

একশত টাকা

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Agreement between Abul basar & Cross World Power Ltd. for the Supply, Installation Testing & Commissioning of 45(Prime)Kva Diesel Generator with Local Floor Mounting Canopy, ATS & 150Kva Sub-Station Equipment (150KVA Transformer LT Switchgear, 75kVAr PFI, LA, DOF)

1<sup>st</sup> Party :

Abul basar  
Owner

Road No # 22, Holdings 26, CDA Agrabad, Chittagong.

2<sup>nd</sup> Party :

Cross World Power Ltd.

M M Ali Road, 1 No Lain, Baitus Salam Building Gr. Floor, Chittagong.

Whereas, 1<sup>st</sup> Party agree to Purchase to 45(Prime)Kva Diesel Generator with foreign Canopy Ats & 150Kva Electrical Sub-Station Equipment (150KVA Transformer, LT Switchgear, 75kVAr PFI, LA, DOF, as per attached technical specification for their **BASAR TOWER** Road No # 22, Holdings 26, CDA Agrabad, Chittagong. , Bangladesh against of Taka = 910,000+710,000 = **16,20,000/-** ( Sixteen Lac Twenty Thousand Only ) as per suppliers offer Dated 19<sup>nd</sup> Nov 2018.

Goods Description is below( Sub-station Equipment):

- |  |   |          |
|--|---|----------|
| 1)   | Drop out fuse.  | = 1 set  |
| 2)   | Lighting Arrestor                                     | = 1 set  |
| 3)   | 150KVA oil immersed Transformer                       | = 1 set  |
| 4)   | LT Switchgear (Attached Technical Specification)      | = 1 No   |
| 5)   | PFI Panel (75Kvar) (Attached Technical Specification) | = 1 No   |
| 6)   | Earthing for substation                               | = 4 nos  |
| 7)   | Delivery, Installation Testing & Commissioning.       | = 1 Job. |
| (Without any Cable, Heat shrink kit, materials and Civil work) |   |          |

Goods Description is below(45kVA Diesel Generator):

Brand	: Tempest, UK
Engine	: Perkins, UK
Alternator	: Stamford, UK
Control Module	: Deep See UK.
Canopy	: Local Floor Mounting Canopy (Sound 75dba@3meter distance)
ATS	: Local ATS (standard)

Delivery:

Generator Delivery 90-100 days from the date of received of confirmed work order.

Sub -Station Delivery 40days from the date of received of confirmed work order

“দেশপ্রেমের শগুণ নিন, দুর্নীতিকে বিদায় দিন”



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**Warranty:**

As per standard of manufacturer, we provide 3000 hours or 2 year warranty whichever comes first, effective from the date of delivery at the client's premises. Our warranty policy is for any manufacturing defects or any premature wear & tear due to usage. The faulty part(s) is/are replaced/repared within the warranty period. However, Warranty doesn't cover improper maintenance by the user, consumable items, servicing by unauthorized person, running the genset above its capacity or any unauthorized modification of the genset. And 18(Eighteen month) for Substation from the date of complete Commissioning.

**After Sales Service:**

After sales service will be given by the 2<sup>nd</sup> party for a period of 02 years by the. Expert Engineer or Technical people, from the date of delivery


**Mode of Payment (For Sub-Station Equipment):**

- a): 30% Along with work order.
- b): 55% Before **Taking** delivery.
- c): 15% after Installation

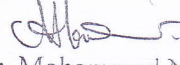
**Mode of Payment (For Generator):**

- a): 10% Along with work order.
- b): 90% after arrival of the goods at Chittagong Port.

**1<sup>st</sup> Party**

  
Abul Basar  
Owner  
CDA R/A, Agrabad, Chittagong  
27/11/2018

**2<sup>nd</sup> Party**

  
Engr. Mohammad Nurul Alam  
Manager, Sales  
Cross World Power Limited

**Witness :**

- 1) Bayazid Al Imran
- 2) Engr. Nurul Alam(Consultant)

## CROSS WORLD POWER LTD

Ensuring power  
since 1982



### SALES OFFER

CLIENT	Mr. Abul Bashar
ADDRESS	RCDA R/A, Road # 22, Chittagong.
OUR REFERENCE	CWPL-AM/3014/18
DATE	Oct 01, 2018
PROJECT DETAIL	SUPPLY OF 45 KVA PRIME / 50 KVA STAND BY DIESEL GENERATING SET

Submitted by	Mohammad Bayazid Al Imran
Designation	Engineer
Mobile Number	01755514783

Plot 1/B, Road 90, Gulshan - 2, Dhaka 1212, Bangladesh | p: (880 2) 5881 1858,  
989 1442 | f:(880 2) 5881 5160 | e: info@cross-world.com

