

**REPLY TO PRE-BID QUERIES**

BIDDING DOCUMENT NO. : MEC/23VX/01/51/D2/T04/SU/6538

SUBJECT OF BIDDING DOCUMENT : SMART METERING SYSTEM  
(ANNUAL RATE CONTRACT (ARC) FOR PERIOD OF ONE YEAR)

Sr. No.	Part / Section / Clause No.	pdf Page No.	Clause Description	Bidder's Query	Reply to Bidder's Query
1	Section-III C SCC Cl.5.1	194	In case the Bidder is the AMR Manufacturer then the bidder must have supplied minimum 500 nos. of Automated Metering Reader System (AMR) under a single order in the last seven years reckoned from due date of bid opening. Necessary documentation as stated below is to be submitted in support of the same. Copy of Purchase Order / Work order along with its proof of execution i.e. execution certificate / Completion certification / payment certificate along with invoice / inspection report etc. issued by the purchaser/end user in support of supply of AMR in the last 7 (seven) years reckoned from due date of bid opening. The proof of execution should have cross-reference of the purchase order.	We understand that AMR Manufacturer with minimum supply of 500 Nos of AMR in a single order, can front BID the tender. Kindly confirm	Bidder shall meet the criteria mentioned in Bid Evaluation Criteria (BEC). Additionally the bidder shall also meet the criteria mentioned in SCC Cl.5.1 / Cl.5.2. Tender conditions prevail.
2	Section-III C SCC  4. Completion schedule	193 of 221	The delivery shall be on Lot wise basis, wherein 50% of the ordered quantities of item No. A.1 of the Price Schedule will be delivered within Two months from date of FOA, and balance 50% shall be delivered Within Two months from the date of intimation.	Delivery of 20,000 - G1.6 Meters within 2 months / 8 weeks is not possible considering the after effects of Covid Pandemic. We request BGL to accept dleivery period of 16 weeks for 1 st Lot and 12 weeks for 2nd Lot.	Refer Corrigendum-1

3	SECTION – III D 23. Terms of Payment	198 of 221	10% payment of the supplied portion, after integration, verification & ensuring communication of meters with existing server.	We provide our own HES / Server for our Thermal Walkby Smart Meters. Their integration , verification and communication with our server shall be shown at time of inspection. This can be demonstrated for all meters at time of inspection. Hence there is no reason to hold 10% payment. Kindly accept 90% payment against supply.	Shall be as per tender. Tender conditions prevail.
4	SECTION – III D 23. Terms of Payment	198 of 221	Balance 10% (ten percent) of the supplied portion will be paid within 30 days after successful integration, commissioning & data exchange of the system as specified in the Technical Specifications/ Material Requisition after adjustment of PRS, if any duly certified by Engineer-in-Charge (EIC) along with submission of Work Completion Certificate and No Claim Certificate. However, if the integration and commissioning of the system is delayed due to non-availability of site clearance by Owner, this balance payment of 10% will be released by BHAGYANAGAR Gas after 6 months from the date of material acceptance at site, against submission of bank guarantee for equivalent amount. The BG will be valid for 12 months initially and will be extended till completion of the integration and commissioning of the system, duly certified by Engineer-in-Charge (EIC). Such rescheduling, if any, will be intimated by EIC.	As already PBG is required, the submission of addition BG required as delay in commissioning is attributed by purchaser. Purchaser is delaying the payment against the supply with no fault of the supplier. hence additional 10% BG should not be taken from the supplier.Pl. remove the clause of additional BG of 10%.	Shall be as per tender. Tender conditions prevail.

