



lending to build you a strong future

Ref: Cross World/ HH Plaza/2018-10

Date: October 30, 2018

To,  
Managing Director  
CROSS WORLD Power Ltd  
Plot1/B, Gulshan-2,  
Dhaka-1212, Bangladesh.

**SUBJECT: WORK ORDER FOR SUPPLY OF 42.5 KVA BRAND NEW "TEMPEST" DIESEL GENSET.**

Dear Sir,

Please refer to your quotation and find below our Work Order for your kind consideration:

#### 1 COMMERCIAL PART

##### 1. PRICE: Prices are as follows:

SL #	Description of items	Qty.	Rate (BDT)
A-i	TEMPEST Brand <b>42.5 KVA</b> (Prime Rated) Diesel generator With Perkins engine and Mecc-Alte Alternator	1 Set	7,75,000.00
A-ii	Auto Transfer Switch (ATS).	1 No	35,000.00
A-iii	Silent Canopy	1 No	1,05,000.00
	<b>Total:</b>		<b>10,25,000.00</b>
	<b>Less Special Discount:</b>		<b>2,05,000.00</b>
	<b>Grand Total:</b>		<b>8,20,000.00</b>

**N.B.:** The above price is exclusive of AIT & VAT

**3. PAYMENT TERMS:** 60% to be paid in advance along with Deed of Agreement and balance 40% payment to be made after 45 days from the date of commissioning.

**4. DELIVERY:** Delivery can be arranged within **5-15 days** from the date of receipt of the work order .

#### B. TECHNICAL PART

##### 1. ITEM: "ELECTRO" DIESEL GENERATING SET European Standard Generator

<b>A. Electro Generator Model</b>	: <b>EM47P PM-42.5</b> <i>mech</i>
Capacity	: <b>42.5 KVA</b> Prime Output and <b>46 KVA</b> Standby Output
Silencer	: Residential Type Silencer
Anti Vibration Mounting	: Underneath engine & alternator bolted to base frame
Base fuel tank	: Steel tank welded to the base frame
<b>A-1. Engine</b>	: <b>PERKINS</b>
Engine Model	: 1103A-33TG1
Country of manufacturing	: UK
Country of shipment	: UK
Engine Speed	: 1500 rpm
Number of cylinder	: 3 Cylinder
Cycle	: 4 Stroke
Engine cooling system	: Water Cooled (Radiator type)
<b>A-2. Alternator</b>	: <b>MECC ALTE</b>
Alternator Model	: ECP32-3S/4 , 50Hz
Country of manufacturing	: UK
Country of shipment	: UK
Frequency & Power Factor	: 50 Hz & 0.8 pf
Phase, Wire & Voltage	: 3 Ph, 4 wire & 400/230 V
Insulation Type	: Class "H"
Voltage Regulator	: Auto Voltage Regulator (AVR)

Corporate Office :

House # 107, Flat # B-1(1st Floor), Road # 13, Block # E, Banani, Dhaka-1213, Phone : 88-02-8836036-37, E-mail : holyhomes2011@yahoo.com, Web : www.holyhomes.net

Marketing Office :

249, Auchpara (Ovijan-19), College Road, Tongi, Gazipur-1711, Phone : +88 02 9815151, Fax : +88-029815150



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The generator is assembled by Cross World Power Ltd. in their Tajgaon plant & is tested as per **UL 2200**, standard.

**2. CONTROL SYSTEM: A Digital control module** controls the complete operation of the generator which displays critical generator and engine data on the display screen. It also monitors itself for faults and can start or stop both automatically as well as manually. It is designed to work with manual changeover or auto transfer switch, creating a fully automatic backup power system. The control system is housed in a rugged vibration isolated powder coated steel enclosure.

**3. AUTO TRANSFER SWITCH (ATS):** ATS is housed in a powder coated steel enclosure that can be wall mounted. The ATS is fitted with fuses, contactors, indicators, relays etc. The details are as follows:

- a. Brand : TEMPEST
- b. Interlocking system : Electrical as well as mechanical
- c. Type of Contactor : 3 Pole, Magnetic Contactor (MC)
- d. MC brand : GE/Telemecanique/Togami/Equivalent
- e. Capacity : 70 A
- f. Auto Voltage Stabilizer (AVS) : To protect the MC coil

**4. SILENT CANOPY: ELECTRO Silent Canopy** will maintain the sound level of the generator at **75 dB A @ 3 meter** in open air condition completed with:

- ❖ Megasorbar 25mm thick Fireproof & sound absorbing Foam: Made in Australia and complied with:
  - i. Fireproof with temperature resistance up to 550°C
  - ii. High Sound absorbing sound mesh G8 facing
  - iii. Self-adhesive backing
  - iv. Long service life under hot & humid condition

- ❖ Base frame mounted modular sheet steel enclosure.
- ❖ Powder coated after 8 (Eight) steps chemical treatment
- ❖ High grade steel protected by powder coat paint.
- ❖ Air inlet and outlet at the end of the canopy.
- ❖ Every Door fitted with heavy duty hinges & locks.
- ❖ Residential silencer assembly.
- ❖ Cable entry gland plate to prevent water.
- ❖ Panel viewing window in lockable enclosure door.

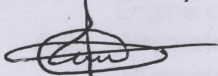
**5. COMMISSIONING:** Commissioning would be completed free of charge. However, the buyer would have to supply all required materials for installation and commissioning.

**6. WARRANTY:** 24 months from the date of delivery or 18 months / 1500 running hours from the date of commissioning, whichever comes first.

**7. AFTER SALES SERVICE & SPARE PARTS:** EM Power will provide after-sales service, all necessary emergency spares during warranty period. However, during warranty period the cost of the consumables to be borne by the purchaser. Should the buyer so desires we would be more than obliged to provide maintenance service even after completion of warranty period.

Thanking you.

Yours sincerely,



**Kabir Hossain**  
**Director (Operation)**  
**Holy Homes Real Estate Ltd**