

CROSS WORLD POWER LIMITED

BOQ OF 1X65 KVA GENERATOR

CLIENT - UNIFILL GROUP			ADDRESS- MIRPUR			DATE- 19.06.2017		
GEN MODEL-		ENGINE MODEL-		ALTERNATOR MODEL-				
ELECTRICAL INSTALLATIONS								
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SOS	UOM	QTY	TOTAL RATE	REMARKS	
1	Electrical System:							
1.1	Power Cable (35°C Ambient in Air)	1C-25 rm NYY DG To ATS 1C-25 NYY MAINS To ATS 1C-25 NYY ATS to LOAD		Meter Meter Meter	N/A N/A N/A		Client already arranged these items.	
1.2	Power Cable Lugs	25 rm , Material -Copper , Surface-Electro Tinned		Pcs	18	720		
1.3	PVC Flexible Pipe	Φ2"		Meter	5	625		
1.4	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable		Meter	12	1,260		
1.5	Saddle	2"		Pcs	20	300		
1.6	Royal Plug & Screw	10 No. & 1" star		Pack	2	290		
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	4	160		
1.8	Royal Bolt	10 no.		Pcs	10	350		
1.9	Cable Tie	L - 10"		Pack	1	250		
2	Generator Earthing :							
2.1	Earthing Boring	Earthing of electrical installation with 38.1 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 resistance <1 ohm including blind socket for water pouring facility.		Job	N/A		Client already arranged these items.	
2.2	Earthing Copper Lead	Installation of solid copper wire earthing lead 2 SWG in 38.1 mm dia GI pipe & termination of connection at both end .		Meter (appx.)	N/A			
2.3	Earhting Block / Equipotential bar	Dimension 250mm X 20mm X 5mm with connection facility		Pc	1	2,500		
2.4	Earthing Cable	1 X 10rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter (approx.)	N/A			
2.5	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs	6	168		
MECHANICAL INSTALLATIONS								
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 4", thickness 3-4mm MS Pipe bore 5", thickness 3-4mm		Feet(Appx)	20 20	17,500 22,500	Exhaust discharge point upto roadside	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow, bore 4" Long radius 90 deg L bow, bore 5"		Pcs	2 1	1,750 1,000		
3.3	Exhaust Socket	Threaded 4"dia MS Socket Threaded 5"dia MS Socket		Pcs	1 1	580 710		
3.4	Reducer	5" to 4" 4" to 3"		Pcs	1 1	1,125 875		
3.5	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26 SWG Aluminium sheet cladding.		Job	1	12,500		
3.6	Exhasut Fitting	All bracket, support must be made with MS angle 50X50X 4, flat bar etc		Job	1	11,750		
4	Cooling System:							
4.1	Radiator Ducting	WXH - 2.2'X2.2', L - 4' (Approx.) As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, iron net mesh etc		Sq-ft (appx.)	36	9,720		
5	Commissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolant		Liter	10	2,000		
5.2	Lube oil	SAE 15 W 40		Liter	10	4,250		
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	650		
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight- 1000Kg	CWPL	Job	1	-	Free of Cost	
Total (BDT) Excl VAT & Al						93,533		
***All the necessary civil works will be done by client with the instruction of CWPL engineer.								

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Note:
Payment will be made before delivery of the goods.
Date 03/07/17

Signature
03/07/17

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