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|  | MARIANO MARCOS STATE UNIVERSITY Procurement Division | Document Code | PD-FRM-002 | |
| | Request for Quotation (RFQ) (Goods and Services) | Revision No. | 4 | Page 1 of 4 |
| | | Effectivity Date | January 8, 2021 | |

REQUEST FOR QUOTATION (RFQ)

Date: March 22, 2022
PR No.: 2022-03-055 (05206441)

Sir/Madam:

Please quote your lowest price on the item/s listed below, and submit your quotation duly signed by you or your duly authorized representative not later than **3 days** subject to the Terms and Conditions provided at the last page of this RFQ.

Delivery period must be at least within 10 days upon receipt of the Notice to Proceed or Purchase Order.

For any clarification, you may email us at bac@mmsu.edu.ph.


NATHANIEL R. ALIBUYOG
BAC Chair

| ITEM | QTY | Unit | ITEM DESCRIPTION | ABC/unit | UNIT PRICE |
|------|-----|------|--|------------|------------|
| | 1 | lot | Supply and Installation of 15kV Automatic Circuit Recloser including Testing and Commissioning, and Training of Personnel | 700,000.00 | |
| | | | Outdoor Switching Module (OSM) | | |
| | | | The OSM contains three poles, each with vacuum interrupters. Each pole is driven by magnetic actuator that is mechanically interlocked to ensure three-phase operation. The OSM shall be made of corrosion resistant and must have dehumidification in case of condensation build up. The OSM shall have lifting lugs provision, earth provision, and kit for various pole mounting. | | |
| | | | OSM Parameters | | |
| | | | Class/Type: Outdoor, pole mounted, vacuum | | |
| | | | Tank Construction: Aluminum alloy/Stainless Steel | | |
| | | | Current Sensing: 6 Rogowski Sensors | | |
| | | | Voltage Sensing: 6 Capacitive Voltage Sensors | | |



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| | | | | | |
|--|--|--|--|--|--|
| | | | Degree of Protection: IP65 | | |
| | | | Rated Maximum Voltage: 15kV | | |
| | | | Rated Continuous Current: not less than 600A | | |
| | | | Rated Frequency: 50/60Hz | | |
| | | | Rated Power Frequency Test Voltage: 50kV (1 min) | | |
| | | | Rated Lightning Impulse Withstand Voltage: 110kV | | |
| | | | Peak Fault Make Capacity: 40kA | | |
| | | | Rated Short Time Current Withstand: 16kA (4s) | | |
| | | | Expected Mechanical life operation (Close-Open): not less than 25,000 | | |
| | | | Interrupting Life Operations, CO cycles at rated current: not less than 25,000 | | |
| | | | Interrupting Life Operations, CO cycles at breaking current: not less than 150 at max fault capacity | | |
| | | | Sensor Parameters | | |
| | | | Range of current where accuracy guaranteed: 0.....8000A | | |
| | | | Range of phase to earth voltage where accuracy guaranteed: 0... 16kV | | |
| | | | Operating Temperature: -40...+55 deg C | | |
| | | | Recloser Control | | |
| | | | The recloser provides monitoring of Event log, Malfunction log, Communication log, Load Profile, Fault Profile, Measurement of current (phase, neutral, sequence currents) voltages (phase voltage, sequence voltage) active power, reactive, and energy. The protection functionality includes selectable IEC and ANSI inverse time current curves, configurable current and time for fault current protection. The cubicle control must have an anti-condensation kit to prevent condensation build up usually occurs in tropical wet climate areas. | | |
| | | | Functionality | | |
| | | | Phase Overcurrent: Reclosing | | |



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| | | | | | |
|--|--|--|---|--|--|
| | | | Earth Fault: Sensitive Earth Fault | | |
| | | | Bolted Fault: Cold Load Pick up | | |
| | | | Low Current earth fault | | |
| | | | Under/overvoltage voltage | | |
| | | | Under/over Frequency | | |
| | | | Current unbalance | | |
| | | | Voltage unbalance | | |
| | | | Communication | | |
| | | | Personal Computer interface for uploading and downloading data via USB port, RS232 and Bluetooth | | |
| | | | Embedded RTU for SCADA function via radio modem, phone modem, GSM/GPRS, 3G/4G gateway. Communication protocols DNP3, Modbus, IEC60870 | | |
| | | | Recloser Control Cubicle Basic Technical Parameters | | |
| | | | Rated Frequency: 50/60Hz | | |
| | | | Operating AC Supply Voltage: 85-256V | | |
| | | | Degree of Protection: IP65 | | |
| | | | DC Supply Back up: 12V, 26Ah | | |
| | | | Operating Temperature: -40...+55 deg C | | |

TOTAL ESTIMATED BUDGET: 700,000.00


REMARKS/NOTE: _____

After having carefully read and accepted your Terms and Conditions, I/we submit our quotation/s on the item/s at prices indicated above.

Business Name: _____
 Business Address: _____
 Printed Name of the Owner: _____
 TIN: _____

 Signature over Printed Name

 Tel. No./Cellphone No./e-mail address

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PhilGEPS Registration Number: _____ Date _____

Business Permit: _____

Omnibus Sworn Statement: _____

Annual Income Tax Return: _____

Canvassed by: _____

TERMS AND CONDITIONS:

1. Bidders shall provide correct and accurate information required in this form.
2. Bidders may quote for any or all of the items.
3. Bidders shall submit a copy of the following documents along with the Quotation:
 - a. Mayor's/Business Permit
 - b. Notarized Omnibus Sworn Statement (if ABC is more than P 50,000.00)
 - c. Income/Business Tax Return (if ABC is more than P 500,000.00)
4. Price quotation/s, to be denominated in Philippine peso, shall include all taxes, duties and/or levies payable.
5. Quotations exceeding the Approved Budget for the Contract shall be rejected.
6. Award of contract shall be made to the lowest quotation which complies with the minimum technical specifications and other terms and conditions stated herein.
7. Any interlineations, erasures or overwriting shall be valid only if they are signed or initialed by you or any of your duly authorized representative/s.
8. The item/s shall be delivered according to the requirements specified in the Technical Specifications.
9. The University has the right to inspect and/or test the goods to confirm their conformity to the technical specifications.
10. Liquidated damages equivalent to one tenth of one percent (0.1%) of the value of the goods not delivered within the prescribed delivery period shall be imposed per day of delay.