5	Section 1.1: Bid Evaluation Criteria BEC	16 of 221	The Bidder must have supplied 6000No's for each type of Natural Gas Meters under a single order in the last seven years reckoned from due date of bid opening	Kindly accept supply against multiple orders to CGD companies in India for BEC	Experience as individual multiple orders are not applicable. Shall be as per Tender. Tender Conditions prevail.
6	Scope of work (2)	202 of 221	Wherever existing DCUs / walk-by handheld devices are used, the new domestic meters shall be able to communicate with the existing DCU and handheld device for further transmission of data to smart metering server	We understand data hosting on smart metering server (bidders cloud) and its maintenance, hook up with BGL billing software is in scope of meter supplier. Hence meter data will be on bidders supplied HES (cloud server). Kindly confirm	Separate HES / cloud server is not envisaged. Supplied smart meters shall communicate & integrate with existing metering server at BGL and the meter data shall reside in the existing smart metering server. Refer Scope of Work Cl. 2.0-1. Shall be as per Tender. Tender Conditions prevail.
7	Scope of work (4)	202 of 221	Carrying out survey for relocation of existing data concentrator, if required to a new location so that data of new meters can also be fetched and recommendation of sites for the appropriate location for placing client's data concentrators	We provide handheld devices for data collection. Hence new Bidder should not be bound relocate existing data concentrators. The HHU provided by bidder will be used to collect data from new meters. Please accept	The meters provided shall be suitable for walkby-cum-fixed type metering. Smart meters may have to transfer data to DCU in the vicinity. In such case, the DCU may be relocated, if required, for achieving the communication with the smart meters. Shall be as per Tender. Tender Conditions prevail.
8	MIU/AMR system	204 of 221	License from government bodies for use in free RF band	Our walkby system works on 863 to 870 Mhz radio frequency band which is license free band. Hence no there is no requirement of license from govt bodies. Please accept	Shall be as per Tender.
9	Design Basis (5.7)	205 of 221	AMR device in the supplied meters, shall communicate & exchange data with existing smart metering system server. The new domestic smart meters / AMR shall be made suitable for either of the existing smart metering system server software i.e. AIUT system or Hanbit system. The new commercial smart meters /	Kindly confirm if bidder can use his own HES (bidders cloud/ Smart Metering server) and integrate it with BGL Billing software (BYNRY). We provide Walkby type Thermal meters and they are	Two nos. of HES Serves are already available at BGL control room. Hence separate HES / cloud server for smart meters are not envisaged. Bidder shall provide the meters compatible to communicate &

			AMR shall be made suitable to existing smart metering system server software of AIUT system.	compatible with HES provided by us. Kindly accept to remove Bias towards AUIT or Hanbit server system and allow competitive bidding.	integrate with existing metering server at BGL. Shall be as per Tender. Tender Conditions prevail.
10	Material Requisition	218 of 221	Integration & data exchange of supplied smart meters with existing HHU/DCU (walk-by/fixed) & existing smarter metering system server and from existing metering serve	Kindly confirm if bidder to provide new HHU for data collection. If bidder has to provide new HHU for data collection , kindly confirm no of devices required per meter Lot	Two makes of HHU are already available at BGL. The supplied meters shall provide meter readings & meter data on the existing HHU. Shall be as per Tender. Tender Conditions prevail.
11	Technical specification - existing system	206 of 221	HANBIT / AUIT - HHU / DCU , HES mobile application , Smart Meter server	We provide our own HES based on cloud Server for our Thermal Walkby Smart Meters. The new walkby meters supplied will communicate with HHU supplied by us. HHU will communicate with our HES mobile application (android based). The mobile application upload data to cloud server on BGL Dashboard. The cloud server will further integrate with BGL billing software (BYNRY). We don't need to use existing setup for completion AMR Walkby system. Please accept	Two nos. of HES Serves are already available at BGL control room. Hence separate HES / cloud server for smart meters are not envisaged. Bidder shall provide the meters compatible to communicate & integrate with existing metering server at BGL. Shall be as per Tender. Tender Conditions prevail.
12	Technical specification - existing system	206 of 221	HANBIT / AUIT - HHU / DCU , HES mobile application , Smart Meter server	Kindly confirm the period for which bidder provided HES / Cloud based server needs to be maintained. Cloud server is expandable based on client requirement. The initial setup will be for QTY specified in SOR - 40,000 No's	Two nos. of HES Serves are already available at BGL control room. Hence separate HES / cloud server for smart meters are not envisaged. The supplied meters shall be compatible to communicate & integrate with existing metering server at BGL.

