

Ref: MAHL/Mech/HO/Work-order/2018- ⁻¹⁻ 2119

October 14, 2018

Managing Director
Cross World Power Ltd.,
House # NE(O) 06, Road # 92,
Gulshan-2, Dhaka-1212

E-mail: sohel@cross-world.com

Atten.: Md. Sohel Uddin Bhuiyan (Manager, Sales & Marketing)

Subject: Work Order for Commissioning of 2 Units of 250 KVA Parkins Generator at our Mir Onix project, Dhanmondi.

Dear Sir,

With reference to your quotation dated **September 1, 2018** for commissioning of **2 units of 250 KVA** of Parkings Generators together with all components as mentioned in your quotation above and subsequent discussion between you & our C. E. E Mr. Aminul Islam, Mir Akhter Hossain Ltd. hereby issue work order to you for commissioning Generators set for our **Mir Onix project, Dhanmondi** on the basis of the quotations & documents provided from your end under the following mutually agreed terms & conditions:-

Description of the supply items are mentioned in your quotation which is attached herewith as a part of the work order.

2. Commencement of supply, erection, commission and installation work:

You shall be responsible for the supply, delivery and commissioning works of **2 Units 250 KVA Diesel Generators** immediately after getting the work order & shall complete all the relevant works within **3 (Three)** weeks from the date of work order.

After compilation of all relevant works you shall hand over the **2 Units 250 KVA Diesel Generators** to our reprehensive in good running condition after giving trial run of the same and arrange for training of the personnel of the buyer for smooth operation of the Generators set at our project site.

3. Price:

The total price for the complete commissioning of the **2 units of 250 KVA Diesel Generators** (Excluding VAT & AIT) has been fixed at **Tk.=3,90,000.00/-(BDT Three Lac Ninety Thousand Only).**

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4. Payment Schedule:

1. 1st payment- 60% of contact price as booking money which is approximately Tk.= **2, 34,000.00/-** shall be made along with the work order through A/C payee chaeque.
2. 2nd payment- 40% of the contact price equals which to Tk.= **1,56,000.00/-** will be made after delivery, installation, fitting, fixing of newly supplied and handover to buyers representative at project site as per specification mentioned on your quotation.

5. Work completion & Hand over:

You will be responsible for complete commissioning & hand over of the Generator set along with all other accessories as mentioned in your quotation and put the **2 units of 250 KVA** Diesel Generators smooth functional at your own responsibility and arrangement. You should make arrangement of handover of Generators set within **3 weeks** of issuing this work order and put the Generator in operation within **3 (Three)** weeks nest at our above mentioned project. Failing which you will be held responsible for the delay. Place of delivery- at our Mir Onix project, Dhanmondi.

6. Warranty:

Warranty for **12 (twelve)** months or **1500 hrs** as mentioned in your offer with all other general terms and conditions shall be followed by the supplier as per the quotation and technical proposal submitted by you on **September 1, 2018**.

If the above term & conditions are acceptable, you are requested to sign the duplicate copy as token of acceptance of the work order.

Thanking you,
Very truly yours,

For Mir Akhter Hossain Ltd.


(M.G.L. Mustafa)

Executive Director (Mechanical)
Mir Akhter Hossain Ltd.
Red Crescent Borak Tower,
Eskaton Garden, Ramna, Dhaka-1000.

Cell Phone # 01711521826

Attachment-Your quotation dated 01/09/2018 as mentioned above.

