



**Odisha State Disaster Management Authority (OSDMA)**  
**Government of Odisha**  
**Rajiv Bhawan, Bhubaneswar-751001, Odisha**

**2<sup>nd</sup> CORRIGENDUM**

**TO REQUEST FOR PROPOSAL DOCUMENT FOR ESTABLISHMENT OF AWS & ARG NETWORK IN THE STATE OF ODISHA**

**Ref No. 886/OSDMA dated 07.03.2018**

**No: 1724/OSDMA**

**Date: 24.04.2018**

In reference to the tender notice No.886/OSDMA dated 7.3.2018, Request for Proposal are invited for Procurement of GPRS based Automatic Weather Stations (AWS) & Automatic Rain Gauges(ARG), Data Receiving Servers and LED Display facility. The first corrigendum was issued vide No.1441/OSDMA dated 7.04.2018. Some of the conditions/descriptions in the original RFP document as well as in the 1<sup>st</sup> corrigendum are hereby modified as per the followings.

<b>SL No.</b>	<b>page / para</b>	<b>Description in the RFP document</b>	<b>Amendments/ Clarifications in the 1<sup>st</sup> Corrigendum</b>	<b>Modifications</b>
1	Page -2 para 2 (b)	The bidder should be a profit making firm and must have minimum annual turnover of INR 50 Crores for consecutive past three years.	In the case of consortium, the cumulative turnover of the members of the consortium will be considered. The lead member must have minimum	The bidder must have positive net worth and must have minimum annual turnover of INR 50 Crores for consecutive past three years. A certification in this regard from a reputed CA firm must be submitted. In case of consortium, the cumulative turnover of the members of the consortium will be considered. The lead member

			50% of the financial eligibility.	must have minimum 50% of the financial eligibility.
2	Page -3 para- 4	Date and time for the submission and opening of bid <ul style="list-style-type: none"> <li>• Sale of tender document: <b>09.03.2018 at 11.00 AM to 09.4.2018 at 1.00 PM</b></li> <li>• Last date for Receipt of completed tender document: <b>09.04.2018 up to 6.00 PM.</b></li> <li>• Opening of Tender paper: <b>10.04.2018 at 11.00AM</b></li> </ul>	<ul style="list-style-type: none"> <li>• Sale of tender document: <b>09.03.2018 at 11.00 AM to 25.4.2018 at 2.00 PM</b></li> <li>• Last date for Receipt of completed tender document: <b>25.04.2018 up to 6.00 PM.</b></li> <li>• Opening of Tender paper: <b>26.04.2018 at 11.30AM</b></li> </ul>	<ul style="list-style-type: none"> <li>• Sale of tender document: <b>up to 10.5.2018 till 2.00 PM</b></li> <li>• Last date for Receipt of completed tender document: <b>10.05.2018 up to 5.00 PM.</b></li> <li>• Opening of Tender paper: <b>11.05.2018 at 11.30AM</b></li> </ul>
3	Page -19 21	<b>Specification of data logger and GPRS modem</b>		<p><b>A. Specification of data logger for AWS:</b> As in RFP document Point: 21 (ii) to (xviii) and 1<sup>st</sup> Corrigendum SI No 15</p> <p><b>B. Specification of data logger for ARG</b></p> <ol style="list-style-type: none"> <li>1. The data logger should have at least four built-in high performance analog channels.</li> <li>2. Two pulse counters for rainfall measurement are to be provided in the data logger.</li> <li>3. The sampling and measurement interval for individual parameters shall also be user selectable (1 sec or user defined).</li> <li>4. The data logger should have storage capacity of 1 GB or minimum one year storage capacity of all parameters at 1 minute averaging to store the data for specified parameter at user defined intervals in distinct multiple log files for each sensor and other related parameters for minimum one year.</li> </ol>

