

 प्रभास्मि शशि सूर्ययोः	<b>JAIPUR VIDYUT VITRAN NIGAM LIMITED</b> <b>(A Govt. of Rajasthan Undertaking)</b> Regd. Office: Vidyut Bhawan , Jyoti Nagar, Jaipur- 302005 <b>Office of the Superintending Engineer (IT)</b> 3 <sup>rd</sup> Floor, Data Center, Old Power House, Bani Park, Jaipur- 302006 <b>Website : <a href="http://www.energy.rajasthan.gov.in/jvvn1">www.energy.rajasthan.gov.in/jvvn1</a></b> <b>email ID: <a href="mailto:seit@jvvn1.org">seit@jvvn1.org</a></b>
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No. JPD/SE (IT)/F. TN-62 /D. 215

DATE: 8.5.2018

**AMENDMENT AGAINST TN-62****(Login ID No. 2017 JVVNL 79660 3)**

In the tender "Implementation of AMR system for DTs and Consumers on Infrastructure As A Service (IaaS) Basis' under TN-62, the following amendment is made as under:

**A. Pre-Qualification Requirement: (C) Technical Qualification Criteria – 'For Meter Manufacturer Only', be amended (and where ever applicable) as under:**

QR No.	Qualification Requirement	Supporting Document Required
C	Technical Qualification Criteria	
For Meter Manufacturer Only		
2	The Bidder must have successfully Supplied / implemented AMR or AMI projects in an Indian/ Global Power Distribution Utility in the last 7 years. Project should include the Supply / implementation of AMR system comprising Meters, Modem, LTCT, meter box or Composite Unit comprising of meter, inbuilt modem, LTCTs etc. with communication system through GPRS and MDAS/HES application.	Individual client's PO/WO/LOI/ LOA/ Contract/ Certification on client letterhead. Performance Certificate/ Supply Certificate/MRC/ Excise Invoice and contact details of client needs to be submitted.

**B. Section 1 Introduction & Objective,**

Clause 1.2.1, be read as:

Installation of AMR system for DTs: The objective is to implement an AMR system which will enable the Discom to capture consumption data from an energy meter. The data can be used to analyze usage and manage consumption and to identify and resolve technical issues of its network.

**C. Section 1 Introduction & Objective,**

Clause 1.2.2, be read as:

Installation of AMR system for Consumers: The objective is to implement an AMR system covering communication devices, data acquisition, analysis and reporting system.

**D. Section 6 General Technical Specifications, be amended as:**

The General Technical Specifications of the various equipment's / items are available as Volume 2 of this tender document. These are the indicative technical specifications for the various items to be deployed.

Any better specifications/fixing arrangements is also acceptable with prior approval of JVVNL. The successful bidder has to get approval of the prototype of DT metering set before starting the installation work.

All the material deployed by the bidder shall be as per latest amended IS/JVVNL specification.

**E. Volume -2, General Technical Specifications**

Sr. No.	Clause No.	Present Statement	Amended Statement
<b>TECHNICAL SPECIFICATION FOR EPOXY RESIN CAST RING TYPE LT. CURRENT TRANSFORMER</b>			
1	Clause no. 3.09.2	The type test report shall not be older than 3 years from date of opening of tender.	Type test report shall not be older than 5 years from date of opening of tender.
2	General Technical Particulars for LT Current Transformer	24. Knee Point Voltage	Deleted
<b>TECHNICAL SPECIFICATION FOR SMC METER BOXES COMPRISING METER &amp; MODEM BOX AND CT BOX MANUFACTURED FROM THERMOSETTING PLASTIC</b>			
3	Clause 2, point h.	h) The box should have a window of approx. size 140mm X 120mm provided with glass or transparent polycarbonate sheet.	The box should have a window of suitably size provided with triplex glass or transparent polycarbonate sheet to view the display of meter.
<b>GSM MODEM SPECIFICATIONS</b>			
4	Features	The modem should be able to receive data from DLMS meter (Indian standard doc ETD 13 (6211)) and also with existing meters of Discom. It should send data to server in CDF format.	The modem should be able to receive data from DLMS meter (Indian standard doc ETD 13 (6211)) and also with existing meters of Discom. It should send data to server.
5	Power – Input	10kv surge protection with inline fuse.	6kv surge protection with inline fuse.
6	Power – Input	The connection to the power receptacle is plug-in type & the connection to CAMR are latch-in type.	The connection to the power receptacle is plug in or Non plug- in type & the connection to CAMR are latch-in type.
7	Communication – Antenna	Fixed or flexible antenna Gain Mag Point type – 3dbi, PPA 5-10 dbi	Fixed or Flexible antenna suitable for communication purpose with magnetic base.

Sr. No.	Clause No.	Present Statement	Amended Statement
8	Physical/Mechanical	Protection against water and dust and proper sealing of the modem should be ensured and is IP: 55 compliant.	Protection against water and dust and proper sealing of the modem should be ensured and is preferably IP: 54 compliant.
<b>TECHNICAL SPECIFICATION FOR MOULDED METER BOX SUITABLE FOR THREE PHASE STATIC ENERGY METERS WITH MODEM</b>			
9	Clause 2.1, Material and Standards	The design of the meter box shall be such that a separate chamber on top side of the box for housing GSM/GPRS modem is provided. The upper section of the box for housing GSM/GPRS modem shall be separated from the lower chamber of the box for housing meter by a 2mm thick polycarbonate sheet i.e. of the material same that of meter box, with a space for connecting interface cable between modem and RS 232 port of meter. The dimension for the chamber for housing meter shall be as detailed in spec.Cl.2.4.1 of meter box and dimension for housing GSM/GPRS modem shall be sufficient to accommodate modem having size L (225 mm) x H (135mm) x D (45mm).	The box shall be suitable for housing of Meter and GPRS Modem.
10	Clause 2.4.1	<p>The upper section of the meter box should be for holding the modem as shown in the drawing below and shall be sufficient to accommodate modem having size L(225 mm) x H (135mm) x D (45mm).</p> <p>However, the dimension of the meter chamber shall remain same as detailed in the above specification.</p> <div data-bbox="649 1787 998 1930" style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">Modem Section</p> <hr style="border: 0.5px solid black;"/> <p style="text-align: center;">Meter Section</p> </div>	The box shall be suitable for housing of Meter and GPRS Modem.



Sr. No.	Clause No.	Present Statement	Amended Statement
11	Clause no. 2.6 – Sample	Furnishing of samples shall be as per clause No. 16.0 of technical specifications (Schedule-III-Volume-'A')	Deleted
<b>TECHNNICAL SPECIFICATIONS OF 3 PHASE, 4 WIRE A.C STATIC LT TRIVECTOR ENERGY METER OF CLASS OF ACCURACY 0.5S OF CATEGORY 'A' WITH DLMS PROTOCOL</b>			
12	Clause 3.20 Display Sequence, Point (E) Handheld Unit (HHU)	The HHU shall be supplied by the meter manufacturer along with the meter @ 1% of ordered quantity.	Deleted



(R. A. Sharma)

Superintending Engineer (IT)

Copy to the Account Officer (IT & RE), JVVNL, Jaipur for information and necessary action:



Superintending Engineer (IT)