

CROSS WORLD POWER LIMITED

BOQ OF 1X42.5 kVA GENERATOR

CLIENT - A.K.M MASUDUR RAHMAN

ADDRESS- SECTOR-11, ROAD-19, UTTARA,DHAKA

DATE- 20-02-18

GEN MODEL-

ENGINE MODEL-

ALTERNATOR MODEL-

ELECTRICAL INSTALLATIONS

SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF SUPPLY	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System:							
1.1	Power Cable (35 °C Ambient on air)	4C-16 rm NYY DG To ATS		Meter	8	975	7800	Quantity may vary upon the laying route as well as panel position
		4C-16 rm NYY Mains To ATS			6	975	5850	
		4C-16 rm NYY ATS to Load			6	975	5850	
1.2	Power Cable Lugs	16 rm , Material -Copper , Surface-Electro Tinned		Pcs	26	14	364	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable		Meter (Appx)	20	95	1900	
1.4	PVC Flexible pipe	3"Ø		Meter (Appx)	20	245	4900	
1.5	Saddle for Flexible pipe	3" Ø Local		Pcs	25	8	200	
1.6	Royal Plug & Screw	10 No. & 1" star		Pack	2	177	354	
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	4	50	200	
1.8	Royal Bolt	10 no.		Pcs	10	30	300	
1.9	Cable Tie	L - 10"/12 "		Pack	1	166	166	
1.10	Cable Laying	16 rm NYY Power Cable Laying		Meter	N/A	0	0	
2	Generator Earthing :						0	
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.	CLIENT	Job	N/A	0	0	Already done by customer
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	N/A	0	0	
2.3	Earthing Block	Dimension LXWxD - 250mm X 30mm X 3mm with connection facility		Pcs	1	2500	2500	
2.4	Earthing Cable	1 X 10 rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	10	120	1200	
2.5	Earthing Cable lugs	10 rm Material -Copper , Surface-Electro Tinned		Pcs	6	10	60	
3	Exhaust System:						0	
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 3" ,thickness 3-4mm		Feet(Appx)	15	545	8175	

Seventy Five Thousand mms.

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3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow 3" dia	Pcs	1	544	544
3.3	Exhaust Socket/Flange	Threaded 3"dia MS Socket	Pcs	2	476	952
3.4	Exhaust Heat Insulation with silencer box	Insulation Of Pipe & Silencer Box with Rockwool (25.4mm min thickness) along with 26 SWG Aluminium sheet cladding.	Job	1	3425	3425
3.5	Exhasut Fitting with silencer box	All bracket, support must be made with MS angle 50X50X 4, flat bar etc	Job	1	4521	4521
4	Cooling System:					
4.1	Radiator Ducting	Dimension (HxW)/ft- (2X3)ft, Running Length, L- 8ft (Approx) As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, iron net mesh etc.	Sq-ft	80	247	19726
5	Commissioning Material:					0
5.1	Radiator coolant	Havoline Premix Coolant	Liter	10	200	2000
5.2	Lube oil	SAE 15 W 40	Liter	10	440	4400
5.3	Battery electrolyte	Specific gravity 1250	Liter	10	65	650
5.4	Diesel Oil		Liter	50	80	4000
6	DG On site delivery:					0
6.1	Loading /Unloading/Lifting	Generator dry weight-1000 Kg; Static Weight-1200Kg and Dynamic Weight-1800Kg	CWPL	1	0	0
7	Civil works:					
7.1	Generator foundation	Dimension L X W - 10' X 5' Depth D: 3" (CC)	Client	Job	1	0
Total TK (Excl VAT & AIT)					80,036.23	
					0	

N.B: All necessary civil work will done by client.

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