

Corrigendum 1 – Update on Technical, General & Commercial Terms and bid submission date

Dated: 24/11/2021

Reference - This corrigendum has been issued for NIT/BID document No: **AEML - MDB -2021 -22 -64 for Supply of Three Phase Portable handheld Reference standard Meter (RSM) for LT meter testing with all applicable accessories, SDK, Data Integration & Comprehensive Warranty**

With Reference to the above, the **corrigendum 1** to the tender is hereby issued as follows:

Bid submission details: -

Description	Details	Mode	Remarks
Bid Submission Date	30/11/2021 18:00 Hrs IST	Online	Bid submission date extended till 30 th Nov 2021

Update on Technical, General & Commercial Terms: -

Clause Number as per tender	Type of queries (Commercial/General/Technical/Others)	AEML comment
Section II- clause no. 1 "preparation of bids" point A - EMD asked in envelope –I, scan copies to be submitted online. In case of EMD in form of bank guarantee shall be submitted In hard copy. Please clarify.	Commercial	EMD to be submitted online and EMD transfer details to be attached along with tender documents
Section-III Supply of material & comprehensive warranty	Technical	Accepted
Section-III Integration B	Technical	Accepted
Section-III Integration C	Technical	Accepted

Section-III Integration point no. G	Technical	Accepted
Section-III Integration point no. J	Technical	Accepted
Section-III Integration point no. K	Technical	Utility will provide required keys to successful bidder
Section-III Clause no. 3	Technical	Bidder shall provide 5 Year warranty & next 5 year material availability also TAT of 72 hrs max.
Section V Point 1	Technical	Yes
Section V Point 2	Technical	Accepted
Section V Point 15	Technical	51st
Section V Point no 18.4	Technical	Required to provide APIs for integration with Web services also connectivity may be wifi / bluetooth
Section V Point no 18.10	Technical	Connector type and cable is already standardized
Section V Point no. 19.3	Technical /commercial	As per schedule
Section I - Information to Bidder Clause 3.4 of Qualifying Requirement Financial Criteria: Average annual turnover for each of the last three financial year sending 31st March 2021 (for Indian bidder) or 31st December 2019 (for internationalbidder, if and as applicable). In case of consortium bids, combined turnover of all the consortium partners shall be considered. Applicable for Indian Company : INR 3 Crore	Commercial	Acceptable

<p>Section III - Scope of Work (supply of Material & Comprehensive Warranty as per BOQ) Point No.A Portable handheld Reference standard Meter (RSM) for in lab & on field testing of Single Phase, Three Phase Direct connected / Three Phase whole current meter, Three Phase CT operated LT Meter, All Smart Meters & AC EV Charging meters.</p>	<p>Technical</p>	<p>Scope: HT - 3P3W/ 3P4W LTCT 3P4W Whole Current 3P4W/1P2W</p>
<p>Section III - Scope of Work (supply of Material & Comprehensive Warranty as per BOQ) Point No.R Meter Reading optical cords with one end as probe and second end as C-Type USB.</p>	<p>Technical</p>	<p>Accepted</p>
<p>Section III - Scope of Work (supply of Material & Comprehensive Warranty as per BOQ) Point No.F Portable Thermal Printer with high quality paper & long- lasting jet ink. Section - V - Technical Specification Point No.16 Inbuilt Thermal Printer</p>	<p>Technical</p>	<p>Thermal Printer can be inbuilt type or bidder can provide bluetooth enabled & battery powered external printer</p>
<p>Section III - Scope of Work - Integration Point No.B There should be provision for entering execution order triggered from SAP in device so that all meter testing data should be attached to that ordered.Web application services should be available to incorporate execution order number and fetching data from device to AEML</p>	<p>Technical</p>	<p>Accepted</p>

Mobile Application & SAP ISU.		
Section III - Scope of Work - Integration Point No.D Vendor will Provide software development kit (SDK) and vendor will facilitate Integration & Testing of SDK with AEML developed android based Mobile Applications in devices provide by vendor. This data transfer will be of plug and play type hence neither further customization nor development require for this	Technical	Accepted
Section III - Scope of Work - Integration Point No.G Device should have SD Card with Memory minimum up to 2 GB to store meter testing data as per specification provide in this tender document.	Technical	Accepted
Section III - Scope of Work - Integration Point No.H Device Should have connectivity for USB, RS-232 and optical interface for complete meter data / reading downloads, 4G/3G/2G/wireless & GPS.	Technical	Accepted
Section III - Scope of Work - Integration Point No.K Device will be able to fetch meter data & readings with the help of meter reading optical ports from every make of meters.	Technical	Requirement for Dial test / Long run test

