

CROSS WORLD POWER LIMITED
BOQ OF 1X20 KVA GENERATOR



CLIENT -MD. HOSSEN KHAN MANIK ADDRESS-NILPHAMARI				DATE- 16/08/2021				
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	Scope of Work	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:							
1.1	Power Cable (35 °C Ambient on air)	4CX10 rm NYY DG To ATS 4CX 10 rm NYY MAINS To ATS 4CX 10 rm NYY ATS to LOAD		Meter	6 5 5	827 827 827	5,040 3,780 3,780	
1.2	Cable Lugs	10 rm , Material -Copper , Surface-Electro Tinned		Pcs	26	9	236	
1.3	Control Cable for Sensing	4 X 1.2 rm (40/0.19 mm) Flexible Cable (2XDG to ATS)		Meter Approx.	12	102	1,244	
1.4	PVC Flexible Pipe	1.5" dia		Meter	15	44	674	
1.5	Saddle for flexible pipe	1.5" dia local		Pcs	40	6	227	
1.6	Royal Plug & Screw	1.5" length		Pack	4	194	775	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	4	33	131	
1.8	PIB Tape			Pcs	N/A	-	-	
1.9	Royal Bolt	10 no.		Pcs	10	20	204	
1.10	Cable Tie	L - 8"		Pack	1	156	156	
1.11	Power Cable Laying & Connection	4CX10 rm NYY Cable		Meter	N/A	60	-	
2	Generator Earthing :					-	-	
2.1	Earthing Boring	80 rft		Job	1	-	-	
2.2	Earthing Copper Lead (Boring)	4 SWG		Meter	30	-	-	
2.4	PVC Flexible Pipe	3/4" dia		Meter	3	-	-	
2.5	Saddle for flexible pipe	3/4" dia local		Pcs	3	-	-	
2.6	GI Pipe	38m dia		Meter	7	-	-	
2.7	Earthing Block	Dimension LXWXD - 200mm X 30mm X 4mm with connection facility		Pc	1	-	-	
2.8	Earthing Cable	1 X 10 rm BYA (Green) Earthing block to gen & equipment		Meter	6	-	-	
2.9	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs	5	-	-	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3", thickness 3mm		Meter	3	-	-	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3"		Pcs	1	-	-	
3.3	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool (50mm thickness) along with 26SWG Aluminium sheet cladding.		Job	1	-	-	
3.4	Exhaust Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	-	-	
4	Cooling System:					-	-	
4.1	Radiator Ducting	As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth etc WXH=2'X1', L- 5ft (Approx)		Sq-ft	N/A	-	-	Canopy hot air need to Front exit
5	Commissioning Material:					-	-	
5.1	Radiator coolant	Havoline Premix Coolant		Liter	10	170	1,700	
5.2	Lube oil	SAE 15 W 40		Liter	10	430	4,300	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	100	1,000	
6	DG On site delivery:					-	-	
6.1	Loading /Unloading/Lifting	Generator dry weight-1200 Kg		CWPL	1	-	-	
7	CIVIL WORK:					-	-	
7.1	DG Base for 30kVA DG	Base dimension LXW(ft)=8'x4.3', Depth, D- 2" CC with NCF.	Client	Job	#REF!	-	-	
TOTAL TK(Excluding VAT & AIT)							23,248	

Note: Related Civil work and Diesel Fuel for Test Run will be arranged by Client as per instruction of CWPL Engineer.

23,000F
Rajesh
Hussain