					Shall be as per Tender. Tender Conditions prevail.
13	Technical specification - Natural Gas Meter	210 of 221	Diaphragm Meter index to be compatible with Walkby MIU	The MIU is inbuilt for Thermal Walkby Meters. This ensures tamper free design for domestic meters. Also the entire meter is IP-67 and Zone 2 certified. Kindly accept	Noted. However refer Cl.6.2.A.4, 6.2.A.7, 6.2.B.4, 6.2.B.13. Tender Conditions prevail.
14	Technical specification - MIU	210 of 221	MIU shall be IP-54 or better	Gas Meter and MIU are installed together and meant for outdoor application. Both Gas Meter and MIU should be IP65 or better. Please confirm	Noted. However, the tender specifies the minimum criteria. Tender Conditions prevail.
15	2.0 Scope of Work	202 of 221	The scope of work includes design, engineering, manufacture, assembly, inspection, supply, testing and commissioning of the total system complete in all respects and satisfactory stable operation of the Walk-by/Drive-by type cum Fixed/Wireless type Smart metering/Automatic Meter Reading (AMR) system.	As we understand, based on the industry practice, Bidder will deliver pre-commissioned/pre-initialised Smart Gas Meters as per client required locations and Integration of first 50-100nos. Smart Gas Meters to the existing server will be considered as 'commissioning of the system'. Please confirm.	Shall be as per tender. Tender conditions prevail.
16	2.0 Scope of Work	202 of 221	Design, engineering, manufacturing, assembly, factory testing, inspection (as defined in the specification), marking & packaging, supply of smart metering system comprising of domestic natural gas meters, Meter Interface unit (MIU) with integral digital display, hand held units, software, packing & forwarding, insurance, handling, transportation, loading / unloading at sites / designated store, integration & data exchange of supplied smart meters with existing HHU/DCU (walk-by/fixed) & existing smarter metering system server i.e. Head End Software (HES) and further integration with client's existing Billing software with suitable software configuration / modification, commissioning for	Looking at the present day developments and technological advancements, we request BGL to allow Wireless MIU with/without integral display OR MIU with Customer Interference Display i.e. external display on mobile phone using Bluetooth/BLE/NFC/Wifi where the details could be seen on the mobile phone. Please confirm.	The existing meter MIU are with integral display. Same be followed.

			smooth operation from smart metering / AMR system and providing all related services, documentation, commissioning spares, training.		
17	2.0 Scope of Work	202 of 221	Bidder shall integrate the existing HES metering server with the client's BYNRY Billing system, for automatic transmission of Meter reading data. Billing software will fetch Smart meter data from HES (Head End Software) via interface and perform meter reading consumption validation, editing and estimation. HES shall provide alerts, alarms and abnormalities data to billing software.	As we understand that BGL wants the Bidder to integrate their supplied Smart Meters with the existing server. This integration could be done to any of the two existing servers. Please confirm.	For details, refer Cl.5.9
18	2.0 Scope of Work	202 of 221	Bidder shall integrate the existing HES metering server with the client's BYNRY Billing system, for automatic transmission of Meter reading data. Billing software will fetch Smart meter data from HES (Head End Software) via interface and perform meter reading consumption validation, editing and estimation. HES shall provide alerts, alarms and abnormalities data to billing software.	Also, Billing Software of BGL will capture only the Billing Readout-data (meter reading/consumption) from the HES software. Please confirm.	For details, refer Cl.5.12 to Cl.5.18
19	5.15 Scope of Work	206 of 221	Proposed smart meters (with existing head end system) should be able to publish common set of Integration Interfaces for bulk/individual Smart Meter Reading data retrieval.	As we understand that the Billing software will poll/fetch the data from HES either as single consumer or in bulk. Please confirm.	For details, refer Cl.5.12 to Cl.5.18
20	SECTION – III C SCC Delivery Period	193 of 221	The delivery shall be on Lot wise basis, wherein 50% of the ordered quantities of item No. A.1 of the Price Schedule will be delivered within Two months from date of FOA, and balance 50% shall be delivered Within Two months from the date of intimation.	Considering the overall Covid-crisis situation and the impact faced by the global manufacturing units of electronic components, the delivery of most of the critical components & battery cells is minmum 36-40 weeks. Thus, considering the overall production and manufacturing	Refer Corrigendum-1

