

Corrigendum- II
Extension and Amendment for
Chief General Manager/IPC&RAC/TSSPDCL:AMR/2020-21

Online Pre-Bid Meeting was conducted as per the terms and conditions of the AMR Tender process on 13.07.2020 at 11:30 Hrs and the following Extension and amendments were issued for the **Tender Specification No. AMR/2020-21** and all other terms and conditions of the tender specification remain unaltered.

Extension

	Existing	Amended as
Date & Time of Closing Bid Submission through online	28-07-2020 By 17:00 Hrs	07-08-2020 By 17:00 Hrs
Last date & time for submission of legible signed hard copies along with DD's	29-07-2020 by 12:00 Hrs.	10-08-2020 by 12:00 Hrs.
Pre-Qualification & Technical Bid Opening Date (Qualification and Eligibility Stage and Technical Bid Stage)	29-07-2020 by 15:00 Hrs.	10-08-2020 by 15:00 Hrs.
Price Bid Opening Date (Financial Bid Stage)	20-08-2020 at 15:00 Hrs.	31-08-2020 at 15:00 Hrs.

Amendment

Sl.No.	Existing	Amended as
1	<p>Name of the work : Automatic remote reading system of all HT Consumer Meters in 20 Circles of the TSSPDCL</p> <p>Online tenders are invited by the Chief General Manager (IPC&RAC) on supply and maintenance basis under OPEX model for AMR Modems, running and operating of Data Management Center for a period of 5 years of Automatic Meter reading system for the existing Energy Meters (detail scope of works are indicated in the Bidding Documents) in 20 circles covering in TSSPDCL in Telangana state.</p>	<p>Online tenders are invited by the Chief General Manager (IPC&RAC) on supply and maintenance basis under OPEX model for AMR Modems, running and operating of Data Management Center for a period of 5 years of Automatic Meter reading system for the existing Energy Meters (detail scope of works are indicated in the Bidding Documents) in 20 circles in TSSPDCL covering 15 districts in Telangana state.</p>
2	<p>Invitation For Bids (IFB), Annexure, clause 9</p> <p>Bidders registered with the Government of Telangana and Bidders registered with other State Government / Government of India, State and Central Governments, Undertakings TS Transco, TSSPDCL and</p>	<p>Bidders registered with the Government of Telangana and Bidders registered with other State Government / Government of India, State and Central Governments, Undertakings TS Transco, TSSPDCL and other Discoms, any power utility in India are eligible to bid</p>

	other Discoms are eligible to bid for the works.	for the works.
3	<p>Invitation For Bids (IFB), Page no. 7</p> <p>Bid Security (INR) : 2% of the Ex-works quoted value (+ GST@18% in case of BG)</p>	<p>Bid Security (INR) : Rs.20,00,000/- (Rupees twenty Lakhs) + GST@18%.</p> <p>MSME participants are exempted from submission of Bid Security as per OM NO. F.NO. 20/2/2014-PPD(PT) DATED 25-7-2017 ISSUED BY DEPARTMENT OF EXPENDITURE GOI.</p>
4	<p>Section 1:Page no. 11, Instructions to bidder, (A) General- Clause 3.(i) Qualification of the bidder</p> <p>The bidder must possess valid ISO 9001:2015, ISO 27001:2013 for information security management system, ISO 14001:2015 & OHSAS 18001:2007 for environmental, health & safety management system.</p>	<p>The bidder must possess valid ISO 9001:2015, ISO 27001:2013 for information security management system, ISO 14001:2015 for environmental, health & safety management system.</p>
5	<p>Section 1, Page no. 15, Instructions to bidder, Clause 15.1.(a)</p> <p>The Bidder shall furnish, as part of his Bid, a Bid security @ 2% of Bid estimated value compulsorily+ GST @ 18% (in case of BG). The amount as shown in column 9 of the table of IFB for this particular work. This amount should be paid by way of a crossed demand draft drawn on any schedule bank in favour of the Pay Officer, TSSPDCL and payable at headquarters of the Purchaser. The crossed DD should invariably be furnished along with the bids. Alternatively the bidders may furnish a B.G. in original in lieu of DD as per the proforma attached. Fax / photocopies of the bid security will not be accepted and will be rejected.</p>	<p>The Bidder shall furnish, as part of his Bid, a Bid security @ Rs.20,00,000/- (Rupees twenty Lakhs)+ GST @ 18% . The amount as shown in column 9 of the table of IFB for this particular work. This amount should be paid by way of a crossed demand draft drawn on any schedule bank in favour of the Pay Officer, TSSPDCL and payable at headquarters of the Purchaser. The crossed DD should invariably be furnished along with the bids. Alternatively the bidders may furnish a B.G. in original in lieu of DD as per the proforma attached. Fax / photocopies of the bid security will not be accepted and will be rejected.</p> <p>Further, MSME participants are exempted from submission of Bid Security as per OM NO. F.NO. 20/2/2014-PPD(PT) DATED 25-7-2017 ISSUED BY DEPARTMENT OF EXPENDITURE GOI.</p>
6	<p>Section-1, Page no 17, Instructions To Bidders (ITB), Clause 19.1 Deadline for submission of the bids</p> <p>Bids (Hard Copy of uploaded documents only) must be received by the Employer at</p>	<p>Bids (legible signed hard Copies & sample modems through courier/mail/in person)</p>

