



ENERGISING QUALITY

**REPLY TO BIDDER'S PRE-BID QUERIES  
FOR  
SUPPLY OF NATURAL GAS METER IN NORTH GOA GA**

**TENDER NO. GNGPL/C&P/T-29**  
**TENDER ID : VCS2100006**

VCS Ref. No.: VCS/GNGPL/1023/PRC/2021/003

Owner - GOA NATURAL GAS PRIVATE LIMITED (GNGPL)

Consultant - VCS Quality Services Pvt Ltd.

Pre-bid meeting held on 12.08.2021

Date: 23.09.2021



Sl. No.	Tender Clause No.	Tender Page No.	Description	Bidder's Query/Clarification	GNGPL/VCS Reply
<b>COMMERCIAL</b>					
1	Scope of Work		Scope of Work	We understand that Bidder can quote Group 'C' from one meter manufacturer and Group 'D' from other meter manufacturer. Please confirm our understanding is correct.	Bidder understanding is correct.
2	Scope of Work		Scope of Work	Bidder can quote meters from different manufacturers under different groups i.e whether the bidder can quote for commercial meter from different manufacturer and domestic meters from different manufacturer.	Bidder understanding is correct.
3			If bidder has quoted as an authorized single dealer/distributor, then corresponding manufacturer's experience will be considered for qualification.	If bidder has quoted as an authorized single dealer/distributor, then corresponding manufacturer's experience will be considered for qualification.	For Technical BEC criteria, Manufacturer's/Bidder's experience shall be considered and for Financial BEC criteria, Bidder's experience shall be considered.
4	Clause no.9.1.3(a) of IFB	11 of 134 (Commercial Vol. I of II)	The bidder shall supply Gas Meter produced by the established manufacturer who meets qualification requirements stipulated under clause 9.1.1 & 9.1.2.	We understand that supply experience of bidder's is accepted for bid evaluation. Please confirm.	For Technical BEC criteria, Manufacturer's/Bidder's experience shall be considered and for Financial BEC criteria, Bidder's experience shall be considered.
5	Clause no.5.2 of IFB	06 of 134 (Commercial Vol. I of II)	Delivery Schedule	Delivery Schedule for Group D is too less of 08 weeks. We request GNGPL to allow at least 12 weeks for Group D meters.	Tender Condition shall prevail.
6				Delivery shall be twelve 16-18 Weeks for each part from the date of LOI/ PO release.	Tender Condition shall prevail.
7				We request the Delivery period for the 1st lot minimum 20 weeks & for the second lot minimum 16 weeks.	Tender Condition shall prevail.
8				We request for delivery lead time of 24 weeks Group A,B &C and 12 weeks for group D.	Tender Condition shall prevail.
9				1. We understand there shall be 2 lots in whole contract period, kindly confirm 2. Request you to extend delivery time upto 16 weeks	Tender Condition shall prevail.
10				Due to the global pandemic across the globe and logistical issues we request M/s. GNGPL to please consider delivery period of 16 weeks for group A, B, C and delivery schedule of 12 weeks for Group D	Tender Condition shall prevail.
11	SOR	SOR	Group - B - RPD Gas Meter with AMR & EVC	We authorized distributor of EVC. We kindly requeste to keep separate SOR for EVC, which in a way helpful to GNGPL for additional vendor base, as there are limited bidders for EVC who can supply both EVC and RPD meters.	Tender Condition shall prevail.
12				We request to split the Group B in separate line items for RPD and EVC.	Tender Condition shall prevail.
13	Clause no 17.1.2 of SCC	70 of 134 (Commercial Vol. I of II)	Balance 10% payment shall be released on submission of following document on closure of order:- i) No Claim Certificate ii) Statement of Completion iii) Extended BG period, in case supply is delayed beyond contractual time period iv) Receipt of final technical documents (if any) as specified in PR	Balance 10% with in 30 days after complete material supply. Please confirm	Tender Condition shall prevail. Bidder understanding is correct.
14	Clause no 17.0 of SCC	70 of 134 (Commercial Vol. I of II)	TERMS AND MODE OF PAYMENT	For group D of SOR, kindly revise the payment term as "100 % payment along with freight charges including all taxes & duties will be paid progressively on pro-rata basis on receipt & acceptance of goods at FOT site after adjustment of PRS, if any along with submission of following documents: i) Invoice in triplicate in compliance with GST law in force ii) Inspection Release note by Owner or his appointed or approved agency. iii) Original GR / LR iv) Packing List v) Warranty Certificate and Test certificate	Tender Condition shall prevail.
15	Appendix -I	116 of 134 (Commercial Vol. I of II)	PPLC	We understand since the tender value is less than 1 cr thus this policy should not be applicable for the present tender. Further more all the items in Group A, B and C are not manufactured in India and are Imported, thus local content criteria can not be met for these groups.	Tender Condition shall prevail.

