



MAHARASHTRA NATURAL GAS LIMITED (MNGL)

CITY GAS DISTRIBUTION PROJECT FOR MNGL, PUNE


BID DOCUMENT FOR

**TENDER FOR SUPPLY, INSTALLATION &
COMMISSIONING OF A PRESSURE REGULATING SKID
(PRS) AT GAIL'S IP04 SHAHAPUR FOR NANDED GA.**

UNDER OPEN DOMESTIC COMPETITIVE BIDDING

(THROUGH E-TENDERING MODE)

Bid Doc. No.: MNGL/CP/2025-26/132 dated 23.01.2026

 MAHARASHTRA NATURAL GAS LIMITED	Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA. Bid Doc. No. MNGL/CP/2025-26/132
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VOLUME I OF II


SECTION – I

INVITATION FOR BIDS (IFB)

M/s. Maharashtra Natural Gas Ltd., Pune, invites online bids (Technical & Financial) **UNDER TWO BID SYSTEM** from eligible bidders for the item(s) in complete accordance with the Bid Documents.

1.0 TENDER INFORMATION

Tender Document Number	MNGL/CP/2025-26/132 dated 23.01.2026
ITEM(S)	Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.
TYPE OF BID	Open Domestic Competitive Bidding
TIME SCHEDULE	As per Section V of Vol. II of II
EARNEST MONEY/ BID SECURITY	Rs. 2,00,000/- in the form of Demand Draft / BG to be in favor of "Maharashtra Natural Gas Ltd." payable at Pune. Account Details for SWIFT / SFMS Statement / Message: Name of the Beneficiary: M/s. Maharashtra Natural Gas Ltd. Name of the Bank & Address: State Bank of India Branch: Industrial Finance Branch, "Tara Chambers", Pune-Mumbai Road, Wakadewadi, Pune-411 003 A/c No.: 35310073625 IFSC Code: SBIN0008966
BID SECURITY VALIDITY	6 (Six) months from the final bid due date
TENDER FEE ((Non-refundable)	Not applicable
BID VALIDITY	4 (Four) months from the final bid due date
Pre-bid meeting date and time	29.01.2025 @ 11:00 Hrs. VC Link: https://meet.google.com/bts-hktf-dgi
Bid submission due date and time	12.02.2025 till 15:00 Hrs. IST
Techno-commercial bid opening date and time	13.02.2025 at 16:00 Hrs. IST
Bid Submission at	https://etenders.gov.in
Price bid opening date and time	Date and time shall be notified later
Address for submission of EMD/Bid Security and venue for pre-bid meeting and opening of bids	General Manager, C&P Department, M/s. Maharashtra Natural Gas Ltd., Pride Purple Coronet, 2 nd Floor, Baner Road, Baner, Pune – 411045

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Contact details	Telephone: +91 (20) 25611000/1190/1153 Email: gasaid@mngl.in / akshay.girme@mngl.in
BIDDER ELIGIBILITY CRITERIA & BID EVALUATION CRITERIA	As per Annexure – I to IFB

Note: Bidders are advised to complete the registration with e-tender portal (<https://etenders.gov.in>) at least two working days prior to bid submission date.

Please note that in accordance with the general conditions of tender, MNGL may amend these dates of the tender process at its sole discretion. In case any of the specified dates are declared a public holiday, the deadline shall be the next working date.

2.0 BIDDING PROCEDURE

Bidding will be conducted through Open Domestic Tendering. Single Stage Two Bid system is adopted for this tender. The submission and opening of bids will be through e-tendering mode at <https://etenders.gov.in/eprocure/app>. Tender document can be downloaded from the website <https://etenders.gov.in/eprocure/app> or from e-tender link given on official MNGL website www.mngl.in.


Note: To participate in the e-tendering, it is mandatory for the bidders to have user ID & password. For this purpose, the bidder must register itself on CPPP's website <https://etenders.gov.in/eprocure/app>. Please also note that the bidder must obtain digital signature token for applying in the tender and in general, activation of registration may take 24 hours' subject to the submission of all requisite documents required in the process.

Note: MNGL in no way shall be responsible if the bidder fails to apply due to non-possession of Digital Signature & non-registration.

(The bids must be submitted online in electronic form at <https://etenders.gov.in/eprocure/app> only. No physical bids will be accepted.)

3.0 DOWNLOADING OF TENDER DOCUMENT

The tender document is available for downloading from CPPP's e-tendering website <https://etenders.gov.in/eprocure/app> or from e-tender link given on official MNGL website www.mngl.in for viewing / participation of the eligible bidders. Bidders meeting the bid evaluation criteria who intend to submit their bid may download the tender for submission by the bid due date and time. Bidder shall give an undertaking on his letterhead that the contents of the bidding document have not been altered or modified. Bid evaluation criteria shall be applicable for all the bidders.

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Disclaimer clause: Bidders are advised to visit CPPP's e-tendering website and MNGL website regularly for any updates on the tender. The ignorance to visit the website will not be accepted as a reason for any gap / missing information like corrigenda, amendments, clarifications etc.

4.0 PRE-BID MEETING

The bidder(s) or their designated representatives, who have downloaded the bid document, or to whom tender document has been issued and intend to bid are invited to attend the pre-bid meeting. Bidder(s) queries if any, must reach Purchaser office at least one day prior to pre-bid meeting date. The pre-bid meeting can be organized through video conferencing or physically. In case of physical meeting, the venue of pre bid meeting is MNGL office at Pride Purple Coronet, 2nd Floor, Baner Road, Baner, Pune – 411045.

Non-attendance of the pre-bid meeting will not be a cause for disqualification of a bidder. Corrigendum/addendum, if any, to the tender document, shall be hosted on the website after the pre-bid meeting.

Bidders may also note that the registration process for new bidders on e-tender portal shall take a minimum of 24 hrs. Hence, bidders are advised to kindly complete their registration on e-tender portal well in advance of the pre-bid meeting.

In case of pre-bid meeting through video conferencing, Link shall be sent to all the interested bidders by the purchaser.

Instructions to bidders for Pre-bid meeting through video conferencing: All bidders intending to attend pre-bid meeting must send their interest through email (at least 2 hours prior to the scheduled time of pre-bid meeting) to the purchaser. E-mail received from bidders within specified timeline shall be invited through email to attend the meeting.


Advisories for the bidders attending the pre-bid meeting:

(1) All the Bidders who have submitted their registration details and interest to attend the pre-bid meeting will be invited to join as guests through the link shared in mail.

(2) All bidders/participants mandatorily must pin MNGL screen on their computer screens during the pre-bid meeting.

(3) Bidders shall be allowed to discuss their queries in sequence of their responses received.

(4) Time slot shall be allotted to each bidder to ask his queries.

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(5) Recording of the pre-bid meeting by the bidders is strictly prohibited. After pre-bid meeting, corrigendum shall be issued by the purchaser regarding clarifications or queries raised during meeting.

5.0 OTHERS:

5.1 Bid Document is non-transferable.

5.2 Bids complete in all respects should reach on or before the BID DUE DATE AND TIME. Bids through Fax/ E-mail shall not be considered.

5.3 The Bid Document calls for offers on single point "Sole Bidder" responsibility basis.

Order will be placed on the "Sole Bidder" alone (in whose name the bid document has been issued) who will be responsible for all contractual purposes.

Further the bidders are advised to ensure that their offer is on single bidder responsibility basis and in total compliance of scope of supply as specified in Bid Document.

5.4 The bid should be prepared by the "Sole Bidder" and should be sent to MNGL directly. MNGL reserve the right to reject offers made by intermediaries' representatives.

5.5 Bidder shall ensure that Bid Security having a validity of 6(SIX) months from the bid due date, must accompany the offer in the format made available in the Bid Document.

5.6 This Invitation for Bids (IFB) is an integral and inseparable part of the enclosed Bid Document.

5.7 MNGL reserves the right to accept or reject any or all offers without assigning any reason, whatsoever.

5.8 ZERO DEVIATION TENDER

Bidder shall note that if any deviations are taken to the under mentioned provisions of Bid Documents by the Bidder the bid is liable to be rejected:

- i) Do not meet BEC Criteria
- ii) Bid Security
- iii) Performance Security (Contract Performance Bank Guarantee), 10% of Purchase Order Value
- iv) Delivery Period
- v) Terms of Payment
- vi) Force Majeure



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- vii) Resolution of Dispute/Arbitration
- viii) Termination of Contract,
- ix) Warranty and Guarantee
- x) Offer not submitted for complete scope of work
- xi) Firm prices
- xii) Prices not quoted as per Schedule of Rates formats.
- xiii) Bidder has been put on Black / Holiday list by MNGL / MoP&NG / Oil Public Sector Enterprise(s).
- xiv) Bidder is under liquidation.
- xv) Bids not conforming to technical specifications/requirements.
- xvi) Any other such provisions if specifically stipulated elsewhere in the Bid Document.
- xvii) Price Reduction Schedule.

However, MNGL reserves the right to request the bidder to withdraw the deviations against above-mentioned provisions of Bid Documents.


THIS IS NOT AN ORDER

Yours faithfully,
For, M/s. Maharashtra Natural Gas Ltd., Pune

Ganesh Said
General Manager (C&P)

Encl. 1. Vol. I of II & II of II of Bid Document.

Note: Please confirm your intention to quote or not within 5 (Five) days. In case not intending to quote, please give your valuable feedback to us.

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ANNEXURE-I to IFB

BIDDER'S ELIGIBILITY CRITERIA (BEC)

1.0 GENERAL INFORMATION:

This tender deals with supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.

2.0 SCOPE AND QUANTITY OF SUPPLY:

Supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA as per the specifications mentioned in tender document.

3.0 BIDDER'S ELIGIBILITY CRITERIA (BEC):

A. TECHNICAL:


The bidder should have designed, engineered, manufactured, supplied and commissioned at least the following in the last five years, reckoned from the final bid due date.

01 (One) No. of natural gas Pressure Regulating Skid (PRS) to any CGD / PSU / Government Company in India having a minimum flow rate of 25,000 SCMH.
OR

02 (Two) Nos. of natural gas Pressure Regulating Skid (PRS) to any CGD / PSU / Government Company in India having a minimum flow rate of 12,500 SCMH.

In support of this, the bidder must submit documentary evidence such as a copy of Purchase Order / Service Order / Work Order / Letter of Award / Letter of Acceptance and its completion/execution certificate issued by the Client or authorized EPC/PMC.

In the absence of requisite documents, MNGL reserves the right to reject the bid without making any reference to the bidder.

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B. FINANCIAL:

B.1 Turnover:

The bidder should have achieved a minimum annual turnover of Rs. 147.50 Lakhs in any one of the last 3 (Three) audited financial years i.e. i.e. 2022-23, 2023-24 & 2024-25.

B.2 Net Worth:

Net worth must be positive as per the last audited financial statement i.e. for the year 2024-25.

B.3 Working Capital:

The bidder should have a minimum working capital of Rs. 29.50 Lakhs as per the latest audited balance sheet i.e. for the year 2024-25.

If the bidder's working capital is inadequate, the bidder should supplement this with a letter from the bidder's bank, having a net worth of not less than Rs. 100 crores, confirming the availability of a line of credit to cover the inadequacy of the previous year and meet the current working capital requirement.

Bidder must submit documentary evidence such as balance sheet & Profit & Loss A/c Statement for the last three audited financial years i.e. 2022-23, 2023-24 & 2024-25 in support of the above.


If the audited financial results of the immediately preceding financial year i.e. 2024-25 are not available, then the audited financial results of the year immediately prior to 2024-25 i.e. 2023-24 shall be considered for calculation of Net Worth and Working Capital and Audited Financial Results of the year 2021-22, 2022-23 & 2023-24 shall be considered for calculation of Annual Turnover as specified at Cl. B of BEC-Financial Criteria.

In the absence of requisite documents, MNGL reserves the right to reject the bid without making any reference to the bidder.

4.0 EVALUATION AND AWARD OF CONTRACT:

Evaluation shall be done on an overall least cost basis to the Purchaser.

In case of a tie for the L-1 bidder, the order shall be placed on the bidder having the highest turnover during the preceding 3 Financial Years i.e. 2021-22, 2022-23 and 2023-24.

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SECTION – II


INSTRUCTIONS TO BIDDERS

INSTRUCTION FOR ONLINE BID SUBMISSION

The bidders are required to submit soft copies of their bids electronically on the Central Public Procurement (CPP) Portal i.e. <http://etenders.gov.in/eprocure/app>, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.

REGISTRATION:

- (i) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL:<https://etenders.gov.in/eprocure/app>) by clicking on the link "Online Bidder Enrolment" option available on the home page. Enrolment on the CPP Portal is free of charge.
- (ii) During enrolment/ registration, the bidders should provide the correct / true information including valid email-id & mobile no. All the correspondence shall be made directly with the contractors / bidders through email-id provided.
- (iii) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- (iv) For e-tendering, possession of valid Digital Signature Certificate (Class III Certificates with signing key usage) is mandatory which can be obtained from SIFY /nCode/eMudra or any Certifying Authority recognized by CCA India on eToken/ SmartCard.
- (v) Upon enrolment on CPP Portal for e-tendering, the bidders shall register their valid Digital Signature Certificate with their profile.
- (vi) Only one valid DSC should be registered by a bidder. Bidders are responsible to ensure that they do not lend their DSCs to others which may lead to misuse and should ensure safety of the same.
- (vii) Bidders can then log into the site through the secured login by entering their user ID/ password and the password of the DSC/ eToken.

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SEARCHING FOR TENDER DOCUMENTS:


- 1) There is various search options built in the CPP Portal to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine several search parameters such as organization name, form of contract, location, date, other keywords, etc., to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS:

- (i) For preparation of bid, Bidders shall search the tender from published tender list available on site and download the complete tender document and should consider corrigendum if any published before submitting their bids.

After selecting the tender document same shall be moved to the 'My favorite' folder of bidders account from where bidder can view all the details of the tender document.


- (ii) Bidder shall go through the tender document carefully to understand the documents required to be submitted as part of the bid. Bidders shall note the number of covers in which the bid documents have to be submitted, the number of documents – including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- (iii) Any pre-bid clarifications if required, then same may be obtained online through the tender site, or through the contact details given in the tender document.
- (iv) Bidders should get ready in advance the bid documents in the required format (PDF/xls/rar/dwf/jpg formats) to be submitted as indicated in the tender document/schedule. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

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- (v) Bidders can update well in advance, the documents such as experience certificates, annual report, PAN, EPF & other details etc., under “My Space/ Other Important Document” option, which can be submitted as per tender requirements. This will facilitate the bid submission process faster by reducing upload time of bids.

SUBMISSION OF BIDS:

- (i) Bidder should log into the site well in advance for bid submission so that he/ she upload the bid in time i.e., on or before the bid submission time. Bidder will be responsible for any delay.
- (ii) Bidder should prepare the EMD as per the instructions specified in the NIT/ tender document. The details of the DD/BG/others physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise, the uploaded bid will be rejected.
- (iii) While submitting the bids online, the bidder shall read the terms & conditions (of CPP portal) and accepts the same to proceed further to submit their bid.
- (iv) Bidders shall select the payment option as offline to pay the EMD and enter details of the DD/BG/others.
- (v) Bidder shall digitally sign and upload the required bid documents one by one as indicated in the tender document.
- (vi) Bidders shall note that the very act of using DSC for downloading the tender document and uploading their offers is deemed to be a confirmation that they have read all sections and pages of the tender document without any exception and have understood the complete tender document and are clear about the requirements of the tender document.
- (vii) Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document. For the file size of less than 1 MB, the transaction uploading time will be very fast.
- (viii) If price quotes are required in XLS format, utmost care shall be taken for uploading Schedule of quantities & Prices and any change/ modification of the price schedule shall render it unfit for bidding. Bidders shall download the Schedule of Quantities & Prices i.e., Schedule of Rates, in XLS format and save it without changing the name of the file. Bidder shall quote their rate in figures in the

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appropriate cells, thereafter, save and upload the file in financial bid cover (Price bid) only.

If the template of Schedule of Quantities & Prices file is found to be modified/corrupted in the eventuality by the bidder, the bid will be rejected and further dealt as per provision of clause no 17.0 of ITB including forfeiture of EMD.


The bidders are cautioned that uploading of financial bid elsewhere i.e., other than in cover 2 will result in rejection of the tender.

- (ix) Bidders shall submit their bids through online e-tendering system to the Tender Inviting Authority (TIA) well before the bid submission end date & time (as per Server System Clock). The TIA will not be held responsible for any sort of delay or the difficulties faced during the submission of bids online by the bidders at the eleventh hour.
- (x) After the bid submission (i.e., after Clicking "Freeze Bid Submission" in the portal), the bidders shall take print out of system generated acknowledgement number and keep it as a record of evidence for online submission of bid, which will also act as an entry pass to participate in the bid opening.
- (xi) Bidders should follow the server time being displayed on bidder's dashboard at the top of the tender site, which shall be considered valid for all actions of requesting, bid submission, bid opening etc., in the e-tender system.
- (xii) All the documents being submitted by the bidders would be encrypted using PKI (Public Key Infrastructure) encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology.

ASSISTANCE TO BIDDERS:

- (i) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contract person indicated in the tender.

Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24X7 CPP Portal Helpdesk. The 24 x 7 Help Desk Number 0120-4001002, 0120-6277787 and 0120-4001005. The helpdesk email id is support-eproc@nic.in

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A. GENERAL

1. Scope of Bid:


- 1.1 The Purchaser as defined in the General Conditions of Contract, hereinafter "the Purchaser" wishes to receive bids through e-tendering mode for the supply of goods as described in Section-IV, Special Condition of Contract.
- 1.2 The successful bidder will be expected to complete the Scope of supply within the period stated in IFB.
- 1.3 Throughout these bidding documents, the terms "bid" and "tender" and their derivatives ("bidder/tenderer", "bid/tendered", "bidding/ tendering", etc.) are synonymous, and day means calendar day. Singular also means plural.

2. Eligible Bidder


- 2.1 Bidders shall, as part of their bid, submit a written power of attorney, authorizing the signatory of the bid to bind the bidder.
- 2.2 This Invitation for Bids is open to any bidder and to pre-qualified bidders in case of limited tender.
- 2.3 Bidders should not be associated or have been associated in the past, directly or indirectly, with a firm or any of its affiliates that have been engaged by the Purchaser to provide consulting services for the preparation of the design, specifications and other documents to be used for the procurement of the goods to be purchased under this Invitation for Bids.
- 2.4 The bid should be from actual manufacturers.
- 2.5 The bidder shall not be under a declaration of ineligibility by Purchaser for corrupt or fraudulent practices as defined in ITB.
- 2.6 While evaluating the bids, pursuant to Bid Evaluation Criteria as specified in the Global notice of LFB, bidders past performance shall also be assessed *for* ascertaining the responsiveness of the bid. In such a case the decision of Purchaser shall be final and binding on the bidder.
- 2.7 The bidder is not put on Black / Holiday list by MNGL / MoP&NG / Oil Public Sector Enterprise(s).

