



CITY GAS DISTRIBUTION PROJECT FOR
AGARTALA CITY

E - BID
DOCUMENT FOR

COMMERCIAL GAS METERS

UNDER OPEN COMPETITIVE BIDDING

Bid Document No.: TNGCL/C&P/O&M/Comm. Meter/P(6016)/2018-19

VOLUME – II OF II

PREPARED AND ISSUED BY

Contracts & Procurement Department
Tripura Natural Gas Company Ltd.
Shilpa Nigam Bhawan, Khejurbagan,
P.O – Kunjaban, Agartala, Tripura-799006
Email: chiranjib@tngcl.com



**CNG & CITY GAS DISTRIBUTION
FOR AGARTALA CITY**

VOLUME-II

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**CNG & CITY GAS DISTRIBUTION
FOR AGARTALA CITY**

SECTION - VIII

SPECIAL CONDITIONS OF CONTRACT (SCC)



TNGCL

**PROJECT: CNG & CITY GAS DISTRIBUTION FOR
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SECTION -VIII

SPECIAL CONDITIONS OF CONTRACT (SCC)

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SECTION - VIII

SPECIAL CONDITION OF CONTRACT

GENERAL

Special Conditions of Contract shall be read in Conjunction with the General Conditions of Contract, Specification of work, Drawing and any other documents forming part of this Contract wherever the context so requires.

Notwithstanding the sub-division of the documents into these separate sections and volumes ever part of each shall be deemed to be supplementary to and complementary of every other part and shall be read with in the Contract so far as it may be practicable to do so.

Where any portion of the General Conditions of Contract is repugnant to or at variance with any provisions of the Special Conditions of Contract, unless a different intention appears, the provisions of the Special Conditions of Contract shall be deemed to over-ride the provisions of the General Conditions of Contract and shall be the extent of such repugnancy, or variations, prevail.

Wherever it is mentioned in the specification that the Contractor shall perform certain work or provide certain facilities, it is understood that the Contractor shall do so at his cost and the **Value of Contract** shall be deemed to have include cost of such performance and provisions, so mentioned.

The materials, design, and workmanship shall satisfy the relevant Indian Standard, the Job Specifications contained herein and Codes referred to. Where the job specification stipulate requirements in addition to those contained in the standard codes and specifications, these additional requirements shall also be satisfied.

In case of an irreconcilable conflict between Indian or other applicable standards, General Conditions of Contract, Special Conditions of Contract, Specification, Drawings or Schedule of Rates, the following shall prevail to the extent of such irreconcilable conflict in order of precedence :-

- i) Letter of Acceptance/ FOI alongwith Statement of Agreed Variations.
- ii) Schedule of Rates as enclosures to Letter of Acceptance
- iii) Special Conditions of Contract
- iv) Drawings
- v) Technical/ Material Specifications
- vi) Instruction to Bidder
- vii) General Conditions of Contract
- viii) Indian Standards
- ix) Other applicable standards



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It will be the Contractor's responsibility to bring to the notice of Engineer-in-charge any irreconcilable conflict in the contract documents before starting the work(s) or making the supply with reference which the conflict exists.

In the absence of any Specifications covering any material, design of work(s) the same shall be performed/ supplies/ executed in accordance with Standard Engineering Practice as per the instructions/ directions of the Engineer-in-charge, which will be binding on the Contractor.

5.0 Scope of Supply

The scope of supply shall be as given in Material Requisition and data sheets (Section-IX of Volume II).

6.0 Delivery Schedule

The delivery schedule is given at section-IX of Vol II of II of tender document.

7.0 Payment Terms

The terms of payment shall be as follows:

For Indian Bidders only

- A) 90 % (Ninety percent) payment on receipt of goods at site along with submission of following documents: -
- i) Invoice in triplicate
 - ii) Inspection Release note by Owner or his appointed or approved agency.
 - iii) GR / LR
 - iv) Packing List
 - v) Insurance cover note covering transit insurance
 - vi) A certificate from manufacturer that the all items/ equipment under supply including its component or raw material used with manufacturing are new and conform to the tender requirement. In case manufacturer is not the contractor the contractor owning overall responsibility will duly endorse this certificate.
 - vii) Performance Bank Guarantee(s) of 10% of Contract Value. If already submitted, a copy of the same.
 - viii) Document related to CENVAT credit/VAT Set off to be claimed by Owner, if applicable.
 - ix) Documents as specified in the Technical Specifications/ Material Requisition, Volume-II of II of the Bid Document.
- B) 10% (ten percent) within 30 (thirty) days after receipt and acceptance of goods at site alongwith submission of following documents: -
- i) Acceptance Certificate
 - ii) No Claim Certificate.