				concerns, minimum delivery period should be 40 weeks.	
21	Vol.-II, Sec.- II Data Sheet	220 of 221	Max. Broadcast Radio Range >500 Meters with Line of Sight.	MIU is a battery-powered device, sending data over long-range using HHU would consume more power. Thus for HHU 200-250 meters range in plain line of sight should be sufficient, pl. accept	Considering the site conditions, long range is required. Shall be as per Tender. Tender Conditions prevail.
22	Vol.-II, Sec.- II B. AUTOMATIC METER READING (AMR) SYSTEM	211 of 221	9. For walk-by and fixed type system, an RF-based end point communication module shall capture the pulses from the Meter Index and transfer the data to Handheld Unit/ Data Concentrator Unit (DCU) installed in the vicinity.	We understand that for fixed systems, other communication technologies like LoRa can be used, pl. Confirm	Existing system is with RF based communication between meter & HHU/DCU and GSM/GPRS based communication between HHU/DCU and existing server. The smart meters shall communicate with existing metering server. Hence Bidder shall provide the meters compatible to communicate & integrate with existing metering server at BGL. Tender Conditions prevail.
23	Vol.-II, Sec.- II Cl.5.8	205 of 221	Necessary configurations / changes in the AMR system for collecting the meter reading data from existing & new supplied MIU/HHU/Mobiles/DCU units, if required shall be in the scope of the Bidder.	HHU/Mobile/DCU are not defined in BOQ (Pg. No.222) Pl. confirm whether HHU/Mobile/DCU units are in the scope of bidder or not.	Bidder shall integrate the supplied smart meters with existing HHU/DCU & server. Hence supply of new HHU/DCU are not defined in BOQ. Tender Conditions prevail.
24	SECTION – I 2.0 SCOPE OF WORK	202 of 221	The scope of work includes design, engineering, manufacture, assembly, inspection, supply, testing and commissioning of the total system complete in all respects and satisfactory stable operation of the Walk-by/Drive-by type cum Fixed/Wireless type Smart metering/Automatic Meter Reading (AMR) system. Bidder's scope of work shall include the following:-	We understand that gas meter with RF-walkby/drive by is acceptable for taking readings and fixed/wireless - DCU is not required as RF-walkby/drive by is enough to take remote reading and upload onto the server. Kindly confirm	The smart meters shall be suitable for Walk-by/Drive-by type cum Fixed/Wireless type smart metering system. Refer Cl.5.1 & Cl.5.2 Tender Conditions prevail.

25	SECTION – I 2.0 SCOPE OF WORK	202 of 221	1. Design, engineering, manufacturing, assembly, factory testing, inspection (as defined in the specification), marking & packaging, supply of smart metering system comprising of domestic natural gas meters, Meter Interface unit (MIU) with integral digital display, hand held units, software, packing & forwarding, insurance, handling, transportation, loading / unloading at sites / designated store, integration & data exchange of supplied smart meters with existing HHU/DCU (walk-by/fixed) & existing smarter metering system server i.e. Head End Software (HES) and further integration with client's existing Billing software with suitable software configuration / modification, commissioning for smooth operation from smart metering / AMR system and providing all related services, documentation, commissioning spares, training.	We understand that MIU without integral digital display is also acceptable. Kindly confirm. Commissioning - We supply SMART meters in pre-commissioned state i.e. meters are supplied in ready to communicate with server condition. Only Client/End-user details shall be provided by MECON/BGL which shall be uploaded on the server thru back-end support. Hence, no site activity is required.	The existing meter MIU are with integral display. Same be followed.  Services may be required for commissioning of system; communicate & integrate meter with metering server & further to billing software; survey for relocation of existing data concentrator (if required), etc. are in the bidder's scope, as per the tender. Shall be as per Tender. Tender Conditions prevail.
26	SECTION – I 2.0 SCOPE OF WORK	202 of 221	2. Wherever existing DCUs / walk-by handheld devices are used, the new domestic meters shall be able to communicate with the existing DCU and handheld device for further transmission of data to smart metering server.	We understand that SMART meters with HANBIT /Aiut AMR shall be able to communicate with respective HANBIT/Aiut make DCU and HHU. Please confirm. Also, please provide details of existing DCUs at BGL and its locations.	Details of the existing system is provided in Cl.6.1. of Vo.II Further details will be provided to the successful bidder.
27	SECTION – I 2.0 SCOPE OF WORK	202 of 221	3. Integration of new MIUs with HHU / Mobile units so that meter reader can carry the same HHU/mobile device for existing and new meters	We understand that SMART meters with HANBIT /Aiut AMR shall be able to communicate with existing DCU and HHU of respective HANBIT/Aiut make i.e. Aiut make AMRs shall communicate with Aiut make HHU/DCU and HANBIT make AMR shall communicate with	For details refer Cl.5.7 & Cl.5.8 Shall be as per Tender. Tender Conditions prevail.



