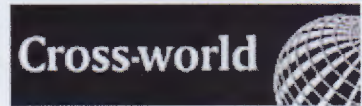


CROSS WORLD POWER LTD

Ensuring power
since 1982



SALES OFFER

CLIENT	Nourish Poultry & Hatchery Ltd.
ADDRESS	Takia Center, House # 39, Sector # 07, Uttara, Dhaka.
OUR REFERENCE	CWPL-AM/1105/17
DATE	Apr 25, 2017
PROJECT DETAIL	SUPPLY OF 600 KVA PRIME / 660 KVA STAND BY DIESEL GENERATING SET

Submitted by	Arunangshu Paul
Designation	Manager, Sales & Marketing
Mobile Number	01755 514 747
H: NE(O) 06, R: 92, Gulshan-2, Dhaka-1212 p: (880 2) 8811858, 8816528 f: (880 2) 8816205 e: info@cross-world.com	

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TECHNICAL OFFER

Generator Details:

Tempest (Manufactured by Allam Marine Limited, UK) Diesel Generating Set Model: PS600 (600KVA Prime & 660 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	: PS600
COUNTRY OF ORIGIN	: UK	PORT OF SHIPMENT:	Any port, UK
CAPACITY (Prime)	: 600 KVA	CAPACITY (stand by):	660 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) :	340X154X227 (LxWxH)	FUEL TANK CAPACITY :	1080 Liter
FUEL CONSUMPTION : 90.00 Ltr./Hr. at 75% Load			

Engine Details:

BRAND/ORIGIN	: Perkins, UK / USA	MODEL	: 2806A-E18TAG1A
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 : HCI544E , 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

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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
- (ix) Operational manual & keys etc.

Please note that toolbox is beyond this scope of supply.

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 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 Engr. Md. Mahabub Hasan, Mob. 01755-514719 for your Installation Materials list or Commissioning, or for any Emergency Service please call Engr. Tanvir Hossain, 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.

Sincerely,

Arunangshu Paul
Manager, Sales & Marketing
Mobile : 01755 514 747

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FINANCIAL OFFER

Nourish Poultry & Hatchery Ltd.
Takia Center, House # 39, Sector # 07, Uttara,
Dhaka.

DATE : Apr 25, 2017
REF : CWPL-AM/1105/17F

FINANCIAL OFFER FOR SUPPLY OF 600 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/1105/17T dated Apr 25, 2017 :

1. Price:

SL #	Product Name	Unit	Price (GBP)	Qty.	Total Price(GBP)
1)	TEMPEST Brand 600 KVA (Prime) Rating Diesel Generator with Perkins engine and Stamford alternator	Set	46,000.00 43,000.00	3.00	138,000.00 129,000.00
	BRAND : Tempest				
	ENGINE : Perkins, UK / USA				
	ALTERNATOR : Stamford, UK				
	CONTROL MODULE : Deepsea, UK				
	PORT OF SHIPMENT : Felixstowe port, UK				
			1700		5,100
2)	Consumable Spare for 600KVA DG Set (AF: 5 Pcs, FF : 20 Pcs, LF : 10 Pcs, Fan Belt : 2 Sets)	Set	2,100.00	3.00	6,300.00

Total Cost and Freight (CTG) in GBP 144,300.00

GRAND TOTAL in GBP 144,300.00

Amount in words : GBP One Hundred and Forty-Four Thousand Three Hundred Only.

GPB

134,000/-

21.5.2012

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2. PAYMENT TERMS: 100% payment to be made through irrevocable confirmed L/C to be opened in favour of Allam Marine Limited, Wyke Way, Melton, Hull, HU14 3BQ, England

3. PACKING: Export friendly 'Shrink Wrap' packing

4. SHIPMENT: 10 to 12 Weeks.

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.

Sincerely,

Arunangshu Paul
Manager, Sales & Marketing
Mobile : 01755 514 747