



Republic of the Philippines  
**WESTERN MINDANAO STATE UNIVERSITY**  
Zamboanga City  
Telephone No.: 062-991-7875  
[www.wmsu.edu.ph](http://www.wmsu.edu.ph)

## INVITATION TO BID

The Western Mindanao State University, through its Bids and Awards Committee (BAC), is inviting PhilGEPS registered suppliers to apply for eligibility and to submit bids for the item mentioned hereunder:

- 1.) 1 Lot **Repeater System**
- Repeater 25 kHz channels  
General Specifications:  
VHF UHF 300 MHz  
Frequency Range 136-174 MHz 400-470 MHz 350-400 MHz  
Channel Capacity  
RF Output Power 1-50 W  
Dimensions (H x W x D) 1.75 x 19 x 14.6 in (44 x 483 x 370 mm)  
Weight 19 lbs (8.6 kg)  
Input Voltage (AC) 100-240 Vac, 47-63 H  
To include:  
*1 x SLR5300 Digital Repeater Station*  
*1 x Diamond Fiberglass Antenna*  
*1 x 30m RG8 Lowloss Coaxial Cable with Connectors*  
*1 x Compact Duplexer*  
*1 x Wiring Harness*  
*1 x Battery Cable*  
*1 x 100AH Deep Cycle Battery*  
*1 x 1KVA AVR, STAC Japan*  
*1 x 100ft Monopole Tower*  
*1 x Floor Mounted Rack Cabinet with Battery Compartment*  
NTC License for Repeater Station  
*1 - set Linked System for Ecozone Campus*  
To include:  
*1 x Digital Back-to-Back Voice Link System*  
*2 x Diamond Fiberglass Antenna*  
*2 x 30m RG8 Lowloss Coaxial Cable with Connectors*  
*1 x Wiring Harness*  
*1 x Battery Cable*  
*1 x 100AH Deep Cycle Battery*  
*1 x 1KVA AVR, STAC Japan*  
*1 x 60ft Monopole Tower*  
*1 x Wall Mounted Weatherproof Enclosure*  
*2 - sets Digital Base Station*  
Channel Capacity: Up to 1000  
Typical RF Output  
*\* low power: (1-25W VHF), (1-25W UHF band 1)*

*\* high power: (25-45W), (25-40W)*

Dimensions H x W x L) 53.3 x 175.3 x 205.7mm)

Weight: 3.9lbs (1.8kg)

Receiver:

Frequencies: 36-174MHz VHF, 403-470 MHz UHF

Channel Spacing: 12.5kHz/25 kHz

Analog Sensitivity (12dB SINAD): 0.3uV / 0.22uV (typical)

Spurious Rejection (TIA603D): (80dB VHF) (75dB UHF)

Audio Response: TIA603D

Transmission:

Low Power: (1-25W VHF) (11-W UHF)

High Power: (25-45W VHF) (25-40W UHF)

Modulation Limiting:  $\pm 2.5\text{kHz}@12.5\text{kHz}/\pm 5.0\text{kHz}@25\text{kHz}$

FM Hum and Noise:  $-40\text{dB}@12.5\text{kHz}/-45.0\text{dB}@25\text{kHz}$

Adjacent Channel Power:  $60\text{dB}@12.5\text{kHz}/70\text{dB}@25\text{kHz}$

Audio Response: TIA603D

Digital Vocoder Type: AMBE +2tm

Digital Protocol: ETSI TS 102 361-1, -2, -3

To include:

1 x Xir-M8668 Base Unit

1 x Diamond Fiberglass Antenna

1 x 30m RG8 Coaxial Cable with Connectors

1 x Antenna Connector

1 x 50A Regulated Power Supply with Battery Charger

1 x 100AH Deep Cycle Battery

NTC License for Land Base

1 - unit High-End Portable, Xir-P8668 with NTC License

11 - units Digital Portable, Xir-P3688 with NTC License

Channel Capacity: 16

Typical RF Output

Low Power: (1W VHF) (1W UHF)

High Power: (5W VHF) (4W UHF)

Frequency: 136-174 MHz VHF, 403-470 MHz UHF, 350-400 MHz

Radio Dimensions (H x W x D) with battery:

NiMH 1400mAH: 5.0 x 2.4 x 1.7 in (127.7 x 61.5 x 42.0 mm)

Slim Li-Ion 1600mAH: 5.0 x 2.4 x 1.5 in (127.7 x 61.5 x 39.0 mm)

Li-Ion 2200mAH: 5.0 x 2.4 x 1.8 in (127.7 x 61.5 x 44.0 mm)

Weight with battery:

NiMH 1400mAH: 14.3 oz (406 g)

Slim Li-Ion 1600mAH: 12.2 oz (341 g)

Li-Ion 2200mAH: 12.2 oz (346 g)

Power Supply: 7.5V (Nominal)  $\pm 20\%$

(Antenna Dependent)

24/7 Backup Generator

Secured Facility

Tower Use

The criteria to be used for the eligibility check of the prospective bidders, examination and evaluation of bids, post-qualification and all matters relevant to this procurement shall be in

accordance with Republic Act. No. 9184 (The Government Procurement Reform Act) and its Implementing Rules and Regulations.

Interested bidders may obtain further information from WMSU BAC Secretariat regarding the checklist of eligibility and technical requirements.

#### **IMPORTANT NOTICE FOR BIDDERS:**

1. Bidding papers shall be available upon payment of a non-refundable fee of **Five Hundred Pesos Only (Php.500.00)**. Eligible bidders that will download the bidding paper from the PhilGEPS website shall pay the said fee before the submission of their bids. (Please attached the Xerox copy of the Official Receipt)
2. All bidders' are required to post a Bid Security, at least Two (2%) Percent of the ABC in the form of Cash, Cashier's Check or Manager's Check or may submit Bid Securing Declaration. Bids without Bid Security will not be considered.
3. The Bidder shall prepare an original of the Eligibility Documents, Technical Proposal, Financial Proposal and clearly mark each "ORIGINAL – ELIGIBILITY DOCUMENTS", "ORIGINAL - TECHNICAL PROPOSAL", and "ORIGINAL – FINANCIAL PROPOSAL", respectively. Bidders shall submit three (3) copies of each bidding documents- "Original", Copy 1", and Copy 2". State the unit price of each item and the total bid price and also state the shortest time of delivery and submit your quotation duly signed by your representative in a sealed envelope.
4. Bid opening shall be on **October 3, 2019** at 10:00 A.M. at BAC Office, Ground Floor Executive Building, WMSU, Zamboanga City, Philippines, 7000. Bids will be opened in the presence of the Bidders representatives who choose to attend at the address above. Late bids shall not be accepted.
5. Price validity shall be for a period of 120 calendar days.
6. Bidders shall submit original brochures showing certifications of the product being offered.
7. Warranty shall be for a period of Six (6) months for supplies and materials. One (1) year for equipment, from date of acceptance by WESTERN MINDANAO STATE UNIVERSITY.
8. Bids received in excess of the ABC shall be automatically rejected at Bid Opening.

The WESTERN MINDANAO STATE UNIVERSITY reserves the right to reject any or all Bids and to accept the bid most advantageous to the government, and to award the contract by lot, if warranted.