				HANBIT make HHU/DCU. Please confirm	
28	SECTION – I 2.0 SCOPE OF WORK	202 of 221	4. Carrying out survey for relocation of existing data concentrator, if required to a new location so that data of new meters can also be fetched and recommendation of sites for the appropriate location for placing client’s data concentrators	This clause is not applicable as DCU supply is not part of current tender. Kindly remove this clause to avoid any post award conflict or difference in understanding of scope of work.	Though DCU & HHU are not supplied as part of the current tender, the meters provided shall be suitable for existing walkby-cum-fixed type metering. Smart meters may have to transfer data to DCU in the vicinity. In such case, the DCU may be relocated by the Bidder, if required, for achieving the communication with the smart meters. Shall be as per Tender. Tender Conditions prevail.
29	SECTION – I 2.0 SCOPE OF WORK	203 of 221	5. Configuration / mapping / synchronization of meter MIU/AMR, HHU / handset (walk-by), DCU (fixed) for communication / data exchange with metering software server and further communication / data exchange to client’s billing software server including manpower, tools & tackles shall be in bidder’s scope	We understand that SMART meters with HANBIT /Aiut AMR shall be able to communicate with existing DCU and HHU of respective HANBIT/Aiut make i.e. Aiut make AMRs shall communicate with Aiut make HHU/DCU and HANBIT make AMR shall communicate with HANBIT make HHU/DCU to existing server and further shall communicate the meter readings to billing software to generate bills and doesn’t intend to make any modification related to feature enhancement. Please confirm.	Activities related to successful integration/commissioning is in the Bidder’s scope. Tender Conditions prevail.
30	SECTION – I 2.0 SCOPE OF WORK	203 of 221	6. Bidder shall integrate the existing HES metering server with the client’s BYNRY Billing system, for automatic transmission of Meter reading data. Billing software will fetch Smart meter data from HES (Head End	As per point no 5 we understand that existing system is capable enough of the requirements mentioned in point no 6 and hence no need to	Cl.5.9 may be referred. Shall be as per Tender. Tender Conditions prevail.

			Software) via interface and perform meter reading consumption validation, editing and estimation. HES shall provide alerts, alarms and abnormalities data to billing software	upgrade the software, hardware are required.	
31	SECTION – I 2.0 SCOPE OF WORK	203 of 221	7. Bidder shall establish seamless data transfer between existing HES server and client's BYNRY Billing software server with required / necessary interface development, software configurations and interacting with billing software vendor for successful integration	This clause is not applicable as bidder has to integrate new SMART meters with existing server. Hence, integration of server with billing software is not part of this tender. Kindly remove this clause to avoid any post award conflict or difference in understanding of scope of work.	Refer Cl.2.0-7. Tender Conditions prevail.
32	SECTION – I 3.0 EXCLUSIONS	203 of 221	Installation of the Gas meter.	We understand that damages to meter during installation will be in the scope of client and vendor is not liable for any damages during installation	Noted. However, manufacturing defects / functional faults or malfunction / degradation / faulty workmanship etc. shall be as per conditions of contract and shall be in bidder's scope. Tender Conditions prevail.
33	SECTION – I 4.0 CODES AND STANDARDS	204 of 221	e) PESO/CCOE Nagpur certification, if required	We understand that as the electronic module is not coming in contact of gas (Fixed on the meter) PESO is not mandatory.	Shall be as per Tender. Tender Conditions prevail.
34	SECTION – I 5.0 DESIGN BASIS	204 of 221	5.2 Fixed/Wireless type Smart Metering System sending data from Meter Interface Unit to a fixed battery powered Data Concentrator Unit (DCU) through Radio-Frequency and from DCU to remote server through GSM/GPRS shall be implemented for geographical locations having hi-rise apartment complexes	Kindly provide the gas meter installation areas along with mapping of existing DCUs so that additional no of DCUs required can be defined and costs can be considered accordingly for the project. Kindly confirm the Installation, commissioning of DCUs will be done by client in the area and vendor will just link the meters to the existing DCUs.	Details of the existing system will be provided to successful bidder. Bidder shall integrate the supplied smart meters with existing HHU/DCU & server. Hence supply of new HHU/DCU are not envisaged. Tender Conditions prevail.

