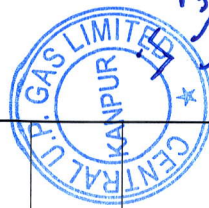


| REPLY TO BIDDER'S QUERIES-II                                                                                                                                                                                                             |                                |           |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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|  Bid Document for the Procurement of Prepaid Gas Meters along with Deployment, Integration and service charges for Kanpur, Unnao, Bareilly and Jhansi |                                |           |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Bid Document No.: CUGL/C&P/TEN2324/35 dated 19.06.2023 (E-Tender No. 55197)                                                                                                                                                              |                                |           |                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Sr. No.                                                                                                                                                                                                                                  | Section/Clause No.             | Page No.  | Description                                                                                                                                                                                                                                                                                                                                                                                                  | Bidder's Queries/Observation/Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1                                                                                                                                                                                                                                        | BEC - Technical criteria       | 54 of 109 | The bidder must be a regular manufacturer of Pre-paid Smart Domestic Gas Meters having testing and quality assurance facilities in India as per the applicable code mentioned in technical specifications                                                                                                                                                                                                    | We represent meterist Italy for domestic & commercial smart meters. The meters are manufactured and quality tested in Italy. We request Meterist to CUGL to accept same and allow more bidders to participate.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 2                                                                                                                                                                                                                                        | BEC - Technical criteria       | 54 of 109 | The bidder (manufacturer) must have successful supplied at least 2500 nos. G1.6 Domestic Gas Meters in compliance with applicable codes and standards to any of city gas distribution company in India, in the last seven years reckoned from the bid due date.                                                                                                                                              | We request CUGL to accept G1.6 or higher Domestic/commercial Gas Meters for 2500 Nos. We have supplied more than 5000 smart meters to IGL of size G4 to G25. This will allow more bidders to participate. Request to accept                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 3                                                                                                                                                                                                                                        | BEC - Technical criteria       | 54 of 109 | The bidder (manufacturer) must have successful supplied at least 2500 nos. G1.6 Domestic Gas Meters in compliance with applicable codes and standards to any of city gas distribution company in India, in the last seven years reckoned from the bid due date.                                                                                                                                              | We are currently renting 1500 domestic smart meters to IGL in Rewari. Perfect is running successfully since last 6 years. The model is Supply, Operate & transfer. At end of 7 years the ownership of meters is transferred to IGL. Request to accept 1500 meters for qualification and PO against this model. Attached work completion certificate for reference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4                                                                                                                                                                                                                                        | BEC - Technical criteria       | 54 of 109 | ATEX approval                                                                                                                                                                                                                                                                                                                                                                                                | Kindly confirm if PESO certificate is required. We believe that for all electronics (AMR & motorized valve for prepaid functionality) to be installed in domestic or commercial installations PESO is mandatory. Kindly confirm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| 5                                                                                                                                                                                                                                        | Scope of work 1.3.2            | 90 of 109 | Recharging facility for customer via upi/credit card/ debit card/net banking. Entire payments shall be made to CLIENT through Vendor's payment gateway.                                                                                                                                                                                                                                                      | Kindly confirm if recharge facility is in CUGL scope or Vendors scope. Ideally all payment related application / website should be on CUGL payment portal which is already linked to CUGL's payment gateway. If bidder develops a mobile app or web application as a payment portal then links with payment gateway. Same will incur development & maintenance charges                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 6                                                                                                                                                                                                                                        | Scope of work 1.3.10           | 91 of 109 | Disconnect Device: Pre paid Smart Meters shall have an in-build disconnect device (Valve) to disconnect Gas supply on pre-configured events/allocated gas volume/balance (negative). This device shall be mainly used to facilitate functionality like Pre-payment or ON/OFF. The system should be programmed to be user friendly. The system should be configurable to ensure gas supply is not interrupted | Please confirm that intergated / in-build disconnect device shall be mandatory to comply with EN 16314.<br>EN 16314 Gas meters - Additional functionalities - This European Standard specifies the additional requirements and tests for gas meters with a maximum capacity of 40 m3/h and a maximum operating pressure of not exceeding 500 mbar, conforming to EN 1359, EN 12261, EN 12480, EN 12405 and EN 14236, which have battery powered devices providing additional functionalities that form part of the gas meter (hereafter referred to as meter) or contained in an Additional Functionality Device (AFD). It also covers the additional requirements when an electronic index is used rather than a mechanical one. Where the option of an integral valve to the meter is specified, this standard only gives requirements for meters having a maximum capacity not exceeding 10 m3/h |
| 7                                                                                                                                                                                                                                        | 3.0 Information system         | 94 of 109 | To a maximum extent, Bidder shall use and implement the communication system using Open system protocols. Wherever, proprietary protocols are being compiled or utilized, bidder shall intimate along with Bid offer and the Bidder shall maintain 100% interoperability at the time of handover of the system to Client at no cost to Client.                                                               | We request CUGL to make open protocol mandatory. Open Energy protocols such as DLMS-COSM protocol is provided by all manufacturers of electricity & Gas Meters. Meters made in association with Chinese entity uses proprietary protocol and makes it difficult to intergate later after contract completion                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 8                                                                                                                                                                                                                                        | 6.0 Prepaid Meter              | 95 of 109 | AMR should have ability to send the data to server directly using NB-IOT network.                                                                                                                                                                                                                                                                                                                            | We request CUGL to provide the specific area name of KANPUR, BAREILLY, UNNAO & JHANSI where we have to provide NB-IOT network. It will help us to get the quote from different service provider.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 9                                                                                                                                                                                                                                        | 1.1.0 Technical Specifications | 99 of 109 | Meter Type - Diaphragm Meter                                                                                                                                                                                                                                                                                                                                                                                 | We request CUGL to keep meter technology open. Further please accept Thermal Mass Flow Meter. Same has been approved by PNGRB T45 and is complying with OIM directives as per tender requirement.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                          |                                |           |                                                                                                                                                                                                                                                                                                                                                                                                              | Bidder shall use and implement the communication system using Open system protocols<br><br>Can be installed in any GA of CUGL.<br><br>Termal mass flow mwter are accepted                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |



