

## MEGHALAYA BASIN MANAGEMENT AGENCY (MBMA)

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Issued on: March 25, 2023

### Clarification, Addendum and Corrigendum no. 1:

**“Procurement of 100 Nos. of Automatic Weather Stations for the office of Meghalaya Basin Management Agency (MBMA)”**  
**RFB Bid No: MBMA/CLLMP/2022-23/GD-74, Date of Issue of Bid Document: March 06, 2023**

Further to the RFB, the clarification, amendment, corrigendum, notified as below. All other requirements information, terms and conditions shall remain unchanged in the RFB

#### 1. Clarification of the pre-bid queries:

| Sl. No. | Clause Ref.                              | Original Clause   | MBMA response   |
|---------|--|---|---|
| 1.      | Page No. 65-66 Requirements              | A 3-meter-high triangular guy mast must be supplied, installed, and commissioned  | A 3-meter height of SS Tripod with the self-supporting structure and lightning arrestor should be provided  |
| 2.      | Page No. 65-66 Requirements              | Industrial grade spiral fences of high strength aluminum alloy with corrosive resistance and fastened with fiber reinforced Plastic FRP screws and entry gate with high strength aluminum alloy with corrosive resistance | GI chain link fencing of dimensions 5m x 5m and height shall be 2 meters  |
| 3.      | Page No. 68 NETWORK MANAGEMENT SOFTWARE: | A Network Management Software (NMS) shall be provided by the vendor to maintain individual station wise data which are connected with NMS through GSM/GPRS  | The vendor should provide the NMS software and MBMA will provide the server/hardware  |
| 4.      | Page No.73 BATTERY & CHARGING SYSTEM     | 2. Bidder Should provide Sealed Maintenance Free Lead Acid (VRLA) Batteries for 12V/75 Amp-Hour capacity or higher.<br>4. The combined capacity of the Solar panels should be 150Watts for 12 VDC configuration.          | Bidder shall quote the power supply and provide the power budget calculation and shall consider 20 days battery economy during cloudy day or without charging the battery |
| 5.      | Page Number 41 - Section 3.1             | The bidder must have successfully completed project   | There is no restriction in the number of work orders but  |

| Sl. No. | Clause Ref.                                  | Original Clause  | MBMA response   |
|---------|--|--|---|
|         | - Section 3.1                                | successfully completed project of Govt /PSU / Bank for Supply, Installation & Maintenance of Automatic Weather Stations of minimum 20 AWS during last five (5) financial years | number of work orders but should be for last five (5) years   |
| 6.      | Page Number 66<br>- Scope of Work,<br>pt. 18 | Location of the sites  | The location will be shared later. But the tentative locations are in all District offices and Sub-Divisional offices in the State  |
| 7.      | Page Number 68,<br>no 9                      | Storage of data should be in cloud as well as data should be transferred to control room server  | The data should be in the server storage of MBMA.   |
| 8.      | Page Number 70                               | Wind sensor type is mentioned as Ultrasonic  | Wind sensor type shall be Ultrasonic  |
| 9.      | Page no. 69                                  | Air Temperature Sensor and Relative Humidity Sensors   | SHT35 or PT1000 temperature sensors will be accepted  |
| 10.     | Additional clarification                     | The delivery of all material should be in a single location or each individual location  | The materials and equipment should be delivered, installed, commissioned, test in several locations in all the districts in Meghalaya   |
|         |  | Should we send the data to the NMS software via GSM/GPRS, so is mobile internet connectivity are available in all locations?   | Locations shall be selected where we will be having the network access  |
|         |  | NMS software is only for monitoring all individual locations data only or we have to generate any advisory also by NSW?  | NMS software is only for monitoring all individual locations data and remote weather station shall have the facility to send SMS in case if any parameter reaches the threshold condition. Also, on threshold like low limit and high limit set point we should get an alert SMS contains the current value of particular parameter |
|         |  | Is data sharing on FTP is required   | Yes, data should be shared on FTP   |
|         |  | Is sample test required  | Yes, sample test is required  |
|         |  | Procurement of SIM cards and their recharge plans  | Procurement of SIM cards and their recharge plans will be in  |



| Sl. No. | Clause Ref. | Original Clause  | MBMA response   |
|---------|-------------|--|---|
|         |             | Rain Gauge   | Stainless-Steel/ Aluminum Rain Gauge will be accepted                 |
|         |             | Orifice diameter of TBRG   | Orifice Diameter: 9.6"  |
|         |             | Battery and Charging system: Dual power source solar & electric line | WMS shall support Dual power supply (Solar Panel/230VAC) for charging |