				Kindly confirm the SIM cards of DCU will be in the scope of client and not the vendor	
35	SECTION – I 5.0 DESIGN BASIS	204 of 221	5.4 Bidder shall integrated the supplied smart meters with existing smart metering software HES software servers located at the BGL control room with data exchange on GPRS/GSM and further establishing data exchange with client’s billing software and demonstrate the same at site.	This clause is not applicable as bidder has to integrate new SMART meters with existing server. Hence, integration of server with billing software which is not part of this tender and no further modification, upgradation is required. Kindly remove this clause to avoid any post award conflict or difference in understanding of scope of work.	Bidder shall integrated the supplied smart meters with existing smart metering software and further establishing data exchange with client’s billing software for the meters. Refer Cl. No. 2.0 -6 and Cl.2.0-7 Shall be as per Tender. Tender Conditions prevail.
36	SECTION – I 5.0 DESIGN BASIS	205 of 221	5.8 The meter reader shall carry existing HHU/mobile device for existing meters and supplied new meters. New meters shall be compatible to existing HHU. The new meters shall provide meter readings and meter data to the HHU/mobile deice and shall be visible on the HHU/mobile. The existing DCU shall be used for reading from existing and supplied new meter. New meters shall be compatible to existing DCU. Supplied new Meters shall be able to communicate & exchange date with either make existing Walk by type HHU, existing fixed type DCUs and further transmit data to smart metering server. Necessary configurations / changes in the AMR system for collecting the meter reading data from existing & new supplied MIU/HHU/Mobiles/DCU units, if required shall be in the scope of the Bidder.	We understand that spares, tools like HHU, Mobile etc required for commissioning will be provided by client from the existing available nos. No separate HHU, Mobiles, DCUs are required for this project. Kindly provide clarity on meter installation will be in same area of existing area? If not then details of meters in new area will help us in defining no of HHUs and mobiles required for costing purpose	Refer Cl.2.0-5 & Cl.2.0-8 regarding tools, tackles, spare, etc. Details of meter installation will be provided to successful bidder. Bidder shall integrate the supplied smart meters with existing HHU/DCU & server. Hence supply of new HHU/DCU are not envisaged. Tender Conditions prevail.
37	SECTION – I 5.0 DESIGN BASIS	205 of 221	5.9 It is preferred that, bidder shall integrate the supplied smart meters with either of the existing smart metering system / software with data exchange through HHU on GPRS/GSM with suitable software / firmware / hardware	We understand that existing system is fool proof and no further upgradation is required. Our understanding is vendor to just link the smart meter data to	Refer Cl.2.0-1 & Cl.5.9 for details. Shall be as per Tender. Tender Conditions prevail.

