Installation of solid copper wire earthing lead 2 SWG in 37 mm dia GI pipe & termination of connection at both end		Meter (Appx)	80	580	46,400	
2.3	Earthing Block/Equipotential bar	Block Dim LXWXD- (300X60X10) mm with connection facility & Necessary Isolator, royal bolt etc for fixing at wall.		Pcs	2	3,500	7,000	
2.4	Earthing Cable	1C-300mm NYY- Green from Copper bar to gen and equipment	CLIENT	Meter (Appx)	7	-	-	GS
2.5	Earthing Cable	1C-120mm BYA- Green from Copper bar to gen and equipment	CLIENT	Meter (Appx)	7	-	-	GS
2.6	Earthing Cable lugs	300mm Material -Copper , Surface-Electro Tinned		Pcs	4	350	1,400	
2.7	Earthing Cable lugs	120mm Material -Copper , Surface-Electro Tinned		Pcs	4	225	900	
2.8	Extension Copper Bar	LXWXD- 150X50X12mm		Pcs	7	2,550	17,850	
3	Exhaust System							
3.1	Exhaust Silencer Straight Pipe	MS Pipe bore 200mm, thickness 3-4mm		Feet(Appx)	8	1,625	13,000	
3.2	Exhaust Bends /Elbow	Long radius 200mm bore 90 deg L bow		Pcs	1	1,875	1,875	
3.3	Exhaust Flange	Welding neck flange 200mm bore		Pcs	4	950	3,800	
3.4	Exhasut Fitting	With 50X50X5 mm MS Angle, flat bar, u Clamp, royal bolt, nut bolt etc		Job	1	9,500	9,500	
3.5	Exhaust Heat Insulation	Insulation with Rockwool/ Glasswool (50mm) and 26SWG aluminium sheet cladding		Job	1	8,500	8,500	
4	Cooling System							
4.1	Radiator Ducting	WXH - 6' x 5.5'; L- 4' Duct made with 22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth etc. Front louver to be made by client.		Sq-ft (Appx)	0			
5	COMMISSIONING MATERIAL							
5.1	Radiator coolant & DM Water Mix	Havoline Premixed Coolant		Liter	60	250	15,000	
5.2	Lube oil	SAE 15 W 40		Liter	65	420	27,300	
5.3	Battery electrolyte	Specific gravity 1.250		Liter	40	65	2,600	
5.4	Fuel	Diesel (For Test Run)		Liter	1000	80	80,000	GS
6	OG On site delivery							
6.1	Loading /Unloading/Lifting	Generator dry weight-4700 Kg		Job	1	-	-	
Total (BDT)							285,705	

NOTE: DG INSTALLATION RELATED CIVIL WORK MUST ENSURE BY CLIENT

GS SHALL PROVIDE

Generator Power cable item# 1.1

EARTHING CABLE ITEM# 2.4

EARTHING CABLE ITEM # 2.5

FUEL (DIESEL) FOR TEST RUN ITEM# 5.4

150,000

6/2/17