

# BRAC UNIVERSITY

May 14, 2018

Ref : BRACU/Admin/2018/366  
Req. No : 018755, Date : 05.03.18

Cross World Power Ltd.  
Hs # NE (0) 06, R # 92  
Gulshan -2 Dhaka-1212.  
e-mail : paul@cross-world.com

Attention : Mr. Arunagshu Paul  
Manager, Sales  
Mob: 01755-514747

**Subject : Supply Order for 150 KVA Diesel Generating Set Complete with Installation, Load Testing & Commissioning for Administration Department of BRAC University.**

Dear Mr. Paul,

With reference to your quotation no : CWPL-AM/1217/18, Dated : 10.04.2018 & further negotiation Ref : Nil, Dated : 09.05.2018 , the BRAC management has been pleased to accept your offer and request you to supply and install the above mentioned item under the following terms & conditions.

1. Name of Item : 150 KVA Diesel Generating Set complete with Installation, Load Testing & Commissioning.

2. Specification : 150 KVA Diesel Generating Set complete with Installation, Load Testing & Commissioning.

Capacity : 150 KVA, Fuel Type : Diesel.

Brand (Generator & Engine)	: Tempest & Perkins respectively
Alternator Brand & Origin	: Mecc-Alte, UK
Model	: PM150
Assembled & Shipment Country of Generator	: HULL, UK
Capacity	: 150 KvA
Fuel Type	: Diesel
Standby Power (KWm)	: 131 KW
Prime Power (KWm)	: 120 Kw
Speed (RPM)	: 1500
Cylinder Number & Arrangement	: 6 In Line
Bore & Stroke	: 105 x 135 mm
Displacement	: 7 Litres
Aspiration & Cooling	: Turbocharged Air to Air Charged Cooled
Compression Ratio	: 182:1
Governor Type	: Mechanical
Cooling System	: Comply

Set Mounted Tropical Radiator Engine Driven Cooling Fan with protection guard Fuel, Lubricating Oil, Air Filter(s) with restriction indicators 24 Volt DC electric Start with charging Alternator Protection Switches for : Low oil pressure High Engine Temperature Low Coolant Level Oil System Capacity (Including Filters)

: 16.5 Litter  
: 16.4 Litter  
: 24.3 Litter  
: 32.6 Litter  
: 25.53 M3/min  
: 484°C (In manifold after Turbocharger)

Exhaust Gas Temperature (at Standby Power)  
Set mounted Rechargeable Maintenance Free Lead acid battery(s), complete with leads and terminations Residential type Exhaust Silencer with required flexible section with connectors,

Paint Finish With detailed user and maintenance manual,  
Alternator : Mention brand, Country of origin and country of manufacture,

: Comply  
: Comply

Electrical: 400/415 Volts 3 Phase, AC

: Comply

Frequency : 47 to 52 Hz, Control Panel with emergency stop, key start, 3 Phase volt meter, per phase ammeter and other instrument (please mention)

: Comply

Mains Available, Mains on load, Generator available, Generator on load, etc. complete with 3 pole MCB/MCCB mounted in control panel with appropriate rating

: Generator with Body

ATS Panel with Appropriately rated 4-pole changeover contactors as required

ATS Complies with 4 Pole Breaker

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3. Others Accessories :

SI No	Name of Items	Quantity
a	All types of installation materials including additional 1 set filters, (AF, LF, FF) for 150 KVA Generator (Without Fuel) Fuel will be provided by BRAC University.	1 lot
b	Installation materials like ducting, silencer, pipe etc.	1 job
c	Appropriate Earthling 150 feet 2 SWG copper zigzag Pipe ) Mention	1 set
d	<b>Standard Tools List</b> 1. Socket Box - 01 Box 2. Combination - 01 set 3. Top LN key - 01 Set 4. Four Star LN Key - 01 Set 5. Pliers - 01 Pcs 6. Nose Pliers - 01 Pcs 7. Cutting Pliers - 01 Pcs 8. Adjustable - 01 Pcs 9. Fuller Gauge - 01 Pc 10. Hammer ½ Lbs - 01 Pcs 11. Screw Driver - 01 Set 12. Screw Driver - 4" & 6" - 1 + 1 Pcs 13. Steel Tape - 01 Pc 14. Filter Range - 01 Pcs 15. Tester - 01 Pcs 16. Tools Box - 01 No 17. Hydrometer - 01 No	01 lot

4. Quantity : 01 (One) Unit.

5. Unit Price : Tk. 19,20,000.00 (Taka Nineteen lac twenty thousand) only including all accessories, delivery, installation, testing & commissioning .

6. Total Price : Tk. 19,20,000.00 (Taka Nineteen lac twenty thousand) only including all accessories, delivery, installation, testing & commissioning .