3. One Bid per Bidder

- 3.1 Each bidder shall submit only one bid. A bidder who submits or participates in more than one bid will cause all the proposals in which the bidder has participated

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- to be disqualified. If bid of companies which is managed & controlled by same group of individuals (common owners/ proprietor, common partner/ common directors), the participation in a particular tender by more than one such bidder will not be allowed, and bids will be disqualified.
- 3.2 Also, if this fact is known at a later stage during bid evaluation or even after finalization of contract, the award will be made null and void and appropriate action including forfeiting of security deposit in any form and putting the firms on holiday list will be taken.
- 3.3 Alternative bids are not acceptable.
4. Bidder Eligibility
- 4.1 Experience Criteria as per Invitation for Bid (IFB) (Section – I of this Bid Document)
- 4.2 Financial Criteria as per Invitation for Bid (IFB) (Section – I of this Bid Document)
5. Cost of Bidding
- 5.1 The bidder shall bear all costs associated with the preparation and submission of the bid, and PURCHASER (MNGL), will in no case, be responsible or liable for these costs, regardless of the conduct or outcome of the bidding process.
- B. BIDDING DOCUMENT**
6. Content of Bidding
- 6.1 The bidding documents are those stated below Documents and should be read in conjunction with any addenda issued in accordance with ITB Clause
- Volume I of II - IFB, ITB, GCC, ATC
 - Volume II of II – SCC, MR & TS, SOR, etc.
- 6.2 The Bidder is expected to examine all instructions, forms, terms and specifications in the bidding documents. The Invitation for Bids (IFB) together with all its attachments thereto, shall be considered to be read, understood and accepted by the bidders. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the rejection of its bid.
7. Clarification of Bidding Documents
- 7.1 A prospective Bidder requiring any clarification of the bid documents may notify the Owner and / or the Consultant as the case may be, in writing or by cable (hereinafter, the term 'cable' is deemed to include electronic mail and facsimile) at

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the address indicated in the tender. The Owner / Consultant will respond in writing to any request for clarification of the bid documents which it receives after issue of the bid documents but prior to at least one (01) working day before the pre-bid meeting date. Owner will not entertain any queries received after 1800 HRS post one (1) day of pre-bid meeting. Written copies of the Owner's/ Consultant's response (including an explanation of the query but without identifying the source of inquiry) will be hosted on CPPP's e-procurement website <https://etenders.gov.in> and MNGL website along with the corrigendum before the bid due date. All such clarifications issued shall deem to form a part and parcel of the Bid documents.


8. Amendment of Bidding Documents

- 8.1 At any time prior to the bid due date, the PURCHASER may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the bidding documents, by issuing addenda.
- 8.2 Any addendum /corrigendum/ clarifications to bidders query thus issued shall be part of the bidding documents pursuant to ITB Clause- 7.0 and shall be hosted on the on website www.mngl.in and CPPP's e-tendering website before bid due date. All the prospective bidders who have attended the Pre-Bid meeting/ submitted bid document fee, shall be informed by email/ post about the addendum/ corrigendum/ clarifications to bidder's query for their reference. Bidders desirous to submit its bid must take into consideration of all the addendum(s)/ corrigendum (s)/ clarifications to bidder's query hosted on the above websites before submitting the bid.
- 8.3 The PURCHASER may, at its discretion, extend the bid due date to allow prospective bidders, a reasonable time to furnish their most competitive bid considering the amendments issue
- 8.4 Bidders are advised to visit www.mngl.in and CPPP's e-tendering website from time to time to get updated information / documents.

C. PREPARATION OF BIDS

9. Language of Bid

- 9.1 The bid prepared by the bidder as well as all correspondence/drawings and documents relating to the bid exchanged by bidder and the PURCHASER shall be written in English language, provided that any printed literature furnished by the bidder may be written in another language so long as accompanied by an ENGLISH translation, in which case, for the purpose of interpretation of the bid, the ENGLISH translation shall govern.

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9.2 In the event of submission of any document/certificate by the Bidder in a language other than English, the English translation of the same duly authenticated by Chamber of Commerce of Bidder's country shall be submitted by the Bidder. Metric measurement system shall be applied.


10 Documents Comprising the Bids:

10.1 The bid prepared by the bidder shall comprise the following components that are required to be provided on the e-tendering portal:

10.1.1 Technical cover:

Scanned documents (duly signed by the authorized signatory) to be uploaded by the bidder on the portal as per list below:


- i) Covering Letter as per format "Submission of Tender" / "Submission of Bid" enclosed with Part- A of Vol-I of II.
- ii) Bidder's general/ details information as per format F-1.
- iii) Power of Attorney in favor of person(s) signing the bid that such person (s) is/are authorized to sign the bid on behalf of the bidder and any consequence resulting due to such signing shall be binding on the bidder.
- iv) Specific experience, annual turnover and equipment deployment details as called for in qualifying requirements.
- v) A Bid Form as per format F-2.
- vi) Copies of documents as required in list of enclosure.
- vii) Documents establishing the eligibility and conformity to the Bid Documents of all Goods and services, which the bidder proposes to supply under the award. Such document may be, literature, drawing or data and shall also include (a) the detailed description of the Good's essential technical and performance characteristics; (b) a clause-by-clause commentary on Employer's technical specification and demonstrating supplies substantial responsiveness to the specifications.
- ix) Copy of Bid security in accordance with IFB & Clause 17 of ITB to be furnished either in the form of Cashier's / Banker's cheque / Bank Draft payable to MNGL at Pune/ Bank Guarantee as per format F-4.
- x) Letter of authority in favour of any one or two of bidder's executives having authority to attend the un-priced and price bid opening on specified dates and venue as per format F-5.
- xi) Confirmation of no deviation as per Format F-6.
- xii) Present commitments strictly as per form F-9.
- xiii) Bidder's declaration that they are not under liquidation, court receivership or similar proceedings.
- xiv) Any other information/details required as per bid document.

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10.1.2 Financial cover:

Price Bid SOR as per the prescribed format on the e-tender portal.

- 10.2 All the documents submitted shall be duly signed and stamped on each page by the bidder or an authorized signatory of the bidder.
- 10.3 Bidders are advised to submit quotations based strictly on the terms and conditions and specifications contained in the bid document and not stipulate any deviations. Should it, however, become unavoidable, deviations should be stipulated only in the prescribed Pro forma. Owner reserves the right to evaluate quotations containing deviations having financial implications after adding the cost for such deviations as determined by Owner.
- 10.4 Original schedule of rates duly filled in shall not contain any condition whatsoever. Any condition given in this part shall not be considered and shall render the offer liable for rejection.
- 10.5 All signatures in bids shall be dated, as well as all pages of bids shall be initialed at lower right-hand corner by the Bidder or by a person holding power of attorney authorizing him to sign on behalf of the bidder before the submission of bids.
- 10.6 The Bidder's bid is central to the evaluation and selection process. Therefore, it is important that the Bidder carefully prepares the bid and answers all questions completely. Missing information and vague answers may delay the evaluation of a bid and may impair the Bidder's chances of success.
- 10.7 Information received by Purchaser from the Bidder will be disclosed to Purchaser's employees and/or advisers or external consultants for the purpose of evaluating the bid response.
11. Bid Form & Price Schedule
 - 11.1 The bidders shall complete the Bid Form and appropriate, Price schedule furnished in the Vol II of II of Bidding Document, indicating the required information for all the goods to be supplied, a brief description of the goods, their country of origin and quantity.
- 12.0 BID PRICES
 - 12.1 The Bidder shall e-quote Bid Prices on appropriate format of "Schedule of Rates" (SOR) as enclosed part of bid documents as it proposes to supply under the contract.

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- 12.2 Indian Bidders shall indicate the following separately (as per Price Schedule):
- A) Ex-works Price including packing and forwarding charges (such price to include all costs as well as duties and taxes paid or payable on components and raw materials incorporated or to be incorporated in the goods).
 - B) Goods & Service Tax which will be payable on the finished goods if this contract is awarded.
 - C) The bidders shall indicate breakup of the quantum of imports involved for import of necessary raw materials and components giving CIF value of Import in applicable currency considered and included in bid price. Essentiality certificate may be provided by the Purchaser for Project imports, wherever applicable.
 - D) The statutory variation in Goods & Service Tax (GST) on finished goods covered under Cl. 12.1 B within the contractual delivery period shall be to MNGL's account. However, any increase in the rate of these taxes and duties beyond the contractual completion period shall be to bidder's account and any decrease in rate shall be passed on to MNGL. Further, any statutory variation in the rate of customs duty (except GST) within contractual delivery period, on-the actual CIF value of import content, but subject to maximum of such duty payable on quoted CIF value, under Cl. 12.1 (A) shall also be to MNGL's account. In case of delay in delivery, any increase in the rate of customs duty beyond the contractual completion period shall be to bidder's account and any decrease in rate shall be passed on to MNGL.
 - E) The total amount which can be claimed / set off by MNGL for CENVAT (for Goods & Service tax) separately.
- 12.3 Inland transportation, other local costs incidental to delivery of the goods to its destination (FOT-site) shall be quoted by the Bidder.
- 12.4 The bidder's break-up of price components in accordance with above sub-clauses will be solely for the purpose of facilitating the comparison of bids and will not in any way, limit the PURCHASER's right to contract on different terms.
- 12.5 Fixed Price: Prices quoted by the bidder shall be firm and fixed during the bidder's performance of the contract and not subject to variation on any account except for variations permitted under 12.1 D for domestic bidders. A bid submitted with an adjustable price quotation will be treated as non-responsive and rejected.
- 12.6 The delivery terms shall be interpreted as per INCOTERMS 2010.
- 13 Bid Currencies
- 13.1 Bidders shall submit their bids in Indian Rupees only.

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14 Documents Establishing Bidder's Eligibility and Qualification

14.1 Bid Evaluation Criteria

14.1.1 Pursuant to evaluation Criteria specified in Invitation for Bids (IFB) the bidder shall furnish all necessary supporting documentary evidence to establish the bidder's claim of meeting Bid evaluation criteria.

14.2 Bidders Eligibility Criteria

14.2.1 The bidder shall furnish, as part of his bid, documents establishing the bidder's eligibility to bid and its qualification to perform the contract if its bid is accepted.

14.2.2 The documentary evidence of the bidder's qualifications to perform the contract if his bid is accepted, shall establish to the PURCHASER'S satisfaction:

- a) that, in the case of a Bidder offering to supply goods under the contract which the Bidder did not manufacture (or otherwise, produce, the Bidder has been duly authorized by the goods Manufacturer or producer to supply the goods in the Purchaser's country).
- b) that the Bidder has the financial, technical and production capacity necessary to perform the contract.
- c) that, in case of a Bidder not doing business within the Purchaser's country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped and able to carry out the Supplier's maintenance, repair and spare parts stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications.


14.2.3 The PURCHASER will determine to its satisfaction whether the bidder selected as having submitted the lowest evaluated, responsive bid is qualified to satisfactorily perform the contract. An affirmative determination will be pre-requisite for award of the Contract.

15 Documents Establishing Goods' Eligibility and Conformity to Bidding Documents

15.1 Pursuant to ITB Clause 10, the bidder shall furnish, as part of the bid, documents establishing the eligibility and conformity to the Bidding Documents of all goods and services which the bidder proposes to supply under the Contract.

15.2 The documentary evidence of the goods and services' conformity to the Bidding Documents may be in the form of literature, drawings or data and shall furnish:

- a) detailed description of the essential technical and performance characteristics of the goods.
- b) a clause-by-clause commentary on the PURCHASER'S Technical specifications demonstrating the goods and services' substantial responsiveness to the specifications.

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15.3 For purpose of the commentary to be furnished under Clause-15.2 above, the bidder shall note that standards for workmanship, material and equipment and reference to brand names or catalogue numbers, designated by the PURCHASER in its Technical Specifications are intended to be descriptive only and not restrictive.

16 Period of Validity of Bids

16.1 The bid shall remain valid for acceptance for four (4) months from the bid due date.

16.2 In exceptional circumstances, prior to expiry of the original bid validity period, the PURCHASER may request that the bidder extend the period of bid validity for a specified additional period. The requests and the responses thereto shall be made in writing (by fax / post e-mail). A bidder may refuse the request without forfeiture of his bid security. A bidder agreeing to the request will not be required or permitted to modify his bid but will be required to extend the validity of its bid security for the period of the extension and in accordance with ITB Clause 17.0 in all respects.

17 Bid Security

17.1 Pursuant to ITB Clause-10, the bidder shall furnish, as part of his bid, bid security in the amount specified in the Invitation for Bids.


17.2 The bid security is required to protect the PURCHASER against the risk of bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause-17.7

17.3 The bid security in US Dollars for bidders quoting in foreign currency and Indian Rupees for bidders quoting in Indian Rupees shall be in the form of Demand Draft/ Banker's Cheque/NEFT/RTGS in favor of Maharashtra Natural Gas Ltd., payable as per IFB (issued by Indian Nationalized /Scheduled bank or first-class international bank) or in the form of Bank Guarantee/ irrevocable Letter of Credit as per format enclosed in the Bidding Document.


MNGL shall not be liable to pay any bank - charges, commission, or interest on the amount of bid security. In case, bid security is in the form of Bank Guarantee or Letter of Credit, the same shall be from any Indian scheduled bank or a branch of an international bank situated in India and registered with Reserve bank of India as scheduled foreign bank.

The Bid Security shall be valid for two (02) months beyond the validity of the Bid as specified in Clause 16.0 of ITB.

17.4 Any bid not secured in accordance with ITB Clause 17.1 and 17.3 may be rejected by the PURCHASER as non-responsive.

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- 17.5 Unsuccessful bidder's bid security will be discharged/returned as promptly as possible after award of contract and signing of agreement.
- 17.6 The successful bidder's bid security will be discharged upon the bidder's accepting the order, pursuant to ITB Clause-41 and furnishing the Contract Performance Guarantee pursuant to ITB Clause-42.
- 17.7 The bid security may be forfeited:
- a) If a bidder withdraws his bid during the period of bid validity.
 - b) in the case of a successful bidder if the bidder fails:
 - i) to accept the Purchase Order in accordance with ITB Clause-41 or
 - ii) to furnish Performance Guarantee in accordance with ITB Clause-42
 - iii) to accept correction of errors pursuant to ITB Clause 32.0
 - c) If the Bidder changes the proposed manufacturer after submission of his bid.
- 17.8 Bid Security should be in favor of Maharashtra Natural Gas Ltd. and addressed to MNGL. Bid Security must indicate the Bid Document number and the item for which the bidder is quoting. This is essential to have proper co-relation later. The Bid Security in the form of Bank Guarantee or letter of Credit shall be in the form provided in the Bidding Document.
- 17.9 The Indian / Domestic firms registered with NSIC / MSME, under its single point registration scheme are exempted from furnishing Bid Security, provided they are registered for the items / work they intend to quote and subject to their enclosing with their bid a copy of latest and current registration certificate.
18. Pre-Bid meeting – As per IFB
- 18.1 The bidder(s) or his designated representative, who have purchased bid document, are invited to attend a pre-bid meeting which will take place as indicated in IFB.
- 18.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.
- 18.3 Text of the questions raised, and the responses given, together with any responses prepared after the meeting, will be transmitted without delay (without identifying the sources of the question) to all purchasers of the bidding documents. Any modification of the bidding documents listed in ITB Sub-Clause 7.1 that may become necessary because of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 8 and not through the minutes of the pre-bid meeting.

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18.4 Non-attendance of the pre-bid meeting will not be a cause for disqualification of a bidder.

19 Format and Signing of Bid

19.1 The bid shall be typed or written in indelible ink. Each page of bid offer shall be stamped and signed by the Bidder or a person or persons duly authorized by competent authority in order to bind the bidder to the contract.

19.2 Any interlineations, erasures, or corrections shall be valid only if the person or persons signing the bid initial them. Overwriting will not be treated as correction and may lead to rejection of bid. A correction shall be considered if a part of text or figures or dates needing corrections are deleted and a separate text or figure or date, as the case may be, is written separately having proper link to the place of correction.


19.3 As bidding shall be done through e-tendering, digitally signed documents to be uploaded.

20 Zero Deviation

20.1 Bidders to note that, MNGL will appreciate submission of offer based on the terms and conditions in the enclosed General Conditions of Contract, Special Conditions of Contract (SCC), Instructions to Bidders (ITB), Scope of supply, technical specifications etc, to avoid wastage of time and money in seeking clarifications on technical/ commercial aspects of the offer.

20.2 If any deviations are taken to the under-mentioned provisions of Bid Documents by the Bidder the bid is liable to be rejected:

- i) Do not meet BEC Criteria
- ii) Bid Security
- iii) Performance Security (Contract Performance Bank Guarantee), 10% of Purchase Order Value
- iv) Delivery Period
- v) Terms of Payment
- vi) Force Majeure
- vii) Resolution of Dispute/Arbitration
- viii) Termination of Contract,
- ix) Warranty and Guarantee
- x) Offer not submitted for complete scope of work
- xi) Firm prices
- xii) Prices not quoted as per Schedule of Rates formats.
- xiii) Bidder have been put on Black / Holiday list by MNGL / MoP&NG / Oil Public Sector Enterprise(s).
- xiv) Bidders is under liquidation.
- xv) Bids not conforming to technical specification/requirements.

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- xvi) Any other such provisions if specifically stipulated elsewhere in the Bid Document.
- xvii) Price Reduction Schedule

However, MNGL reserves the right to request the bidder to withdraw the deviations against the above-mentioned provisions of Bid Documents.

- 21 Mode of Payment
 - 21.1 Maharashtra Natural Gas Ltd. will issue A/C payee cheque for payment payable at par in case work is awarded to bidder.
- 22 Agent/ consultant/ Representative/ Retainer/ Associate [Applicable for ICB tenders only].
 - 22.1 MNGL would prefer to deal directly with the manufacturers/ principals abroad but in case they decide to have their Agent/Consultant/Representative/Retainer/ Associate in India and pay commission for their services against a particular tender, it should be bare minimum, and the principal would have to certify that such a commission is commensurate with the services rendered to them by such an Agent/ Consultant /Representative/ Retainer/ Associate in India. The principal will also have to broadly list out services to be rendered by the Agent/ Consultant/ Representative Retainer/ Associate in India.
 - 22.2 In the event bidder has as Agent/ Consultant/ Representative/ Retainer/ Associate/ servicing facilities in India (who is not an employee of the bidder) the bidder should indicate in their offer the name of such an Agent/ Consultant/ Representative/Retainer / Associate, they have for services in India. The bidder must also clearly indicate the commission payable to the Agent/Consultant/ Representative Retainer/Associate in rupees in terms of Agreement (enclosing copy of the same). The bidder, in his bid will indicate the nature and extent of service to be provided by such an Agent/Consultant Representative/Retainer/ Associate on behalf of the bidder and remuneration therefore provided in the price, as a separate item, quoted by the bidder to MNGL. Such remuneration/commission will be paid by MNGL in non-convertible Indian currency in India. Should it be established at any subsequent point of time that the above statement of the bidder is not correct or that any other amount of remuneration commission either in India or abroad is being paid to anyone (who is not an employee of the bidder), the bidder would be liable to be debarred from participating in the future tenders of MNGL.

The following particulars will also be furnished by the bidder:

- (i) The precise relationship between the foreign manufacturer/principal and their Agent/Consultant Representative / Retainer/ Associate in India.

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- (ii) The mutual interest which the manufacturer/principal and the Agent/ Consultant/ Representative Retainer/Associate in India have in the business of each other.
- (iii) Any payment which the Agent/ Consultant/ Representative/ Retainer/ Associate receives in India or abroad from the manufacturer/principal whether as a commission for the contract or as a general fee.
- (iv) All services to be rendered by the Agent Consultant Representative / Retainer/Associate.

22.3 Overseas bidder should send their bids directly and not through Agent/ Consultant/ Representative / Retainer /Associate Agent Consultant Representative Retainer/ Associate of the overseas manufacturers/suppliers are, however, permitted to purchase bidding documents and attend bid opening provided such as Agent/ Consultant / Representative/ Retainer/ Associate has a power of attorney/ letter of authority setting out very clearly his role, which will be limited to such areas of activity as purchase of bidding documents, attending of bid opening and claiming of payment for their services, provided further that such a power of attorney/letter of authority is submitted to MNGL in advance for scrutiny and acceptance or otherwise.