	the address specified above not later than 12:00hrs on next working day of the Bid Submission closing date as given in the notice inviting Bid details above.	must be received by the Employer at the address specified above not later than 12:00hrs on next working day of the Bid Submission closing date as given in the notice inviting Bid details above.
7	<p>Section-1, Page no. 21, Instructions To Bidders (ITB), F. Award Of Contract, Clause 28.2. Service Level Agreement</p> <p>Min of 85% of end-to-end communication availability at least once in a day for a minimum of 85% period of the month. Measured on the basis of the average number of Meters not communicating during the month because of the non-availability of the network or faulty modem/DCU or disconnection of modem/DCU with the meter.</p>	<p>Min of 85% of end-to-end communication availability at least once in a day for a minimum of 85% period of the month. Measured on the basis of the average number of Meters not communicating during the month because of the non-availability of the network or faulty modem/DCU or disconnection of modem/DCU with the meter. The period of non availability of the network due to blocking of the GSM/GPRS network i.e. 2G/ 3G / 4G, due to the Government regulations in unforeseen conditions will be excluded.</p>
8	<p>Section-1, Page no. 22 , Instructions To Bidders (ITB), Performance Security, Clause 31.1</p> <p>Within 21 days of receipt of the Letter of Intent, the Successful Bidder shall deliver to the employer a Performance Security in any of the forms given below for an amount equivalent to 10% of the Contract price shall be valid until a date 28 day from the date of expiry of Defects Liability period: a bank guarantee in the form given in Section 8 ; or Bank draft, in favor of Pay Officer/TSSPDCL/ HYDERABAD payable at HYDERABAD drawn on any scheduled bank/Nationalized Bank.</p>	<p>Within 21 days of receipt of the Letter of Intent, the Successful Bidder shall deliver to the employer a Performance Security in any of the forms given below for an amount equivalent to 20% of the annual contract value+GST @18% with a validity of 60 months and additional 28 days from the date of expiry of Defects Liability period: a bank guarantee in the form given in Section 8 ; or Bank draft, in favor of Pay Officer/TSSPDCL/ HYDERABAD payable at HYDERABAD drawn on any scheduled bank/Nationalized Bank.</p>
9	<p>Section 3, Page no.32, Technical Specification, I) AMR Hardware:</p> <p>The server shall be a cloud server and it is preferred to use Amazon Web Services. The server shall be a central repository for the data storage and management of all meter readings profile and meter configuration data, information on meter changes etc. A work station shall be installed at Corporate Office.</p>	<p>The server shall be a cloud server and it is preferred to use cloud storage services offered by the Govt. Agency i.e. National Informatics Centre (NIC)/Amazon web services. The server shall be a central repository for the data storage and management of all meter readings profile and meter configuration data, information on meter changes etc. A Work station shall be installed at Corporate</p>