			modification (as required) and also integrate & establishing data exchange with client's billing software. Necessary upgradation of hardware & software components (like storage, memory, software license, configuration, updates, etc.) as required to complete the integration, commissioning, functioning of metering system shall be in scope of the bidder.	existing system of the client only.	
38	SECTION – I 6.0 TECHNICAL SPECIFICATION	206 of 221	6.1 EXISTING SYSTEM The existing smart metering servers are located at BGL Control room in Hyderabad. For the existing domestic metering, Smart Metering / AMR systems of AIUT make and Hanbit make are implemented. For commercial metering, Smart Metering / AMR system of AIUT make are implemented. AMR device communicate with the metering servers. The AIUT make smart metering system have the capacity to assign 5,00,000 domestic consumers & 5,000 commercial consumers. The Hanbit make smart metering system have the capacity to assign 1,00,000 domestic consumers	We understand that existing system is fool proof and no further upgradation is required. Our understanding is vendor to just link the smart meter data to existing system of the client only.	Refer Cl.2.0-1 & Cl.5.9 for details. Shall be as per Tender. Tender Conditions prevail.
39	SECTION – I 6.2 NEW METERS SPECIFICATION	210 of 221	A. NATURAL GAS METER 8. The meters shall have corrosion resistant powder coated (inside and outside), steel casing, for a life period of 20 years. Enclosure protection of all meters shall confirm to IP-65 or better	We understand that the meters should have corrosion resistant powder coated (inside and outside), steel casing, for a life period as per EN1359 clause of corrosion protection	Tender Specification shall be followed. Tender Conditions prevail.
40	SECTION – I 6.2 NEW METERS SPECIFICATION	210 of 221	A. NATURAL GAS METER 10. The meters shall be supplied with all mounting accessories i.e. tamper-proof seals, screws, wall mounting brackets, etc. End connection shall be protected by Plastic caps. However, the details for the same shall be finalized during engineering.	We understand that only meter mounting bracket is required and specifications of the same will be shared by client. As, other accessories mentioned are not required for Gas meters.	Tender Specification shall be followed. Tender Conditions prevail.
41	SECTION – I 7.0 MARKING & PACKAGING:	212 of 221	Each device (Meter, MIU) shall be marked in legible characters, which are permanently visible (stickers to be avoided) with at least the	Direction of flow is marked on top of the meter case with	Noted. Tender Specification shall be followed. Tender Conditions prevail.

			<p>following information:</p> <ul style="list-style-type: none"> <li>- Name and logo of the Manufacturer, along with the model</li> <li>- Serial number</li> <li>- Month and year of manufacture</li> <li>- CE Marking, W&amp;M Marking, EN 1359 Marking or applicable standard Marking</li> <li>- Maximum Flow Qmax and minimum flow Qmin (For Metering Units)</li> <li>- Gas temperature range, Ambient temperature range, Storage temperature range</li> <li>- Maximum operating pressure</li> <li>- Accuracy class of the meter, e.g. Class 1.5</li> <li>- Direction of flow</li> <li>- Name and Logo of the Client</li> </ul>	embossed arrow. Please confirm	
42	SECTION – I 11.0 INSPECTION PLAN	215 of 221	i) Statutory Approvals: Fire resistance type approvals, W&M approval, PESO approval, ATEX certification for AMR, WPC certificate of AMR	We understand that PESO is if applicable and not mandatory as per clause no 4-e) page no 204	Refer Cl.4.0-e for details Shall be as per Tender. Tender Conditions prevail.
43	SECTION – II DATASHEET	219 of 221	GENERAL Installation Suitable for outdoor/Indoor Installation, tamper proof and corrosion resistant for a life period of 20 years	Our gas meter is suitable for indoor and out-door with due care / covering of gas meter to project from direct sunlight and water droplets by any reason over meter, installation and can meet corrosion resistance as per EN1359 standard Corrosion protection will be provided as per EN1359. Please confirm.	Shall be as per Tender. Tender Conditions prevail.
44	SECTION – II DATASHEET	219 of 221	PROCESS CONDITIONS Operating Temperature 0°C to 45°C Design 55 °C Storage 60 °C	Our meter is designed for design, operating, storage, ambient temperature of -10 to +55 degree centigrade and same is acceptable. Kindly confirm	Shall be as per Tender. Tender Conditions prevail.