D. SUBMISSION OF BIDS

23.0 PREPARATION OF BIDS

23.1 Scanned documents (duly signed by the authorized signatory) and/or pre-formatted excel files to be uploaded by the bidder on the portal which shall comprise of the documents mentioned in Clause No. 10 of ITB.


Note: All pages of the bid offer to be signed and stamped by an authorized representative (as described in bid document) of the bidder.

Bidder must ensure numbering of all pages submitted in bid document. Further total number of pages submitted in bid document must be mentioned in the covering letter of bid submitted.

23.2 The price bid shall contain Schedule of Rates dully filled in the prescribed format available on the e-portal.

24.0 DEADLINE FOR SUBMISSION OF BID

24.1 The bid must be submitted on the specified e-tendering portal as specified in IFB, not later than the time and date as specified in IFB. The online e-tendering portal will not allow any bid or part thereof whatsoever to be submitted after the due time on the due date.

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24.2 The Purchaser may, in exceptional circumstances and at its discretion, on giving reasonable notice by email or any written communication to all prospective bidders who have been issued the bid document to extend the deadline for the submission of bids in which case all rights and obligations of the Purchaser and bidders, previously subject to the original deadline will thereafter be subject to deadline as extended.

25.0 LATE BIDS

Any Bid Security / EMD received by the Purchaser after the deadline for submission of bid may render the bid to be declared "Late" and such bid is liable for rejection; such EMD may be returned unopened to the bidder at the sole discretion of the Purchaser.

26.0 MODIFICATION AND WITHDRAWAL OF BIDS

26.1 The bidder may modify or withdraw its bid after the bid submission, but, before the due date of submission as per provisions provided on the e-tendering portal. After the bid due date & time however, no modifications whatsoever are allowed in the bid.

26.2 No bid shall be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid form. In case of request in written by the authorized signatory for withdrawal of a bid during this interval, the Bidder's bid security shall be forfeited.

26.3 Upon selecting "withdraw" option on the e-tender portal and providing the reason for withdrawal, the portal will not allow the bidder to re-submit his bid. MNGL shall not be responsible if the bidder is not able to re-submit his bid after withdrawal.


E. OPENING AND EVALUATION OF BIDS

27. Bid Opening

27.1 The Purchaser will open all bids on the e-tendering portal in the presence of bidder(s) representatives who choose to attend, at the time, on the date and place (as specified in IFB). The bidder(s) representatives, who are present, shall sign an attendance sheet evidencing their attendance, if so, required by the Purchaser.

27.2 The Bidder's names and the presence or absence of requisite Bid Security (EMD) and such other details as the Purchaser, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for bids without EMD.

27.3 Bids that are not opened and read out at bid opening shall not be considered further for evaluation, irrespective of the circumstances. Bidder's specific attention is drawn to this stipulation to enable the representative of the Bidder at the bid

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opening time to bring out to the attention for the Purchaser any documents pertaining to its bid is not being acknowledged and relevant portions read out.

27.4 The Purchaser will prepare a bid opening statement to be signed by all representatives present during bid opening.

28 Process to be Confidential

28.1 Information relating to the examination, clarifications, evaluation and comparison of bids and recommendations for the order, shall not be disclosed to bidders or any other person officially concerned with such process.

29 Contacting the Purchaser

29.1 From the time of the bid opening to the time of the release of order, if any bidder wishes to contact the Purchaser for any matter relating to the bid, it should do so in writing.

29.2 Any effort by a bidder to influence the Purchaser in any manner in respect of bid evaluation or award will result in the rejection of that bid.

30 Preliminary Examination of Bids


30.1 Technical-Commercial Bid Evaluation

30.1.1 The PURCHASER will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required securities have been furnished, whether the documents have been properly signed and whether the bids are generally in order.

30.1.2 Prior to the detailed evaluation, the PURCHASER will determine whether each bid is of acceptable quality, is generally complete and is responsive to the Bidding Documents. For purposes of this determination a responsive bid is one which conforms to all the terms, conditions and specification of the bidding document, without deviations, objections, conditionally or reservations.

30.1.3 No deviation whatsoever, is permitted in the Bidding Documents and the Priced bids of those bidders whose Un-Priced bids contain any exception to the conditions and stipulations of the Bidding Documents shall not be opened and returned un-opened to such bidder(s).

30.1.4 The Purchaser's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence. If a bid is non-responsive, it will be rejected by the Purchaser and may not subsequently be made responsive by the bidder by correction of the nonconformity.

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30.1.5 The Purchaser will carry out a detailed evaluation of the bids previously determined to be responsive to determine whether the technical aspects are in accordance with the requirements set forth in the Bidding Documents. To reach such a determination, the Purchaser will examine and compare the technical aspects of the bids based on the information supplied by the bidders, taking into account the following factors:

- (a) Overall completeness and compliance with the Technical Specifications; quality function and operation of the process control concept included in the bid. The bid that does not meet minimum acceptable standard of completeness, consistency and detail will be rejected as non-responsive.
- (b) Any other relevant factor, if any that the Purchaser deems necessary or prudent to be taken into consideration.

30.2 Requisite forms contain all necessary information including those, required for meeting qualifying criteria stipulated in the Bidding Document.

31.0 **OPENING OF PRICE BID**

31.1 In case of two-part bidding, the Bidders whose bids are found substantially responsive shall be invited to attend the opening of price bid. Such bidders may be required to attend the price bid opening at a short notice. The place, date and time of price bid opening will be informed to all such Bidders. The Bidder's representatives who are present shall sign a register evidencing their attendance.

31.2 The bid prices stated in the price schedules will be announced during price bid opening.

32 **Arithmetic Corrections**


32.1 The bids will be checked for any arithmetical errors as follows:

32.1.1 In case of any discrepancy between prices in words and prices in figures, the prices in words shall be valid and binding. In case of any error in total indicated by the Bidder, the unit price alone shall be considered valid and binding on the Bidder.

32.1.2 If the bidder does not accept the correction of errors, his bid will be rejected, and the bid security will be forfeited.

33 **Conversion to Single Currency [Applicable in ICB tenders only]**

33.1 To facilitate evaluation and comparison, the PURCHASER will convert all bid prices expressed in the amounts in various currencies in which bid price is payable, to Indian Rupees at the Bills selling exchange rate declared by the State Bank of India on the working day prior to Priced bid (Part-II) opening.

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34 Evaluation and Comparison of Bids

34.1 The PURCHASER will evaluate and compare the bids previously determined to be substantially responsive, pursuant to ITB Clause - 30.

34.2 Bid Evaluation and Comparison Criteria:

The evaluation of all the responsive bids for supplies to be arrived at the lowest evaluated offer as under:

(A) Domestic Bidders:

The evaluated price of domestic bidders shall include the following:

- i) The prices quoted by Domestic Bidder for the scope of work defined in the tender documents will include customs duty plus Goods & Service Tax and any additional duty, if any, Goods & Service Tax as applicable which shall be indicated separately
- ii) Price quoted by the domestic bidders shall include all costs towards Insurance, all type of handling, transportation, etc. as applicable and payable by the CONTRACTOR under the contract
- iii) Goods & Service Tax on the finished goods.

34.3 OWNER'S price evaluation and price comparison of technical-commercially acceptable bids shall take following in account:

- i) Total value on FOT site basis, including liability towards customs duty, GST, all other taxes & duties, levies, transportation, all insurance, and all other costs as applicable up to Final Acceptance of work complete in all respects covered under Para A above.
- ii) Cost of mandatory spares, if any.
- iii) The total site price quoted shall be compared.


34.4 Bids not conforming to Bid Qualification criteria and technical & commercial requirements shall be rejected.

35 Domestic Preference

35.1 VOID

35.2 PROCUREMENTS FROM A BIDDER WHICH SHARES A LAND BORDER WITH INDIA:

- I. Order (Public Procurement No. 1) dated 23.07.2020, Order (Public Procurement No. 2) dated 23.07.2020 and Order (Public Procurement No. 3) dated 24.07.2020, Department of Expenditure, Ministry of Finance, Govt. of India refers. The same are available at website <https://doe.gov.in/procurement-policy-divisions>.
- II. Any bidder from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with the


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Competent Authority. For details of competent authority refer to Annexure I of Order (Public Procurement No. 1) dated 23.07.2020. Further the above will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects. Updated lists of countries to which lines of credit have been extended or in which development projects are undertaken are given in the website of the Ministry of External Affairs, Govt. of India

- III. "Bidder" (including the term 'tenderer', 'consultant' 'vendor' or 'service provider' in certain contexts) for purpose of this provision means any person or firm or company, including any member of a consortium or joint venture (that is an association of several persons, or firms or companies), every artificial juridical person not falling in any of the descriptions of bidders stated hereinbefore, including any agency, branch or office controlled by such person, participating in a procurement process.


- IV. "Bidder from a country which shares a land border with India" for the purpose of this:
 - a. An entity incorporated, established or registered in such a country; or
 - b. A subsidiary of an entity incorporated, established or registered in such a country; or
 - c. An entity substantially controlled through entities incorporated, established or registered in such a country; or
 - d. An entity whose beneficial owner is situated in such a country; or
 - e. An Indian (or other) agent of such an entity; or
 - f. A natural person who is a citizen of such a country; or
 - g. A consortium or joint venture where any member of the consortium or joint venture falls under any of the above

- V. "Beneficial owner" for the purpose of above (IV) will be as under:
 - i. In case of a company or Limited Liability Partnership, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person(s), has a controlling ownership interest or who exercises control through other means.

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Explanation:

1. "Controlling ownership interest" means ownership of, or entitlement to, more than twenty-five per cent of shares or capital or profits of the company.
2. "Control" shall include the right to appoint the majority of the directors or to control the management or policy decisions, including by virtue of their shareholding or management rights or shareholder's agreements or voting agreements.
 - ii. In case of a partnership firm, the beneficial owner is the natural person(s) who, whether acting alone or together, or through one or more juridical person, has ownership of entitlement to more than fifteen percent of capital or profits of the partnership.
 - iii. In case of an unincorporated association or body of individuals, the beneficial owner is the natural person(s), who, whether acting alone or together, or through one or more juridical person, has ownership of or entitlement to more than fifteen percent of the property or capital or profits of such association or body of individuals.
 - iv. Where no natural person is identified under (i) or (ii) or (iii) above, the beneficial owner is the relevant natural person who holds the position of senior managing official.
 - v. In case of a trust, the identification of beneficial owner(s) shall include identification of the author of the trust, the trustee, the beneficiaries with fifteen percent or more interest in the trust and any other natural person exercising ultimate effective control over the trust through a chain of control or ownership.
- VI. "Agent" for the purpose of this Order is a person employed to do any act for another, or to represent another in dealings with third persons
- VII. The Successful bidder shall not be allowed to subcontract works to any contractor from a country which shares a land border with India unless such contractor is registered with the Competent Authority.

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VIII. SUBMISSION OF CERTIFICATE IN BIDS: Bidder shall submit a certificate in this regard as Format F-18. If such certificate given by a bidder whose bid is accepted is found to be false, this would be a ground for immediate rejection of the bid/termination and further action as per "Procedure for Action in case of Corrupt/Fraudulent/ Collusive / Coercive Practices" of tender document.

IX. The registration, wherever applicable, should be valid at the time of submission of bids and at the time of acceptance of bids. In respect of supply otherwise than by tender, registration should be valid at the time of placement of order. If the bidder was validly registered at the time of acceptance / placement of order, registration shall not be a relevant consideration during contract execution.

F. AWARD OF CONTRACT

36 Post Qualification

36.1 In the absence of prequalification, the PURCHASER will determine to its satisfaction whether the bidder selected as having submitted the lowest evaluated, responsive bid is qualified to satisfactorily perform the contract.

36.2 The determination will take into account the bidder's financial, technical and production capabilities. It will be based upon an examination of the documentary evidence of the bidder's qualifications submitted by the Bidder, pursuant to ITB Clause-10, as well as such other information as the PURCHASER deems necessary and appropriate.


36.3 An affirmative determination will be a prerequisite for award of the contract to the bidder. A negative determination will result in rejection of the bidder's bid.

37 Award Criteria


37.1 Subject to ITB Clause 30, the Purchaser will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

38 PURCHASER's Right to Vary Quantities at Time of Award

38.1 PURCHASER reserves the right at the time of award of ORDER to increase or decrease by upto 20% the quantity of GOODS specified in the Material Requisition, without any change in unit price or other terms and conditions. Variation beyond this limit will be subject to mutual agreement between the PURCHASER and the Seller.

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- 39 PURCHASER's Right to Accept Any Bid and to Reject Any or All Bids
- 39.1 PURCHASER reserves the right to accept or reject any bid and to annul the bidding process and reject all bids, at any time prior to award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligations to inform the affected bidder or bidders of the ground for the PURCHASER'S ACTION.
- 40 Notification of Award/ Fax of Intent / Purchase Order
- 40.1 Prior to the expiration of period of bid validity, the PURCHASER will notify the successful bidder in writing, by fax or email to be confirmed in writing that his bid has been accepted. The notification of award/ Fax of Intent / Purchase Order will constitute the formation of the Contract.
- 40.2 Delivery shall be counted from the date of Purchase Order.
- 40.3 Upon the successful bidder's furnishing of contract performance bank guarantee. Pursuant to ITB Clause-42, the PURCHASER will promptly notify each unsuccessful bidder and will discharge his bid security pursuant of ITB Clause 17.
- 41 Acceptance of Purchase Order
- 41.1 PURCHASER will issue the Purchase Order to the successful bidder, who, within 07 days of receipt of the same, shall sign all pages and return the acceptance copy to the PURCHASER.
- 42 Performance Guarantee
- 42.1 Unless mentioned in notification of award /Fax of Intent / Purchase Order within 15 days of the receipt of the Delivery Order from the PURCHASER, the successful bidder shall furnish the performance guarantee in accordance with Clause 12 of General Conditions of Contract in the form provided in the bidding documents. The Bank Guarantee/Letter of Credit towards performance guarantee shall be in the currency of the Contract.
- 42.2 The performance guarantee shall be for an amount equal to 10% of Purchase Order Value towards faithful performance of the contractual obligations and performance of equipment. This Bank Guarantee/Letter of Credit shall be from any Indian scheduled bank or a branch of an international bank situated in India and registered with Reserve bank of India as scheduled foreign bank. This bank guarantee/letter of Credit shall be valid for a period as-stated in Clause-12 of General Conditions of Contract

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42.3 Failure of the successful bidder to comply with the requirements of this clause shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security.


43 Income Tax Liability

43.1 The bidder will have to bear all income tax liability, both Corporate as well as for his personnel.

44 Corrupt or Fraudulent Practices:

44.1 MNGL requires that bidders / contractors observe the highest standard of ethics during the execution of contracts. In pursuance of this policy, the Employer:

- a) defines, for the purposes of this provision, the terms set forth below as follows:
 - i) "corrupt practice" means the offering, giving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
 - ii) "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Employer and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.
- b) will reject a proposal for award if it determines that the bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.
- c) will declare a firm ineligible and put on holiday, either indefinitely or for a stated period of time if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing a contract.

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UNDERTAKING ON LETTERHEAD

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

Sub.:

Tender No.:

Dear Sir / Ma'am,

We have read the clause regarding Provisions for Procurement from a Bidder which shares a land border with India, we certify that, bidder M/s _____ (Name of Bidder) is:


(i) Not from such a country []

(ii) If from such a country, has been registered []
With the Competent Authority.
(Evidence of valid registration by the
Competent Authority shall be attached)

(Bidder to tick appropriate option above)

We hereby certify that bidder M/s _____ (***Name of bidder***) fulfils all requirements in this regard and is eligible to be considered against the tender.

Place: {Signature of Authorised Signatory of Bidder}
Date: Name:
Seal: Designation:


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SECTION – III GENERAL CONDITIONS OF CONTRACT (GCC - GOODS)

1 Definitions


In this document, General Conditions of Contract (GCC-Supply), the following terms shall have the following respective meanings:

- 1.1 The "APPOINTING AUTHORITY" for the purpose of arbitration shall be the MANAGING DIRECTOR or any other person so designated by the EMPLOYER.
- 1.2 "APPROVED" shall mean approved in writing including subsequent written confirmation of previous verbal approval and "APPROVAL" means approval in writing including as aforesaid
- 1.3 BIDDER: Designates the individual or legal entity which has made a proposal, a tender or a bid with the aim of concluding a Contract with the PURCHASER.
- 1.4 CONTRACT shall mean Purchase Order/Contract and all attached exhibits and documents referred to therein and all terms and conditions thereof together with any subsequent modifications thereto.
- 1.5 CONTRACT PRICE shall mean the price payable to the Seller under the Contract for the full and proper performance of his contractual obligations.
- 1.6 COMPLETION DATE shall mean the date on which the goods are successfully commissioned by the Seller and handed over to the PURCHASER.
- 1.7 COMMERCIAL OPERATION shall mean the condition of the operation in which the complete equipment covered under the Contract is officially declared by the PURCHASER to be available for continuous operation at different loads upto and including rated capacity.
- 1.8 The "CONTRACTOR" means the person or the persons, firm or Company or corporation whose tender has been accepted by the EMPLOYER and includes the CONTRACTOR's legal Representatives his successors and permitted assigns.
- 1.9 "CONSTRUCTION EQUIPMENT" means all appliances/equipment and things whatsoever nature for the use in or for the execution, completion, operation, or maintenance of the work or temporary works (as hereinafter defined) but does not include materials or other things intended to form or to be incorporated into the WORK or camping facilities.
- 1.10 "CONTRACT DOCUMENTS" means collectively the Tender Documents, Designs, Drawings, Specification, Schedule of Quantities and Rates, Letter of Acceptance

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and agreed variations if any, and such other documents constituting the tender and acceptance thereof.

- 1.11 The "CHANGE ORDER" means an order given in writing by the ENGINEER-IN-CHARGE to effect additions to or deletion from and alteration in the works.
- 1.12 The "COMPLETION CERTIFICATE" shall mean the certificate to be issued by the ENGINEER-IN-CHARGE when the works have been completed entirely in accordance with CONTRACT DOCUMENT to his satisfaction.
- 1.13 COMMISSIONING" shall mean pressing into service of the system including the plant(s), equipment(s), vessel(s), pipeline, machinery(ies), or any other section or sub-section of installation(s) pertaining to the work of the CONTRACTOR after successful testing and trial runs of the same.
- 1.14 "COMMISSIONING" can be either for a completed system or a part of system of a combination of systems or sub-systems and can be performed in any sequence as desired by EMPLOYER and in a manner established to be made suited according to availability of pre-requisites. Any such readjustments made by EMPLOYER in performance of "COMMISSIONING" activity will not be construed to be violating CONTRACT provisions and CONTRACTOR shall be deemed to have provided for the same.
- 1.15 "DAY" means a day of 24 hours from midnight to midnight irrespective of the number of hours worked in that day
- 1.16 DELIVERY terms shall be interpreted as per INCOTERMS 2010 in case of Contract with a foreign Bidder and as the date of FOT Site in the case of a contract with an Indian Bidder.
- 1.17 DRAWINGS shall mean and include Engineering drawings, sketches showing plans, sections and elevations in relation to the Contract together with modifications and/or revisions there.
- 1.18 ENGINEER or Engineer-in-Charge of the Project SITE shall mean the person designated from time to time by PURCHASER at SITE and shall include those who are expressly authorized by him to act for and on his behalf for operation of this CONTRACT.
- 1.19 FINAL ACCEPTANCE shall mean the PURCHASER's written acceptance of the Works performed under the Contract after successful completion of performance and guarantee test.
- 1.20 The "FINAL CERTIFICATE" in relation to a work means the certificate regarding the satisfactory compliance of various provision of the CONTRACT by the

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CONTRACTOR issued by the ENGINEER-IN- CHARGE/EMPLOYER after the period of liability is over.