## 2. Addendum in the RFB

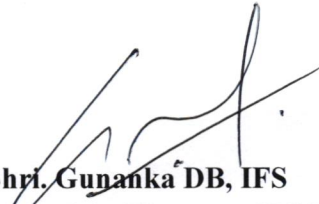
| Sl. No. | Clause Ref.                                | Original Clause  | Updated Clause  |
|---------|--|--|---|
| 1.      | Additional requirement in the RFB document | IOT based Automatic Weather Station (AWS) - Advanced - 20 quantity and other relevant sections in the RFB document | There is an additional requirement of <b>2 Basic AWS</b> . Hence, the total quantity required for Basic AWS is <b>22 nos</b> .<br>Please read the updated clause as " <b>IOT based Automatic Weather Station (AWS) - Advanced - 22 quantity</b> " |
| 2.      | Additional requirement in the RFB document | 360-degree Outdoor CCTV Camera   | The bidders are required to provide a <b>separate Financial Quotation of the "360-degree Outdoor CCTV Camera"</b> for <b>22 nos. of AWS</b> . This quotation will not be part of the Financial Evaluation of this RFB.                            |

## 2. Corrigendum in the RFB:

| Sl. No. | Clause Ref.                           | Original Clause  | Amended Clause   |
|---------|---------------------------------------|--|--|
| 1.      | Page no. 63                           | List of Related Services and Completion Schedule<br><br>Within 12 weeks from the date of contract signing for 20 stations and 6 months for 80 stations   | Please read the updated clause as " <b>Within 4 months from the date of contract signing for 22 Stations and 8 months for 80 stations</b> ". |
| 2.      | Page No. 66<br>3. Scope of Work<br>12 | 360-degree Outdoor CCTV Camera with 1month data storage inbuilt/SD card must be installed on the top of the AWS system for 24/7 monitoring/ surveillance | Please read the updated clause as " <b>The CCTV Camera is Out of Scope</b> " in this RFB.  |

| Sl. No. | Clause Ref.                                | Original Clause   | Amended Clause  |
|---------|--|---|---|
| 3.      | Page No. 67<br>4. Technical Specifications | 12V rechargeable Lead Acid Battery,<br>Solar Panel, Charge Controller, Meteorological Sensors, and Accessories  | Please read the updated clause as <b>"12V rechargeable Lead Acid Battery or Li-cell batteries, Solar Panel, Charge Controller, Meteorological Sensors, and Accessories"</b>   |
| 4.      | Page no. 69                                | Air Temperature Sensor Details (Qty: 1No): -<br>Sensing Element: SHT35 derivative (specially coated for reliability)  | Please read the updated clause as <b>"SHT35 or PT1000 temperature sensors will be accepted"</b>   |
| 5.      | Page No. 69                                | Rain Gauge (Qty: 1No):<br><br>Accuracy: up to 2 inch/h $\pm 1\%$  | Please read the updated clause <b>"Accuracy:<br/><math>\pm 2\%</math> or better, for rain rate up to 25 mm/hr<br/><math>\pm 3\%</math> or better, for rain rate between 25 to 50 mm/hr<br/><math>\pm 4\%</math> or better, for rain rate between 50mm/hr to 100 mm/hr<br/><math>\pm 5\%</math> or better, for rain rate &gt;100 mm/hr"</b>  |
| 6.      | In the RFB document                        | Warranty and AMC period of AWS for 20 stations and 80 stations  | Please read the updated clause as <b>"3 years warranty"</b>   |
| 7.      | Page No. 105<br>GCC 16.1<br>GCC 16.1       | Payment shall be made in Indian Rupees, as follows:<br>(i) On Delivery: For 20 AWS: Ten (10) percent and 80 AWS: Ten (10) percent of the Contract Price shall be paid on receipt of the Goods upon submission of the documents specified in GCC/ SCC Clause 13. Payment shall be made within 30 days<br>(ii) On Final Acceptance: 20 AWS: Thirty (30) percent and 80 AWS: Thirty (30) percent of the Contract Price shall be paid on acceptance of the supply, installation and commissioning of the equipment with 30 days.<br>(iii) 1 Year AMC: Five (5) percent of the Contract Price for each quarter shall be paid on receipt of the invoice from the Supplier. Payment will be done | Please read the updated clause as:<br><br><b>On Delivery: 30 %</b><br>22 AWS: 15 % on the contract price<br>80 AWS: 15 % on the contract price<br><br>Of the Contract Price shall be paid on receipt of the Goods upon submission of the documents specified in GCC/ SCC Clause 13. Payment shall be made within 30 days<br><br><b>On Final Acceptance: 50%</b><br>22 AWS: 25 % on the contract price<br>80 AWS: 25 % on the contract price<br><br>Of the Contract Price shall be paid on acceptance of the |

| Sl. No. | Clause Ref.                         | Original Clause   | Amended Clause  |
|---------|-------------------------------------|---|---|
|         |                                     | within 15 days  | supply, installation and commissioning of the equipment with 30 days.<br><br><b>1 Year AMC: 20%</b><br>Five (5) percent of the Contract Price for each quarter shall be paid on receipt of the invoice from the Supplier. Payment will be done within 15 days |
| 8.      | Page 73                             | Enclosures  | Please read the updated clause as " <b>Nema4x/IP65 Enclosures</b> "   |
| 9.      | Pg.50 Price and Completion Schedule | For Supply as per Schedule of Requirements:<br>AMC - 5 Years (The AMC should be provided as a separate financial declaration and should not be included in the Total Cost) for 100 quantities | Please read the updated clause as " <b>AMC - 3 Years (The AMC should be provided as a separate financial declaration and should not be included in the Total Cost) for 100 quantities</b> "   |

  
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