16				Warranty shall be 12 months from the date of installation or 18 months from the date of shipment, whichever is earlier. Kindly accept the same.	Tender Condition shall prevail.
17	Clause no 42.0 of ITB	40 of 134 (Commercial Vol. I of II)	CONTRACT PERFORMANCE BANK GUARANTEE/ SECURITY DEPOSIT	Kindly confirm that CPBG shall be 3% of contact value.	Bidder understanding is correct.
18	Clause no 42.0 of ITB	40 of 134 (Commercial Vol. I of II)	Bidder shall submit CPBG of 3% of Total Contract Value within 30 days of issuance of LOI/LOA.	We request to allow bidder to submit CPBG of 3% of lot wise value instead of total contract value, kindly confirm	Tender Condition shall prevail.
19	Clause no 37.0 of ITB	37 of 134 (Commercial Vol. I of II)	PROCUREMENT FROM A BIDDER WHICH SHARES A LAND BORDER WITH INDIA	As per land border clause no. 37.0 we request M/s. GNGPL to please confirm if our(bidder's) OEM is based in China and bidder based in India who has already supplied more than 2000 nos. I&C gas meters to one of the major CGD companies in India are eligible to bid for this tender as we have superior product to offer at a very competitive price. Kindly, confirm	If bidder has been approved from Competent authority, then they may bid in this tender. Please refer Clause no. 37.0 of ITB.
20	Clause no 29.0 of GCC	61 of 134 (Commercial Vol. I of II)	FORCE MAJEURE	In lieu of the ongoing global pandemic we request M/s. GNGPL to consider corona virus/lockdown/curfew as a force majeure deterrent	Tender Condition shall prevail.