- 1.21 GOODS shall mean articles, materials, equipment, design and drawings, data and other property to be supplied by Seller to complete the contract.
- 1.22 INSPECTOR shall mean any person or outside Agency nominated by PURCHASER/CONSULTANT through CONSULTANT to inspect equipment, stagewise as well as final, before dispatch, at SELLER's works and on receipt at SITE as per terms of the CONTRACT.
- 1.23 INITIAL OPERATION shall mean the first integral operation of the complete equipment covered under the Contract with subsystems and supporting equipment in service or available for service.
- 1.24 "MOBILIZATION" shall mean establishment of sufficiently adequate infrastructure by the CONTRACTOR at "SITE" comprising of construction equipments, aids, tools tackles including setting of site offices with facilities such as power, water, communication etc. establishing manpower organization comprising of Resident Engineers, Supervising personnel and an adequate strength of skilled, semi-skilled and un-skilled workers, who with the so established infrastructure shall be in a position to commence execution of work at site(s), in accordance with the agreed Time Schedule of Completion of Work. "MOBILISATION" shall be considered to have been achieved, if the CONTRACTOR is able to establish infrastructure as per Time Schedule, where so warranted in accordance with agreed schedule of work implementation to the satisfaction of ENGINEER-IN-CHARGE/ EMPLOYER
- 1.25 "NOTICE IN WRITING OR WRITTEN NOTICE" shall mean a notice in written, typed or printed characters sent (unless delivered personally or otherwise proved to have been received by the addressee) by registered post to the latest known private or business address or registered office of the addressee and shall be deemed to have been received in the ordinary course of post it would have been delivered.
- 1.26 PURCHASER/EMPLOYER/OWNER/COMPANY/MNGL shall mean MAHARSHRATRA NATURAL GAS LIMITED (MNGL) having its registered office at Pune (Maharashtra) PURCHASER includes successors, assigns of MNGL.
- 1.27 "PLANS" shall mean all maps, sketches and layouts as are incorporated in the CONTRACT in order to define broadly the scope and specifications of the work or works, and all reproductions thereof.
- 1.28 PERFORMANCE AND GUARANTEE TESTS shall mean all operational checks and tests required to determine and demonstrate capacity, efficiency and operating characteristics as specified in the Contract documents.

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- 1.29 PROJECT designates the aggregate of the Goods and/or Services to be provided by one or more Contractors.

Quantities – Bills of quantities


Bills of quantities

Designate the quantity calculations to be taken into account when these calculations are made from detailed or construction drawings, or from work actually performed, and presented according to a jointly agreed breakdown of the Goods and/or Services.


- 1.30 SELLER/SUPPLIER/CONTRACTOR shall mean the person, firm or company with whom PURCHASE ORDER/AWARD OF WORK/CONTRACT is placed/entered into by PURCHASER for supply of equipment, materials and services. The term Seller includes its successors and assigns.
- 1.31 SERVICE shall mean erection, installation, testing, commissioning, provision of technical assistance, training and other such obligations of the Seller covered under the Contract.
- 1.32 SITE designates the land and/or any other premises on, under, in or across which the Goods and/or Services have to be supplied, erected, assembled, adjusted, arranged and/or commissioned.
- 1.33 SPECIFICATIONS shall mean and include schedules, details, description, statement of technical data, performance characteristics, standards (Indian as well as International) as applicable and specified in the Contract.
- 1.34 SUB-CONTRACT shall mean order placed by the Seller, for any portion of the contracted work, after necessary consent and approval of PURCHASER.
- 1.35 SUB-CONTRACTOR shall mean the person named in the CONTRACT for any part of the work or any person to whom any part of the CONTRACT has been sub-let by the SELLER with the consent in writing of the CONSULTANT/PURCHASER and will include the legal representatives, successors, and permitted assigns of such person.
- 1.36 START-UP shall mean the time period required to bring the equipments covered under the Contract from an inactive condition, when construction is essentially complete to the state of readiness for trial operation. The start-up period shall include preliminary inspection and check out of equipment and supporting subsystems, initial operation of the complete equipments covered under the Contract to obtain necessary pre-trial operation data, perform calibration and corrective action, shutdown inspection and adjustment prior to the trial operation period.

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- 1.37 TESTS shall mean such process or processes to be carried out by the Seller as are prescribed in the Contract or considered necessary by PURCHASER or his representative in order to ascertain quality, workmanship, performance and efficiency of equipment or part thereof.
- 1.38 TESTS ON COMPLETION shall mean such tests as prescribed in the Contract to be performed by the Seller before the Works are taken over by the PURCHASER.
- 1.39 "TEMPORARY WORKS" shall mean all temporary works of every kind required in or about the execution, completion or maintenance of works.
- 1.40 "VALUE OF CONTRACT" or "TOTAL CONTRACT PRICE" shall mean the sum accepted or the sum calculated in accordance with the prices accepted in tender and/or the CONTRACT rates as payable to the CONTRACTOR for the entire execution and full completion of the work, including change order.
- 1.41 "WORKING DAY" means any day which is not declared to be holiday or rest day by the EMPLOYER.
- 1.42 "WEEK" means a period of any consecutive seven days.
- 1.43 "METRIC SYSTEM" - All technical documents regarding the construction of works are given in the metric system and all work in the project should be carried out according to the metric system. All documents concerning the work shall also be maintained in the metric system.
- 2 Seller to Inform**
- 2.1 The Seller shall be deemed to have carefully examined all contract documents to his entire satisfaction. Any lack of information shall not in any way relieve the Seller of his responsibility to fulfill his obligation under the Contract.
- 3 Application**
- 3.1 These General Conditions of Contract (GCC-Supply) shall apply to the extent that they are not superseded by provisions of other parts of the Contract.
- 4 Country of Origin**
- 4.1 For purposes of this Clause "origin" means the place where the Goods were mined, grown or produced, or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 5 Scope of Contract**
- 5.1 Scope of the CONTRACT shall be as defined in the PURCHASE ORDER/CONTRACT specifications, drawings and Annexure thereto.

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- 5.2 Completeness of the EQUIPMENT shall be the responsibility of the SELLER. Any equipment, fittings and accessories which may not be specifically mentioned in the specifications or drawings, but which are usual or necessary for the satisfactory functioning of the equipment (successful operation and functioning of the EQUIPMENT being SELLER's responsibility) shall be provided by SELLER without any extra cost.
- 5.3 The SELLER shall follow the best modern practices in the manufacture of high-grade EQUIPMENT notwithstanding any omission in the specifications. The true intent and meaning of these documents is that SELLER shall in all respects, design, engineer, manufacture and supply the equipment in a thorough workmanlike manner and supply the same in prescribed time to the entire satisfaction of PURCHASER.
- 5.4 The SELLER shall furnish six (6) copies in English language of technical documents, final drawings, preservation instructions, operation and maintenance manuals, test certificates, spare parts catalogues for all equipments to the PURCHASER.
- 5.5 The documents once submitted by the SELLER shall be firm and final and not subject to subsequent changes. The SELLER shall be responsible for any loss to the PURCHASER/CONSULTANT consequent to furnishing of incorrect data/drawings.
- 5.6 All dimensions and weight should be in metric system.
- 5.7 All equipment to be supplied and work to be carried out under the CONTRACT shall conform to and comply with the provisions of relevant regulations / Acts (State Government or Central Government) as may be applicable to the type of equipment/work carried out and necessary certificates shall be furnished.
- 5.8 The Seller shall provide cross sectional drawings, wherever applicable, to identify the spare part numbers and their location. The size of bearings, their make and number shall be furnished.
- 5.9 Specifications, design and drawings issued to the SELLER alongwith RFQ and CONTRACT are not sold or given but loaned. These remain property of PURCHASER or its assigns and are subject to recall by PURCHASER. The SELLER and his employees shall not make use of the drawings, specifications and technical information for any purpose at any time except for manufacture against the CONTRACT and shall not disclose the same to any person, firm or corporate body, without written permission of PURCHASER. All such details shall be kept confidential.
- 5.10 SELLER shall pack, protect, mark and arrange for despatch of EQUIPMENT as per instructions given in the CONTRACT.

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6 Standards

- 6.1 The GOODS supplied under the CONTRACT shall conform to the standards mentioned in the Technical Specifications, or such other standards which ensure equal or higher quality, and when no applicable standard is mentioned, to the authoritative standard appropriate to the GOODS' country of origin and such standards shall be the latest issued by the concerned institution.

7 Instructions, Directions & Correspondence


- 7.1 The materials described in the CONTRACT are to be supplied according to the standards, data sheets, tables, specifications and drawings attached thereto and/or enclosed with the CONTRACT, itself and according to all conditions, both general and specific enclosed with the contract, unless any or all of them have been modified or cancelled in writing as a whole or in part.
- All instructions and orders to SELLER shall, excepting what is herein provided, be given by PURCHASER.
 - All the work shall be carried out under the direction of and to the satisfaction of PURCHASER.
 - All communications, including technical/commercial clarifications and/or comments, shall be addressed to PURCHASER and shall always bear reference to the CONTRACT.
 - Invoices for payment against CONTRACT shall be addressed to PURCHASER.
 - The CONTRACT number shall be shown on all invoices, communications, packing lists, containers and bills of lading, etc.

8 Contract Obligations

- 8.1 If after award of the contract, the Seller does not acknowledge the receipt of award or fails to furnish the performance guarantee within the prescribed time limit, the PURCHASER reserves the right to cancel the contract and apply all remedies available to him under the terms and conditions of this contract.
- 8.2 Once a contract is confirmed and signed, the terms and conditions contained therein shall take precedence over the Seller's bid and all previous correspondence.

9 Modification in Contract

- 9.1 All modifications leading to changes in the CONTRACT with respect to technical and/or commercial aspects including terms of delivery, shall be considered valid only when accepted in writing by PURCHASER by issuing amendment to the CONTRACT. Issuance of acceptance or otherwise in such cases shall not be any ground for extension of agreed delivery date and also shall not affect the performance of contract in any manner except to the extent mutually agreed through a modification of contract.
- 9.2 PURCHASER shall not be bound by any printed conditions or provisions in the SELLER's Bid Forms or acknowledgment of CONTRACT, invoices, packing list and

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other documents which purport to impose any conditions at variance with or supplemental to CONTRACT.

10 Use of Contract Documents & Information

10.1 The SELLER shall not, without the PURCHASER's prior written consent, disclose the CONTRACT or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the PURCHASER in connection therewith, to any person other than a person employed by the SELLER in the performance of the CONTRACT. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purpose of such performance.

10.2 The SELLER shall not, without the PURCHASER's prior written consent, make use of any document or information enumerated in Article 10.1 except for purpose of performing the CONTRACT.

11 Patent Rights, Liability & Compliance of Regulations

11.1 SELLER hereby warrants that the use or sale of the materials delivered hereunder will not infringe claims of any patent covering such material and SELLER agrees to be responsible for and to defend at his sole expense all suits and proceedings against PURCHASER based on any such alleged patent infringement and to pay all costs, expenses and damages which PURCHASER may have to pay or incur by reason of any such suit or proceedings.

11.2 The SELLER shall indemnify the PURCHASER against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the GOODS or any part thereof in the PURCHASER's country.


11.3 SELLER shall also protect and fully indemnify the PURCHASER from any claims from SELLER'S workmen/employees or their heirs, dependants, representatives, etc. or from any other person/persons or bodies/companies etc. for any acts of commissions or omission while executing the CONTRACT.

11.4 SELLER shall be responsible for compliance with all requirements under the laws and shall protect and indemnify completely the PURCHASER from any claims/penalties arising out of any infringements.

12 Performance Guarantee

12.1 Within 15 days after the SELLER's receipt of Purchase Order, the SELLER shall furnish Performance Guarantee in the form of Bank Guarantee/Demand Draft / irrevocable Letter of Credit to the PURCHASER, in the form provided in the Bidding Documents, for an amount equivalent to 10% of Purchase Order Value.

12.2 The proceeds of Performance Guarantee shall be appropriated by the PURCHASER as compensation for any loss resulting from the SELLER's failure to complete his obligations under the CONTRACT without prejudice to any of the

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rights or remedies the PURCHASER may be entitled to as per terms and conditions of CONTRACT. The proceeds of this Performance Guarantee shall also govern the successful performance of Goods and Services during the entire period of Contractual Warrantee/Guarantee.

12.3 The performance guarantee shall be denominated in the currency of the CONTRACT.

12.4 The Performance Guarantee shall be valid for the duration of 90 days beyond the expiry of Warrantee/Guarantee period. The Bank Guarantee will be discharged by PURCHASER not later than 6 months from the date of expiration of the Seller's entire obligations, including any warrantee obligations, under the CONTRACT.

13 Inspection, Testing & Expediting

13.1 The PURCHASER or its representative shall have the right to inspect and/or to test the GOODS to confirm their conformity to the CONTRACT specifications. The special conditions of CONTRACT and/or the Technical Specifications shall specify what inspections and tests the PURCHASER requires and where they are to be conducted. The PURCHASER shall notify the SELLER in writing the identity of any representative(s) retained for these purposes.


13.2 The inspections and tests may be conducted on the premises of the SELLER or his sub-contractor(s), at point of DELIVERY and/or at the GOODS' final destination. When conducted on the premises of the SELLER or his sub-contractor (s), all reasonable facilities and assistance including access to the drawings and production data shall be furnished to the inspectors at no charge to the PURCHASER.

13.3 Should any inspected or tested GOODS fail to conform to the specifications, the PURCHASER may reject them and the SELLER shall either replace the rejected GOODS or make all alterations necessary to meet Specifications' requirements, free of cost to the PURCHASER.

13.4 The PURCHASER's right to inspect, test and where necessary reject the GOODS after the GOODS' arrival in the PURCHASER's country shall in no way be limited or waived by reason of the GOODS having previously been inspected, tested and passed by the PURCHASER, or their representative prior to the GOODS shipment from the country of origin.

13.5 The INSPECTOR shall follow the progress of the manufacture of the GOODS under the CONTRACT to ensure that the requirements outlined in the CONTRACT are not being deviated with respect to schedule and quality.

13.6 SELLER shall allow the INSPECTOR to visit, during working hours, the workshops relevant for execution of the CONTRACT during the entire period of CONTRACT validity.

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- 13.7 In order to enable PURCHASER's representatives to obtain entry visas in time, SELLER shall notify PURCHASER two months before assembly, testing and packing of main EQUIPMENT. If requested, SELLER shall assist PURCHASER's representatives in getting visas in the shortest possible time (applicable only in case of foreign order).
- 13.8 SELLER shall place at the disposal of the INSPECTOR, free of charge, all tools, instruments, and other apparatus necessary for the inspection and/or testing of the GOODS. The INSPECTOR is entitled to prohibit the use and dispatch of GOODS and/or materials which have failed to comply with the characteristics required for the GOODS during tests and inspections.
- 13.9 SELLER shall advise in writing of any delay in the inspection program at the earliest, describing in detail the reasons for delay and the proposed corrective action.
- 13.10 ALL TESTS and trials in general, including those to be carried out for materials not manufactured by SELLER shall be witnessed by the INSPECTOR. Therefore, SELLER shall confirm to PURCHASER by fax or e-mail about the exact date of inspection with at least 30 days notice. SELLER shall specify the GOODS and quantities ready for testing and indicate whether a preliminary or final test is to be carried out.
- 13.11 If on receipt of this notice, PURCHASER should waive the right to witness the test, timely information will be given accordingly.
- 13.12 Any and all expenses incurred in connection with tests, preparation of reports and analysis made by qualified laboratories, necessary technical documents, testing documents and drawings shall be at SELLER's cost. The technical documents shall include the reference and numbers of the standards used in the construction and, wherever deemed practical by the INSPECTOR, copy of such standards.
- 13.13 Nothing in Article-13 shall in any way release the SELLER from any warranty or other obligations under this CONTRACT.
- 13.14 Arrangements for all inspections required by Indian Statutory Authorities and as specified in technical specifications shall be made by SELLER.
- 13.15 **Inspection & Rejection of Materials by consignees**
When materials are rejected by the consignee, the supplier shall be intimated with the details of such rejected materials, as well as the reasons for their rejection, also giving location where such materials are lying at the risk and cost of the contractor/supplier. The supplier will be called upon either to remove the materials or to give instructions as to their disposal within 14 days and in the case of dangerous, infected and perishable materials within 48 hours, failing which the consignee will either return the materials to the contractor freight to pay or



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otherwise dispose them off at the contractor's risk and cost. The PURCHASER shall also be entitled to recover handling and storage charges for the period, during which the rejected materials are not removed @ 5% of the value of materials for each month or part of a month till the rejected materials are finally disposed off.

14 Time Schedule & Progress Reporting

14.1 Time Schedule Network/Bar Chart

14.1.1 Together with the Contract confirmation, SELLER shall submit to PURCHASER, his time schedule regarding the documentation, manufacture, testing, supply, erection and commissioning of the GOODS.

14.1.2 The time schedule will be in the form of a network or a bar chart clearly indicating all main or key events regarding documentation, supply of raw materials, manufacturing, testing, delivery, erection and commissioning.

14.1.3 The original issue and subsequent revisions of SELLER's time schedule shall be sent to PURCHASER.

14.1.4 The time schedule network/bar chart shall be updated at least every second month.

14.2 Progress Trend Chart/Monthly Report

14.2.1 SELLER shall report monthly to PURCHASER, on the progress of the execution of CONTRACT and achievement of targets set out in time bar chart.

14.2.2 The progress will be expressed in percentages as shown in the progress trend chart attached to the Time Schedule specification.

14.2.3 The first issue of the Progress Trend Chart will be forwarded together with the time bar chart alongwith CONTRACT confirmation.

14.3.1 PURCHASER's representatives shall have the right to inspect SELLER's premises with a view to evaluating the actual progress of work on the basis of SELLER's time schedule documentation.

14.3.2 Irrespective of such inspection, SELLER shall advise PURCHASER, at the earliest possible date of any anticipated delay in the progress.

14.4 Notwithstanding the above, in case progress on the execution of contract at various stages is not as per phased time schedule and is not satisfactory in the opinion of the PURCHASER which shall be conclusive, or SELLER shall neglect to execute the CONTRACT with due diligence and expedition or shall contravene the provisions of the CONTRACT, PURCHASER may give notice of the same in writing to the SELLER calling upon him to make good the failure, neglect or contravention complained of. Should SELLER fail to comply with such notice within the period



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considered reasonable by PURCHASER, the PURCHASER shall have the option and be at liberty to take the CONTRACT wholly or in part out of the SELLER's hand and make alternative arrangements to obtain the requirements and completion of CONTRACT at the SELLER's risk and cost and recover from the SELLER, all extra cost incurred by the PURCHASER on this account. In such event PURCHASER shall not be responsible for any loss that the SELLER may incur, and SELLER shall not be entitled to any gain. PURCHASER shall, in addition, have the right to encash Performance Guarantee in full or part.