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General Notes

- i) All efforts shall be made to release the payment within 30 days after receipt of relevant documents complete in all respects.
- ii) All bank charges incurred in connection with payments shall be to vendor's accounts.
- iii) Unless otherwise specifically stated in bid document, all payments shall be made in the currency quoted.
- iv) No interest charges for delay in payments, if any, shall be payable by Owner.
- v) In case of Indian bidder (Contractor), statutory variation, if any, on account of customs duty on their built-in import content, as per terms of bid document, shall be claimed separately by Supplier after receipt of goods at site(s). However, any price benefits to the Owner, on account of such variation as per terms specified in the bid document, shall be passed on to the Owner along with invoicing itself. Copy of necessary documentary evidence in support of statutory variation shall be submitted alongwith claim/ invoicing.



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5.0 INLAND TRANSIT INSURANCE FOR PROCUREMENT OF GOODS

Supplier will be required to submit documentary proof for the transit insurance before despatch.

6.0 REPEAT ORDER

Repeat order upto 50% of contact value within 6(six) months from the date of basic order as per terms of bid document. In case 50% is not a whole number, the same can exceed 50% to make it nearest higher whole number.

7.0 DELIVERY BASIS

Delivery basis to be on FOT site basis.



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T N G C L

SECTION-IX
TIME SCHEDULE



**PROJECT: CNG & CITY GAS DISTRIBUTION FOR
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SECTION-IX_____

NATURAL GAS METERS AND REGULATORS

Sl. No.	Item Descriptions	Completion schedule for all type of meters
1	Design, Engineering, Factory Testing, Supply (FOT Site basis) including packaging forwarding, Transit Insurance, transportation, custom clearance, Loading / Unloading, etc. at port as well as TNGCL sites/ designated store.	
1.1	40 Nos. of G2.5 Meter, 10 Nos. of G4 Meter, 20 Nos. of G6 Meter & 10 Nos. of G10 Meter	10 weeks from date of Fax of Intent / PO



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SECTION - X

MR
FOR
GAS METERS

DATA SHEETS
FOR
GAS METER



Tripura Natural Gas
(A Joint Venture of GAIL India Ltd., Govt. of Tripura and Govt. of Assam)

TRIPURA NATURAL GAS COMPANY LIMITED

(A Joint Venture Of Gail & Govt. of Tripura & Govt of Assam)

CITY GAS DISTRIBUTION PROJECT FOR AGARTALA CITY

GAS METERS

MATERIAL REQUISITION



**PROJECT: CNG & CITY GAS DISTRIBUTION
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PROJECT : CNG & CITY GAS DISTRIBUTION FOR AGARTALA CITY
ITEM : GAS METERS
CLIENT : M/s TRIPURA NATURAL GAS COMPANY LIMITED(TNGCL)

Sl. No.	DESCRIPTION	UNIT	QTY	Remark
	Design, detail engineering, manufacturing, assembly, factory testing, supply of Natural Gas Metres & Regulators including packaging, insurance, handling, transportation, loading / unloading at sites/ designated store, documentation etc. and providing all related services, commissioning spares conforming to respective data sheets enclosed with tender.			
GROUP - C	<u>COMMERCIAL METERS</u>			
C.1.0	Flow capacity of 16 m3/hr, & Max. Working pressure 500 mbar as per Data Sheet	Nos.	10	
C.2.0	Flow capacity of 10 m3/hr, & Max. Working pressure 500 mbar as per Data Sheet	Nos.	20	
C.3.0	Flow capacity of 06 m3/hr, & Max. Working pressure 500 mbar as per Data Sheet	Nos.	10	
C.4.0	Flow capacity of 04 m3/hr, & Max. Working pressure 500 mbar as per Data Sheet	Nos.	40	



