



# Maheen Accessories Ltd.

Office : Ahmed Mansion (1st Floor) 24, Shantinagar (Chamelibagh), Dhaka- 1217  
Bangladesh. Contact No.: +88 01711690092 E-mail : tomal@maheendizaynetiket.com

Date: 02.01.2018

Cross world Power Limited  
Plot: 1/B, Road # 90, Gulshan-2  
Dhaka, Bangladesh

Kind Attn: Mr. Sohel Uddin Bhuiyan ( Manager Sales )

**Sub: Work Order for 650 KVA Diesel generator commissioning with Earth Boring & Radiator Duct at Maheen Accessories Ltd.**

Ref: as per 14.11.17 mail date on 02.01.18

With reference to the above subject and discussions that we had with your good self, we are pleased to release our work order. Working site is in our Maheen Accessories Ltd. Dashergaon, Bandar, Narayanganj, under the following terms and conditions:

## Description of works:

SI No	Job Description	Tehcnical Details/ Brand	SOS	Unit	Quantity	Unt Rate	Total Rate
<b>1 Electrical System:</b>							
1.1	Generator Power Cable (30 °C in Ground )	8 X 1C X 240 rm NYY DG1 to DG SYNC Panel (GCP)					
		8 X 1C X 240 rm NYY DG2 to DG SYNC Panel (GCP)					
		8 X 1C X 240 rm GCP to ATS					
		8 X 1C X 240 rm LT to ATS					
		8 X 1C X 240 rm ATS to LT					
1.2	Cable Laying and execution works	Total cable running length- 1X400rm NYY Power Cable- 320 (Meter)	CWPL	Meter	320	116	37,120
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm) Flexible Cable Length, L- 2XDG to ATS	CWPL	Meter (Approx.)	45	110	4,950
1.4	DG Shielded Cable	120Ω Resistance Shielded Cable 1.2 rm 1 Pair	CWPL	Meter	20	350	7,000
1.5	Cable Lugs	400 rm , <b>Material</b> -Copper , <b>Surface</b> -Electro Tinned		Pcs	48	370	17,760
1.6	Royal Bolts	12 no.		Pcs	6	35	210
1.7	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	16	40	640
1.8	PIB Tape			Pcs	2	600	1,200
1.9	Cable Tie	L - 10"/12"		Pack	2	250	500



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1.13	Heat Shrink Tube						
	Red	For 400rm Power Cable		Meter	6	458	2,748
	Yellow				6	458	2,748
	Blue				6	458	2,748
	Black				6	458	2,748
	Green				3	458	1,374
2 Generator Earthing :							
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 min. 100 ft to attain earth ressistance <1 ohm including blind socket for water pouring facility. Boring: 100' & GI Pipe: 100' Each		Job	3	32,450	97,350
2.2	Earthing Copper Strip/Lead	Maheen will supply only of solid cooper lead <b>2X2 SWG</b>	Client	Meter(Ap prox)	202		
2.3	Earhting Block / Equipotential bar	Dimension ( <b>As Std.</b> )mm or equivalent with connection facility		Pc	1	3,500	3,500
2.4	Earthing Cable	<b>1 X 400mm2</b> BYA(Green) from Earthing Copper bar to gen & equipment	Client	Meter(Ap prox)	25		
2.5	Earth cable lugs	<b>400 rm</b> ,Material -Copper , <b>Surface</b> -Electro Tinned		Pcs	7	370	2,590
3 Exhaust System:							
3.1	Exhaust Silencer straight Pipe	MS Pipe bore 8" ,thickness 4mm		Feet(Appr ox)	15	1,450	21,750
3.2	Exhaust Bends /Elbow	Long radius 90 deg L bow		Pcs	2	1,905	3,810
3.3	Exhaust Flange	Welding neck flange 8" bore		Pcs	6	1,170	7,020
3.4	Exhasut Fitting	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM		Job	1	10,500	10,500
3.5	Exhaust Heat Insulation	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26swg Aluminium sheet clading.		Job	1	8,500	8,500
4 Cooling System:							
4.1	Radiator Ducting for Hot Air	As per layout with 20/22 SWG MS sheet,Angle bar, flat bar, iron net mesh, support,Canvas cloth etc Duct dim. (WXH)ft- (5.9X4.9)ft, Running Length, L- 5ft (Approx.)		sft (Approx.)	108	272	29,376
5 Commissioning Material for New 1X650kVA DG:							
5.1	Radiator Premix Coolant	Havoline		Liter	70	200	14,000



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5.2	Lube oil	SAE 15 W 40		Liter	60	425	25,500
5.3	Battery electrolyte	Specific gravity 1.250		Liter	40	65	2,600
<b>6 DG On site delivery:</b>							
6.1	Loading /Unloading/Lifting	Generator dry weight-3900 Kg (Open)		Job	N/A		
<b>7 Civil Works:</b>							
7.1	DG Base	Base Dimension (LXW)ft- (13.1X7.1)ft, Depth, D- 12Inc	Client	Job	N/A		
7.2	Punch for Fresh Air Inlet	Dimension (WXH)ft- (4X2)ft	Client	Job	N/A		
7.3	Punch For Hot Air Exhaust	Dimension (WXH)ft- (6X5)ft	Client	Job	N/A		
						<b>Total (BDT) Excl VAT &amp; AIT:</b>	<b>308,242</b>

**Contract value is 3,08,242 BDT & Above rate is Excluding VAT & AIT**

Contract value for Complete work Three lack eight thousand two hundred forty two taka only

Work completion and Project handover: Completion time 7 days.

## TERMS AND CONDITIONS.

**1) Payment Terms:** All payments shall be done through A/C Payee cheque.

- Advance payment 70 % 2,15,769 tk.
- Balance amount will be paid After complete the work.

## 2) Quality & Measurement:

For works: Quality of work shall be checked & verified by our Engineer & consultant. All bills shall be paid as per actual measurement & on recommendation of consultant. Any deviation in this regard shall not be allowed. Any defaults in quality& in execution of work shall be adjusted in monetary value against payments.

**3. Safety & Security:** The contractor should ensure safety measure in execution of contract and responsible for any safety & security matters related with this works.

Contract Person : Mr. Mahmud Hassan Titu, Cell No. 01708130916

Thanking you,  
Yours truly,  
For Maheen Accessories Ltd.

S M Shawon Mahmud  
General Manager  
Business Operation





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**Contractor declaration.**

I hereby declare that, I have gone through all the individual elements of above terms and conditions of work order and contract with full conscious. Maheen Accessories Ltd. has the right to execute all the terms and conditions as laid down in their work order and contract and we will abide by those terms and conditions.

For.

Cross world Power Limited

Mr. Sohel Uddin Bhuiyan

Manager Sales