15 Delivery & Documents

- 15.1 Delivery of the GOODS shall be made by the SELLER in accordance with terms specified in the CONTRACT, and the goods shall remain at the risk of the SELLER until delivery has been completed.
- 15.2 Delivery shall be deemed to have been made:
- a) In the case of FOB Contracts, when the Goods have been put on board the ship, at the specified port of loading and a clean Bill of Lading is obtained. The date of Bill of Lading shall be considered as the delivery date. However, for CFR & CIF Contracts delivery date will be receipt of goods at Indian Port.
 - b) In case of FOT despatch point contract (For Indian bidder), on evidence that the goods have been loaded on the carrier and a negotiable copy of the GOODS receipt obtained. The date of LR/GR shall be considered as the date of delivery.
 - c) In case of FOT site (for Indian bidders) on receipt of goods by PURCHASER at the designated site(s).
- 15.3 The delivery terms are binding and essential and consequently, no delay is allowed without the written approval of PURCHASER. Any request concerning delay will be void unless accepted by PURCHASER through a modification to the CONTRACT.
- 15.4 Delivery time shall include time for submission of drawings for approval, incorporation of comments, if any, and final approval of drawings by PURCHASER.
- 15.5 In the event of delay in delivery, Price Reduction Schedule as stipulated in Article – 26 shall apply.
- 15.6 The documentation, in English Language, shall be delivered in due time, in proper form and in the required number of copies as specified in the contract.
- 15.7 The additional copies of final drawings and instructions will be included in the package of goods, properly enveloped and protected.

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15.8 The SELLER should comply with the Packing, Marking and Shipping Documentation Specifications enclosed.

16 Transit Risk Insurance

16.1 All goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.

16.2 Where delivery is on FOB or CFR basis, marine insurance shall be the responsibility of the Purchaser against the advance information by the contractor with all the details.

Indigenous Bidders : Transit risk insurance till FOT Site shall be arranged and borne by Bidder.

The SELLER shall ensure that in effecting despatch of materials, the primary responsibility of the carriers for safe movement is always retained so that the PURCHASER's interests are fully safeguarded and are in no way jeopardized. The Seller shall furnish the cost of materials against each equipment.

16.2 **PURCHASER's Insurance Agent:**
[The name and address-as mentioned under SCC]

17 Transportation

17.1 Where the SELLER is required under the CONTRACT to deliver the GOODS FOB, transport of the GOODS until delivery, that is, upto and including the point of putting the GOODS on board the export conveyance at the specified port of loading, shall be arranged and paid for by the SELLER and the cost thereof shall be included in the Contract price.

Where the SELLER is required under the CONTRACT to deliver the GOODS CFR or CIF, transport of the Goods to the port of discharge or such other point in the country of destination as shall be specified in the CONTRACT shall be arranged and paid for by the SELLER and the cost thereof shall be included in the Contract price.


18 Incidental Services

18.1 The Seller may be required to provide any or all of the following services:

18.1.1 Performance or supervision of onsite assembly and/or start-up of the supplied Goods.

18.1.2 Furnishing tools required for assembly and/or maintenance of the supplied Goods.

18.1.3 Performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Seller of any warranty/guarantee obligations under the Contract.

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18.1.4 Training of the Purchaser's personnel at the Seller's plant and/or at Site, in assembly, start-up operation, maintenance and/or repair of the supplied Goods at no extra cost. However, Purchaser will bear boarding, lodging & personal expenses of Trainees.

18.2 Prices charged by the Seller for the preceding incidental services, shall not exceed the prevailing rates charged to other parties by the Seller for similar services.

18.3 When required, Seller shall depute necessary personnel for supervision and/or erection of the Equipment at site for duration to be specified by Purchaser on mutually agreed terms. Seller's personnel shall be available at Site within seven days for emergency action and twenty-one days for medium and long-term assistance, from the date of notice given by Purchaser.

18.4 The cost of incidental services shall not be included in the quoted prices. The cost of applicable incidental services should be shown separately in the price schedules.

19 Spare Parts, Maintenance Tools, Lubricants

19.1 Seller may be required to provide any or all the following materials and notification pertaining to spare parts manufactured or distributed by the Seller.

19.1.1 Such spare parts as the Purchaser may opt to purchase from the Seller, provided that his option shall not relieve the Seller of any warrantee obligations under the Contract, and

19.1.2 In the event of termination of production of the spare parts:


- i) Advance notification to the Purchaser of the pending termination, in sufficient time to permit the Purchaser to procure needed requirements, and
- ii) Following such termination, furnishing at no cost to the Purchaser, the blueprints, drawings, and specifications of the spare parts, if any when requested.

19.2 Seller shall supply item wise list with value of each item of spare parts and maintenance tools requirements, along with full details of manufacturers/vendors for such spares/maintenance tools for:

19.2.1 The construction, execution, and commissioning.

19.2.2 2 years' operation and maintenance.

19.3 Spare parts shall be new and of first-class quality as per engineering standards/ codes, free of any defects (even concealed), deficiency in design, materials and

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workmanship and also shall be completely interchangeable with the corresponding parts.


- 19.4 Type and sizes of bearings shall be clearly indicated.
- 19.5 Spare parts shall be packed for long storage under tropical climatic conditions in suitable cases, clearly marked as to intended purpose.
- 19.6 A list of special tools and gauges required for normal maintenance and special handling and lifting appliances, if any, for the Goods shall be submitted to Purchaser.
- 19.7 Bidders should note that if they do not comply with Clause 19.2 above, their quotation may be rejected.
- 19.8 Lubricants
 - 19.8.1 Whenever lubricants are required, Seller shall indicate the quantity of lubricants required for the first filling, the frequency of changing, the quantity of lubricants required for the one year's continuous operation and the types of recommended lubricants indicating the commercial name (trademark), quality and grade.
 - 19.8.2 If Seller is unable to recommend specific oil, basic recommended characteristics of the lubricants shall be given.
 - 19.8.3 Seller shall indicate various equivalent lubricants available in India.

20 Guarantee

- 20.1 All Goods or Materials shall be supplied strictly in accordance with the specifications, drawings, data sheets, other attachments and conditions stated in the Contract.

No deviation from such specifications or alterations or of these conditions shall be made without PURCHASER'S agreement in writing which must be obtained before any work against the order is commenced. All materials supplied by the SELLER pursuant to the Contract (irrespective of whether engineering, design data or other information has been furnished, reviewed or approved by PURCHASER) are guaranteed to be of the best quality of their respective kinds (unless otherwise specifically authorised in writing by PURCHASER) and shall be free from faulty design, workmanship and materials, and to be of sufficient size and capacity and of proper materials so as to fulfill in all respects all operating conditions, if any, specified in the Contract.

If any trouble or defect, originating with the design, material, workmanship or operating characteristics of any materials, arises at any time prior to twelve (12) months from the date of the commercial operation of the Plant for which the materials supplied under the Contract form a part thereof, or twenty four (24)

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months from the date of last shipment whichever period shall first expire, and the SELLER is notified thereof, SELLER shall, at his own expense and as promptly as possible, make such alterations, repairs and replacements as may necessary to permit the materials to function in accordance with the specifications and to fulfil the foregoing guarantees.

PURCHASER may, at his option, remove such defective materials, at SELLER'S expense in which event SELLER shall, without cost to PURCHASER and as promptly as possible, furnish and install proper materials. Repaired or replaced materials shall be similarly guaranteed by the SELLER for a period of not less than twelve (12) months from the date of replacement/repair.

If the materials supplied do not meet the specifications and/or not in accordance with the drawings data sheets or the terms of the Contract and rectification is required at site, PURCHASER shall notify the SELLER giving full details of differences. The SELLER shall attend the site within seven (7) days of receipt of such notice to meet and agree with representatives of PURCHASER, the action required to correct the deficiency. Should the SELLER fail to attend meeting at Site within the time specified above, PURCHASER shall immediately rectify the work/materials and SELLER shall reimburse PURCHASER all costs and expenses incurred in connection with such trouble or defect.

20.2 PERFORMANCE GUARANTEE OF EQUIPMENT

20.2.1 SELLER shall guarantee that the performance of the EQUIPMENT supplied under the CONTRACT shall be strictly in conformity with the specifications and shall perform the duties specified under the CONTRACT.


20.2.2 If the SELLER fails to prove the guaranteed performance of the EQUIPMENT set forth in the specification, the SELLER shall investigate the causes and carry out necessary rectifications /modifications to achieve the guaranteed performance. In case the SELLER fails to do so within a reasonable period, the SELLER shall replace the EQUIPMENT and prove guaranteed performance of the new equipment without any extra cost to PURCHASER.

20.2.3 If the SELLER fails to prove the guarantee within a reasonable period, PURCHASER shall have the option to take over the EQUIPMENT and rectify, if possible, the EQUIPMENT to fulfil the guarantees and/or to make necessary additions to make up the deficiency at Seller's risk and cost. All expenditure incurred by the PURCHASER in this regard shall be to SELLER's account.

21 Terms of Payment

21.1 The method of payment to be made to the SELLER under this CONTRACT shall be specified in the Special Conditions of Contract.

21.2 The type(s) of payment to be made to the SELLER under this CONTRACT shall be specified in the Special Conditions of Contract.

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- 21.3 The SELLER's request(s) for payment shall be made to the PURCHASER in writing accompanied by an invoice describing, as appropriate, the Goods delivered and services performed, and by shipping documents submitted, and upon fulfillment of other obligations stipulated in the Contract.
- 21.4 Payment will be made in the currency or currencies in which the Contract Price has been stated in the SELLER's bid, as well as in other currencies in which the SELLER had indicated in his bid that he intends to incur expenditure in the performance of the Contract and wishes to be paid. If the requirements are stated as a percentage of the bid price alongwith exchange rates used in such calculations these exchange rates shall be maintained.

General Notes:

1. All foreign currency payments to foreign bidder shall be released through an irrevocable Letter of Credit, which shall be opened through Government of India Nationalized Bank and hence shall not be confirmed. In case any bidder insists on confirmation, charges towards confirmation shall be borne by him. L/C shall be established within 30 days after receipt of unconditional acceptance of Letter /Fax of Intent together with Performance Guarantee for 10% of Purchase Order Value.
2. For dispatches on FOT dispatch point (in India) basis, the payment shall be through PURCHASER's bank. Payment through Bank, wherever applicable, shall be released as per normal banking procedures.
3. Payment shall be released within 45 days after receipt of relevant documents complete in all respects.
4. All bank charges incurred in connection with payments shall be to Seller's account in case of Indian bidders and to respective accounts in case of foreign bidders.
5. Unless otherwise specifically stated in bid document, all payments shall be made in the currency quoted.
6. No interest charges for delay in payments, if any, shall be payable by PURCHASER.
7. In case of Indian bidder, 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 bidder after receipt of goods at site (s). However, any price benefits to the PURCHASER, on account of such variation as per terms specified in the bid document, shall be passed on to the PURCHASER alongwith invoicing itself.
8. Agency commission, if any, to Indian agent for foreign bidders, indicated in prices, shall be paid to the agent in equivalent Indian Rupees on receipt and acceptance of material at site.

22 Prices

- 22.1 Prices charged by the SELLER for Goods delivered and services performed under the CONTRACT shall not, with the exception of any price adjustments authorized by the Contract vary from the prices quoted by the SELLER in his bid.

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23 Subletting & Assignment

23.1 The contractor shall not without previous consent in writing of the PURCHASER authority, sublet, transfer, or assign the contract or any part thereof or interest therein or benefit or advantage thereof in any manner whatsoever. Provided, nevertheless, that any such consent shall not relieve the contractor from any obligation, duty or responsibility under the contract.

24 Time as Essence of Contract

24.1 The time and date of delivery/completion of the GOODS/SERVICES as stipulated in the Contract shall be deemed to be the essence of the Contract.

25 Delays in The Seller's Performance

25.1 If the specified delivery schedule is not adhered to or the progress of manufacture or supply of the items is not satisfactory or is not in accordance with the progress schedule the PURCHASER has the right to:

- i) hire for period of delay from elsewhere goods which in PURCHASER's opinion will meet the same purpose as the goods which are delayed, and SELLER shall be liable without limitation for the hire charges; or
- ii) cancel the CONTRACT in whole or in part without liability for cancellation charges. In that event, PURCHASER may procure from elsewhere goods which PURCHASER's opinion would meet the same purpose as the goods for which CONTRACT is cancelled and SELLER shall be liable without limitations for the difference between the cost of such substitution and the price set forth in the CONTRACT for the goods involved; or
- iii) hire the substitute goods vide (i) above and if the ordered goods continue to remain undelivered thereafter, cancel the order in part or in full vide (ii) above.

25.2 Any inexcusable delay by the SELLER or his sub-contractor shall render the SELLER liable, without prejudice to any other terms of the Contract, to any or all of the following sanctions:


forfeiture of Contract performance guarantee, imposition of price reduction for delay in delivery and termination of the contract for default.

26 Price Reduction Schedule for Delayed Delivery

26.1 Subject to Article -29, if the SELLER fails to deliver any or all of the GOODS or performance of the services within the time period (s) specified in the CONTRACT, the PURCHASER shall, without prejudice to his other remedies under the CONTRACT, deduct from the CONTRACT PRICE, a sum calculated on the basis of the CONTRACT PRICE, including subsequent modifications.

26.1.1 Deductions shall apply as per following formula:

In case of delay in delivery of equipment/materials or delay in completion, total contract price shall be reduced by ½% (half percent) of the total contract price per complete week of delay or part thereof subject to a maximum of 10% (Ten Percent) of the total contract price.

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- 26.2 In case of delay in delivery on the part of Seller, the invoice/document value shall be reduced proportionately for the delay and payment shall be released accordingly.
- 26.3 In the event the invoice value is not reduced proportionately for the delay, the PURCHASER may deduct the amount so payable by SELLER, from any amount falling due to the SELLER or by recovery against the Performance Guarantee.

Both seller and PURCHASER agree that the above percentages of price reduction are genuine pre estimates of the loss/damage which the PURCHASER would have suffered on account of delay/breach on the part of the SELLER and the said amount will be payable on demand without there being any proof of the actual loss/or damage caused by such breach/delay. A decision of the PURCHASER in the matter of applicability of price reduction shall be final and binding.

Price reduction schedule on failure of pipe under field hydrotest and/ or during guarantee/ warranty period shall be as follows (for pipe supplier):

Pursuant to General Conditions of Contract as per Volume-I and clause 14 (new) of the Technical Specification, owner shall be reimbursed by the successful bidders for any pipe supplied against this order that fails under field hydrostatic test and/ or during guarantee/ warranty period, if such failure is caused by a defect in pipes which is outside the acceptance limits of the specifications. The reimbursement cost will be the landed cost of the defective pipes including all cost incurred up to delivery thereof at site and shall also include but not limited to cost of all duties, freight, insurance, labor, material, charges for cutting, removing, re-coating, replacement and relaying of defective pipeline including cost of incidental activities as well as losses suffered by MNGL. The recovery cost shall be calculated at actual but will be subject to the minimum values given below. Recovery shall be applied on the actual or minimum pre-determined rate, whichever is higher. The minimum pre-determined rate shall not need any justifications. The minimum pre-determined reimbursement cost of each pipe shall be as under:

- i) Rs. 20,00,000/- (Rs. Twenty Lacs only) for bidder quoting in Indian Rupees.

The above cost shall be for each pipe, payable by the vendor to the Owner on demand without necessity of any proof of replacement/ reimbursement cost. Further, in case, the amount payable by the vendor to MNGL become more than what can be adjusted through price reduction, MNGL may recover at its discretion through deduction from any payment due or becomes due to the contractor or by encashing the Bank Guarantee(s) furnished by contractor, the unrecovered part of such payment will be paid by the contractor to MNGL within 15 days of date of notification by MNGL to him.



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In the event of conflict between the stipulations of this article and anything contained in the Technical Specification (Material Requisition), the stipulations of this article shall govern.

Necessary tests to establish cause of failure of pipes shall be carried out at Welding Research Institute, Trichi, India and shall be binding on both MNGL and the pipe supplier.

27 Rejections, Removal of Rejected Equipment & Replacement

27.1 Preliminary inspection at SELLER's works by INSPECTOR shall not prejudice PURCHASER's claim for rejection of the EQUIPMENT on final inspection at SITE or claims under warranty provisions.

27.2 If the EQUIPMENTS are not of specification or fail to perform specified duties or are otherwise not satisfactory the PURCHASER shall be entitled to reject the EQUIPMENT/MATERIAL or part thereof and ask free replacement within reasonable time failing which obtain his requirements from elsewhere at SELLER's cost and risk.

27.3 Nothing in this clause shall be deemed to deprive the PURCHASER AND/OR AFFECT ANY rights under the Contract which it may otherwise have in respect of such defects or deficiencies or in any way relieve the SELLER of his obligations under the Contract.

27.4 EQUIPMENT rejected by the PURCHASER shall be removed by the Seller at his cost within 14 days of notice after repaying the amounts received against the SUPPLY. The PURCHASER shall in no way be responsible for any deterioration or damage to the EQUIPMENT under any circumstances whatsoever.


27.5 In case of rejection of EQUIPMENT, PURCHASER shall have the right to recover the amounts, if any, from any of CONTRACTOR'S invoices pending with PURCHASER or by alternative method(s).

28 Termination of Contract

28.1 Termination for Default

28.1.1 The PURCHASER may, without prejudice to any other remedy for breach of CONTRACT, by written notice of default sent to the SELLER, terminate the CONTRACT in whole or in part:

- A) If the SELLER fails to deliver any or all of the GOODS within the time period(s) specified in the CONTRACT; or
- B) If the SELLER fails to perform any other obligation(s) under the CONTRACT, and
- C) If the SELLER, in either of the above circumstances, does not cure his failure within a period of 30 days (or such longer period as the PURCHASER may authorize in writing) after receipt of the default notice from the PURCHASER.

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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28.1.2 In the event the PURCHASER terminates the CONTRACT in whole or in part, pursuant to Article 28.1.1, the PURCHASER may procure, upon such terms and in such manner as it deems appropriate, goods similar to those undelivered and the SELLER shall be liable to the PURCHASER for any excess costs for such similar GOODS. However, the SELLER shall continue performance of the CONTRACT to the extent not terminated.

28.1.3 In case of termination of CONTRACT herein set forth (under clause 28) except under conditions of Force Majeure and termination after expiry of contract, the VENDOR shall be put under holiday [i.e. neither any enquiry will be issued to the party by MAHARSHRATRA NATURAL GAS LIMITED Against any type of tender nor their offer will be considered by MNGL against any ongoing tender (s) where contract between MNGL and that particular VENDOR (as a bidder) has not been finalized] for three years from the date of termination by MAHARSHRATRA NATURAL GAS LIMITED to such VENDOR.

28.2 Termination for Insolvency

The PURCHASER, may at any time, terminate the CONTRACT by giving written notice to the SELLER, without compensation to the SELLER, if the SELLER becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the PURCHASER.

28.3 Termination for Convenience

28.3.1 The PURCHASER may, by written notice sent to the SELLER, terminate the CONTRACT, in whole or part, at any time for his convenience. The notice of termination shall specify that termination is for the PURCHASER's convenience, the extent to which performance of work under the CONTRACT is terminated and the date upon which such termination becomes effective.


28.3.2 The GOODS that are complete and ready for shipment within 30 days after the SELLER's receipt of notice of termination shall be purchased by the PURCHASER at the CONTRACT terms and prices. For the remaining GOODS, the PURCHASER may opt:

- a) to have any portion completed and delivered at the CONTRACT terms and prices, and /or
- b) to cancel the remainder and pay to the SELLER an agreed amount for partially completed GOODS and for materials and parts previously procured by the SELLER.

29 Force Majeure

29.1 Shall mean and be limited to the following:

- a) War/hostilities
- b) Riot or Civil commotion
- c) Earthquake, flood, tempest, lightening or other natural physical disaster.

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- d) Restrictions imposed by the Government or other Statutory bodies which prevents or delays the execution of the Contract by the SELLER.


