

sp: Mr. Sohel Ullah

**CROSS WORLD POWER LIMITED
BOQ OF 1X42.5 KVA GENERATOR**

CLIENT - JAT HOLDING LTD

ADDRESS- Vill-Vakum, Hemayetpur, Shinghair Road,

DATE- 13-02-18

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 mm NYY DG To ATS 4C-16 mm NYY Mains To ATS 4C-16 mm NYY ATS to Load		Meter	10 6 6	860 860 860	8598 5159 5159	Quantity may vary upon the laying route as well as panel position
1.2	Power Cable Lugs	16 mm , Material -Copper , Surface-Electro Tinned		Pcs	26	14	364	
1.3	Control cable For Sensing	4 X 1.2 mm (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 mm 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	1	0	0	Customer will done this items
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	35	0	0	
2.3	Earthing Block	Dimension LXWDXD - 250mm X 30mm X 3mm with connection facility		Pcs	1	2550	2550	
2.4	Earthing Cable	1 X 10 mm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	10	104	1039	
2.5	Earthing Cable lugs	10 mm 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	550	8250	
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	4452	4452	Considering 15 ft Silencer pipe with Silencer Box
3.5	Exhasut Fitting with silencer box	All bracket, support must be made with MS angle 50X50X 4, flat bar etc		Job	1	2740	2740	Considering 15 ft Silencer pipe with Silencer Box
4	Cooling System:						0	
4.1	Radiator Ducting	Dimension (HxW)/ft- (2X3)ft, Running Length, L- 3ft (Approx) As per layout with 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, iron net mesh etc.		Sq-ft	35	274	9589	
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	436	4360	
5.3	Battery electrolyte	Specific gravity 1250		Liter	10	62	620	
5.4	Diesel Oil			Liter	N/A	0	0	
6	DG On site delivery:						0	
6.1	Loading /Unloading/Lifting	Generator dry weight-1000 Kg; Static Weight-1200Kg and Dynamic Weight-1800Kg	CWPL	Job	1	0	0	
7	Civil works:						0	
7.1	Generator foundation	Dimension L X W - 2000mm X 1000mm Depth D: 75mm (CC)	Client	Job	1	0	0	Already given instruction their civil Engineer

Total TK (Excl VAT And AIT)

64,455.57

Approved Amount (Excl VAT & AIT):

60,000

* Payment: 100% after commissioning.

Attest
01/03/18