

JAIPUR VIDYUT VITRAN NIGAM LIMITED  
 OFFICE OF THE SUPERINTENDING ENGINEER (MM)  
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NO.JPD/SE/MM/SPO-IV/TN-2356/D. 2671

DATED: 01.10.2016

### CORRIGENDUM No. 3

#### TN-2356

### (TENDER ENQUIRY FOR PURCHASE OF THREE PHASE STATIC ENERGY METERS WITH METER BOX HAVING DLMS PROTOCOL WITH ADDL. PORT ON LPRF TECHNOLOGY)

The Addendum/Corrigendum in the above technical specification is issued as under:-

#### Technical Specification (Section-III)

Following clauses are hereby amended to read as under:-

Sr. No.	Spec. Clause no.	Particulars	To be read as under:-
1.	7.6(g)	Phase split & neutral disconnection tamper	This clause is hereby deleted
2	8.0(k)	The communication software must be capable to transfer cumulative active energy with date & time and meter Sr. No. required for automatic spot billing using any standards optical port as well as LPRF port enabled spot billing machine(SBM), within 60 seconds, to automatically generate the energy consumption bills at consumers premises without any human intervention after the data is collected from CMRI. The CMRI should continuously transmit the data until an acknowledgement is received from the SBM. The successful bidder should provide the protocol and other information to decipher the transmitted billing data and meter Sr.No for the spot billing purpose through SBM. the data communication with the meter shall be encrypted so that there is no possibility of tempering with the download data.	<b>This clause is hereby amended to read as under:-</b> The communication software must be capable to transfer cumulative active energy with date & time and meter Sr. No. required for automatic spot billing using any standards optical port as well as LPRF port enabled spot billing machine(SBM), within 60 seconds, to automatically generate the energy consumption bills at consumers premises without any human intervention. The successful bidder should provide the protocol and other information to decipher the transmitted data and meter Sr.No for the spot billing purpose through SBM. the data communication with the meter shall be encrypted so that there is no possibility of tempering with the download data.
3.	7.5(B) (vii)	The communication software must be capable to transfer the billing data and meter Sr No. required for automatic spot billing using any standard LPRF module enabled spot billing machine (SBM), within 60 seconds, to automatically	This clause is hereby deleted

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		generate the energy consumption bills at consumer's premises without any human intervention after the data is collected from CMRI. The CMRI provided by meter manufacturer should continuously transmit the data until an acknowledgement is received from the SBM. The meter manufacturer should provide the protocol and other information to decipher the transmitted billing data and meter Sr No. for the spot billing purpose through SBM. The data communication with the meter shall be encrypted so that there is no possibility of tampering with the downloaded data.	
4.	8.0 (f)	The bidder shall use SMPS for power supply to PCB.	This sentence is hereby amended to read as:- "as the bidder shall use SMPS or better design for power supply to PCB."
5.	16 & PQR Cl. No. (VI)	<p>Samples along with bid – The bidder shall furnish Seven meters and one meter box conforming to this specification duly sealed along with routine test certificates in the office of SE(MM),JVVNL, Jaipur one day prior to the date of opening of Tender. If the samples are not received, the bid shall be considered as Non-responsive.</p> <p>Out of the above seven sample meters, six sample meters (one set of 3 samples for Electrical testing and another set of 3 samples for Environmental &amp; Mechanical tests) shall be tested at CPRI, Bhopal/ Bangalore in the presence of firm's representative. The testing charges shall be borne by the bidder. The tentative testing charges Rs. 5.0 lac shall be deposited by the bidder in the form of Demand Draft in favour of the Account Officer (MM), Jaipur Discom, Jaipur.</p> <p>In case sample meters submitted with bid don't conform the Type tests, Addl. Type Tests and Tamper tests of specification/ IS, the financial bid shall not be opened.</p> <p>(b) One sample meter with meter box shall be checked / tested for mechanical/ physical features in Nigam's Lab. Sample meter shall be broken to verify components of the meter.</p>	<p>This clause is hereby amended to read as:-</p> <p>Samples along with bid – The bidder shall furnish <b>Eight meters</b> and one meter box conforming to this specification duly sealed along with routine test certificates in the office of SE(MM),JVVNL, Jaipur one day prior to the date of opening of Tender. If the samples are not received, the bid shall be considered as Non-responsive.</p> <p>Out of the above Eight sample meters, Six sample meters (one set of 3 samples for Electrical testing and another set of 3 samples for Environmental &amp; Mechanical tests) and one sample shall be tested as per IS 15959 for one port <b>(optical port)</b> at CPRI, Bhopal/ Bangalore in the presence of firm's representative. The testing charges shall be borne by the bidder. The tentative testing charges <b>Rs. 6.5 lac</b> shall be deposited by the bidder in the form of Demand Draft in favour of the Account Officer (MM), Jaipur Discom, Jaipur.</p> <p>In case sample meters submitted with bid don't conform the Type tests, Addl. Type Tests and Tamper tests of specification/ IS, the financial bid shall not be opened.</p> <p>(b) One sample meter with meter box shall be checked / tested for mechanical/ physical features in Nigam's Lab. Sample meter shall be broken to verify components of the meter.</p> <p>Note:- The bidders are required to furnish one No. CMRI and LPR Module along with communication cables so that</p>