				<ol style="list-style-type: none"> <li>5. The data logger shall have suitable 4G single SIM GPRS modem for data transfer to server through ftp at an interval of every 10 minutes.</li> <li>6. It shall be possible for changing/transfer the Data logger setup, customize programs etc. or software up gradation by interfacing data logger with a laptop or PC through RS232/ Ethernet port/USB port with proper user authentication.</li> <li>7. Data logger should have inbuilt keypad and 2 line backlit LCD display in the front panel with menu driven facility to display at least 16 characters per line.</li> <li>8. In order to facilitate data processing, the data logger shall have a provision for 24 hour Real Time Clock (RTC) powered by a battery (with min. two years" lifetimes) to ensure that time is maintained even during power outages. The Data logger shall have provision to easily include and change the "Unique station identification code", "Station Name", "Time of observation and transmission", "Measurement schedule" and "Sensor identification information", for all parameters, as mandatory requirements. Any change in the Data logger should be properly logged along with user, date and time details with RTC accuracy.</li> <li>9. Data logger should have facility to calculate and disseminate Daily Maximum Temperature at 12 UTC; Daily Minimum Temperature at 03 UTC; Daily Maximum from every minute logged data in the Data logger to OCAC, OSDMA &amp; IMD Pune Central Server.</li> <li>10. Datalogger should have facility to calculate and disseminate daily commutative rainfall at 0300 UTC and also every 10 minutes interval rainfall data.</li> <li>11. The recorded data should have facility to download by USB drive in csv format.</li> <li>12. Power Supply: 12VDC</li> </ol>
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				<p>13. Features of data logger</p> <table border="1"> <tr> <td>ADC Resolution</td> <td>:</td> <td>16 bit or better</td> </tr> <tr> <td>Conversion Accuracy</td> <td>:</td> <td>± 1 LSB</td> </tr> <tr> <td>System clock</td> <td>:</td> <td></td> </tr> <tr> <td>Stability Long-term</td> <td>:</td> <td>1 ppm/year or better</td> </tr> <tr> <td>Stability (Temperature)</td> <td>:</td> <td>3 ppm or better from -10°C to 55°C</td> </tr> <tr> <td>Internal Memory</td> <td>:</td> <td>To meet the requirement stated above</td> </tr> <tr> <td>Battery Backup (internal)</td> <td>:</td> <td>Lithium Battery, storage: minimum 2 years</td> </tr> <tr> <td>Real-Time Clock</td> <td>:</td> <td>Internet time synchronized</td> </tr> <tr> <td>Watchdog Timer</td> <td>:</td> <td>System Reset upon microprocessor failure</td> </tr> <tr> <td>SamplingRate</td> <td>:</td> <td>1 sec (minimum)</td> </tr> <tr> <td>Measurement Intervals</td> <td>:</td> <td>1 sec to 60 sec in 1 sec interval 1 Min to 60 min in 1 min increments <b>(All above should be user selectable separately and distinctly for individual sensors.)</b></td> </tr> <tr> <td>Operating Temperature range</td> <td>:</td> <td>-20°C to + 85°C</td> </tr> <tr> <td>(a) Operating Humidity</td> <td>:</td> <td>0-100% non-condensing.</td> </tr> </table>	ADC Resolution	:	16 bit or better	Conversion Accuracy	:	± 1 LSB	System clock	:		Stability Long-term	:	1 ppm/year or better	Stability (Temperature)	:	3 ppm or better from -10°C to 55°C	Internal Memory	:	To meet the requirement stated above	Battery Backup (internal)	:	Lithium Battery, storage: minimum 2 years	Real-Time Clock	:	Internet time synchronized	Watchdog Timer	:	System Reset upon microprocessor failure	SamplingRate	:	1 sec (minimum)	Measurement Intervals	:	1 sec to 60 sec in 1 sec interval 1 Min to 60 min in 1 min increments <b>(All above should be user selectable separately and distinctly for individual sensors.)</b>	Operating Temperature range	:	-20°C to + 85°C	(a) Operating Humidity	:	0-100% non-condensing.
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4	Page-24 Para 25	xviii <u>Database (oracle) in all servers</u>	xviii Database (oracle) software in all servers	xviii Oracle Database 11g with latest Release software in central server at OCAC																																							