		Office.
10	<p>Section 3, Page no. 32, Technical Specification, I) AMR Hardware:</p> <p>Supply and installation of necessary AMR hardware such as NB-IOT/4G modems, SIM cards and work station at Corporate office to facilitate event reporting on real time basis. This also includes providing 12 hour back up power supply. The modem should have SMPS based 3 phase input power supply and it should be capable of functioning in the event of failure of any two phases or neutral.</p>	<p>Supply and installation of necessary AMR hardware such as NB-IOT/4G modems, SIM cards and work station at Corporate office to facilitate event reporting on real time basis. The modem can have inbuilt super cap to provide sufficient backup to capture Power outages. The modem should have SMPS based 3 phase input power supply and it should be capable of functioning in the event of failure of any two phases or neutral.</p>
11	<p>Section 3, Page no.32, Technical Specification, II)AMR Software & System Capabilities:</p> <p>Alerts and SMS Messages on other Tamper conditions in Meters, CTs, PTs, and TTBs which include potential missing, CT Open, CT Short, Polarity reversal, Meter Box Tamper, MD Rests, Meter stuck up, Meter replacements etc.</p>	<p>Alerts and SMS Messages on other Tamper conditions in Meters, CTs, PTs, and TTBs which include potential missing, CT Open, CT Short, Polarity reversal, Meter Box Tamper, MD Rests, Meter stuck up, Meter replacements etc.</p> <p>Additional sensors must be provided by the bidder for the meter box to capture the event of meter box open.</p>
12	<p>Section 3, Page no. 32, Technical Specifications, Scope of the work</p> <p>This specification covers supply, installation and commissioning of intelligent NB-IOT/4G modem and suitable accessories for automatic and remote data transfer from various makes of Electronic Energy Meters of HT consumers of various makes like Secure, L&T and ELSTER, HPL EDM I of both DLMS & Non DLMS including ABT features & Net meters and any other make meter with DLMS to be procured in feature installed at 10,011 No's HT consumers in the jurisdiction of TSSPDCL including integration with HT billing server of TSSPDCL for billing related works. The scope shall also cover for installation of modems for new services which will come up after the allotment of Purchase Order during the maintenance period.</p>	<p>This specification covers supply, installation and commissioning of intelligent NB-IOT/4G/RF modem and suitable accessories for automatic and remote data transfer from various makes of Electronic Energy Meters of HT consumers of various makes like Secure, L&T and ELSTER, HPL EDM I of both DLMS & Non DLMS including ABT features & Net meters and any other make meter with DLMS to be procured in feature installed at 10,011 No's HT consumers in the jurisdiction of TSSPDCL including integration with HT billing server of TSSPDCL for billing related works. The scope shall also cover for installation of modems for new services which will come up after the allotment of Purchase Order during the maintenance period.</p>

13	<p>Section 3, Page no.37, Technical Specifications, Clause 1.6.2. Power supply section</p> <p>The MODEM shall have three phase AC input supply and should be capable of proper functioning within the power supply range of 50 AC P-P to 540 V AC P-P, 50 Hz so that same MODEM shall be used for HT Tri vector meters. However the MODEM should also be capable of operating on single phase 230V, 50Hz power supply. The MODEM shall be suitably protected against surges.</p>	<p>The MODEM shall have three phase AC input supply and should be capable of proper functioning within the power supply range of 60 AC P-P to 540 V AC P-P, 50 Hz so that same MODEM shall be used for HT Tri vector meters. However the MODEM should also be capable of operating on single phase 230V, 50Hz power supply. The MODEM shall be suitably protected against surges.</p>
14	<p>Section 3, Page no.37, Technical Specification, Clause 1.7 (a) NB-IOT Modem:</p> <p>Ambient Temperature: Operating temperature : -10°C to +55° C</p>	<p>Ambient Temperature: Operating temperature : 0°C to +55° C</p>
15	<p>Section 3, Page no. 40, Technical Specification, Clause 1.18.2 Data transfer in push Mode:</p> <p>If MODEM could not establish connection to the Server placed at Data center at specified time, then it shall capable to store data for limited period and send it to server automatically once connection re-established.</p>	<p>If MODEM could not establish connection to the Server placed at Data center at specified time, then it shall capable to store data for limited period and send it to server automatically once connection re-established.</p> <p>The Modem shall be capable of storing minimum of 5 MB data in the offline mode.</p>
16	<p>Section 5, Page no. 51, Contract data, The Compensation Events.</p> <p>The proportion of payments retained (retention money) shall be 6% from each bill subject to a maximum of 5 % of contract value.</p>	<p>Deleted.</p>

All other terms and conditions of the tender specification remain unaltered.

Sd/-
CHIEF GENERAL MANAGER/IPC&RAC