**TECHNICAL**

1	Technical Volume		Quantity quoted	We understand that bidder's may quote Group wise full quantity. Mean bidder is allowed to quote one or more Group with full quantity. Please confirm	Bidder understanding is correct.
2	Technical Volume		Pressure Drop	As per EN:1359 standard, pressure drop of G16 & G25 is 3mbar. Please confirm your acceptance	Tender condition shall prevail. Refer tender datasheet.
3	Technical Volume		Restriction orifice	Pl. note that this is used for flow meter and not suitable for diaphragm meter. Please confirm your acceptance.	Refer tender datasheet.
4	Technical Volume		Brass adaptor	If supplier will supply meters with required size of threads, we feel that these brass adaptors are not needed. Please confirm our understanding	Bidder understanding is correct.
5	Technical Volume		EVC	We understand that GNGPL needed mechanical meters and not the smart meters. So these AMR and EVC is not required. Please confirm	Bidder understanding is correct for Group-A,Group-C & Group-D. However there should be provision for upgrading it to AMR and EVC in future
6	Technical Volume		Tag of corrosion resistance material	Please note that it is not realistic to have tag on each component mentioned verify corrosion resistant, since all components already has its production process and model. Please confirm & clarify	Bidder to refer datasheets for project specific specification.
7	Technical Volume		Over flow protection device	Please note that this is used for flow meter and not for diaphragm meter. Please remove it. Please confirm.	Bidder to refer annexure 1 of corrigendum#1
8	Technical Volume		Strainer NRV, RO	Please note that strainer, NRV, RO is used on flow meter and not diaphragm Meter. Please remove it. Please confirm.	Bidder to refer annexure 1 of corrigendum#1
9	Technical Volume		Brass adaptor	Since we can meet your thread sizes, whether the brass adaptor is still required? We don't feel so. Please confirm and clarify	Refer note no.4 of datasheet in Group-C
10	Technical Volume		AMR	We understand that GNGPL requirement is for mechanical meter and not for smart meter. So this AMR is not needed. Please confirm	Bidder understanding is correct for Group-A,Group-C & Group-D.
11	Technical Volume		C-C Distance	Please note that we will meet C-C distance for G4 & G6. However for other size of meter, our C-C will be as under:- For G10 - 200mm For G16 - 240mm For G25 - 300 mm Please confirm your acceptance of above C-C distance.	Bidder to refer Note no.5 of datasheet for Group-C of commercial diaphragm gas meter.
12	Technical Volume		Calibration certificate	We will provide you the calibration certificate in electronic format. Please accept and confirm	Tender condition shall prevail.
13	Technical Volume		Brass adaptor	Since we can meet your thread sizes as per your requirements, so we understand that the requirement of brass adaptor and washer is not needed. Please confirm	Refer serial no.23 of Group-D
14	Technical Volume		AMR	We understand that GNGPL requirement is for mechanical meter and not smart meter, so this AMR is not needed. Please confirm our understanding is correct	Bidder understanding is correct for Group-A,Group-C & Group-D.
15	Technical Volume		LIST OF RECOMMENDED THIRD PARTY INSPECTION AGENCY (TPIA): As mentioned in the list	Romet make RPD Meters are manufactured in canada. The manufacturing facility is certified by Measurement Canada. Kindly accept.	Tender condition shall prevail.
16	Technical Volume		Pulse generators shall be provided with means of plugging and sealing arrangement against unauthorized interference.	Meter with intergal EVC comes wth HF Pulse input to EVC. This ensures high accuracy and tamperproof design. Pls accept	Accepted. However this is applicable for Group-B gas meter-RPD meter with AMR & EVC