The SELLER shall advise PURCHASER/CONSULTANT by a registered letter duly certified by the local Chamber of Commerce or statutory authorities, the beginning and end of the above causes of delay within seven (7) days of the occurrence and cessation of such Force Majeure Conditions. In the event of delay lasting over one month, if arising out of causes of Force Majeure, PURCHASER reserves the right to cancel the Contract and the provisions governing termination stated under Article 28.0 shall apply.

For delays arising out of Force Majeure, the SELLER shall not claim extension in completion date for a period exceeding the period of delay attributable to the causes of Force Majeure and neither PURCHASER/CONSULTANT nor SELLER shall be liable to pay extra costs provided it is mutually established that Force Majeure Conditions did actually exist.

SELLER shall categorically specify the extent of Force Majeure Conditions prevalent in their works at the time of submitting their bid and whether the same have been taken into consideration or not in their quotations. In the event of any force majeure cause, the SELLER or the PURCHASER shall not be liable for delays in performing their obligations under this order and the delivery dates will be extended to the SELLER without being subject to price reduction for delayed deliveries, as stated elsewhere.

30 Resolution of Disputes/Arbitration

- 30.1 The PURCHASER and the SELLER shall make every effort to resolve amicably by direct informal negotiations any disagreement or dispute arising between them under or in connection with the contract.
- 30.2 If, after thirty days from the commencement of such informal negotiations, the PURCHASER and the SELLER have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanism as specified hereunder.
- 30.3 The Contract shall be, in all respects be construed and operated as an Indian Contract and in accordance with Indian Laws as in force for the time being and is subject to and referred to the Court of Law situated at Pune.
- 30.4 **Arbitration**
All disputes, controversies, or claims between the parties (except in matters where the decision of the Engineer-in-Charge is deemed to be final and binding) which cannot be mutually resolved within a reasonable time shall be referred to Arbitration by a sole arbitrator.

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The PURCHASER (MNGL) shall suggest a panel of three independent and distinguished persons to the Seller to select any one among them to act as the sole Arbitrator.

In the event of failure of the Seller to select the Sole Arbitrator within 30 days from the receipt of the communication suggesting the panel of arbitrators, the right of selection of Sole Arbitrator by the other party shall stand forfeited and the PURCHASER shall have discretion to proceed with the appointment of the Sole Arbitrator. The decision of the PURCHASER on the appointment of Sole Arbitrator shall be final and binding on the parties.

The award of the Sole Arbitrator shall be final and binding on the parties and unless directed/awarded otherwise by the Sole Arbitrator, the cost of arbitration proceedings shall be shared equally by the parties. All matters relating to this contract are subject to the exclusive jurisdiction of the courts situated at Pune. Subject to the above, the provisions of (Indian) Arbitration & Conciliation Act, 1996 and the rules framed thereunder shall be applicable. All matters relating to this contract are subject to the exclusive jurisdiction of the Courts situated at Pune, Maharashtra, India.

31 Governing Language

31.1 The Contract shall be written in English language as specified by the PURCHASER in the Instruction to Bidders. All literature, correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in English language. Printed literature in other language shall only be considered, if it is accompanied by an English translation. For the purposes of interpretation, English translation shall govern and be binding on all parties.

32 Notices

32.1 Any notice given by one party to the other pursuant to the Contract shall be sent in writing or by telegram or fax, telex/cable confirmed in writing.


32.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

33 Taxes & Duties

33.1 A foreign Seller shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the PURCHASER's country.

33.2 A domestic Seller shall be entirely responsible for all taxes, duties, license fees etc. incurred until the delivery of the contracted goods to the PURCHASER. However, Sales Tax and Excise duty on finished products shall be reimbursed by PURCHASER.

33.3 Customs duty payable in India for imported goods ordered by PURCHASER on foreign Seller shall be borne and paid by PURCHASER.

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- 33.4 Any income tax payable in respect of supervisory services rendered by foreign Seller under the Contract shall be as per the Indian Income Tax Act and shall be borne by SELLER.

34 Books & Records


- 34.1 SELLER shall maintain adequate books and records in connection with Contract and shall make them available for inspection and audit by PURCHASER/CONSULTANT or their authorized agents or representatives during the terms of Contract until expiry of the performance guarantee. Fixed price (lumpsum or unit price) Contract will not be subject to audit as to cost except for cost reimbursable items, such as escalation and termination claims, transportation and comparable requirements.

35 Permits & Certificates

- 35.1 SELLER shall procure, at his expense, all necessary permits, certificates and licenses required by virtue of all applicable laws, regulations, ordinances and other rules in effect at the place where any of the work is to be performed, and SELLER further agrees to hold PURCHASER and/or CONSULTANT harmless from liability or penalty which might be imposed by reason of any asserted or established violation of such laws, regulations, ordinances or other rules. PURCHASER will provide necessary permits for SELLER's personnel to undertake any work in India in connection with Contract.

36 General

- 36.1 In the event that terms and conditions stipulated in the General Conditions of Contract should deviate from terms and conditions stipulated in the Contract, the latter shall prevail.
- 36.2 Losses due to non-compliance of Instructions Losses or damages occurring to the PURCHASER owing to the SELLER's failure to adhere to any of the instructions given by the PURCHASER in connection with the contract execution shall be recoverable from the SELLER.
- 36.3 Recovery of sums due
All costs, damages or expenses which the PURCHASER may have paid, for which under the CONTRACT SELLER is liable, may be recovered by the PURCHASER (he is hereby irrevocably authorized to do so) from any money due to or becoming due to the SELLER under this Contract or other Contracts and/or may be recovered by action at law or otherwise. If the same due to the SELLER be not sufficient to recover the recoverable amount, the SELLER shall pay to the PURCHASER, on demand, the balance amount.
- 36.4 Payments, etc. not to affect rights of the PURCHASER No sum paid on account by the PURCHASER nor any extension of the date for completion granted by the PURCHASER shall affect or prejudice the rights of the PURCHASER against the

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SELLER or relieve the SELLER of his obligation for the due fulfillment of the CONTRACT.

36.5 Cut-off Dates

No claims or correspondence on this Contract shall be entertained by the PURCHASER after 90 days after expiry of the performance guarantee (from the date of final extension, if any)

36.6 Paragraph heading

The paragraph heading in these conditions shall not affect the construction thereof.

37 Import License

37.1 No import license is required for the imports covered under this document.

38 FALL CLAUSES

38.1 The price charged for the materials supplied under the order by the supplier shall in no event exceed the lowest price at which the supplier or his agent/principal/dealer sells the materials of identical description to any persons/organizations including the Purchaser or any department of the Central Govt. or any Deptt. Of a State Govt. or any Statutory Undertaking of the Central or State Govt. as the case may be, during the currency of the order.


38.2 If at any time during the said period, the supplier, or his agent/principal/dealer, as the case may be, reduces the sale price, sells or offers to sell such materials to any persons/organizations including the Purchaser or any Deptt. Of Central Govt. or State Govt. as the case may be, at a price lower than the price chargeable under the order, he shall forthwith notify such reduction or sale or offer of sale to the Purchase Authority who has issued this order and the price payable under the order for the materials supplied after the date of coming into force of such reduction or sale or offer of sale shall stand correspondingly reduced.

The above stipulation will, however, not apply to:

- a) Exports by the Contractor/Supplier or
- b) Sale of goods as original equipment at prices lower than the prices charged for normal replacement
- c) sale of goods such as drugs which have expiry dates.

38.3 The supplier shall furnish the following certificate to the concerned Paying Authority alongwith each bill for payment for supplies made against this order:

"I/We certify that there has been no reduction in sale price of the items/goods/materials of description identical to those supplied to the MNGL under the order herein and such items/ goods/materials have not been offered/sold by me/us to any person/organizations including the Purchaser or any Deptt. Of Central Govt. or any Deptt. Of State Govt. or

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any Statutory Undertaking of the Central or State Govt. upto the date of bill/during the currency of the order whichever is later, at a price lower than the price charged to the MNGL under the order.

Such a certificate shall be obtained, except for quantity of items/goods/materials categories under sub-clause (a), (b) & (c) of sub-para 38.2 above, of which details shall be furnished by the supplier.

39 Publicity & Advertising

39.1 Seller shall not without the written permission of PURCHASER make a reference to PURCHASER or any Company affiliated with PURCHASER or to the destination or the description of goods or services supplied under the contract in any publication, publicity, or advertising media.

40 Repeat Order:

40.1 PURCHASER reserves the right, within 6 months of order to place repeat order upto 50% of the total order value without any change in unit price or other terms and conditions.

41 Limitation of Liability:

41.1 Notwithstanding anything contrary contained herein, the aggregate total liability of Seller under the Agreement or otherwise shall be limited to 100% of Agreement / Order price. However, neither party shall be liable to the other party for any indirect and consequential damages, loss of profits or loss of production.



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**SECTION - IIIA
FORMS AND FORMATS**



**MAHARASHTRA NATURAL
GAS LIMITED**


**Tender for supply, installation & commissioning of a
Pressure Regulating Skid (PRS) at GAIL's IP04
Shahapur for Nanded GA.**

Bid Doc. No. MNGL/CP/2025-26/132

**FORM F-1
BIDDER'S GENERAL INFORMATION
(Information must be provided on bidder's letterhead)**

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

- 1-1 Bidder Name: _____
- 1-2 Number of Years in Operation: _____
- 1-3 Address of Registered Office: _____
City _____ District _____
State _____ PIN _____
- 1-4 Operation Address
(If different from above): _____
City _____ District _____
State _____ PIN _____
- 1-5 Telephone Number: _____
(Area Code) (Telephone Number)
- 1-6 Mobile Number, if any _____
- 1-7 E-mail address: _____
- 1-8 Website: _____
- 1-9 Fax Number: _____
(Area Code) (Telephone Number)
- 1-10 ISO Certification, if any {If yes, please furnish details} _____
- 1-11 Whether Supplier / Manufacturer
/ Dealer / Trader / Service Provider _____
- 1-12 Types of material / service provided _____
- 1-13 Bank's Name: _____
- 1-14 Bank's Branch: _____
- 1-15 Branch Code: _____
- 1-16 Bank account Number: _____

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- 1-17 Account type: _____
- 1-18 IFSC Code: _____
- 1-19 MICR Code: _____
- 1-20 Type of Firm: Proprietary/ Partnership/ PVT/Public Ltd.: _____
- 1-21 If others, please specify _____
- 1-22 **Details of Directors/ Proprietors/ Partners** _____

(Kindly attach separate sheets giving details for names of directors/proprietors and their stakes) along with the supporting documents.

- 1-23 PAN No.: _____
- 1-24 EPF No.: _____
- 1-25 MSME category, if applicable (i) Type of Enterprises: _____
- (ii) Social Category of Enterprises: _____
- (iii) Gender (Male/Female/Transgender/NA: _____
- 1-26 GST Registration no.
(If registered) _____
- 1-27 If unregistered (Reason)
- a) Turnover threshold
- b) Providing exemption goods/services
- c) Others (specify)
- (SIGNATURE OF BIDDER WITH SEAL)

Notes:

- 1 The above-required information is required on the bidder's letterhead.
- 2 Bidders must submit supporting documents for the above details including the following:
 - a. PAN Card copy
 - b. GST certificate copy (of the same state as the office address mentioned above)
 - c. Cancelled cheque of the bank account mentioned above

(SIGNATURE OF BIDDER WITH SEAL)



**MAHARASHTRA NATURAL
GAS LIMITED**

**Tender for supply, installation & commissioning of a
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Shahapur for Nanded GA.**

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**FORM F-2
BID BOND PROFORMA**

Bank Guarantee No.:

Date:

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

Dear Sir,

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 (as quoted in price bid) or such other sums as may be ascertained in accordance with the Schedule of Prices.

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 / Delivery Order 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.

We have enclosed Bid Security in the form of Demand Draft/ Bank Guarantee in line with Cl. 17 of ITB for _____ (amount in figure & words) valid for 6 (six) months' period as per the requirement of bid document.

Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof in your notification of award (Fax of Intent / Purchase Order) 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 2026

SEAL AND SIGNATURE

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

(SIGNATURE OF WITNESS)

WITNESS NAME:

ADDRESS:



**MAHARASHTRA NATURAL
GAS LIMITED**

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**PROFORMA FOR BANK GUARANTEE FOR EARNEST MONEY DEPOSIT / BID
SECURITY**

(To be stamped in accordance with the Stamp Act)

Ref: Bank Guarantee No.
Date

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045


Dear Sir(s),
In accordance with Letter Inviting Tender under your reference No.
_____ M/s
_____ having their Registered/ Head Office at

_____ (hereinafter called the Tenderer) wish to participate in the
said tender for _____.

As an irrevocable Bank Guarantee against Earnest Money for the amount of
_____ is required to be submitted by the Tenderer as a condition precedent
for participation in the said tender which amount is liable to be forfeited on the happening
of any contingencies mentioned in the Tender Document.

We, the _____ Bank at
_____ having our Head Office
_____ (Local Address) guarantee and
undertake to pay immediately on demand without any recourse to the tenderers by
Maharashtra Natural Gas Ltd. the amount _____ without any
reservation, protest, demur and recourse. Any such demand made by MNGL shall be
conclusive and binding on us, irrespective of any dispute or difference raised by the
Tenderer.

This guarantee shall be irrevocable and shall remain valid up to _____ [this
date should be 6 months after the date finally set out for closing of tender]. If any further
extension of this guarantee is required, the same shall be extended to such required
period on receiving instructions from M/s _____ whose
behalf this guarantee is issued.

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In witness whereof the Bank, through its authorized officer, has set its hand and stamp on this _____ day of _____ 2026 at _____.

WITNESS:

(SIGNATURE)
(NAME)

(OFFICIAL ADDRESS)

(SIGNATURE)
(NAME)

Designation with Bank Stamp


Attorney as per

Power of Attorney No. _____

Date: _____

INSTRUCTIONS FOR FURNISHING BID-GUARANTEE / BANK GUARANTEE

1. The Bank Guarantee by bidders will be given on non-judicial stamp paper as per stamp duty applicable. The non-judicial stamp paper should be in the name of the issuing bank. In case of foreign bank, the said banks guarantee to be issued by its correspondent bank in India on requisite non-judicial stamp paper.
2. The expiry date as mentioned in bid document should be arrived at by adding 2 months to the date of expiry of the bid validity unless otherwise specified in the Bid Documents.
3. The bank guarantee by bidders will be given from bank as specified in ITB
4. A letter along with SWIFT Statement from the issuing bank of the requisite Bank Guarantee confirming that said bank guarantee/ all future communication relating to the Bank Guarantee shall be forwarded to the Employer at its address as mentioned at ITB.
5. Bidders must indicate the full postal address of the bank along with the bank's E-mail/ Fax from where the earnest money bond has been issued.

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FORM F – 3 A

ANNUAL TURNOVER


Bidder must fill in this form

Annual Turnover data for the last 3 years:

Year	Last three financial year	Amount (in INR)
Year 1:		
Year 2:		
Year 3:		

1. The information supplied should be the Annual Turnover of the bidder
2. A brief note should be appended describing thereby details of turnover as per audited results.

SEAL AND SIGNATURE OF THE BIDDER

 MAHARASHTRA NATURAL GAS LIMITED	Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA. Bid Doc. No. MNGL/CP/2025-26/132
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**FORM F – 3 B
FINANCIAL STATUS**

Bidder must fill this form


FINANCIAL DATA FOR LAST AUDITED FINANCIAL YEAR

Description	Amount (in INR)
1. Current assets	
2. Current Liabilities (including secured and un-secured short-term loans & working capital loans)	
3. Working Capital (Current Assets-Current liabilities)	
4. Net Worth Owners funds (Paid up share capital and Free Reserves & Surplus) (NW)	

Attached are copies of the audited balance sheets, including all related notes and income statement and Auditor's report, for the last Audited Financial year, as indicated above, complying with the following conditions:

- All such documents reflect the financial situation of the bidder
- Historic financial statements must be audited by a certified accountant.
- Historic financial statements must be complete, including all notes to the financial statements.
- Historic financial statements must correspond to accounting periods already completed and audited (no statement for partial periods shall be requested or accepted)

SEAL AND SIGNATURE OF BIDDER

 MAHARASHTRA NATURAL GAS LIMITED	Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA. Bid Doc. No. MNGL/CP/2025-26/132
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FORM F-4
CHECK LIST FOR AGREED TERMS AND CONDITIONS

Sr. No.	DESCRIPTION	BIDDER'S CONFIRMATION
1.	Price & Delivery Basis	FOT- MNGL Store basis at various Locations
2.	Firm & Fixed Prices (As per Tender document)	Accepted
3.	Supply as per scope defined in the Tender documents	Included
4.	All Taxes, duties, levies, etc. included in price	Included
5.	Packing & Forwarding is Included in unit price	Included
6.	Delivery period (As per Tender document)	Accepted
7.	Guarantee/ Warranty Clause	Accepted
8.	Price Reduction Schedule as per Tender document	Accepted
9.	Term of Payments (As per Tender document)	Accepted
10.	Contract-Cum-Equipment Performance Bank Guarantee to be submitted as per tender document	Accepted
11.	Firm Price - during the entire duration of contact (As per Tender document)	Accepted
12.	Validity of bid & bid security	Accepted
13.	Bid Security (EMD) & Details of EMD	Submitted
14.	Price Quoted as per SOR.	Yes
15.	Deviation / exception Form 5	Yes
16.	Defect Liability Period/ Warranty	Accepted
17.	Goods & Service Tax	Included
18.	General & Special Conditions of Contract & Technical terms and conditions of the Tender	Accepted

Name of the Bidder : M/s.

Signature :

Name :

Designation :

Date :

Seal:



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**FORM F-5
DEVIATION FORM
(On Bidder's letterhead)**

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

Notes:

- 1) BIDDER may give a consolidated list of deviations/clarifications/comments for all sections of the bid documents which for an appropriate offer are considered unavoidable by him.
- 2) Deviations/clarifications mentioned elsewhere in the offer shall not be binding on the MNG and any such deviations if indicated elsewhere other than this form will render the offer non-responsive and shall be liable to be rejected.
- 3) BIDDER shall state the reason for the deviations in the remark column.
- 4) Only the deviations listed herein, in conjunction with the original Tender shall constitute the contract document for the award of the job to the BIDDER.
- 5) Any clarification raised by the Purchaser/ Consultant should be resolved within 10 days failing which the bid is liable for rejection.

Sec No./ Clause. No.	Page No.	Requirements as per tender	Deviation by Bidder	Clarification/ Comments by Bidder	Remarks
1)					
2)					
3)					
4)					
5)					
6)					

The bidder confirms that all clauses of the tender document, which are not listed above are fully complied by the bidder.

(Signature of the bidder)



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**FORM F-6
DECLARATION ON TENDER DOCUMENT DOWNLOADED
(on Bidder's letterhead)**

No.

Date:

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045


Subject:

Sir,

We hereby confirm that we have read each page of the subject tender document along with Corrigendum & Reply to bidder's queries thoroughly and understood the complete Scope of Work and other terms & conditions. We hereby also confirm that tender terms & conditions are acceptable to us and any deviation other than mentioned in deviation Form F-5 is not to be taken into account.

Yours faithfully,

Signature
Name & Designation
For and on behalf of

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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**FORM F-7
PROFORMA FOR LETTER OF AUTHORITY**

No.

Date:

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

Subject:

Sir,

We _____ hereby authorise
following representative (s) to attend the Un-Priced Bid opening and Priced Bid opening
against above Bidding Document:

1. Name & Designation _____ Signature _____

2. Name & Designation _____ Signature _____

We confirm that we shall be bound by all and whatsoever our representative(s) shall
commit.