			the bid stage samples may be got checked/ verified.
6.	7.5 (A)- (Pg. No. 16)	The CMRI shall also download the name of meter manufacturer and year and month of manufacturer of meter	This is hereby amended to read as:- The CMRI shall also download the name of meter manufacturer and year of manufacturer of meter."
7.	7.3(F)	the meter shall have provision for registering energy(kwh & kvah),maximum demand(kw & kva) and average PF and billing date in following five tariff registers	This is hereby amended to read as:- "the meter shall have provision for registering energy(kwh & kvah),maximum demand(kw & kva) and average PF and billing date. The data shall be registered in following five tariff registers"
8	7.5(A) bullet point 6 under heading "Readings to be downloaded with CMRI through optical port."	MD kw with 30 min integration on real time basis for each phase with date & time stamp for last 12 months	This is hereby amended to read as:- Overall MD kw with 30 min integration on real time basis with date & time stamp for the last 12 months
9	3.0(14)	IS:15959 (DLMS)	<b>Point no 14 of Clause no 3: is hereby amended to read as under:</b> Data Exchange for Electricity Meter Reading, Tariff And Load Control Companion Spec having all amendment ( DLMS requirement is applicable only to optical port)
10	7.5(A)	<b>Readings to be downloading through optical port(Bullet point 9):</b> "The snap shot of each event with date and time of minimum 40 events (Either occurrence or restoration considered an event)"	This line is hereby amended to read as:- "The snap shot of total events (minimum 40 events) with date and time (Either occurrence or restoration considered as an event) except cover open tamper which is non roll over tamper.
11	12(a) & PQR Cl. No. V	The bidders shall be required to furnish valid type test reports in respect of 3 phase static energy meter with optical port as per requirement of IS13779:1999 (with latest amendments) from <b>CPRI or ERDA</b> only which should not be older than <b>three years</b> as on the date of opening of techno-commercial bid. For this purpose date of conducting type test will be considered.	This is hereby amended to read as:-  The bidders shall be required to furnish valid type test reports in respect of 3 phase static energy meter with optical port as per requirement of IS13779:1999 from <b>CPRI or ERDA</b> only which should not be older than <b>three years</b> as on the date of opening of techno-commercial bid. For this purpose date of conducting type test will be considered.
12	2.8 – Meter Box (Section III, Volume-B)	The type tests mentioned below must not have been conducted earlier than two years from the date of opening of bid	This is hereby amended to read as:- The type tests mentioned below must not have been conducted earlier than three years from the date of opening of techno-commercial bid
13	2.4.2.3	<u>DATA DOWNLOADING THROUGH OPTICAL PORT:</u> An opening (with the arrangement of collar) shall be provided of suitable size on box cover in front of optical port of the meter for assessing	This is hereby amended to read as:-  <u>DATA DOWNLOADING THROUGH OPTICAL PORT:</u> An opening (with the arrangement of collar) shall be provided

		<p>CMRI to download the meter data. Suitable arrangement to cover the said opening by rubber cap attached with Box shall be provided. The rubber cap shall be hanging type connected with the collar</p>	<p>of suitable size on box cover in front of optical port of the meter for assessing CMRI to download the meter data. Suitable arrangement to cover the said opening by rubber /plastic cap attached with Box shall be provided. The rubber/plastic cap shall be hanging type connected with the collar</p>
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(ASHOK MATHUR)  
SUPERINTENDING ENGINEER (MM)

- 1) Copy submitted to the Chief Engineer(MM) Ajmer Discom/ Jodhpur Discom, Ajmer/Jodhpur for information.
- 2) Copy forwarded to the Superintending Engineer (IT), Jaipur Discom, Jaipur for arranging the hosting of above corrigendum at Nigam's website.



SUPERINTENDING ENGINEER (MM)