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27/11/2019



## CROSS WORLD POWER LTD

### TECHNICAL OFFER

#### Generator Details:


Tempest (Manufactured by Allam Marine Limited, UK) Diesel Generating Set Model: PS45 (45KVA Prime & 50 KVA Standby) at 1500 rpm, 50 Hz, 3 phase, 4 wire, 400/230 volts at 0.8 power factor. All other details are as follows:

BRAND : Tempest	MODEL : PS45
COUNTRY OF ORIGIN : UK	PORT OF SHIPMENT : Any port, UK
CAPACITY (Prime) : 45 KVA	CAPACITY (stand by) : 50 KVA
START SYSTEM : Automatic Microcontroller based as well manual Start / Stop System	
EMERGENCY STOP : Emergency Stop available as protection device	
VIBRATION SKID : Built-in vibration skid for smooth operation	
BATTERY CHARGER : Auto Battery Charger (ABC) included	
DIMENSION (Open Set) (cm) : 164X75X142 (LxWxH)	FUEL TANK CAPACITY : 130 Liter
FUEL CONSUMPTION : 9.00 Ltr./Hr. at 75% Load	

#### Engine Details:

BRAND/ORIGIN : Perkins, UK	MODEL : 1103A-33TG1
SPEED : 1500 RPM	INDUCTION SYSTEM : Turbocharged
ENGINE TYPE : 4 stroke multi cylinder industrial diesel Engine suitable for tropical environment	
COOLING SYSTEM : Water cooled (Radiator cooled with engine driven fan)	
PROTECTION : Over speed, under speed, oil pressure, Over heating etc	
FUEL TANK : Built in with base	

All other details are as per attached Engine catalogues.

  
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### Alternator Details :

Industrial brushless AC Alternator model all other details are as follows:

BRAND/ORIGIN : Stamford, UK	Model / Frequency : UCI224D / S1L2N , 50 Hz
PHASE : 3 Phase	Output (Volts) : 400/415 volts (Line to line)
COOLING : Air cooling	Insulation Type : Class " H "
PROTECTION : Industrial brushless design screen protected, fan ventilated, drip-proof, self exciting in accordance with IP21/IP23	
VOLTAGE REGULATOR : Automatic Voltage Regulator (AVR)	
VOLTAGE REGULATION : $\pm 1\%$ / $\pm 1.5\%$ power factor between 0.8 lagging & unity (Depends on Connected Load)	

Alternator model may vary with the attached catalogues for manufacturing innovation.

### Control Module:

Deep Sea Electronics (DSE), UK control system is incorporated with automatic set to manually & automatically start & stop the generator indicating the operation status and fault conditions via a graphical LCD display and a flashing LED on the front panel. All other details are as follows:

CONTROL MODULE TYPE	: Auto start (AMF) digital control module
OPERATION	: Operation of the module is via push buttons mounted on the front panel with STOP, AUTO and MANUAL positions etc
DIGITAL INSTRUMENTS	: Ammeter, Voltmeter, Frequency meter, run hour meter, Oil Pressure, Water Temperature etc.
ALARM INDICATOR	: Under/Over Volts, Under/over speed, Under/Over Frequency, Low Oil Pressure, High Engine Temperature, Fail to Start and Loss of speed sensing etc.
LOAD TRANSFER TIME	: Adjustable, Delay on start 1 to 25 sec, Delay on transfer 1 to 70 sec
ENGINE COOLING TIME	: 5 minutes maximum
PHASE FAILURE RELAY	: Digital option & control for Main's upper lower cut off voltage setting and adjustable hysteresis voltage, sensing option etc

All other details are as per attached Allam's/DSE Catalogue

## CROSS WORLD POWER LTD

### Automatic Transfer Switch (ATS):

Local built ATS will be supplied in a suitable steel enclosure wall mounted, fuses, magnetic contactor coil, indicators etc.

Interlocking	: Electrical as well as mechanical
Magnetic Contactor / Motorized switch	: 3 Pole
Brand of Breaker	: ABB or Equivalent Europe origin
Paint	: Powder coated

### Acoustic Canopy:

Local built Acoustic Enclosure will reduce the sound level to 75 dBA @ 3 meter in open space and is complete with:


- Air inlet and outlet options at the alternator and radiator ends respectively.
- Hinged access doors on either side with proper locking option.
- Silencer.
- Cable entry gland apertures.