17	Technical Volume		The AMR system of each meter shall be supplied with integral / external EVC, all available technologies except RF technology to record gas consumption and diagnostics from the meters. The meter reading data collected through AMR system shall be uploaded to Bidder's cloud server.	Please confirm corrected & uncorrected volume hourly and daily reading with date and time stamped is acceptable.	Corrected and uncorrected volume is required and the required frequency of meter reading shall be shared to successful bidder.
18	Technical Volume		The SIM cards shall be supplied by the Bidder providing service for five years. Monthly charges of the SIM shall be included in supply.	Please confirm if SIM card is in Bidder's scope providing service for five years	SIM card is not in the bidder's scope.
19	Technical Volume		Communication Ports	We offer a single COM Port i.e. RS-232/ RS-485, can be used for local/ remote communication.	Tender condition shall prevail.
20	Technical Volume		Body Hydrotest	The meters are completely imported and we can offer pneumatic test. Please confirm	Pneumatic test is acceptable
21	Technical Volume		Back-run stop is to be provided to prevent the meter from running backwards in case of tampering or back flow condition. Transmission system shall be tamperproof non- magnetic with transmission rate of 0.01 m <sup>3</sup> / rotation for G4 & G6 and 0.10 m <sup>3</sup> / rotation for G10 - G25.	We understand that index counter should not be rotate in this case, pl. confirm	Bidder understanding is correct.
22	Technical Volume		Diaphragm meter shall be provided with Automatic Meter Reading (AMR) and either integral or external Electronic Volume Corrector (EVC). Refer meter and EVC data sheet for exact specifications.	We understand AMR and EVC is not applicable for domestic diaphragm gas meter G1.6, Pl. confirm	Bidder understanding is correct for Group-A,Group-C & Group-D. However there should be provision for upgrading it to AMR and EVC in future
23	Technical Volume		Meter case sealing : Effective sealing as per governing standard.	Pl. Share the details of sealing standard	Sealing shall be as per governing standard
24	Technical Volume		3/4"NPTM at both inlet and outlet conforming to ANSI B1.20.1. In case end connections are different, bidder to provide suitable adaptor (Free Loose Nut type) to meet the required connection size. (Note-2) & (Note-5).	We understand 3/4 NPT boss at inlet and outlet and two washers, pl. Confirm	Bidder understanding is correct for Group-D
25	Technical Volume		Description of test	Pl. Confirm	Refer annexure 2 of corrigendum-1.
26	Technical Volume		Witness of quantity shall be as per inspection level 1 AQL 1% as per IS 2500 (part 1) : 2000	We confirm, but TPIA Inspection Sampling Qty is 10% which is so high, please accept 1% which is sufficient as per test condition	Witness of quantity shall be as per inspection level 1 AQL 1% as per IS 2500 (part 1) : 2000.
27	Technical Volume		RPD Meter with EVC & AMR	We understand that with AMR you meant GPRS modem in the EVC? We can supply meters with integrated GPRS modem.	The integrated AMR / MODEM which shall be provided by bidder should only operate on battery with min. of 5 years battery life.
28	Technical Volume		Over-flow Protection Device - Restriction Orifice (RO) required at downstream of meter -	This is not applicable for commercial diaphragm meters.	Bidder to refer annexure 1 of corrigendum#1
29	Technical Volume		For diaphragm type meter, the following accessories to be provided: strainer, NRV, RO. Pressure drop across complete meter assembly consisting of meter, NRV, RO, strainer, conical filter shall be less than 25 mbar.Over flow protection shall be 120% of max. flow.	This is not applicable for diaphragm gas meter.	Bidder to refer annexure 1 of corrigendum#1
30	Technical Volume		Meters shall be provided with suitable brass adaptors with free loose nut & PTFE washer (2mm) to meet above specified dimensions. Spare washer (5 pairs) shall be provided with each meter.	In case of differing end connection than what is specified in the tender, we shall only provide brass adaptor to meet the specified end connection. Free loose nut is not applicable for diaphragm gas meter.	In case if the end connection of meter and pipe does not match then it should be the responsibility of bidder to provide the loose nut along with other accessories to meet the requirement.
31	Technical Volume		Meter shall be provided with a device in the outlet to prevent reverse flow. Over flow protection device (Restriction Orifice) shall be provided at the downstream of meter. Material of construction of restriction orifice shall be PTFE and shall be suitable for natural gas application.	Kindly confirm that restricting orifice is not required for domestic meter G 1.6. There is no any reverse flow restrictor available in the domestic meter G 1.6. But meter will be equipped with prevention of reverse rotation of index.	This is a standard specification. Refer tender datasheet.
32	Technical Volume		Vendor shall provide brass adaptor with 1" inlet /outlet connection. Washer shall be of PTFE material of construction and provided along with restriction orifice.	We will be supplying the domestic meter G 1.6 with end connection as 3/4" NPTM as per provided datasheet. The brass adaptor is not required for domestic meter G 1.6. Kindly confirm.	This is a standard specification. Refer tender datasheet.
33	Technical Volume		Diaphragm meter shall be provided with Automatic Meter Reading (AMR) and either integral or external Electronic Volume Corrector (EVC). Refer meter and EVC datasheet for exact	We understand that EVC won't be supplied with domestic meter G 1.6. Only provision of AMR compatible will be required in the domestic meter G1.6. Kindly confirm	Bidder understanding is correct for Group-A,Group-C & Group-D. However there should be provision for upgrading it to AMR and EVC in future
34	Technical Volume		Rangeability shall be 100:1 or better.	We understand that the rangeability of the meters G10 & G16 would be 1:50 which is as per provided datasheet. Kindly confirm	Bidder to refer the RPD meter datasheet for the project specific requirement.
35	Technical Volume		The SIM cards shall be supplied by the Bidder providing service for five years. Monthly charges of the SIM shall be included in supply.	Kindly Consider the supply of SIM & monthly charges in the scope of GNGPL.	SIM card is not in the bidder's scope.
36	Technical Volume		17. Pulses / M3: LF & LF/HF* 34. Output: 1 LF, 1 LF/HF and 1 AT (Anti Tampering)	Please clarify whether pulses is 2 LF or 2Lf and 1 AT	Pulse Output shall be 1 LF, 1 LF/HF and 1 AT (Anti Tampering)