| Bid Document for the Procurement of Prepaid Gas Meters along with Deployment, Integration and service charges for Kanpur, Unnao, Bareilly and Jhansi |                               |            |                                                                                                                                                                                                                    | Bid Document No.: CUGL/C&P/TEN2324/35 dated 19.06.2023 (E-Tender No. 55197)                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                       |
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| Sr. No.                                                                                                                                              | Section/Clause No.            | Page No.   | Description                                                                                                                                                                                                        | Bidder's Queries/ Observation/Comments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | CUGL Response                                                                                                                                         |
| 10                                                                                                                                                   | Communication technology      | 101 of 109 | valve shall be on command basis from remote server through GSM/GPRS/Lora/NB-IoT                                                                                                                                    | We request to accept GPRS communication technology. It is equivalent to NB-IoT technology and has following added benefits for tenders -<br>1) More than 1 service provider - Airtel, VI & BSNL Gives CUGL upper hand to select the service provider. Currently only JIO is supporting NB-IoT in all areas<br>2) verified & tested connectivity - we have more than 15000+ GPRS meters deployed across india with data availability as per tender                                                                                      | valve shall be on command basis from remote server through NB-IoT                                                                                     |
| 11                                                                                                                                                   | 11.0 Technical Specifications | 101 of 109 | Replaceable/non-replaceable Lithium-Ion battery with minimum lifetime cycle of 10 years. Battery life calculation to be provided.                                                                                  | All Lithium batteries used in EVC/ Meters have a standard battery life of upto 5 years. The batteries are replaceable and can be provided by vendor as & when required on chargeable basis to CUGL. Accounting for a spare battery in cost of each meter will unnecessarily increase cost of meter<br>Further vendor can provide prices of spare batteries as part of spares list with some validity say 5 years. The battery life highly depends on site location. Sites with low signal straight consume more battery than the rest. | vendor shall provide spare batteries support as and when required up to 10 years from the date of last supply under this contract on chargeable basis |
| 12                                                                                                                                                   | 15.0 Testing                  | 102 of 109 | contractor shall perform testing of the meter at NABL approved labs only                                                                                                                                           | We request to accept Labs approved by foreign recognized metrology bodies such as NMI, PTB etc for meters manufactured and tested outside india                                                                                                                                                                                                                                                                                                                                                                                        | Tender condition prevails                                                                                                                             |
| 13                                                                                                                                                   | 3.1.2 Payment terms           | 106 of 109 | Balance 15% (Ten Percent) shall be paid within 30 (Thirty) days after commissioning of Meters and completion of all other activities covered in bidders' scope on pro-rata basis and submission of final documents | If meters are not commissioned on time, we request to keep upper cap at 60 days from date of receipt of material at store                                                                                                                                                                                                                                                                                                                                                                                                              | Tender condition prevails                                                                                                                             |

Bidder are required to submit the "REPLY TO BIDDER'S QUERIES" alongwith the bid duly signed & stamped.

