

CROSS WORLD POWER LIMITED

BOQ OF 1X65 KVA GENERATOR

CLIENT - RAJANIGANDHA

ADDRESS- Mohammadpur, Dhaka.

DATE- 23.01.20

GEN MODEL- PS65

ENGINE MODEL- 1104A-44TG1

ALTERNATOR MODEL- UC1224F, 50 Hz

SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:							
1.1	Power Cable (35 °C Ambient on air)	1C-25 mm NYY DG To ATS 1C-25 mm NYY Mains To ATS 1C-25 mm NYY ATS to Load	CLIENT	Meter	92 28 65	277 277 277		
1.2	Power Cable Lugs	25 mm , Material -Copper , Surface-Electro Tinned		Pcs	24	18	432	
1.3	Control cable For Sensing	4 X 1.2 mm (40/0.19 mm)Flexible Cable	CLIENT	Meter	4.7	87		
1.4	PVC Flexible pipe	2.5" dia		Meter	24	95	2280	
1.5	Saddle for flexible pipe	2.5" dia local		pcs	45	8	360	
1.6	Royal Plug & Screw	1.5"		Pack	2	171	342	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	4	29	116	
1.8	Royal Bolt	10 no.		Pcs	10	18	180	
1.9	Cable Tie	L - 8"		Pack	2	138	276	
1.10	Power Cable Laying	1C-25mm NYY power cable 1C-16mm BYA power cable	CLIENT	Meter	92 39	24 20		
2	Generator Earthing :							
2.1	Earthing Boring	80 rft	CLIENT	Job	1	5789		
2.2	Earthing Copper Lead	2 SWG	CLIENT	Meter	25	419		
2.3	GI Pipe (Boring)	38mm dia	CLIENT	Meter	12	483		
2.4	Earthing Block	Dimension LXWXD - 200mm X 30mm X 4mm with connection facility	CLIENT	Pc	1	1974		
2.5	Earthing Cable	1 X 16 mm BYA (Green) from Earthing Copper bar to gen & equipment	CLIENT	Meter	39	160		
2.6	Earthing Cable lugs	16 mm Material -Copper , Surface-Electro Tinned		Pcs	8	11	88	
3	Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Meter	5	1726	8630	
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3"		Pcs	1	724	724	
3.3	Exhaust Socket	Threaded 3"dia MS Socket		Pcs	1	592	592	
3.4	Exhaust Heat Insulation with silencer box	Insulation Of Pipe with Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet cladding.		Job	1	4564	4564	
3.5	Exhaust Fitting with silencer box	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	3476	3476	
4	Cooling System:							
4.1	Radiator Ducting	As per layout with 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth etc WXH=2.5'X2' rft=5'		Sq-ft	45	237	10665	
5	Commissioning Material:							
5.1	Radiator coolant	Havoline premix coolant		Liter	15	160	2400	
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	100	75	7500	
6	DG On site delivery:							
6.1	Loading /Unloading/Lifting	Generator dry weight-2200 Kg	CWPL	Job	1	-	-	
7	Civil work							
7.1	Required DG base	Base dimension LXW(ft)=10'6"x5', Depth, D- 5" RCC with NCP.	CLIENT	job	1	-	-	Atread done.
7.2	East side Wall Punch for Hot Air	Dimension (HXW)ft- (3x3)ft.	CLIENT	job	1	-	-	
TOTAL TK (Excluding VAT & AIT)						47725		

NOTES: All the necessary civil works and Diesel Fuel will be arranged by client with CWPL engineer instruction.

225K
= 47,500K

30/01/2020

Amro Gajam
Gajam
30/01/2020