37	Technical Volume		38. NRV: Required, 1 No 39. Restriction Orifice: Required, 2 Nos 40. Strainer: Required, 1 No 41 Companion Flange: Required, 2 Nos + 2 Nos spare	We understand the following material needs to be provided separately per meter: 1 no. NRV per Meter, 2 no. Restriction Orifice per Meter 1 no. Strainer per Meter 4 nos. Companion flange per Meter  Please confirm if our understanding is correct.	Bidder understanding is correct
38	Technical Volume		38. NRV: Required, 1 No 39. Restriction Orifice: Required, 2 Nos 40. Strainer: Required, 1 No 41 Companion Flange: Required, 2 Nos + 2 Nos spare	This subjected material shall not be provided in Group B (RPD meter with EVC) as it is not mentioned in datasheet of RPD meter with EVC and AMR, kindly confirm.	Bidder needs to read and understand the tender clearly.
39	Technical Volume		35. Communication between MIU and Remote Server: The meters quoted should be supplied with AMR solution along with any technology module except RF technology for uploading the meter data into cloud server. Geo-tagging accurate up to 5 decimal points to be configured for all the meters	We understand SIM card, server, data hosting, geo tagging etc. shall be in the scope of M/s GNGPL, kindly confirm.	Confirmed
40	Technical Volume		Bidder shall supply software for remote data monitoring through GSM modem. The software shall be installed in office / control room and actual performance of software for remote data monitoring shall be carried out by Bidder. All necessary arrangement required to perform software operation shall be done by Bidder at no extra cost.	Please accept cloud based software for remote data monitoring of EVC on annual chargeable basis.	Data hosting through AMR shall be applicable in Group-B. However the data hosting services are not in bidder's scope.
41	Technical Volume		5. Area Classification: Zone 1 Group IIA /IIB, T3	Please accept Area classification: Ex II 1G Ex ia IIC T4 Ga.	Tender condition shall prevail
42	Technical Volume		17. Pulses / M3: LF & LF/HF*	Please confirm actual requirement of HF Pulses output from RPD Meter. It will add more cost on RPD meter.	Pulse Output shall be 1 LF, 1 LF/HF and 1 AT (Anti Tampering)
43	Technical Volume		26. Rangeability: 1:50 or better	Please accept Rangeability of G 10 is 1:40 in our certificate, however our G 10 is capable to provide 1:50 rangeability. Kindly accept.  We will supply RPD Meter G16 with rangeability 1:50 or better.	Tender condition shall prevail
44	Technical Volume		39. Restriction Orifice: Required 2 Nos.: MOC: SS316	01 No. Conical strainer is enough to install at the outlet of RPD Gas Meter to protect it from dust particles. Please accept 01 No. qty to be supply with each RPD Meter.	Tender condition shall prevail
45	Technical Volume		43. Temperature Tap on Meter Body: Required 1/4" NPT, Thermowell SS 316, RTD 6mm probe	Please confirm that temperature tap is required for size 1/4"NPT with Thermowell SS316 suitable for insertion of RTD 6 mm probe. RTD is not required.	Tender condition shall prevail
46	Technical Volume		46. Radiography: 100% required for all welded joints	RPD Meter doesn't have any welded joints so this Radiography test is not applicable for it. Please accept.	100% Radiography is applicable in case of welded joints
47	Technical Volume		Meter Type G10: F-F Distance: 171 mm	Please accept F-F distance: 130 mm	Bidder to refer note no. 4 of datasheet for RPD Gas Meter for clarification.
48	Technical Volume		5. Area Classification: Zone 1 Group IIA /IIB, T3	Please accept Area classification: Ex II 1G Ex ia IIC T4 Ga	Tender condition shall prevail
49	Technical Volume		25. Back-run Stop: Required to prevent the meter from running backwards in case of tampering or back flow condition.	Please accept the additional equipment e.g. NRV to install at outlet of RPD Meter to provide prevent the meter running from backwards in case of tampering or back flow condition.	Accepted. However it should be arranged with meter itself.
50	Technical Volume		Operating / Design Temperature: -10 to 55 Deg. C / 60 Deg. C	Please accept Design temperature 55 Deg.C.	Tender condition shall prevail
51	Technical Volume		5. Pressure drop across complete meter assembly consisting of meter, NRV, RO and strainer shall be calculated and provided.	Please accept the pressure drop less than 10 mbar across RPD meter only. NRV, RO, Strainer are additional accessories requirement with RPD Meter so RPD meter OEM is not able to provide pressure drop across complete meter assembly.	Tender condition shall prevail
52	Technical Volume		1. RS232/485 serial port for SCADA facility (configurable up to 9600 bps); 2. USB 2.0/3.0 port for PC/Laptop connectivity; 3. Optical port	Please accept either RS232 or RS485 serial port is acceptable for SCADA facility.	Accepted
53	Technical Volume		Conduit connection of 1/2" NPTF with plugs shall be provided for output.	Please accept conduit connection as per OEM of Electronic Volume Corrector.	Tender condition shall prevail
54	Technical Volume		1/2"NPTF	Please accept cable entry as per OEM of Electronic Volume Corrector.	Tender condition shall prevail
55	Technical Volume		Group - B - RPD Gas Meter with AMR & EVC	We authorized distributor of EVC. We kindly requeste to keep separate SOR for EVC, which in a way helpful to GNGPL for additional vendor base, as there are limited bidders for EVC who can supply both EVC and RPD meters. I	Tender condition shall prevail
56	Technical Volume		EVC input shall be either LF/ HF pulse and additional 1AT (anti tampering);	WE offer EVC with LF only as input as standar practice. Please accept the same	Tender condition shall prevail

