



Philippine Rice Research Institute  
Maligaya, Science City of Muñoz, Nueva Ecija  
Telefax: (044) 456-0650, Phone: (044) 456-0394 Loc 662

Tracking No.  
PPMD24-2897

Page 1 of 3

## PURCHASE ORDER

|  |  |                     |                |                        |                  |
|--|--|---------------------|----------------|------------------------|------------------|
| Supplier Address   | Asia Electric Technical Marketing Corporation<br>115 B Levitown Ave., Betterliving Subd., Paranaque City   |                     |                | PO No.<br>2024-10-1075 | Date<br>10-20-24 |
| TIN  | 208-865-542-000  | Mode of Procurement | Public Bidding |                        |                  |
| Gentlemen: Please furnish this Office the following articles subject to the terms and conditions contained herein: |  |                     |                |                        |                  |
| Place of Delivery  | PhilRice Warehouse, Maligaya, Science City of Muñoz,<br>3119 Nueva Ecija   |                     | Delivery Term  | FOB Destination        |                  |
| Date of Delivery   | within 90 calendar day(s) upon receipt of purchase order   |                     | Payment Term   | Payable n/30           |                  |
| Item Code  | Item Description   | Unit                | Qty            | Cost                   | Amount           |
| 106059900000-001-00  | <p>Generator Set<br/>Supply, Delivery, and Installation with Testing and Commissioning of One (1) Unit Brand New, Generator Set 800KVA, Open-Type, with Automatic Transfer Switch and AVR</p> <p>Generator Set<br/>Engine: Cummins KT38-G</p> <ul style="list-style-type: none"><li>• Prime Power of 725 KVA/580KW</li><li>• Stand by Power of 800 KVA/640KW</li><li>• Frequency of 60Hz</li><li>• Speed of 1800RPM</li><li>• Three (3) Phase, 230 Volts, Power Factor of 0.8</li><li>• with Standard Alternator (Stamford S5L1D-F4)</li><li>• and Auto Mains (Utility) Control Module (Deedsea DSE6010 and DSE6020)</li><li>• Starting Voltage: DC24V</li><li>• Breaker Capacity/Circuit Breaker Rating Capacity: 2008A</li><li>• Back up Battery Charger: 12-24V, 10A</li><li>• Dimension (Genset): (L x W x H) = 4,200mm x 2,050mm x 2,500mm</li><li>• Weight: 6,600kg</li><li>• Fuel Consumption (100% of the Power Prime): 154L/L</li><li>• Total Oil Capacity with Filters:135L</li><li>• Engine Airflow: 1298L/s</li><li>• Coolant: Radiator (210), Max Water Temp (104 degree Celsius) Thermostat (82-93 degree Celsius)</li></ul> <p>For Wires /Accessories (PhilFlex THHN/THWN)</p> <ul style="list-style-type: none"><li>• 325mm<sup>2</sup> THHN Copper Wire (From Generator Set to ATS) Main Line (180m)<br/>(180m) = 12m x 5 Linear/terminal x 3wires</li><li>• 100mm<sup>2</sup> THHN Copper Wire (From Generator Set to ATS) Ground Line (12m)</li><li>• Diesel Transfer Pump, 20-120L/m, 550 Watts, 220-230 Volts, 60Hz, Centrifugal Type with complete fittings and hose</li></ul> <p>For Installation and Commissioning</p> <ul style="list-style-type: none"><li>• Installation, Termination, Testing and Commissioning of ATS (Automatic Transfer Switch) to Generator Set</li><li>• Fabrication and Installation of Ventilation Louver for Generator Exhaust</li><li>• Consumables (such as Terminal Lugs, Rubber Tape, Electrical tape Etc.)</li><li>• Delivery and Positioning of Generator set</li></ul> <p>Standard attachment/inclusion</p> <ul style="list-style-type: none"><li>• Battery Charger</li><li>• Batteries</li><li>• Generator Set Controllers</li><li>• Vibration Isolators</li><li>• Electronic Governor</li></ul> | unit                | 1              | 13,822,306.53          | 13,822,306.53    |

PQ Control No.: 2024-10-1181 (C)  
Prepared By:Frederick P. Capinpin

Prepared Date:2024-10-16  
Wednesday, 16 October 2024 03:10 PM



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| Item Code  | Item Description  | Unit                | Qty            | Cost            | Amount       |               |
|  | <ul style="list-style-type: none"><li>Digital Voltage Regulator</li><li>Locally Fabricated residential-type Muffler</li><li>Locally Fabricated Fuel Day Tank – 8 hour capacity</li></ul> <p>Automatic Transfer Switch (ATS) (CDW6i-4000F DELIXI Air Circuit Breaker)</p> <ul style="list-style-type: none"><li>Floor Mounted Type with complete accessories in NEMA 1 Enclosure</li><li>4000 AF, 3 Phase, 230V</li><li>with Digital Volt and Ampere Meter</li><li>Pilot lamp, Switch Selector and Copper Busbar</li></ul> <p>For Wires /Accessories (PhilFlex THHN/THWN)</p> <ul style="list-style-type: none"><li>325mm² THHN Copper Wire (From Transformer to ATS) Main Line (480m) = 20m x 8Linear/Terminal x 3Wires</li><li>100mm² THHN Copper Wire (From Transformer to ATS) Ground Line (20m)</li></ul> <p>For Installation and Commissioning</p> <ul style="list-style-type: none"><li>Installation, Termination, Testing and Commissioning of ATS (Automatic Transfer Switch) to Transformer</li><li>Consumables (such as Terminal Lugs, Rubber Tape, Electrical tape Etc.)</li><li>Delivery (Mobilization and Demobilization)</li></ul> <p>Automatic Voltage Regulator (AVR) (DELIXI, SBW-F-800 KVA 3Phase Voltage Stabilizer)</p> <ul style="list-style-type: none"><li>AVR for 800KVA Capacity</li><li>Cylindrical 3 Copper Winding (3 Phase, 230V)</li><li>Digital Volt and Ampere Meter (digital meter panel)</li><li>IP23 Enclosure Protection Rating</li></ul> <p>The unit comes with the following services:</p> <ul style="list-style-type: none"><li>Delivery to site</li><li>Testing and commissioning of unit,</li><li>6 hours (on site testing) at 100% of existing load (25% load -1 hr., 50% load -1 hr., 75% load -1 hr., 100% load -1 hr., and 80% load- remaining 2 hrs.)</li><li>Operation and Maintenance training regarding the genset main components with Certificate of Training.</li><li>Customer support agreement for one (1) year</li></ul> <p>With 2 years warranty.</p> <p>CUSTOMER SUPPORT AGREEMENT (1 YEAR)</p> <p>(see attached document for complete specifications)</p> |                     |                |                 |              |               |
| Amount in Words  | Thirteen Million Eight Hundred Twenty Two Thousand Three Hundred Six Pesos And Fifty Three Centavos   |                     |                |                 |              | 13,822,306.53 |

