

Construction of 7-storied Industrial (Garments) Building for Mac-Tex Industries Ltd at Gazipur Sadar, Gazipur.

Bill of Quantities for 1x600KVA (prime) and 1x400KVA (prime) Diesel Generator

Sl. No	Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
1	2	3	4	5	6 = 3 x 5
1	DIESEL GENERATOR				
1.1	Supply of 1x600 KVA (Prime rating) 415V, 50 Hz, P.f. 0.8, 3-phase 4-wire diesel generators having auto start, auto synchronization, auto load sharing and auto load depending sequencing facilities for parallel operation including battery, battery charger, base mounted fuel tank, control cabling for synchronizing panel etc. CFR Chittagong	1	Lot	GBP 44,750	GBP 44,750
1.2	Supply of 1x400 KVA (Prime rating) , 415V, 50 Hz, P.f. 0.8, 3-phase 4-wire diesel generators having auto start, auto synchronization, auto load sharing and auto load depending sequencing facilities for parallel operation including battery, battery charger, base mounted fuel tank, control cabling for synchronizing panel etc. CFR Chittagong	1	Lot	GBP 32, 750	GBP 32, 750
1.3	1 no. 1600 A 4P (locally assembled) auto-changeover/auto-transfer switch (ATS),	1	set	838,500	838,500
1.4	Installation & Commissioning of Genset	1	Lot	473,000	473,000
1.5	Spare Parts during Warranty period	1	Lot	258,000	258,000
1.6	Supply, installation, testing and commissioning of locally assembled Generator Panel/Synchronizing Panel consisting of 2000A TPN&E copper busbar, 1 nos. 1250A TP ACB in outgoing side including digital metering, indicating lamp, control cable and all other necessary accessories to complete the job as per design, drawing, specification and direction of Engineer-in-Charge. The components of the panel shall be manufactured and tested in EU countries/USA/Japan.	1	Lot	451,500	451,500
2	EARTHING				
3.1.	Earthing the electrical installation with 38.10 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 2 SWG HDDB earth lead with washer, nuts, bolts etc. sunk upto undermentioned depth and protection of earth lead by 20mm mm (3/4") dia G.I. pipe upto plinth level run at a depth of 609.6 mm (2 ft.) below G.L. upto main board to be earthed including necessary connecting copper sockets, bolts, nuts including additional vertical run of 12.7 mm dia G.I. pipe upto G.L. from 609.6 mm (2') depth with blind socket for water pouring facility etc. complete for maintaining earth resistance less than 1 ohm.	4	Set	25,734	102,935

Accepted

MAC-TEX INDUSTRIES LTD.

29.08.17

DIRECTOR

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Sl. No	Description	Quantity	Unit	Unit Rate (BDT)	Total Amount (BDT)
1	2	3	4	5	6 = 3 x 5
3.2	Construction of Earth inspection pit inside measurement 600mm x600mm with 250mm thick brick in cement mortar (1:4) with 100mm thick RCC top slab (1:2:4) with 1% re-inforcement 450mm dia water sealed CI man hole cover with locking arrangement including necessary earth works,site filling and one brick flat soling 75mm thick (1:3:6) base concrete for making inlet channel & 12mm thick (1:2) cement plaster with neat finishing etc. all complete up to a depth of .75 meter.	4	Set	10,866	43,465
3.3	Providing and drawing NO.2 SWG HDBC wire through 19mm (3/4") dia G.I. pipe including fitting, fixing the G.I. pipe in wall/column/floor complete as required. The rate includes the supply & installation of a copper earthing block of size 30"x2.5"x3/4" (approx. as required) to be installed on sub-station/generator room wall using suitable insulator.	150	Meter	1,097	164,475
Total :		Foreign Part: Total Cost and Freight (CTG) in GBP 77,500 Local Part: Total Cost in BDT 2,331, 875 Excluding VAT & AIT			



Accepted
 MAC-TEX INDUSTRIES LTD.
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CROSS WORLD POWER LTD.



Payment Terms for Imported Items : 100% payment to be made through irrevocable confirmed L/C to be opened in favour of Allam Marine Limited, Wyke Way, Melton, Hull, HU14 3BQ, England .

Payment Terms for Local Items : 25 % with Work order , 60 % after after delivery of equipment at site & 15% after commissioning of equipment .

VALIDITY : This offer is valid for 30 days from the date of this offer.

We hope the above offer is acceptable to you and we look forward to your valued work order in our favour. Should you require further information or discussion, please feel free to contact the undersigned .

Sincerely

Md. Ariful Islam

Manager , Sales



Accepted

MAC-TEX INDUSTRIES LTD.