5	Page 29 31(a)	<p>Delivery of all equipment and accessories shall be done in three consignments within 9 months from the date of placement of supply order <b>(For Indian supplier)</b> and from the date of opening of Letter of Credit. <b>(For Foreign supplier)</b></p> <p>1st Consignment: 320 AWS &amp; about 3000 ARG System and central servers within three months from the date of placement of supply order</p> <p>2nd Consignment: About 2000 ARG System and central server within three months after delivery of 1<sup>st</sup> consignment.</p> <p>3rd Consignment: About 1000 ARG System and central server within three months after delivery of 2<sup>nd</sup> consignment.</p>	<p>Delivery of all equipment and accessories shall be done in three consignments within <b>12 months</b> from the date of placement of supply order <b>(For Indian supplier)</b> and from the date of opening of Letter of Credit. <b>(For Foreign supplier)</b></p> <p><b>1st Consignment:</b> 150 AWS &amp; 2000 ARG (Category A-400,Category B&amp;C-1600) System and central servers and 355TV units within <b>six months</b> from the date of placement of supply order.</p> <p><b>2nd Consignment:</b> 100 AWS &amp; 2000 ARG(Category A-300,Category B&amp;C-1700) System within three months after delivery of 1<sup>st</sup> consignment.</p> <p><b>3rd Consignment:</b> 70AWS &amp; 2000 ARG (Category A-300,Category B&amp;C-1700) System within <b>three months</b> after delivery of 2<sup>nd</sup> consignment.</p>	<p><b>Delivery, installation and commissioning</b> of all equipment and accessories shall be done in three consignments within <b>12 months</b> from the date of placement of supply order <b>(For Indian supplier)</b> and from the date of opening of Letter of Credit. <b>(For Foreign supplier)</b></p> <p><b>1st Consignment:</b> 150 AWS &amp; 2000 ARG (Category A-400,Category B&amp;C-1600) System and central servers and 355TV units within <b>six months</b> from the date of placement of supply order.</p> <p><b>2nd Consignment:</b> 100 AWS &amp; 2000 ARG(Category A-300,Category B&amp;C-1700) System within three months after delivery of 1<sup>st</sup> consignment.</p> <p><b>3rd Consignment:</b> 70AWS &amp; 2000 ARG (Category A-300,Category B&amp;C-1700) System within <b>three months</b> after delivery of 2<sup>nd</sup> consignment.</p>
6	Page 30 para 32(i)	<p>a) Only 50% of the Project cost will be paid after successful supply of hardware/material.</p>	<ul style="list-style-type: none"> <li>• 5% advance against bank guarantee.</li> <li>• 40% on Delivery and successful installation</li> </ul>	<ul style="list-style-type: none"> <li>• 5% advance against bank guarantee.</li> <li>• 50% on Delivery installation and commissioning at specified location and upon receipt uninterrupted data at desired intervals for 15 days as per the schedule mentioned in Page 29</li> </ul>

		<p>b) Final 50 % of the project cost will be paid after installation &amp; Commissioning of AWS &amp; ARG.</p> <p>c) It is to be noted that the bidder may submit bills for payment after completion of supply/installation/maintenance for every 50 numbers of AWS &amp; 500 numbers of ARG stations or more in each part (However in the final part the number of station may be less than 50, as actual). Bills of both Hardware and software of central servers including 355 LED display systems should be made</p>	<p>at specified location and upon receipt uninterrupted data at desired intervals for 15 days as per the schedule mentioned in Page 29 para 31(a) above</p> <ul style="list-style-type: none"> <li>• 10% at acceptance of the the end of 1<sup>st</sup> year warranty</li> <li>• 15% at the end of 2<sup>nd</sup> year warranty</li> <li>• 10% at acceptance of the the end of 1<sup>st</sup> year CAMC</li> <li>• 10% at the end of 2<sup>nd</sup> year CAMC</li> <li>• 10% at the end of 3<sup>rd</sup> year CAMC</li> </ul>	<p>para 31(a) above</p> <ul style="list-style-type: none"> <li>• 10% at acceptance of the end of 1<sup>st</sup> year warranty</li> <li>• 10% at the end of 2<sup>nd</sup> year warranty</li> <li>• 10% at acceptance of the end of 1<sup>st</sup> year CAMC</li> <li>• 7% at the end of 2<sup>nd</sup> year CAMC</li> <li>• 8% at the end of 3<sup>rd</sup> year CAMC</li> </ul>
7	Page 49-51 Annexure -VIII	Deliverables		To be changed as per the modification