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| In case of failure to make the full delivery within the time specified above, a penalty of one-tenth (1/10) of one percent for every day of delay shall be imposed. |  |                     |   |                 |               |  |  |
| Conforme:<br><br>MARCO FELIX L. DE LEON<br>Signature over Printed Name of Supplier<br>NOVEMBER 4, 2024<br>Date  |  |                     | Very truly yours,<br><br>John C. De Leon<br>Authorized Official<br>10-30-24<br>Date |                 |               |  |  |
| Funds Available:<br><br>Mary Grace DG. Corpuz<br>Chief Accountant<br>10/30/24<br>Date   |  |                     | ORS No.   |                 | 2024-10-1075  |  |  |
|   |  |                     | ORS Date  |                 | 2024-10-16    |  |  |
|   |  |                     | AMOUNT  |                 | 13,822,306.58 |  |  |

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Continuation of Purchase Order awarded to **ASIA ELECTRIC TECHNICAL MARKETING CORPORATION**

### Preventive Maintenance Service

(after warranty or 1,000 running hours, one (1) time)

- Change Oil and filters
- Extract oil samples
- Check batteries
- Lubricate Grease fittings

**Technical Analysis Level 2 (TA2)** – This will involve running the generator set with load and a system-by-system check-up using diagnostic instruments. The following shall be included in the inspection:

- Cooling System. Perform radiator differential / ambient temperature test and radiator air flow test.
- Fuel system pressure test
- Lubrication system pressure test
- Air induction and exhaust system. Perform inlet manifold
- Pressure test (boost pressure test) and exhaust back pressure test
- Air filter restriction test. Perform exhaust stack temperature test and blow-by test
- Insulation test (Megger) on generator

**Technical Analysis Level 1 (TA1)** – This is a detailed inspection of the entire generator set systems to determine if each system is functioning within acceptable standards.

- Walk around inspection
- Cooling system
- Fuel system
- Air induction and exhaust system
- Lube oil system
- Starting system
- Control panel
- Power generator
- Sanitation

**Scheduled Oil Sampling (SOS)** – will get oil samples every visit (PMS, TA2, TA1). This way, the engine's oil shall be analyzed by using the following test:

- Complete Testing (SOS-COMP)
- Wear Metals;
- Total Base Number for engine samples / Total Acid Number for non-engine;
- Viscosity (either V40 or V100);
- Flash Point (Open Cup);

PO no. 2024-10-1181 (C)  
**Better Rice Communities.**

Email: [prri.mail@mail.philrice.gov.ph](mailto:prri.mail@mail.philrice.gov.ph) Text Center: (+63) 917-111-7423  
Websites: [www.philrice.gov.ph](http://www.philrice.gov.ph), [www.pinoyrice.com](http://www.pinoyrice.com)  
Social Media: [www.facebook.com/DAPhilRice](https://www.facebook.com/DAPhilRice)  
Liaison Office: 3rd Floor, ATI building, Elliptical Road, Diliman, Quezon City  
Mobile No.: (+63)928-915-9628







**Philippine Rice Research Institute**  
Central Experiment Station  
Maligaya, Science City of Muñoz, 3119 Nueva Ecija

- Water by Distillation;
- Soot;
- Sulfur Content;
- Oxidation;
- Nitration;
- Glycol for Engine Oil.

**Certified by:**

  
**MARY GRACE DG. CORPUZ**

Chief Accountant

Date: \_\_\_\_\_

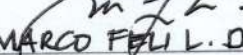
**Approved by:**

  
**JOHN C. DE LEON**

Executive Director

Date: \_\_\_\_\_

**Conformed:**

  
**MARCO FELIX L. DE LEON**

Signature over Printed Name

**NOVEMBER 4, 2024**

Date

PO no. 2024-10-1181 (C)  
**Better Rice Communities.**

Email: [prri.mail@mail.philrice.gov.ph](mailto:prri.mail@mail.philrice.gov.ph) Text Center: (+63) 917-111-7423

Websites: [www.philrice.gov.ph](http://www.philrice.gov.ph), [www.pinoyrice.com](http://www.pinoyrice.com)

Social Media: [web.facebook.com/DAPhilRice](https://web.facebook.com/DAPhilRice)

Liaison Office: 3rd Floor, ATI building, Elliptical Road, Diliman, Quezon City

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