

Republic of the Philippines
Department of Science and Technology
INDUSTRIAL TECHNOLOGY DEVELOPMENT INSTITUTE
DOST Compound, Gen. Santos Ave., Bicutan, Taguig City
DOST Trunkline: 837-2071 loc. 2220 / 2221

QR-ADMPPS-05

18.04.26

Work Order No. **GF-197-2017**

To: **POWER ACCESS ELECTRICAL SERVICES**

Date: **December 29, 2017**

PR No. **10-2017-0254**

Address:

Quotation No. **ITD-PB-170032**

WO 2

ASC No.

Gentlemen:

In accordance with existing regulations, you are hereby authorized to undertake the work indicated below.

No. of item to be Repaired	Job Description	Amount
One (1) lot	<p>1 SUPPLY, INSTALLATION, COMMISSIONING AND DISMANTLING OF POWER GENERATOR</p> <p>A. ENGINE SPECIFICATIONS:</p> <p>Cylinder/Arrangement 6/ L</p> <p>Displacement 8.3 L or larger</p> <p>Bore and Stroke 114mm x 135 mm or larger</p> <p>Compression ratio 18 : 1 or larger</p> <p>Rated RPM 1800 RPM</p> <p>Max. stand by power at 210 KW or larger</p> <p>Governor: type Electronic</p> <p>B. ALTERNATOR SPECIFICATIONS:</p> <p>Number of phase power 3</p> <p>Factor (Cos Phi) 0.8</p> <p>Pole: number 4</p> <p>Bearing: number 1 or more than</p> <p>Coupling Direct</p> <p>Exciter type Brushless SHUNT</p> <p>Insulation: class, protection H / H</p> <p>C. ADDITIONAL INFORMATION</p> <p>C. 1 Generator Specifications</p> <ul style="list-style-type: none"> * 100% Brand New and Imported * 250kVA (200kW) * 230 V, 3 phase, 60 Hertz * Standby application * Diesel Fuel 	1,287,000.00

Page 1 of 3 pages

Delivery: Within upon receipt of this Order.

Recommending Approval:

Approved:

Funds Available:
Program & Project:

Order Received:

Article Received:

By: Denier Date: _____

By: ITDI Date: _____

WO Form PPS/mel

WO Form PPS/mel

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DOST Trunkline: 837-2071 loc. 2220 / 2221

QR-ADMPPS-05

12.02.17

Work Order No. **GF- 197-2017**
To: **POWER ACCESS ELECTRICAL SERVICES**
Address:

Date: **December 29, 2017**
PR No. **10-2017-0254**
Quotation No. **ITDI-PB-170032**
ASC No.

WO 2

In accordance with existing regulations, you are hereby authorized to undertake the work indicated below:

No. of item to be Repaired	Job Description	Amount
	TOTAL CARRIED FORWARD	1,287,000.00
One (1) lot	<p><i>*OEM (Original-Equipment-Manufacturer)</i> <i>Engine - Provide OEM Certificate</i> <i>OEM Alternator - Provide OEM Certificate</i> <i>Original Controller (Digital) - Should be made in UK, US or Japan</i> <i>Silent type</i></p> <p>2 C.2 Automatic-Transfer Switch (ATS): 800 A, 230 V, 3 phase</p> <p>Notes: 1. The generator set should be tested using a load bank prior to its installation to confirm its real capacity. Testing period is one-hour inclusion of 100% loading in 15 minutes. 2. To provide a Philippine Consulate Certificate where the names of the manufacturer and its Philippine distributor are specified.</p>	100,000.00
One (1) lot	<p>3 C.3 At Power House</p> <p><i>*Removal of existing/defective 313 KVA in the generator house and place nearby. Restoration (civil works) of all affected areas.</i> <i>*Installation of the brand new 250 KVA generator inside the power house.</i> <i>*Replace of fuel lines (generator skid base to fuel-day tank) from PVC pipe to metal pipe.</i> <i>*Retrofit the power house for additional intake of fresh air.</i> <i>To supply and install metal louver where are should be twice as the area of the radiator core. Location should be adjacent to the entrance door.</i> <i>*Supply and installation of hot-air duct. Area should be the area of the radiator core or larger.</i> <i>*Supply and installation of muffler extension pipe.</i></p>	60,000.00
		1,447,000.00

Page 2 of 3 pages

Delivery: Within _____ days upon receipt of this Order.

Recommending Approval:

Approved:

Funds Available:
Program & Project:

Order Received:

Article Received:

By: _____ Date _____
Dealer

By: _____ Date _____
ITDI

ITDI

WO Form/PPS/rev

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Department of Science and Technology
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QR-ADMPPS-05

18.02.2017

Work Order No.

GF-197-2017

To:

POWER ACCESS ELECTRICAL SERVICES

Date:

December 29, 2017

Address:

WO 2

PR No.

10-2017-0254

Quotation No.

ITDI-PB-170032

ASC No.

In accordance with existing regulations, you are hereby authorized to undertake the work indicated below:

No. of item to be Repaired	Job Description	Amount
	TOTAL CARRIED FORWARD	1,447,000.00
One (1) lot 4	<p>*Re-use the existing breaker and cables at the power house. If insufficient, the supplier will provide.</p> <p>*Repaint the power house interior walls and louver door</p> <p>*Replace brand new fluorescent lamps.</p> <p>C.4 Electrical Room (2nd Floor, ITDI Metrology Bldg.)</p> <p>*Replace the existing Manual-Transfer-Switch (MTS) by brand new Automatic-Transfer-Switch (ATS): 800 A, 230 V, 3-phase</p> <p>*Remove the existing MTS (including enclosure) and replace by the brand new ATS (including enclosure: free stand)</p> <p>*Re-use the existing MTS cables to the ATS. If length is insufficient, the supplier will provide.</p> <p>*The normal side of ATS should be tap to the load side of the existing 3,000 A Main-Circuit-Breaker (MCB). Approximate radius distance of MCB to ATS is 3.5 meters.</p> <p>Note: 1, There are existing 2,500 A Circuit Breaker (CB) and 630 A CB to be re-used which tapping is under the new 800A ATS</p> <p>*Inclusion of rough-in of wires and conduits for the remote/ start contact of the ATS and battery charger from power house to Electrical Room located in 2nd floor of the building.</p> <p>*Testing and commissioning of the generator set are included.</p>	150,000.00
		1,597,000.00
	Less: VAT EWT	71,294.64 28,517.86
		1,497,187.50

END-USER:

ARIES A. ORDOÑA

CHARGE TO:

General Fund-Project 4

PREPARED BY:

ROCHEL LEE C. DELUTA
Administrative Officer V

Page 3 of 3 pages

Delivery: Within days upon receipt of this Order.

Recommending Approval:

AURORA V. KIMURA
Chief-NMD

Approved:

MARIA PATRICIA V. AZANZA, PhD.
Director

Funds Available:
Program & Project:

1,497,187.50
2017122069

SOLEDAD S. REYES
Accountant IV

Order Received:

By: **ROMMEL C. ANEJO**
Dealer

Date: **FEB-14, 2018**

Article Received:

By: **ITDI** Date: