

CROSS WORLD POWER LIMITED **BOQ OF 1X30 KVA GENERATOR**

Comm. Mat. WD

CLIENT - Lt.Colonel Bashir		ADDRESS- H#1130,DOHS Mirpur		DATE- 27.01.19				
GEN MODEL-		ENGINE MODEL-		ALTERNATOR MODEL-				
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF SUPPLY	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
01	Electrical System:							
1.1	Power Cable (30 °C Ambient on ground)	1C 16 rm NYY DG To ATS		Meter	44	166	7304	
		1C 16 rm NYY MAIN To ATS			51	166	8466	
		1C 16 rm NYY ATS To LOAD			22	166	3652	
1.2	Power Cable Lugs	16 rm , Material -Copper , Surface-Electro Tinned		Pcs	26	11	286	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable		Meter	25	87	2175	
1.4	PVC Flexible Pipe	2" dia		Meter	17	65	1105	
1.5	Saddle For Flexible Pipe	2" dia Local		Pcs	26	7	182	
1.6	Royal Plug & Screw	1.5" length		Pack	2	171	171	
1.7	PIB Tape			Pcs	1	461	461	
1.8	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	4	29	116	
1.9	Royal Bolt	10 no.		Pcs	10	18	180	
1.1	Cable Tie	L - 8"		Pack	2	138	276	
1.11	Power Cable Laying	Power Cable Laying execution work by CWPL		Pcs	117	20	2340	
02	Generator Earthing :							
2.1	Earthing Boring	Earthing of electrical installation with 38.1 mm (1.5") dia G.I. pipe throughly (4swg 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.		JOB				Existing earthing will be used
2.2	GI Pipe	38mm dia		Meter				
2.3	Earthing Copper Lead	Installation of solid cooper wire earthing lead 4 SWG in 38.1 mm dia GI pipe & termination of connection at both end .		Meter				
2.4	Earhting Block / Equipotential bar	Dimension 250mm X 40mm X 5mm with connection facility		Pc	1	2368	2368	
2.5	Earthing Cable	1 X 10 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	17	92	1564	
2.6	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs	4	8		
03	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Meter	6	1726	10356	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3"		Pcs	2	724	1448	
3.3	Reducer/converter	2" to 3"		pcs	1	461	461	
3.4	Exhaust Socket	Threaded 3" dia MS Socket		Pcs	2	592	1184	
3.5	Exhaust Heat Insulation with silencer box	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 1 mm Aluminium sheet cladding.		Job	1	4424	4424	
3.6	Exhaust Fitting with silencer box	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	3250	3250	
04	Cooling System:							
4.1	Radiator Ducting	As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth etc WXH=2.1'X2.1' RFT=9'		Sq-ft	75	237	17775	
05	Comissioning Material:							
5.1	Radiator coolant	Havoline Premix Coolant		Liter	10	160	1600	
5.2	Lube oil	SAE 15 W 40		Liter	10	420	4200	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	90	900	
5.4	Diesel for test run	50% of tank capacity		Liter	50	75	3750	
06	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight-2600 Kg	CWPL	Job	1			
07	Civil works:							
07	Generator foundation	Dimension L X W - 8'6"X4' Depth D: 3"		JOB	1			
				TOTAL			79994	
NOTE: - All necessary civil work will done by customer.								
Final Price= 75000/-								

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Approved

Payment : 100% before delivery.

29/01/19