7. General Terms & Conditions :

- Place and date of delivery & Installation** : Delivery, installation, testing & commissioning should be completed on or before 25.05.2018 at Administration Department, BRAC University, Address : University Building # 07, 43 Mohakhali, Dhaka-1212 (Contact Person : Md. Akterujjaman, Mobile : 01715-360563) at your own cost.
- Warranty** : 300 hours or 2 years warranty whichever comes first, effective from the date of delivery, installation, testing & commissioning. Warranty Card or Letter of Warranty is to be provided on your Letterhead.
- Inspection** : Inspection will be carried out by concerned technical person before receiving the goods during and after the installation.
- Liquidated Damage** : The delivery must be completed within the scheduled date otherwise Liquidated Damage (L.D.) will be charged at the rate of 0.5% of quoted value for per week delay or part thereof up to maximum 5% from the stipulated time of supply and deducted as well from the submitted bill. In case of substantial delay, BRAC University reserves the right to cancel the contract and claim compensation for such delay and failure.
- Performance Security** : Your deposited Performance Security @5% of total quoted value i.e. Tk. 96,000.00 (Taka Ninety six thousand) only will be returned against a letter addressed to Procurement Manager, Procurement Department, BRAC University after "01 (One) year" from the date of commissioning on submission of clearance note from BRAC University Administration Department but it may however be forfeited for failure to deliver the Generator as per purchase order or as per specification and or in due time.

*M. Akter*

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## 8. Others Terms & Conditions :

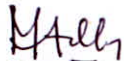
- a. You have to submit the following documents and standard set tools (in English) to the "Concerned Engineer of BRAC/BRAC University while supplying the Generator.  
(1) Manual of Operation, Maintenance & Servicing of Engine and Alternator. (Hard copy) - 01 Set  
(2) Spare Parts Catalogue (Hard copy)-01 Set.
- b. The Supplier may communicate [Contact : Engr. Meghnad Saha, Additional Chief Engineer, BRAC, Cell : 01714-091339 / Mr. Md. Akterujjaman, Sr. Admin Officer, BRAC University, Cell : 01715-360563] and confirm space for installation and ensure satisfactory installation at the specified space. The supplier will supply the cable layout plan in details well in advance to the Administration Department, BRAC University and also request for any further requirements of civil works such as drain line for pipes, base of generator etc. within 7 days of getting the Purchase Order. All civil works will be done by BRAC University.
- c. In case of any break down even after warrantee period, major or minor, supplier will make arrangement to repair at a reasonable time & cost within 24 hours.
- d. You have to provide training on operation, maintenance & trouble shooting by an expert Engineer.
- e. If any item(s) of specification are absent in this enclosed Technical Specification, the selected supplier will have to supply and install the same to make the unit operational at its full efficiency without any extra charge.
- f. You will take total responsibility and will also arrange manpower, tools & devices for installation, testing and commissioning of the Generator set. The concerned BRAC University Engineer will inspect and certify all the equipment at site.
- g. Power cable and Fuel will be provided by the consignee and other cost of installation accessories will be borne by the selected supplier. Cable connection & testing will be done by the selected supplier.
- h. You will ensure that the supplied Generator and all its accessories are 100% brand new and in good condition and also provide full warranty as mentioned in the General Terms & Conditions Clause-C for Generator and its accessories, which will cover the repair/replacement (if any) at their own cost from the date of Testing & Commissioning at site. The replaced parts will also be considered of full warranty for mentioned warranty period.
- i. The selected Bidder will ensure safety & security of their machineries & tools till handed over to BRAC University authority.
- j. No additional terms & conditions from supplier will be accepted.

## 9. Payment Terms :

- a. 80% of the total quoted price will be paid after successful delivery. Following are to be submitted by the supplier with the bill :
  - (i). Original Delivery Challan signed by consignee and a notation on the Delivery Challan by the recipient (with name, designation, & receive date) that the item (s) has been supplied as per specification.
- b. Rest 20% payment will be made after 03 months from the date of successful commissioning and a clearance from concerned Engineer of BRAC University. Following are to be submitted by the supplier with the bill :
  - i. Proof of receipt of all papers as per "Clause 2(b)" by Concerned Engineer of BRAC University.
  - ii. Testing Clearance Certificate by Concerned Engineer of BRAC University.
- c. Payment will be made through Account Payee Cheque / Wire Transfer.
- d. Applicable VAT & Tax will be deducted at source as per government rule.
- e. Partial Payment against partial delivery is not allowed.

Thanks.

Sincerely Yours



Masud Ahmed Chowdhury  
Senior Manager, Procurement (In-Charge)

## Copy to :

1. Additional Chief Engineer, Maintenance Department, BRAC  
(For Information & supervision for Installation, Testing & Commissioning of the generator)
2. Administration Department
3. Office File