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Note:

1. Evaluation will be as a whole and order will be placed on the lowest bidder for all the items.
2. If Authorized Supplier / Indian subsidiary quoted as Bidder for foreign manufacturer's Gas Meters , then third party Inspection of material at manufacturer's works has to be arranged by the Bidder for the supplied materials. If bidder proposed Inspection at their works in India then Bidder's proposed facility/ workshop shall be certified by a reputed Inspection / testing agency such as CEIL/ Lloyds/ BV/ DNV/ TUV/ ABS/ Moody/ SGS/ GLI/ Velosi / FCRI / DVGW and bidder shall furnish a certificate from the said agency that the workshop has the capability of testing of Gas Meters complying the Specifications of the quoted Gas Meters

DATA SHEET OF DIAPHRAM METERS FOR COMMERCIAL CONSUMERS			
General	Service	Natural Gas	
	Standard	Approved to EEC and OIML Standards. Note:1	
	Installation	Suitable for out Door / Indoor Installation, tamper proof and corrosion resistance for a life period of 20 years.	
Proc	Flow/ Service (G10)	16.0 m³/hr (MAX.) 0.1 m³/hr(MIN.) Quantity : as per MR	
	Flow/ Service (G6)	10.0 m³/hr (MAX.) 0.06 m³/hr(MIN.) Quantity : as per MR	
	Flow/ Service (G4)	6.0 m³/hr (MAX.) 0.04 m³/hr(MIN.) Quantity : as per MR	
	Flow/ Service (G2.5)	4.0 m³/hr (MAX.) 0.03 m³/hr(MIN.) Quantity : as per MR	
	Accuracy	±3% (Q min to 0.1 Q max) ±1.5% (0.1 Q max to Q max)	
	Range ability	1:150 or better	
	Cyclic Volume	Minimum (Vendor to specify)	
	Normal Working Pressure	0.2 - 0.5 bar(g)	
	Max Working Pressure	0.5 bar(g)	
	Design Pressure	1.0 bar (g)	
Body	Case Work/ Body	Suitable for indoor/outdoor installation, tamper proof and corrosion resistant. / Aluminium or Steel	
	Corrosion Protection	Suitable coating on inside and outside of casing.	
	End Connections(Two -Pipe Version)	1/2 " NPT(M) inlet and outlet conforming to ANSI B 1.20.1 (Incase the end connections are differing bidder to provide suitable adopters of same material of meter and approved quality to meet the specified end connections).	
	Fire Resistance	As per BS EN 1359:1999/ BS 4161 or equivalent	
Index	Max.Index Reading	99999.999 Index with auto reset facility and protection as per IP65.	
	Unit	CM (Cubic Meter)	
	Marking on index dial	TNGCL	
Internals	Ingress Protection	IP 65 and above	
	Diaphragm	Polyester fabric coated with rubber on either side of equipment for an endurance life cycle of 80,000 cum.	
	Centre to Centre distance between inlet & outlet connection	to be given by vendor	
Others	Other Internals	All meter internals shall be non-metallic to prevent from tampering like magnet.	
	Leak testing	Meter pressurized with air at 1.5 MAOP of the meter, immersed in water for observance of leakage.	
	Sealing Arrangement	Provision has to be made by vendor	
	Automatic Meter Reading System	Meters should be compatible for AMR installation	
	Noise	Very low, vendor to specify	
	Anti Tampering	Meter internal to be non metallic to prevent from tampering like magnet.	
Notes :	EEC/MID marking on the meter	Required	
	Reverse Flow Restrictor	The reverse rotation of index is not allowed.	
	1	The meters shall be approved and manufactured in accordance with the requirement of BS EN 1359:1999, or equivalent and as per the requirement of this data sheet.	
	2	The Vendor shall provide calibration certificate and accuracy at MAOP of the meter for flow rates of Qmax , Qmin , 0.1 Qmax. It model approval should be from FCRI or DVGW or equivalent authorities.	
	3	The Vendor shall submit, along with the offer, the manufacturing standards, Model number, performance curves, approvals of the statutory bodies and technical details of the model offered. Successful Vendor shall submit following documents during detail engineering / supply of material. a) Dimensional outlet with mounting details with model number, part list and technical literatures. b) Connection by purchaser (piping, Electrical etc.) c) Installation, Operation and Maintenance Instruction Manual. d) Testing and Inspection procedure. e) Test, Calibration and certificate from statutory bodies. f) Test certificate covering each meter supplied confirming the accuracy of registration in accordance with the requirement of BS EN 1359: 1999 or equivalent. g) All Meters should be individually packed & the packed meter should be repacked in a large box.	
	4	End connections shall be protected by Plastic Caps.	
5	The meters shall be indelibly marked with details of Max. Flow, direction of flow, Max. operating pressure, name of the manufacturer, model serial number, date of manufacturing etc along with name & logo of TNGCL.		
6	Flow capacity in SCMH shall be calculated considering Maximum Operating Pressure & Temperature		
		PROJECT : CNG & CITY GAS DISTRIBUTION FOR AGARTALA CITY	DATA SHEET NO. : TNGCL/TECH/CM/Rev 0 Page 1 of 1