Yours faithfully,

Signature
Name & Designation
For and on behalf of

Note: This letter of authority should be on the letterhead of the bidder and should be
signed by a person competent and having the power of attorney to bind the bidder.



**MAHARASHTRA NATURAL
GAS LIMITED**

**Tender for supply, installation & commissioning of a
Pressure Regulating Skid (PRS) at GAIL's IP04
Shahapur for Nanded GA.**

Bid Doc. No. MNGL/CP/2025-26/132

**FORM F-8
DECLARATION
(on Bidder's letter head)**


To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

Subject:

We confirm that we are not under any liquidation, court receivership or similar proceedings.

We also confirm that we have not been put on Black / Holiday list by MNGL / MoP&NG / Oil Public Sector Enterprise(s) for any forgery, Corrupt or Fraudulent Practice or unethical behaviour.


SEAL AND SIGNATURE OF BIDDER

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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Form F-9

**DETAILS OF LITIGATION
(on Bidder's letterhead)**

Bidder shall furnish details of litigation cases of the bidder during the last 5 years if any, in this Form.

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**FORM F-10
COVERING LETTER
(ON LETTERHEAD)**

Date:

To,

Subject: Certificate regarding.....

Dear Sir,

We..... (name of the Statutory Auditor/Chartered Accountant) are the Statutory Auditor/Chartered Accountant of M/s..... (name of the bidder).

We hereby confirm that we have issued following certificate:

- 1.
- 2.
- 3.


Thanking You,

Place: (Signature)

Date: Name of Authorised Signatory
Membership No.

Encl.: As above

Note: Submission of this form is Mandatory for all the bidders.

 MAHARASHTRA NATURAL GAS LIMITED	Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA. Bid Doc. No. MNGL/CP/2025-26/132
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FORM F- 11

**FORMAT FOR STATUTORY AUDITOR'S / CHARTERED ACCOUNTANT
CERTIFICATE FOR FINANCIAL CAPABILITY OF THE BIDDER**

(For supply of Goods/Works/Services)

We have verified the Annual Accounts and other relevant records of M/s..... (Name of the bidder) and certify the following:

A. ANNUAL TURNOVER OF LAST 3 YEARS:

Year	Amount (Currency)
Year 1:	
Year 2:	
Year 3:	

B. FINANCIAL DATA FOR LAST AUDITED FINANCIAL YEAR:

Description	Year
	Amount (Currency)
1. Currency Assets	
2. Current liabilities	
3. Working capital (Current assets-current liabilities)	
4. Net worth (Paid up share capital and free reserves & surplus)	

Name of Audit Firm:
Chartered Accountant
Date:

[Signature of Authorized signatory]
Name:
Designation:
Seal:
Membership no.
UDIN No.

Instructions:

1. The financial year would be the same as one normally followed by the bidder for its Annual Report.
2. The bidder shall provide the audited annual financial statements as required for this Tender Document. Failure to do so would result in the personnel being considered as non-responsive.
3. For the purpose of this Tender document (i) Annual Turnover shall be "Sale value/Operating Income" (ii) Working capital shall be "Current Assets Less Current Liabilities" and (iii) Net Worth shall be "Paid up share capital and Free reserves & Surplus"



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Shahapur for Nanded GA.**

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**FORM F-12
FORMAT FOR CERTIFICATE FROM STATUTORY AUDITOR FOR DETAILS OF
SIMILAR GOODS/ WORK/ SERVICES SUPPLIED/ DONE DURING PAST 10
YEARS**

Sr. no.	Description of the goods/works/services	LOA/PO /WO no. & date	Full proposal, address & phone nos. of client Name, designation & address of engineer/officer- in-charge (for cases other than purchase)	Value of Contract /Order (Specify Currency amount)	Date of Commencement of work/service s or supply of goods	Scheduled completion time(months) delivery schedule	Date of actual completion /supply	Reasons for delay in execution, if any	Project cost
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)

Place:

[Sign. Of authorized signatory of bidder]


Date:

Name:

Designation:

Instructions:

1. Copies of letter of awards/order/work orders and completion certificate (in case of works/services) or IRN/Proof of delivery (in case of supplies, if applicable) to be enclosed.
2. The supply/work/services completed earlier than 5 years need not be indicated here.
3. The list of supply/ work/ services not of similar nature need not be indicated here. Failing to comply aforementioned instructions may lead to rejection of bid.
4. Bidders are expected to provide details in respect of each order in this Annex. The orders cited must comply with the bid evaluation criteria specified in Tender Document. Details provided in this section is intended to serve as a backup for information provided in Offer/Quotation. Bidder should also refer to the instructions below.
5. A separate sheet should be filled for each LOA/work order/ purchase order.

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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6. Certificate from the bidder's statutory auditors must be furnished in the format below for LOA/Work Order/Purchase Order mentioned above (separately for each order).
7. It may be noted that in the absence above certificates, the details would be considered inadequate and could lead to the bid being considered ineligible for further evaluation.

Certificate from the Statutory Auditor regarding Supply of Goods/Works/Services

Based on its books of accounts and other published information authenticated by it, {this is to certify that LOA/PO/WO no. dated.....was awarded to (name of the bidder) by.....(name of the client) to execute.....((name of the supply/work/service). The Supply/ works/services commenced on (date) was/is likely to be completed on.....(date, if any). It is certified that the total value of contract/order executed by..... (name of bidder) was..... (specify currency & amount) and executed value was.....(specify currency & amount).

Name of Audit Firm:

[Signature of authorized signatory]

Chartered Accountant:


Date:

Name:

Designation:

Seal:

Membership no.:

 MAHARASHTRA NATURAL GAS LIMITED	Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA. Bid Doc. No. MNGL/CP/2025-26/132
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FORM F-13

FORMAT FOR SUPPLY RECORDS FOR MEETING BEC

Sr. no.	Purchase Order no.	Purchaser Name	Ordered Quantity	Supplied Quantity	IRN no./ DCN/ Taxable Invoice no.	Sr. No. of pages
(1)	(2)	(3)	(4)	(5)	(6)	(7)

Bidder shall submit this form along with relevant document with proper numbering.

For tenders having various items/ parts, bidder to submit separate format for each item/ part quoted.

 MAHARASHTRA NATURAL GAS LIMITED	Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA. Bid Doc. No. MNGL/CP/2025-26/132
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**Form F-14
FORMAT FOR BIDDER'S PRE-BID QUERIES**


To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

Subject:

Sr. no.	Section / Tender page no.	Clause no.	Subject	Bidder's Query

NOTE: The Pre-Bid Queries may be sent by e-mail, before pre-bid meeting due date, to MNGL. Editable copy of queries may be enclosed while sending signed pre bid queries.

SEAL AND SIGNATURE OF BIDDER

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**Form F-15
TECHNO-COMMERCIAL PROPOSAL**

(To be filled serial-wise on the e-tendering portal bid floor in the provided format)

Wherever remarks are required, bidders are advised to ensure that sufficient information has been provided and remarks such as “attached”, “enclosed”, “submitted” or other such terms alone should be avoided.

Sr.	Requirement	Response
	General Information	
1	Complete Bidder Organization Name	
2	Date of Registration	
3	Company Address(es) in India	
4	No. of years in business	
5	Type of Firm (Proprietary / Partnership / Private Ltd. / Public Ltd.)	
6	Details of Directors / Proprietors / Partners	
7	Phone no. of contact person	
8	Email ID of contact person	
9	GST registration number	
	Technical BEC	
1	As defined in tender document	Agree
	Details in support of Technical BEC	
1	Any one past reference client (Company Name)	
2	Reference client's PO / work order / Agreement no. and date of award	
3	Reference client's Completion certificate with clear mention of PO / work order / Agreement no., awarded value/ qty. & executed value/ qty.	
	Financial BEC	
1	Bidder's turnover for immediate preceding financial year FY _____ (as per tender requirement).	
2	Bidder's turnover for second to last preceding financial year FY _____ (as per tender requirement).	
3	Bidder's turnover for third to last preceding financial year FY _____ (as per tender requirement).	
4	Bidder's net worth for preceding financial year FY _____ (as per tender requirement). Should be positive.	
5	Bidder's working capital for preceding financial year FY _____ (as per tender requirement).	
	Commercial Terms and Conditions	
1	Bidder accepts to keep the bid valid for a period of 4 months from the date of opening of techno-commercial bid	Agree
2	Bidder to submit the original copy of EMD / Bid Security (if applicable) required against tender document within the stipulated time.	Agree
3	EMD / Bid Security DD/BG no. / MSME/NSIC certificate no. and date	
4	Bidder accepts to quote the prices as per SOR enclosed with this	Agree




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	tender document	
5	Prices quoted by the bidder shall remain firm, fixed and valid for entire contractual period	Agree
6	Prices quoted by the bidder shall be inclusive of all taxes, duties, levies, fees, insurance, etc.	Agree
7	Bidder understands and accepts the complete scope of work as defined in the tender document	Agree
8	Bidder accepts the contractual validity period as per tender	Agree
9	Bidder accepts the terms of payment as per tender	Agree
10	Bidder accepts to submit the Performance Bank Guarantee(s) as per tender provisions	Agree
11	Bidder accepts the Price Reduction Schedule and other penalties as mentioned in the tender document	Agree
12	Bidder accepts the General / Special / Technical Terms & Conditions of the tender	Agree
13	Bidder accepts all statutory compliances against tender	Agree
14	Bidder has read and accepts the tender document in toto	Agree
15	Any deviation from the tender document sought by the bidder is listed separately in Form-5 only	Agree
16	All the bidders must ensure adequacy and sufficiency of their document while submitting bid in all respects. Bid shall include all documents confirming to the tender terms and conditions, BEC and the tender specifications in toto failing which their bids are liable to be rejected.	Agree

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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DOCUMENTS TO BE UPLOADED ON E-TENDER PORTAL

Sr.	Document Header Name	Document Description
1	Covering Letter/Forwarding Letter	Covering Letter/ Forwarding Letter
2	Bid Signatory PoA / Board Resolution	Power of attorney of the signatory to the bid offer on non-judicial stamp paper / Board resolution of company for authorized signatory.
3	Form-1	Bidder's General Details/ information as per appended format
4	Form-2	Bid Security (EMD) as per format Form F-2
5	Form-3A & 3B	Certificate for financial capability of the bidder as per appended format. In case bidder's working capital is lower than that required as per Tender BEC, letter from bidder's bank showing availability of credit to cover inadequacy of working capital to be attached with this Form-14
6	Form-4	Agreed Terms & Conditions
7	Form-5	Deviation/ Exceptions as per appended format.
8	Form-6	Declaration as per appended format.
9	Form-7	Letter of authority in favour of any one or two of Bidder's executives having authority to attend the un-Priced and price bid opening as per appended format.
10	Form -8	Declaration for bidder not under Liquidation, etc. (on Bidder's letter head)
11	Form-9	Information regarding any current litigation in which the bidder is involved in Form F-9.
12	Form-10,11 & 12 Certificates	Certificates as per appended Form- F- 10, 11 & 12
13	Form 13	Supply Records
14	Form 15	Techno-Commercial Proposal as per form 15
15	Copy of GST	Copy of GST (Goods & Service Tax), ESI, PF, PAN registration Certificates
16	Other Documents for Technical BEC Eligibility	Any other documents to show compliance of Technical BEC
17	Corrigenda and Other Docs	Copy of all addenda/corrigenda, if any, along with required documents as stated therein, duly signed and stamped. (In case no addendum/corrigendum has been issued against this tender document, then the bidder may upload a letter stating that "No addendum/corrigendum has been issued against this tender document").

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Notes:

1. Bidder may attach any other docs, not in above list but relevant to this tender, at the specified link on the e-tendering portal.
2. Bidder must upload the file as asked above on e-tender portal in .pdf format by keeping the file name as provide in the column "*Document Header Name*" above only.
3. All pages of the bid offer to be signed and stamped by an authorised representative (as describe in bid document) of the bidder.
4. Bidder must ensure numbering of all pages submitted in bid document. Further total number of pages submitted in bid document must be mentioned in the covering letter of bid submitted.

Bidders must upload the unpriced SOR marked "Quoted/ Unquoted" for each item as per excel (named "*Unpriced SOR*") provided on the e-tender portal along with applicable GST rate (in percentage only) and HSN code. If there is any discrepancy observed between the HSN code/ GST rate in unpriced SOR and priced bid, then the GST rate as per unpriced SOR or as agreed during technical- commercial queries shall be considered for evaluation. MNGL also may take necessary clarifications from bidders quoting HSN code or GST rate inconsistent with other bidders or previous contract.



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**Form F-17
CONTRACT PERFORMANCE BANK GUARANTEE
(To be stamped in accordance with Stamp Act)**

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

Dear Sir,

M/s _____ have been awarded the
work of _____ for Maharashtra Natural Gas Ltd.,
Pune vide Purchase Order No. _____ dated _____.

The Contracts conditions provide that the CONTRACTOR shall pay a sum of Rs.
_____ (Rupees _____)
as full Contract Performance Guarantee in the form therein mentioned. The form of
payment of Contract Performance Guarantee includes guarantee executed by
Nationalized Bank, undertaking full responsibility to indemnify Maharashtra Natural Gas
Ltd., in case of default.

The said _____ has
approached us and at their request and in consideration of the premises we having our
office at _____ have agreed to give such guarantee as
hereinafter mentioned.

1. We _____ hereby undertake and
agree with you that if default shall be made by M/s _____
_____ in performing any of the terms and conditions of the tender
or in payment of any money payable to Maharashtra Natural Gas Ltd. we shall on
demand pay without any recourse to the contractor to you in such manner as you
may direct the said amount of Rupees _____ only
or such portion thereof not exceeding the said sum as you may from time to time
require.
2. You will have the full liberty without reference to us and without affecting this
guarantee, postpone for any time or from time to time the exercise of any of the
powers and rights conferred on you under the contract with the said _____
_____ and to enforce or to forbear from endorsing
any powers or rights or by reason of time being given to the said
_____ which under law relating to the sureties would but
for provision have the effect of releasing us.
3. Your right to recover the said sum of
Rs. _____ (Rupees _____)



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- _____) from us in manner aforesaid will not be affected or suspended by reason of the fact that any dispute or disputes have been raised by the said M/s _____ and/ or that any dispute or disputes are pending before any officer, tribunal or court.
4. The guarantee herein contained shall not be determined or affected by the liquidation or winding up dissolution or changes of constitution or insolvency of the said but shall in all respects and for all purposes be binding and operative until payment of all money due to you in respect of such liabilities is paid.
 5. This guarantee shall be irrevocable and shall remain valid up to _____. If any further extension of this guarantee is required, the same shall be extended to such required period on receiving instruction from M/s _____ on _____ whose behalf this guarantee is issued.
 6. The Bank Guarantee's payment of an amount is payable on demand and in any case within 48 hours of the presentation of the letter of invocation of Bank Guarantee. Any dispute arising out of or in relation to the said Bank Guarantee shall be subject to the jurisdiction of Pune or High Court of Mumbai.
 7. We have power to issue this guarantee in your favor under Memorandum and Articles of Association and the undersigned has full power to do under the Power of Attorney dated _____ granted to him by the Bank.

Yours faithfully,

_____ Bank

By its Constituted Attorney

Signature of a person duly
authorized to sign on behalf
of the Bank.

INSTRUCTIONS FOR FURNISHING PERFORMANCE GUARANTEE

1. The Bank Guarantee by successful bidder(s) will be given on non-judicial stamp paper as per stamp duty applicable. The non-judicial stamp paper should be in name of the issuing bank. In case of foreign bank, the said bank guarantee to be issued by its correspondent bank in India on requisite non-judicial stamp paper and place of bid to be considered as Pune.
2. The bank guarantee by bidders will be given from bank as specified in ITB.




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3. A letter along SWIFT Statement from the issuing bank of the requisite Bank Guarantee confirming that said bank guarantee and all future communication relating to the Bank Guarantee shall be forwarded to Employer
4. All the Bank Guarantees should be submitted along with SWIFT message against this tender.

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Form F-18

**FORMAT FOR CERTIFICATE FROM BANK
IF BIDDER'S WORKING CAPITAL IS INADEQUATE/NEGATIVE**
(To be provided on Bank's letter head)

Date:

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

Dear Sir,

This is to certify that M/s (Name of the bidder with address)
(Hereinafter referred to as Customer) is an existing customer of our Bank.

The Customer has informed that they wish to bid for MNGL's Tender no.
..... Dated for (Name
of the supply/work/services/consultancy) and as per the terms of the said Tender they
have to furnish a certificate from their Bank confirming the availability of line of credit.

Accordingly M/s (Name of the Bank with address) confirms
availability of line of credit to M/s (Name of the bidder) for at least an
amount of Rs. _____

It is also confirmed that the net worth of the Bank is more than Rs.100 Crores (or
Equivalent USD) and the undersigned is authorized to issue this certificate.

Yours truly


For (Name & address of Bank)

(Authorized signatory)

Name of the signatory:

Designation:

Stamp:

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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Form F-19
E-Banking Mandate Form
 (To be issued on vendor's letter head)

1. Vendor/customer Name:
2. Vendor/customer Code:
3. Vendor /customer Address:
4. Vendor/customer e-mail id:
5. Particulars of bank account
 - a) Name of Bank
 - b) Name of branch
 - c) Branch code:
 - d) Address:
 - e) Telephone number:
 - f) Type of account (current/saving etc.)
 - g) Account Number:
 - h) RTGS IFSC code of the bank branch
 - i) NEFT IFSC code of the bank branch
 - j) 9-digit MICR code

I/We hereby authorize MNGL to release any amount due to me/us in the bank account as mentioned above. I/We hereby declare that the particulars given above are correct and complete. If the transaction is delayed or lost because of incomplete or incorrect information, we would not hold the MNGL responsible.


(Signature of vendor/customer)

BANK CERTIFICATE

We certify that ----- has an Account no. ----- with us and we confirm that the details given above are correct as per our records.

Bank stamp:

Date: (Signature of authorized officer of bank)

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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F – 20
[APPLICABLE FOR DOMESTIC TENDERS]
PACKING, MARKING AND SHIPPING INSTRUCTIONS

The Packing, Marking, Shipping and Documentation for Goods shall be as follows:

- a) The SUPPLIER shall provide such Packing of GOODS as is required to prevent their damage or deterioration during transit to their final destination as indicated in the CONTRACT. The Packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the GOODS final destination and the absence of heavy handling facilities at all points in transit.
- b) The packing, markings and documentation within and outside the packages, shall comply strictly with such special requirements as shall be expressly provided for in the documents.
- c) SUPPLIER shall comply with all applicable prescriptions in the specifications. Lack of relevant information and/or documents shall not absolve the SUPPLIER of his responsibilities.
- d) Supplier shall ensure that consignments destined for different project sites as detailed in Purchase Order are packed separately and marked clearly.

1.0 SPECIFICATIONS FOR GOODS BEING PROCURED INDIGENOUSLY

1.1 Packing

- 1.1.1 The packing specifications incorporated herein are supplementary to the internal and external packing methods and standards as per current general rules of IRCA Goods Tariff Part I. All packaging shall be done in such a manner as to reduce volume as much as possible. Fragile articles should be packed with special packing materials depending on the type of materials.
- 1.1.2 Items shipped in bundles must be securely tied with steel wire or strapping. Steel reinforcing rods, bars, pipes, structural members etc. shall be bundled in uniform lengths and the weight shall be within the breaking strength of the securing wire or strapping.
- 1.1.3 All delicate surface on equipment's/materials should be carefully protected and painted with protective paint/compound and wrapped to prevent rusting and damage.
- 1.1.4 All mechanical and electrical equipment and other heavy articles shall be securely fastened to the case bottom and shall be blocked and braced to avoid any displacement/shifting during transit.



