

Ref: QIL/2020/4967

Date: December 02, 2020

To
Managing Director
Cross World Ltd.
H: NE(O) 06, R: 92
Gulshan-2, Dhaka

Kind Attn. Mr. Ariful Islam, Manager-Sales

Subject: Work order for Supply, Installation and commissioning of 650 KVA Generator.

Dear Sir

Reference to your offer dated 21.11.2020 and subsequently discussion with you, we are pleased to place a work order for the item mentioned below:

1. Scope of Supply and works. :
 - a. Earthling Boring (including Materials) 02 jobs with necessary Test Report.
 - b. Earthling Block : Dimension (LXWXD) 300X50X10MM with connection facility - 02 Pcs
 - c. Exhaust Silencer straight Pipe- MS Pipe bore 200 mm, thickness 3-4mm- 05 Meter
 - d. Exhaust Bends/Elbow- Long radius 90 deg L bow dia 200 mm Bore -01 pcs
 - e. Exhaust Flange – 05 pcs, f. Exhaust Fitting with Silencer box – 01 Job, g. Exhaust Heat Insulation with 1 nos Silencer Box -01 Job h. Radiator Hot Air Ducting – 120 sft
 - i. Radiator premixed coolant – 60 ltr, J. Battery electrolyte – 20 ltr
Details of specification as per offer
4. Total Price : Tk. 1,35,684/- (Including VAT)
(Amount may very depends on supply quantity)
5. Delivery & Installation : By 07 December 2020 at our Gorai, Tangail Factory.
6. Payment : Within 15 days After delivery & Successful Installation.


Vat Registration Number: 001017253-0406
Quasem Industries Ltd. Gorai, Mirzapur, Tangail

Other Terms & Condition:

- Price is including VAT as per Gov. Rules & Requirements.(Supplier should provide VAT challan to the buyer).
- AIT will be deducted as per Gov. Rules & regulation from total the bill & payment. (Buyer should provide the AIT challan to the supplier).
- **Earthling Boring Test report is must.**

Thanking you

For Quasem Industries Ltd.



Md. Mohsin Ali
AGM, Procurement

CROSS WORLD POWER LIMITED BOQ OF 1X650kVA GENERATOR INSTALLATION Client Name: Quasem Industries Ltd. Gen Model:								
Address : Tangail Engine Model :			Date: 21.09.2020 Alternator Model :					
SI No	Job Description	Tehcnical Details/ Brand	Scope Of Supply	Unit	Quantity	Unit Rate	Total Rate	Remarks
1	Electrical System for 1X650 :							
1.1	Generator Power Cable (35 °C in air)	8X1C -240 mm2 NYY DG to ATS 8X1C -240 mm2 LT TO ATS 8X1C -240 mm2 ATS to LOAD	Quasem Industries	Meter	122		-	
					37		-	
					37		-	
					30		-	
1.2	Control cable For Sensing	4CX 1.2 rm (40/0.19 mm) Flexible Cable		Meter	N/A	-		Existing cable trench will used
1.3	Cable Ladder	300 X 50 mm Made with 37x37x5 mm MS angle & 37x5 mm flatbar with painting. Support with threaded stick MS/GI rod, lock nut bolt and washer.						
1.4	Cable Laying Charge	1X240 mm2 NYY Power Cable			195		-	
1.5	Cable Tie	L - 12"		Pack	5		-	
1.6	PIB Tape			Pcs	2		-	
1.7	Royal Bolts	10 no.		Pcs	10		-	
1.8	PVC Tape	Adhesive Tape 04 color (Red/ Yellow/ Black/ Blue)		Pcs	12		-	
1.9	Cable Lugs	240 rm , Material -Copper , Surface-Electro Tinned		Pcs	50		-	
2	Generator Earthing for 1X650:							
2.1	Earthing Boring	Earthing of electrical installation with 38.1 mm (1.5") dia G.I. pipe throughly (2swg earth electrode) having 6.35 mm dia holes across dia at 305 mm interval securedly bonded with washer, nuts, bolts etc. sunk upto a depth of 100 ft with GIP pipe.	Cross World	Job	2	7,237	14,474	
2.7	Earhting Block	Dimension LXWXD - 300mm X 50mm X 10mm with connection facility		Pcs	2	3,684	7,368	
2.2	Earthing Copper Lead	Installation of solid cooper wire earthing lead 2 SWG in 38.1mm dia GI pipe & termination of connection at both end .	Quasem Industries	Meter	60		-	
2.2	Earthing Copper Lead for termination	Boring to copper bar (inside of DG room)		Meter	37		-	
2.3	GI Pipe	38mm dia GI pipe		Meter	14		-	
2.5	PVC Flexible pipe for earthing	3/4" inner dia		Meter	37		-	
2.7	Earhting Block	Dimension LXWXD - 300mm X 50mm X 10mm with connection facility		Pcs	2		-	
2.8	Earthing Cable	1 X 120 mm2 BYA (Green) from Earting boring to Copper bar to gen & equipment for 1X650 Kva		Meter	12		-	
2.9	Earthing Cable lugs	120 rm Material -Copper , Surface-Electro Tinned		Pcs	12		-	
3	Exhaust System for 1X650:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 200 mm , thickness 3-4mm	Cross World	Meter	5	4,532	22,660	
3.2	Exhaust Bends/Elbow	Long radius 90 deg L bow dia 200 mm Bore		Pcs	1	2,171	2,171	
3.3	Exhaust Flange	Welding neck flange 200 mm Bore		Pcs	5	1,118	5,590	
3.4	Exhasut Fitting with Silencer box	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	16,579	16,579	
3.5	Exhaust Heat Insulation with 1 nos silencer box	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 1 mm Aluminium sheet clading.		Job	1	24,002	24,002	
4	Cooling Systems for 1X650:							
4.1	Radiator Hot Air Ducting	WXH- 6'X6'; rft=-5'; Made With 22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, Iron mesh etc for 1X650 Kva.		Sq-ft (Approx.)	120	262	31,440	
5	Commissioning Material for 1X650:							
5.1	Radiator premixed coolant	Havoline Premix Coolant	Cross World	Liter	60	160	9,600	
5.2	Lube oil	SAE 15 W 40	Quasem Industries	Liter	60		-	
5.3	Battery electrolyte	Specific gravity 1250	Cross World	Liter	20	90	1,800	
6	DG On site delivery for 1X650:							
6.1	Loading /Unloading/Lifting	Generator dry weight- 4700Kg for 650Kva		Job	1			
7	Civil Works for 1X650:							
7.1	Generator Foundation for 650Kva	Base dimension (LXW)ft-....ft, D-...." RCC with NCF.	Quasem Industries	Job	1	-		As per provided drawing
TOTAL TAKA.(Excluding VAT & AIT)							135,684	

Note: Related Civil work will be done by others (civil vendor) as per design of CWPL.