

CROSS WORLD POWER LTD

Ensuring power
since 1982



SALES OFFER

CLIENT	RRP Agro Farms
ADDRESS	Arkandi, Muladuli, Iswardi, Pabna
OUR REFERENCE	CWPL-AM/0116/21
DATE	Jan 12, 2021
PROJECT DETAIL	SUPPLY OF 800 KVA PRIME / 890 KVA STAND BY DIESEL GENERATING SET

Submitted by	S.M. Tanveer Hasan
Designation	Engineer, Sales & Marketing
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TECHNICAL OFFER

Generator Details:

Tempest (Manufactured by Allam Marine Limited, UK) Diesel Generating Set Model: PL800 (800KVA Prime & 890 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 : PL800
COUNTRY OF ORIGIN : UK	PORT OF SHIPMENT : Any port, UK
CAPACITY (Prime) : 800 KVA	CAPACITY (stand by) : 890 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) : 397X171X232 (LxWxH)	FUEL TANK CAPACITY : 1770 Liter
FUEL CONSUMPTION : 130.00 Ltr./Hr. at 75% Load	

Engine Details:

BRAND/ORIGIN : Perkins, UK	MODEL : 4006-23TAG3A
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 : Leroy Somer France/Czech	Model / Frequency : TAL 049 C , 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 : $\pm 1\%$ / $\pm 0.5\%$ 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

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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.

Warranty/Guarantee:

As per standard of manufacturer warranty, we provide 18 month from the date of Delivery or 12 month / 1500 Hours from the date of commissioning whichever comes first (Except Battery, Battery have 1 year warranty effective from the date of delivery at the client's premise). 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 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

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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 -

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