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29-08-17

.....DIRECTOR

BOQ OF 600KVA & 400KVA GENERATOR INSTALLATION

Sl No	Job Description	Tehcnical Details/ Brand	Unit	Quantity	Unit Sale	Total Sale	Remarks
3	Exhaust System for 600 & 400 kva:						
3.1	Exhaust Silencer Pipe	MS Pipe bore 200 mm , thickness 3-4mm for 600kva	Feet (Approx.)	45	BDT 1,409.00	BDT 63,405.12	
		MS Pipe bore 152 mm , thickness 3-4mm for 400kva	Feet (Approx.)	45	BDT 1,274.81	BDT 57,366.54	
3.2	Exhaust Bends/Elbow	Long radius 90 deg L bow dia 200 mm Bore	Pcs	3	BDT 1,945.77	BDT 5,837.30	
		Long radius 90 deg L bow dia 152 mm Bore	Pcs	3	BDT 1,274.81	BDT 3,824.44	
3.3	Exhaust Flange	Welding neck flange 152 mm Bore	Pcs	10	BDT 1,006.43	BDT 10,064.30	
		Welding neck flange 200 mm Bore	Pcs	10	BDT 1,476.10	BDT 14,760.98	
3.4	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26swg Aluminium sheet cladding.	Job	2	BDT 27,173.62	BDT 54,347.25	
3.5	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM	Job	2	BDT 21,135.04	BDT 42,270.08	
4	Cooling Systems for 600 & 400 kva:						
4.1	Radiator Duct for 600Kva	WXH- 5'X5'; L-4'; Made With 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, Iron mesh etc for 600 Kva.	Sq-ft (Approx.)	90	BDT 268.38	BDT 24,154.33	
4.2	Radiator Duct for 400Kva	WXH- 4'X4'; L-4'; Made With 20/22 SWG MS sheet,Angle bar, flat bar support,Canvas cloth, Iron mesh etc for 400 Kva.	Sq-ft (Approx.)	70	BDT 268.38	BDT 18,786.70	
5	Commissioning Material for 600 & 400 kva:						
5.1	Radiator-premixed coolant	Havoline Premix Coolant	Liter	113	BDT 78.04	BDT 8,818.80	
5.2	Lube oil	SAE 15 W 40	Liter	102	BDT 420.23	BDT 42,863.34	
5.3	Battery electrolyte	Specific gravity 1250	Liter	40	BDT 60.03	BDT 2,401.31	
5.4	Fuel for 8Hr operation	For 600 & 400 Kva DG	Liter	1520	BDT 81.64	BDT 124,099.59	
7	Civil Works for 600 & 400 kva:						
7.1	Generator Foundation for 600Kva	Base dimension (LXW)ft- (13'X7')ft, D-16" RCC with NCF.	Job	1	Mac Tex Scope	Mac Tex Scope	
7.2	Generator Foundation for 400Kva	Base dimension (LXW)ft- (12'X5'-6")ft, D-14" RCC with NCF.	Job	1	Mac Tex Scope	Mac Tex Scope	
Total						BDT 473,000.08	



Accepted
MAC-TEX INDUSTRIES LTD.
[Signature]
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.....**DIRECTOR**

CROSS WORLD POWER LTD.



600kVA GENSET SPARE PARTS & CONSUMABLE MATERIALS FOR 2 (TWO) YEARS							
SL No	Spares Type	Spares/Consumables Name	UOM	Total Qty	Unit Sale	Total Sale	Remarks
1	RMS	Air Filter	Pcs	2	BDT 41,566.67	BDT 83,133.33	After every 500 hrs./ 1 years
2	RMS	Fuel Filter	Pcs	4	BDT 8,600.00	BDT 34,400.00	After Every 500 hrs./ 1 year
3	RMS	Lube Oil Filter	Pcs	2	BDT 7,166.67	BDT 14,333.33	After Every 500 hrs./ 1 year
		Total			Total	BDT 131,866.67	
400kVA GENSET SPARE PARTS & CONSUMABLE MATERIALS FOR 2 (TWO) YEARS							
SL No	Spares Type	Spares/Consumables Name	UOM	Total Qty			Remarks
1	RMS	Air Filter	Pcs	2	BDT 38,700.00	BDT 77,400.00	After every 500 hrs./ 1 years
2	RMS	Fuel Filter	Pcs	4	BDT 8,600.00	BDT 34,400.00	After Every 500 hrs./ 1 year
3	RMS	Lube Oil Filter	Pcs	2	BDT 7,166.67	BDT 14,333.33	After Every 500 hrs./ 1 year
		Total			Total	BDT 126,133.33	

Grand Total BDT 258,000.00

Accepted
 ALAC-TEX INDUSTRIES LTD.
DLB
 29.08.17
DIRECTOR