57	Technical Volume		3. Pressure sensor shall be directly mounted on the meter and wired to EVC with a range in accordance with max. working pressure and design pressure	We offer EVC with pressure range of 0.8 to 10 bar(a). Pressure sensor can be of external type wired with EVC having thread type as NPT(M) 1/4" Kindly accept the same	Tender condition shall prevail
58	Technical Volume		2 or 1 Line LCD Alfa Numeric Display (all parameters should be displayed by scrolling)	Since there are multiple parameters required to display on EVC. We request GNGPL to consider Graphical display with multiple keypad entry for better resolution and display parameter instead of only scrolling. These are the standard EVC specifications which are globally required. Please update this in your specification.	Tender condition shall prevail
59	Technical Volume		Lithium battery along with mounting hardware. (Refer Note: 7)	In specification there is no mention about note-7. We offer battery life >10 years, which will help GNGPL to reduce re-occurring cost of EVC battery replacement on large extent. Please accept the same	Bidder to refer note:5 in this case.
60	Technical Volume		Tagplate (SS 316) stamped with instrument tag number and service in 10mm characters shall be attached via SS wire (1 mm)	Tagplate for EVC is in line with EN 12405. SS wire provision is possible for EVC. Please accept the same	Tender condition shall prevail
61	Technical Volume		EVC should be supplied along with single SIM GSM/GPRS modem	We understand that SIM card is not scope of Bidder, Please clarify	Bidder understanding is correct.
<p><b>Note:</b>  1. Bidder to submit reply to bidder's queries along with techno-commercial bid documents duly signed and stamped.  2. All other terms and conditions shall remain unchanged as per tender document.</p>					