CROSS WORLD POWER LIMITED

BOQ OF 2x250kVA GENERATOR

CLIENT - MIR AKHTER LTD

ADDRESS- DHANMONDI, DHAKA

DATE- 01.09.18

GEN MODEL-

ENGINE MODEL-

ALTERNATOR MODEL-

SL NO	JOB DESCRIPTION	TECHNICAL DETAILS/ BRAND	SCOPE OF SUPPLY	UOM	QTY	UNIT RATE	TOTAL RATE	REMARKS
1	Electrical System for 2X250kVA:							
1.1	power cable (35C ambient on air)	4X1C 240rm NYY DG1 To Feeder Panel 4X1C 240rm NYY DG2 To Feeder Panel 4X1C 240rm NYY Feeder Panel To LOAD (LT) 4X1C 240rm NYY SYNC To LOAD (LT)	Client	Meter	65	-	-	
1.2	Power Cable Lugs	240 rm Material -Copper , Surface -Electro Tinned		Pcs	26	263	6,838	
1.3	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable -DG1		Meter	35	87	3,045	
1.4	Control cable For Sensing	4 X 1.2 rm (40/0.19 mm)Flexible Cable -DG2		Meter	38	87	3,306	
1.4	Communication Shield Cable	2X1.2rm for sync.		Meter	32	230	7,368	
	PVC Flexible pipe-DG1	1"Ø		Meter	27	26	702	
1.5	PVC Flexible pipe-DG2	1"Ø		Meter	28	26	728	
1.6	PVC Tape	Adhesive Tape 04 color (Red/Yellow/Black/Blue)		Pcs	12	29	348	
1.7	PIB Tape			Pcs	2	461	922	
1.8	Royal Bolt	10 no.		Pcs	10	18	180	
1.9	Cable Tie	L - 8"/10"		Pack	2	158	316	
1.9	Cable Laying Charge	Cable laying & termination(DG1+DG2)-1C 240rm		Meter	217	118	25,606	
1.1	Cable Laying Charge	cable laying & termination 1C- 240rm		Meter	217	138	29,946	
2	Earthing System for 2X250kVA:							
2.1	Earthing Boring for DG1	100 feet boring; Earthing of electrical installation to attain earth resistance <1 ohm		JOB	1	8,684	8,684	
2.2	Earthing Boring for DG2	100 feet boring; Earthing of electrical installation to attain earth resistance <1 ohm		JOB	1	8,684	8,684	
2.2	GI Pipe (Boring)for DG1	38.1mm Dia G.I. Pipe with accessories		Meter	7	483	3,381	
2.2	GI Pipe (Boring)For DG2	38.1mm Dia G.I. Pipe with accessories		Meter	7	483	3,381	
2.3	Earthing Copper Lead (Boring)-DG1	Installation of solid cooper wire earthing lead 2 SWG in 38.1 mm dia GI pipe & termination of connection at both end		Meter	35	419	14,665	Earthing location considered adjacent of DG room. Quantity depend upon earthing boring location.
2.4	Earthing Copper Lead (Boring)-DG2	Installation of solid cooper wire earthing lead 2 SWG in 38.1 mm dia GI pipe & termination of connection at both end		Meter	35	419	14,665	
2.5	Earthing Block(DG1+DG2)	Dimension LXWXD - 300mm X 35mm X 10mm with connection facility		Nos.	2	3,684	7,368	
2.6	Earthing Cable (DG1+DG2)	1 X 120rm BYA (Green) from Earthing Copper bar to gen & equipment		Meter	10	1,453	14,530	
2.7	Earth cable lugs (DG1+DG2)	120rm Material -Copper , Surface -Electro Tinned		Nos.	12	99	1,188	
3	Exhaust System for 2X250kVA:							
3.1	Exhaust Silencer straight Pipe DG1	MS Pipe bore 5" thickness 3-4mm		Meter	24	3,668	88,032	Changeable
3.3	Exhaust Bends /Elbow (DG1+DG2)	Long radius 90 deg L bow 5" bore		Pcs	5	1,250	6,250	
3.4	Exhaust Flange(DG1+DG2)	Welding neck flange 5" dia		Pcs	6	592	3,552	
3.5	Exhaust Heat Insulation with silencer box	Insulation Of Pipe with Rockwool/Glasswool (25.4mm min thickness) along with 26SWG Aluminium sheet cladding.		Job	1	27,290	27,290	

3.6	Exhasut Fitting with silencer box	All bracket , support must be made with MS angle 50X50X 4, 5 & 6 MM	Job	1	20,792	20,792	
4	Cooling System for 2X250kVA:						
4.1	Radiator Ducting	As per layout with 22 SWG MS sheet, Angle bar, flat bar support, Canvas cloth etc	Sq-ft	300	237	71,100	As per sales information
5	Commissioning Material for 2X250kVA:						
5.1	Radiator coolant(DG1+DG2)	Havoline Premix Coolant	Liter	80	160	12,800	
5.2	Lube oil(DG1+DG2)	SAE 15 W 40	Liter	80	-	-	
5.3	Battery electrolyte(DG1+DG2)	Specific gravity 1.250	Liter	80	90	7,200	
5.3	Diesel (DG1+DG2)	For test run 50% of Tank	Liter	600	-	-	
6	DG On site delivery for 2X250kVA:						
6.1	Loading /Unloading/Lifting	Generator dry weight-3700 Kg	Job	N/A	-	-	
6.2	DG FOUNDATION	RCC FOUNDATION, DIM- LXWxD: 16'6"X6'6"X6"	Job	N/A	-	-	Already done by client
					Total Tk--	392,867	

NOTE:

-- ALL NECESSARY CIVIL WORK WILL DONE BY CLIENT AS PER ATTACHED LAYOUT AND CWPL ENGINEER INSTRUCTION