<p align="center">Section III - Scope of Work - Detail Description of Scope (2. Training)</p> <p>Any bidder making a proposal to AEML must demonstrate compliance to the Indian Standards with latest amendments.</p>	<p align="center">Technical</p>	<p align="center">Reference shall comply IS 12346 & IEC</p>
<p>Section IV - Bill of Quantity Point No.4</p> <p>Three Phase Portable handheld Reference standard Meter (RSM) of 0.05 class for Single Phase, Three Phase Direct connected / Three phase whole current meter, Three Phase CT operated LT Meter & Smart Meter testing with all applicable accessories, software & SDK</p>	<p align="center">Technical</p>	<p align="center">Direct Connection - 0.05 for current and voltage range 0.2 for 1000A & 100A C.T for current and power factor range mentioned in specification</p>
<p>Section IV - Bill of Quantity Point No.4</p> <p>RYB 1000A Clamp on CT @ accuracy 0.2 (Set of 3 for RYB Phase) Qty 70nos</p>	<p align="center">Technical</p>	<p align="center">Yes</p>
<p>Section V - Technical Specifications Point No. 8.3 Isolation Protection IEC 61010-1:2010</p>	<p align="center">Technical</p>	<p align="center">Ok</p>
<p>Section V - Technical Specifications Point No. 9.1</p> <p>Voltage range 0 to 300V</p>	<p align="center">Technical</p>	<p align="center">Accepted</p>
<p>Section V - Technical Specifications Point no 11 Power /Energy (30V to 300V)</p>	<p align="center">Technical</p>	<p align="center">Voltage Range already commented</p>
<p>Section V - Technical Specifications Point no 10.8</p>	<p align="center">Technical</p>	<p align="center">51st harmonics</p>

Bandwidth - 30Hz to 10 KHz		
Section V - Technical Specifications Point No 13- Power Measurement under influence of harmonics (Shall be able to display individual harmonics order upto 31st harmonics)	Technical	51st harmonics
Section V - Technical Specifications Point No 18.9 Display - TFT Integrated Display	Technical	Kindly submit as a deviation
Section V - Technical Specifications Point No 19.1 Display resolution - between 0 to 9 upto seven digits in High resolution	Technical	Resolution shall as per accuracy
Section V - Technical Specifications Point No 19.3 50% in 4th Weeks & balance 50% in 6th weeks from date of PO issued to Vendor	Technical	Kindly submit as a deviation
F1 FY 2020-21 Accounts statements are under audit so we request you to allow us Previous 3 Yrs Turnover data, i.e. till 31st March 2020.	Financial Qualification Criteria	Acceptable
Section VII	General	Submit as deviation
Qualifying requirement of Technical Qualification criteria T1	For at least 5 years as on tender date.	Warranty Clause will be taken care of

Section V Technical Specification Sr. No 8.2	Degree of Protection IP-51	Submit as a deviation
Section V Technical Specification Sr. No 10.1	Direct (upto 12A) 1mA-12A	Provide uncertainty 1mA to 10A
Section V Technical Specification Sr. No 10.2	0.02% of Measured value	
Section V Technical Specification Sr. No 10.3	Clamp on CT Range(100A) 10mA-100A	Provide uncertainty 10mA to 100A
Section V Technical Specification Sr. No 10.4	Measurement Error 0.20%	
Section V Technical Specification Sr. No 14.4	More than 200kHz	Accepted
Section V Technical Specification Sr. No 18.5 & 18.6	On TFT Display Portable Handheld	Integrated display required
Section V Technical Specification Sr. No 18.9	TFT Integrated	

Warranty Clause	Amended	<p>The Supplier shall provide comprehensive warranty for a period of 60 months from the date of installation, and this includes following clauses:</p> <p>Conform in all material respects with their description and any applicable Specification.</p> <p>Be free from material defects in design, material, and workmanship.</p> <p>Be of satisfactory quality</p> <p>The defect arises because the Customer failed to follow the Supplier's oral instructions as to the storage, commissioning, installation, use and maintenance of the Goods.</p> <p>The defect arises as a result of wear and tear, willful damage, negligence, or abnormal storage or working conditions; or</p> <p>The Goods differ from the Specification as a result of changes made to ensure they comply with applicable statutory or regulatory requirements; or</p> <p>In such circumstances the Supplier will repair the Goods without any cost complication.</p> <p>For complying warranty clause it is mandatory for OEM to have support centres in India only.</p>
Bid Submission date	Revised	revised bid Submission date will be 30.11.2021