### Standard Items:

The following items will be supplied with the gen-set as standard:

- (i) Lead Acid Battery 12/ 24 Volts as required
- (ii) Silencer
- (iii) Rubber anti vibration mountings
- (iv) Flexible Bellows
- (v) Battery charger
- (vi) Main Line 3 pole Circuit Breaker
- (vii) Alternator mounted deep sea UK original main controlling panel
- (viii) Fuel tank for 10 hours operation

Please note that toolbox is beyond this scope of supply.

  
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### Warranty/Guarantee:

As per standard of manufacturer, we provide 3000 hours or 2 year warranty whichever comes first, effective from the date of delivery at the client's premises. Our warranty policy is for any manufacturing defects or any premature wear & tear due to usage. The faulty part(s) is/are replaced/repared within the warranty period. However, Warranty doesn't cover improper maintenance by the user, consumable items, servicing by unauthorized person, running the genset above it's capacity or any unauthorized modification of the genset.

### Installation & Commissioning:

The price quoted here includes Carrying, Loading, Unloading, Installation & Commissioning charge provided the genset is installed in Basement or at Ground Floor level within Dhaka City. However, this offer does not include the cost of commissioning materials, such as, Power/Control Cable, Lube Oil, Coolant, Diesel, Civil works, Ducting, Manual labor, Silencer pipe Extension Work & any other materials that may be necessary for installation of the generator set

Cross World Group Service Engineers will supervise all the above mentioned works. Please call Manager, Commissioning Dept. Mob. 01755 514793 for your Installation Materials list or Commissioning, or for any Emergency Service please call Manager, Service Spare Sales Dept. Mob. 01755 514820

### Spare parts, After Sales Service & AMC:

We maintain sufficient stock of spare parts to meet regular demands of our valued clients. After completion of warranty period, we extend our support for servicing of the generating sets at a reasonable charge by entering into a service agreement with the customers. Our service engineers are always kept ready 24x7 to attend emergency services to ensure uninterrupted power of the gen-sets. On-call service is also available to attend any types of emergencies.


### Training:

We will provide training to your operator of the Generating set after completion of commissioning.

For CROSS WORLD POWER LTD -



Mohammad Bayazid Al Imran  
Engineer  
Mobile : 01755514783



Engr. Mohammad Nurul Alam  
Manager, Sales & Marketing  
Mobile : 01755514716

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## CROSS WORLD POWER LTD



### FINANCIAL OFFER

Mr. Abul Bashar  
RCDA R/A, Road # 22, Chittagong.

DATE : Nov 19, 2018  
REF : CWPL-AM/3014/18-R02F

### FINANCIAL OFFER FOR SUPPLY OF 45 KVA 3 PHASE HEAVY DUTY DIESEL GENERATING SETS.

Dear Sir,

We are pleased to submit our financial offer with reference to our technical offer# CWPL-AM/3014/18-R02T dated Nov 19, 2018 :

#### 1. Price:

SL #	Product Name	Unit	Price (BDT)	Qty.	Total Price(BDT)
1)	TEMPEST Brand 45 KVA (Prime) Rating Diesel Generator with Perkins engine and Stamford alternator	Set	895,000.00	1.00	895,000.00
	BRAND : Tempest				
	ENGINE : Perkins, UK				
	ALTERNATOR : Stamford, UK				
	CONTROL MODULE : Deepsea, UK				
	PORT OF SHIPMENT : Felixstowe port, UK				
	AVAILABILITY : 5 to 15 days from ready stock subject to availability				
2)	Local Canopy for 45 KVA Genset	Pcs.	105,000.00	1.00	105,000.00
3)	Local Auto Transfer Switch (ATS) for 45 KVA Genset	Pcs.	35,000.00	1.00	35,000.00

Total Price (Ready Stock) in BDT 1,035,000.00

Special Discount (125,000.00)

GRAND TOTAL (Excluding VAT & AIT) in BDT 910,000.00

Amount in words : BDT Nine Hundred and Ten Thousand Only.

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2. **PAYMENT TERMS:** 1) 10% as non-refundable booking fee with work order and 90% before delivery.
3. **PACKING:** Export friendly 'Shrink Wrap' packing
4. **DELIVERY:** Within 5 to 15 days from the date of your valued work order, subject to availability of stock
5. **VALIDITY:** This offer is valid for 30 days from the date of this offer.
6. **COMPLETION OF THE WORK:** Installation Commissioning and testing of the genset would be completed within 3 (three) working days from the date of delivery, provided the site and commissioning materials made ready by the client.
7. **INSTALLATION AND COMMISSIONING CHARGE:** Free of Cost Without Materials.

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.

For CROSS WORLD POWER LTD -



Mohammad Bayazid Al Imran

Engineer

Mobile : 01755514783



Engr. Mohammad Nurul Alam

Manager, Sales & Marketing

Mobile : 01755514716



27/11/2018