

CROSS WORLD POWER LIMITED
BOQ OF 1X30 kVA GENERATOR

CLIENT -			ADDRESS-		DATE- 23.03.2021			
GEN MODEL-		ENGINE MODEL-		ALTERNATOR MODEL-				
SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND		UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	DG Installation Materials	30 kVA DG with Canopy Test Run Installation BOQ		Lot	7	57,079	399,554	
TOTAL TK(Excluding VAT & AIT)							399,554	
Note: Related Civil work and Diesel Fuel for Test Run will be arranged by Client as per instruction of CWPL Engineer.								

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SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND		UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:							
1.1	Power Cable (35 °C Ambient on air)	4CX16 rm NYY DG To ATS		Meter	25	1,090	27,243	Client
		4CX 16 rm NYY MAINS To ATS						
		4CX 16 rm NYY ATS to LOAD						
1.2	Cable Lugs	16 rm , Material -Copper , Surface-Electro Tinned		Pcs	26	-	-	
1.3	Control Cable for Sensing	4 X 1.2 rm (40/0.19 mm) Flexible Cable (2XDG to ATS)		Meter	20	-	-	
1.4	PVC Flexible Pipe	1.5" dia		Meter	25	-	-	
1.5	Saddle for flexible pipe	1.5" dia local		Pcs	25	-	-	
1.6	Royal Plug & Screw	1.5" length		Pack	1	-	-	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	8	-	-	
1.9	Royal Bolt	10 no.		Pcs	10	-	-	
1.10	Cable Tie	L - 8"		Pack	1	-	-	
1.11	Power Cable Laying & Connection	4CX16 rm NYY Cable		Meter	25	-	-	
2	Generator Earthing :						-	
2.1	Earthing Boring	80 rft		Job	N/A		-	
2.2	Earthing Copper Lead (Boring)	4 SWG		Meter			-	
2.6	GI Pipe	38m dia		Meter			-	
2.3	Earthing Cable (Termination)	1 X 10 rm BYA (Green) Earthing pit to Termination Bar		Meter			-	
2.7	Earthing Block	Dimension LXWXD - 200mm X 30mm X 4mm with connection facility		Pc			-	
2.9	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs			-	
3	Exhaust System:						-	
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3", thickness 3mm		Meter	N/A		-	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3"		Pcs			-	
3.3	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool (50mm thickness) along with 26SWG Aluminium sheet clading.		Job			-	
3.4	Exhaust Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job			-	
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	160	1,600	
5.2	Lube oil	SAE 15 W 40		Liter	10	420	4,200	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	90	900	
5.4	Diesel	For Test Run		Liter	85	75	6,375	
6	DG On site delivery:						-	
6.1	Loading /Unloading/Lifting	30 Kva DG with body canopy need to shifting from Army Stadium to CMS (IRS) for 12 hours load test then it shall be return to previous location (Army Stadium). At a time 3 sets or 2 sets DG can be shifted .		Job	1	16,761	16,761	
7	CIVIL WORK:						-	
7.1	DG Base for 30kVA DG	Base dimension LXW(ft)=8'x4.3', Depth, D- 4" RCC with NCF.		Job	1		-	Client
TOTAL TK(Excluding VAT & AIT)							57,079	

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