45	SECTION – II DATASHEET	219 of 221	BODY Case work/ Body Suitable for outdoor/Indoor Installation, tamper proof and corrosion resistant powder coated steel casing	Our gas meter is suitable for in-door and out-door with due care / covering of gas meter to protect from direct sunlight and water droplets by any reason over meter, installation and can meet corrosion resistance as per EN1359 standard Corrosion protection will be provided as per EN1359	Shall be as per Tender. Tender Conditions prevail.
46	SECTION – II DATASHEET	219 of 221	BODY End Connections (Two-pipe version) 20NB NPT(M) inlet and outlet conforming to ANSI B1.20.1 (In case the end connections are differing, bidder to provide suitable adapters of Brass to meet the specified end connections)	We will be offering gas meter with 3/4" NPT connection made of Mild Steel material and same is acceptable. Kindly confirm	Shall be as per Tender. Tender Conditions prevail.
47	Payment Terms	198 of 221	80% against supply 10% against verification of communication 10% against integration, commissioning and data exchange	We request for 90% against supply and 10% within 30days as current payment . Being a supply tender, payment against supply shall be released against supply of material. Note: Please look into payment terms clause, as such payment term clauses are leading to price increase of product.	Shall be as per Tender. Tender Conditions prevail.
48	1.1.1 B Payment Terms	198 of 221	10% payment of the supplied portion, after integration, verification & ensuring communication of meters with existing server.	1. This is an open ended clause, we request to please clarify what is expected under integration, verification & ensuring communication. 2. Verification of communication with existing server shall be done on sample basis 50 nos. for each type of AMR. As, this is kind of type test, as all AMR of same model will have same software as well	Shall be as per Tender. Tender Conditions prevail.

				as hardware i.e. if one module communicates than all modules will communicate with server. 3. There shall be time limit in which these activities shall be completed from MECON as well as BGL end. As per current clause, no time limit is defined for completing procedure from BGL/MECON.	
49	1.1.1 C Payment Terms	198 of 221	Balance 10% (ten percent) of the supplied portion will be paid within 30 days after successful integration, commissioning & data exchange of the system as specified in the Technical Specifications/ Material Requisition after adjustment of PRS, if any duly certified by Engineer-in-Charge (EIC) along with submission of Work Completion Certificate and No Claim Certificate.	1. This is an open ended clause, we request to please clarify what is expected under integration, verification & ensuring communication. 2. Integration, commissioning and data exchange shall be done on sample basis 50 nos for each type of AMR. As, this is kind of type test, as all AMR of same model will have same software as well as hardware i.e. if one module communicates than all modules will communicate with server and billing software. 3. There shall be time limit in which these activities shall be completed from MECON as well as BGL end. As per current clause, no time limit is defined for completing procedure from BGL/MECON.	Shall be as per Tender. Tender Conditions prevail.
50	1.1.1 C Payment Terms	198 of 221	However, if the integration and commissioning of the system is delayed due to non-availability of site clearance by Owner, this balance payment of 10% will be released by BHAGYANAGAR Gas after 6 months from the date of material	This is open-ended term, for reasons not pertaining to bidder. In case, delay is from Client end than payment shall be released against ABG for 1	Shall be as per Tender. Tender Conditions prevail.

			acceptance at site, against submission of bank guarantee for equivalent amount. The BG will be valid for 12 months initially and will be extended till completion of the integration and commissioning of the system, duly certified by Engineer-in-Charge (EIC). Such rescheduling, if any, will be intimated by EIC	year period not-extendable. As, extendable ABG term makes this clause open ended.	
51	23 Payment Terms	198 of 221	80% against supply 10% against verification of communication 10% against integration, commissioning and data exchange	Procedure for certification and payment release against clause 1.1.1 b and 1.1.1 c shall be clearly defined to eliminate any ambiguity or difference in understanding post award.	Shall be as per Tender. Tender Conditions prevail.
52	4 Delivery Period	193 of 221	The delivery shall be on Lot wise basis, wherein 50% of the ordered quantities of item No. A.1 of the Price Schedule will be delivered within Two months from date of FOA, and balance 50% shall be delivered Within Two months from the date of intimation	Considering current pandemic situation, supply chain across the globe are impacted resulting in delayed supply of goods. We request you to please extend delivery lead time to 18-20 weeks for first lot and 12-16 weeks for second lot.	Refer Corrigendum-1