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SECTION – XI

BID FORM



**PROJECT: CNG & CITY GAS DISTRIBUTION FOR
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SECTION – 1

BID FORM – PART - II

To: (Name and address of PURCHASER)

Date:

Gentlemen,

Having examined the Conditions of Contract and Specifications including Addenda Nos. (Insert Numbers) the receipt of which is hereby duly acknowledged, we the undersigned, offer to supply and deliver (Description of Goods and Services) in conformity with the said Drawings, Conditions of Contract and specifications for the same for (total bid amount in words and figures*) or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this bid.

We undertake, if our bid is accepted, complete delivery of as agreed and specified in the IFB document. If our bid is accepted, we will obtain the guarantee of a Bank in a sum not exceeding (10)% of the Contract price for the due performance of the Contract.

We agree to abide by this bid for a period of 4(four) months from the date fixed for bid opening under Instructions to Bidders and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof in your notification of award (Fax of Intent) shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any bid, you may receive.

Dated this Day of 2019

Signature

.....
In the capacity of Duly authorized to sign bid for and on behalf of

Witness

Address


Signature

(*) : Quoted amount should be filled in this bid form when it is being submitted as part of price bid i.e. being enclosed with Part – II of the bid.



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SECTION – XII
**SCHEDULE OF RATES/
PRICE SCHEDULE**

 T N G C L	PROJECT: CNG & CITY GAS DISTRIBUTION FOR AGARTALA CITY	
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PRICE SCHEDULE / SCHEDULE OF RATES

PROJECT : CITY GAS DISTRIBUTION FOR AGARTALA CITY

ITEM : NATURAL GAS SMART METERS FOR COMMERCIAL CUSTOMERS

In Rupees

Sl. No.	Description	Unit	Qty	Unit Price Ex-works including cost of raw materials/ components, pkg/fwd, but excluding IGST	Freight	Per Unit IGST @18%	Per Unit FOT Site	Total FOT Project Site
1	2	3	4	5	6	6= 18% of [5+6]	8= ([5] + [6] +[7])	9= [8] x [4]
	Design, detail engineering, manufacturing, assembly, factory testing supply of Natural Gas Meters including packaging, insurance, handling, loading with tender related services, commissioning spares conforming to respective data sheet enclosed with tender							
A	COMMERCIAL FLOW METER							
A.1	Flow Capacity of 4 m3/hr & Max Working Pressure 500 mbar as per data sheet	Nos.	40					
A.2	Flow Capacity of 6 m3/hr & Max Working Pressure 500 mbar as per data sheet	Nos.	10					
π	Flow Capacity of 10 m3/hr & Max Working Pressure 500 mbar as per data sheet	Nos.	20					
A.4	Flow Capacity of 16 m3/hr & Max Working Pressure 500 mbar as per data sheet	Nos.	10					
TOTAL								

Note:

1. Evaluation will be as a whole and order will be placed on the lowest bidder for all the items.
2. Bidder shall indicate the following rates considered in the prices indicated in the Price Schedule above. Bidder shall note that any error in estimating these taxes & Duties will be to Bidder's Account.
3. Goods & Service Tax @-----
4. Please indicate the break up of above GST as under:
 - i. CGST @ _____
 - ii. SGST @ _____
 - iii. IGST @ _____