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- 1.1.5 Attachments and spare parts of equipment and all small pieces shall be packed separately in wooden cases with adequate protection inside the case and wherever possible should be sent along with the main equipment. Each item shall be suitably tagged with identification of main equipment, item denomination and reference number of respective assembly drawing. Each item of steel structure and furnaces shall be identified with two erection markings with minimum lettering height of 15 mm. Such markings will be followed by the connection number in indelible ink/ paint. A copy of the packing list shall accompany the material in each package.
- 1.1.6 All protrusions shall be suitably protected by providing a cover comprising of a tightly bolted wooden disc on the flanges.
- 1.1.7 Wherever required, equipment/materials/instruments shall be enveloped in polythene bags containing silica gel or similar dehydrating compound.
- 1.1.8 All pipes and tubes of stainless steel, copper, etc., shall be packed in wooden case or crates irrespective of their size.
- 1.1.9 Pipes with threaded or flanged ends shall be protected with suitable caps/covers, before packing.
- 1.1.10 Detailed packing list in waterproof envelope shall be inserted in the package together with equipment/material. One copy of the detailed packing list, shall be fastened outside of the package in waterproof envelope and covered by metal cover.
- 1.1.11 The supplier shall be held liable for all damages or breakages to the goods due to the defective or insufficient packing as well as for corrosion due to insufficient protection.
- 1.1.12 Packaged equipment or material showing damage, defects or shortages resulting from improper packaging material or packing procedures or having concealed damage or shortages, at the time of unpacking, shall be to the supplier's account.

1.2 Marking

- 1.2.1 Each package shall be marked on three sides with proper paints/indelible waterproof ink as follows:

**(OWNER)
PROJECT
(DESTINATION)**

Purchase order No. _____
Net Wt. _____ Kgs.
Gross Wt. _____ Kgs.
Dimensions _____ X _____ X _____ CMS.


 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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Package No. (S. No. of total Packages) _____
Supplier's name _____


- 1.2.2 Additional marking such as 'HANDLE WITH CARE' 'THIS SIDE UP' 'FRAGILE' or any other additional indications for protection and safe handling shall be added depending on the type of material.
- 1.2.3 Specific marking with white paint for 'SLINGING' and 'CENTRE OF GRAVITY' should be provided for all heavy lifts weighing 5 Tones and above.
- 1.2.4 In case of bundles/bags or other packages, wherever marking cannot be stenciled, the same shall be embossed on metal or similar tag and wired securely at two convenient points.

1.3 Dispatch

- (a) Dispatch of materials shall be made in accordance with the relevant terms of the CONTRACT FORM. Any change in mode of transport shall be resorted to only after prior approval in writing. SUPPLIER shall ensure dispatch of GOODS immediately after they are inspected and released and shall intimate status of dispatch by fax to
- General Manager (C&P), MNGL, Pune
 - Respective consignee fax nos. at site (to be indicated in Purchase Order).
- (b) Dispatch by Road
- (i) The SUPPLIER shall be responsible for dispatch of materials through a reliable Bank approved transport company unless, the Transport Company is named by PURCHASER.
 - (ii) The SUPPLIER shall ensure with Transport Company the delivery of materials within a reasonable transit period. SUPPLIER shall also obtain from transporter particulars of Lorry Number, transporter's Challan Number, destination of Lorry (if transshipment is involved), Transporter's Agent at destination, if any, etc. and intimate same following: -
 - General Manager (C&P), MNGL, Pune
 - Respective consignee fax nos. at site (to be indicated in Purchase Order).
- (c) Shipment by Air
- Whenever SUPPLIER is instructed by the PURCHASER or its representative to airfreight any material, the SUPPLIER shall take prompt action for the same. Immediately after air shipment is effected, the SUPPLIER shall intimate by Fax the details of Airway Bill number and date, Flight number, number of packages etc. to the OWNER'S and PURCHASER'S authorities at destination Airport City. Details of MNGL's agents shall be intimated later.

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- (d) **Advance Information**
Immediately after a shipment is made SUPPLIER shall send advance information such as the particulars of materials, value, Purchase Order Number, date of dispatch, Railway receipt Wagon Number/ GOODS Consignment note number, Truck number, name of transport company and their destination Office/ Associate's address etc., by way of Fax to following:
- General Manager (C&P), MNGL, Pune
- Respective consignee fax nos. at site (to be indicated in Purchase Order).
- (e) **Transmission of Dispatch Documents**
SUPPLIER shall, within 48 hours of the dispatch of the GOODS depending upon the payment terms of the CONTRACT FORM either negotiate through PURCHASER'S Bankers or forward direct to PURCHASER at respective consignee address by Registered Post the following Documents in Original.
- (i) Two copies of the SUPPLIER invoice showing descriptions of the GOODS, Quantity, unit price and total amount.
 - (ii) Delivery Note/Railway Receipt/Truck Receipt.
 - (iii) Manufacturer's/Supplier's Guarantee Certificate
 - (iv) Inspection Certificate issued by the PURCHASER/CONSULTANT and/or its representative and the SUPPLIER'S factory inspection report. Copies of the above documents shall be sent to the following addresses:
- A M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045
Ph. No. – 020 25611000
Email – gasaid@mngl.in
- B Office In Charge
M/s. Maharashtra Natural Gas Ltd.,
Respective MNGL Site(s) address. (The Bidder shall request for add. 15 days in advance before dispatch)
- (f) The SUPPLIER shall be responsible for any delay in clearance of the Consignment at destination and consequent wharfage/demurrage, if any, due to delay in transmittal of the Lorry/Railway receipt Consignment Note, etc.

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FORMAT FOR TENDER ACCEPTANCE LETTER

(To be given on Company Letterhead)

Date:

To,
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune – 411045

Sub.: Acceptance of Terms & Conditions of Tender.

Tender Reference No.:

Name of Tender / Work.:

Dear Sir / Madam,

1. I/ We have downloaded/obtained the tender document(s) for the above-mentioned 'Tender/Work' from the website (s) namely: _____ as per your advertisement, given in the above-mentioned website(s).
2. I / We hereby certify that I/we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc.), which form part of the contract agreement and I/we shall abide hereby by the terms/conditions/clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organization too have also been taken into consideration while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of the above-mentioned tender document(s) / corrigendum(s) in its totality/entirety.
5. I / We do hereby declare that our Firm has not been put on Black / Holiday list by MNGL / MoP&NG / Oil Public Sector Enterprise(s).
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason thereof summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,
(Signature of the Bidder, with Official Seal)




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**SECTION – IV
BREIF AGREED TERMS & CONDITIONS**

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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BRIEF SUMMARY OF AGREED TERMS AND CONDITIONS

Following shall be duly filled in and should be returned by the bidder along with each copy of Unpriced Part of Bid / Offer:

Sl. No.	Description	Bidder's Confirmation
1	Bidder's details: a) Name b) Full address c) Tel. No. d) Fax No. e) E-mail f) State / UT where Registered Office of Company is located g) State / UT where Manufacturing Facilities of the Company is located h) Name and Designation of the person signing the Bid	
2	In case the bidder is not manufacturer: a) Name b) Full address c) Tel. No. d) Fax No. e) E-mail f) Name and Designation of the contact person	
3	The followings are to be enclosed along with the bid: a) Power of Authority of the person signing the bid b) Letter of Authority of the person attending the bid opening. c) In case bidder is not manufacturer: Letter of authority from the manufacturer that they will meet the commitment of the bidder and supply the material in time, as required.	
4	Indicate Country of origin of offered GOODS	
5	Indicate dispatch point (Place of dispatch)	
6	Bid Security Details: a) Name and Address of Issuing Bank: b) Security No. & Date: c) Value (Rs. _____) d) Validity (Valid Minimum for 6 (Six) months from the final date of submission of offer e) Details of Issuing Bank i) Name: ii) Full Address: iii) Tel. No.: iv) Fax. No.: v) E-mail: vi) Name & Designation of the contact person	

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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7	Validity of Bid: {Valid minimum for Four (4) months from the final date of submission of offer.}	
8	a) Please confirm that the scope of work is complete as per tender requirement.	
	b) If reply to (a) is 'No', have all 'Exception & Deviation' been furnished in the format attached with bid document.	
	c) Confirm there are no 'Exception & Deviation' other than those indicated as (b) above and if indicated in offer elsewhere the same shall be considered 'NULL & VOID'.	
9	Delivery Period / Completion Period: Confirm your acceptance of delivery period completion period as per requirement Specified in bid Document in 'Time Schedule' on FOT Project Site Basis to be reckoned from date of Purchase Order (PO).	
10	Currency of Offer:	
	a) Please indicate the currency in which the offer is submitted. (for foreign bidder US Dollar for foreign component and / or Indian Rupee).	
	b) For Domestic bidder in Indian Rupees c) Please confirm that currency once quoted shall not be permitted to be changed.	
11	Correspondence Language: a) Confirm that all correspondences will be in English language only.	
12	Price:	
	a) Ensure and confirm that unit prices Quoted in 'Price Schedule', (i.e. Schedule of Rates) on FOT Site Basis.	
	b) Confirm that price quoted are as per 'Price Format' given in tender document without any change.	
	c) Confirm that quoted prices will remain firm and fixed till complete execution of the order. Purchase Order (PO), placed within offer validity, shall be considered as 'Notification of Award of Contract'.	
	d) Confirm that the tender document is carefully studied & understood and have taken its full consideration in the quoted prices.	
	e) Confirm that Blank SOR submitted with un-priced part of the bid contains the followings	
	i) Each 'Cell' of the schedule has been marked "Quoted" or "Not Quoted" and none of the 'Cell' has been left blank. ii) All information on the top of the SOR or at the 'Note' of the SOR has been provided in totality.	
13	Spares (Article – 19 of GCC): Confirm that 2 years Spares if required in Bid Document, has been quoted on FOT Site and or FOB port of exit Basis and Freight charges have also been indicated separately.	




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14	Freight Charges: For Indian bidder -Ensure & confirm that firm freight charges up to Project Site has been quoted separately for each item in SOR.	
15	Transit Insurance and all other insurances: a) Transit Insurance and all other insurance shall not be arranged by the Purchaser. Confirm that Insurance charges have been included in Quoted Price.	
16	Goods & Service Tax (GST) for Indian bidders: Indicate rate of taxes & duties applicable, as quoted in price schedule a) Goods & Service Tax	
	b) Confirm that GST indicated above is what have been indicated in blanked SOR and also in Priced SOR submitted.	
	c) In case of Discrepancy, rate indicated here shall be considered for bid evaluation. However, order will be placed on the lower one. Difference will be borne and paid by bidder.	
17	Taxes & Duties for Indian bidders: All taxes, duties, levies, License fee etc. incurred until delivery of the contracted goods, shall be borne, and paid by the bidder. However, Goods & Service Tax on finished products shall be reimbursed by the Owner (limited to provisions in the quoted price as per bid document). The statutory variation in taxes & duties (payable on finished product) if any, within the contractual delivery period shall be to the Owner account. Further, variation in basic charge on Goods & Service Tax within contractual delivery schedule, shall be borne and paid by the Owner. (However, limited to provision in bid document).	
18	Goods & Service Tax for Indian bidders: a) Indicate present rate of terminal Goods & Service Tax (GST) applicable on the supplies and as quoted in price schedule. In case, Bid Document calls for Spares, (Mandatory/2 years) where, generally more than one rate of GST is applicable then such rates as considered in offer are to be indicated in the itemized Spare parts list.	
	b) If there is any variation in Goods & Service Tax at the time of supplies for any reason, other than statutory, including due to turnover, confirm the same will be borne by bidder.	
	c) It is noted and confirmed that statutory variation in GST within contractual delivery shall be to Owner's account.	
	d) If GST is presently not applicable, confirm whether the same will be borne by bidder in case it becomes leviable later.	
	e) In case (b) or (d) is not acceptable, indicate maximum rate of GST chargeable (same shall be considered by Owner for price	

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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	evaluation & comparison).	
19	<p>Price Reduction Schedule:</p> <p>a) Confirm acceptance of Price Reduction Schedule (PRS) as per clause 26 of GCC and modified as per SCC</p> <p>i) For delay in completion/ delivery beyond contractually agreed delivery schedule as specified in the Bid Document.</p> <p>ii) for deficiency in performance & services as per provision of Bid Document. The invoice shall be submitted for the amount duly reduced to the extent of PRS. Otherwise, purchaser / owner reserve right to deduct the same.</p>	
	b) Confirm in case of delay in delivery beyond CDD, any new or additional or increase in taxes and duties imposed after contractual delivery the same shall be to Bidder's account.	
20	<p>Terms of Payment as specified in Special conditions of Contracts:</p> <p>a) Confirm acceptance of terms of payment.</p> <p>b) It is noted and confirmed that deviations to 'Terms & Conditions of Payment' may lead to rejection of offer, as Owner considers fit.</p> <p>c) All the Deviation have been indicated in 'Exception & Deviation' format (including annexure, if any) and have not been repeated in the bid/offer and if repeated, the same shall be considered " Null & Void"</p>	
21	<p>Guarantee / Warranty:</p> <p>Confirm that the GOODS shall be guaranteed against defective materials/workmanship, etc., for a period of 24 months from the last Shipment or 12 months from the commissioning date, whichever is earlier, as per Guarantee/warranty conditions of Bid Document.</p>	
22	<p>Contract-cum-Performance BG:</p> <p>Confirm that Contract-cum-Equipment-Performance Bank Guarantee (CPBG) for 10% of Purchase Order Value shall be furnished as per provision of bid document, valid for 3 months beyond the expiry of Guarantee/Warranty or Defect Liability period, as applicable as per terms of Bid Document.</p>	
23	<p>Inspection (Article – 13 of GCC):</p> <p>a) Confirm acceptance to inspection requirement as per Bid Document.</p> <p>b) As inspection & certification of all goods may also be conducted by OWNER. Confirm there shall be no extra charges, since all personal & incidental expenses of Owner's Inspectors shall be borne by the Owner.</p>	
24	<p>Part order:</p> <p>Confirm acceptance to PART ORDER. In case of part ordering any value of part ordering, charges if quoted lumpsum and/or applicable to more than one item, shall be prorated on value</p>	

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	basis.	
25	<p>Quantity Variation: PURCHASER reserves the right at the time of award of ORDER to increase or decrease by up to 20% the quantity of GOODS specified in the Material Requisition, without any change in unit price or other terms and conditions. Variation beyond this limit will be subject to mutual agreement between the PURCHASER and the Seller.</p>	
26	<p>Advance Payment: Please note that No Advance payment shall be made by Purchaser / Owner</p>	
27	<p>MISCELLANEOUS: a) Confirm that all Bank charges associated with Bidder's Bank shall be borne by Bidder. b) Confirm that all documents, as per Article -10 of ITB 'Documents comprising after by Bidder', have been enclosed. c) Confirm that owner reserves the right to make any change in the terms & conditions of the Bid Document and to reject any or all bids including those received late or incomplete.</p>	
28	<p>Declaration by Bidder: a) Confirm acceptance in toto of the Terms & Conditions contained in the bid document. Deviation, if any, have been listed in 'Exception & Deviation' format. b) Confirmed that all the terms & conditions have been indicated in this format (including annexure, if any) and have not been repeated in the bid elsewhere. It is noted and confirmed that Terms & Conditions indicated elsewhere including any Printed Terms & Conditions, shall not be considered by Owner. c) Confirm that any of the Directors of bidder is not a relative of any Director of Owner or the Bidder is a firm in which any Director of Owner or his relative is a partner or the Bidder is a private company in which any Director of Owner is a member or Director. d) Confirm that you have not been put on Black / Holiday list by MNGL / MoP&NG / Oil Public Sector Enterprise(s). If you have been banned delisted, then this fact must be clearly stated. e) Confirm that bidder is not under litigation including arbitration for 20 years i) If answer is No than confirm that complete details of litigation and / or arbitration have been furnished in the offer.</p>	

Bidder Signature:
Name:
Designation & Stamp:



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VOLUME II OF II

C O N T E N T

Sl. No.	Description
SECTION - V	SPECIAL CONDITIONS OF CONTRACT (SCC)
SECTION - VI	SCOPE OF WORK
SECTION - VII	UNPRICED SCHEDULE OF RATES


 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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SECTION - V

SPECIAL CONDITIONS OF CONTRACT (SCC)

C O N T E N T

- 1.0 SCOPE OF SUPPLY
- 2.0 QUALITY ASSURANCE / QUALITY CONTROL
- 3.0 QUANTITY VARIATION
- 4.0 DISPATCH INSTRUCTIONS
- 5.0 INSPECTION
- 6.0 REJECTION
- 7.0 DELIVERY SCHEDULE
- 8.0 TERMS OF PAYMENTS
- 9.0 PRICE REDUCTION SCHEDULE
- 10.0 REPEAT ORDER
- 11.0 GENERAL INFORMATION – CONSIGNEE ADDRESS, PAYING AUTHORITY, ETC.

 <p>MAHARASHTRA NATURAL GAS LIMITED</p>	<p>Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA.</p> <p>Bid Doc. No. MNGL/CP/2025-26/132</p>
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SECTION - V SPECIAL CONDITIONS OF CONTRACT (SCC)

The following articles shall supplement the Instructions to Bidders and General Conditions of Contract (GCC). In case any conflict between General Conditions of Contract and Special Conditions of Contract, the latter shall prevail to the extent applicable.

1. SCOPE OF SUPPLY / WORK:

The scope of supply shall be as given in Section-VI of Volume II.

2. QUALITY ASSURANCE / QUALITY CONTROL:

2.1 The supplier shall prepare a detailed Quality Assurance Plan for the execution of Contract for various facilities, which will be mutually discussed and agreed to.

2.2 The supplier shall establish document and maintain an effective quality assurance system outlined in the recognized code.

2.3 The Purchaser, while agreeing to a Quality Assurance Plan shall mark the stages where they would like to witness the tests; and review any or all stages of work at shop/site as deemed necessary for quality assurance.

3. QUANTITY VARIATION:

The tendered quantity may vary depending upon the project requirement. MNGL reserves the right to decrease/increase the quantity of any SOR item subject to the overall ceiling of contract value depending upon its requirement.

Quantities indicated in the tender / ARC are as per our projected requirement. MNGL cannot assure any firm commitment for procurement of entire quantities in the tender / ARC. After the issue of ARC, Delivery Order (DO) shall be placed for each & every requirement.


4. DISPATCH INSTRUCTIONS:

4.1 Seller shall obtain dispatch clearance from the Purchaser prior to each dispatch.

4.2 Copy of Inspection Release Certificate, Dispatch Clearance and Statement showing the name of the Vessel / Trailers, description and weight of the material and shipping marks etc. to be submitted along with the documents.

5. INSPECTION:

Maharashtra Natural Gas Ltd. (MNGL) reserves the right to engage their own personnel and or MNGL's inspection agency. All the charges towards all kinds of tests shall be included in the quoted rates. No additional payment to this effect will be made. The charges towards MNGL's Inspection Agency, if engaged, shall be borne by MNGL.

 MAHARASHTRA NATURAL GAS LIMITED	Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA. Bid Doc. No. MNGL/CP/2025-26/132
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6. REJECTION:

6.1 Any materials/goods covered under scope of supply, which during the process of inspection by an appointed third party, at any stage of manufacture/fabrication and subsequent stages, prior to dispatch is found not conforming to the requirements/specifications of the Purchase Requisition / Order, shall be liable for immediate rejection.

6.2 Supplier shall be responsible and liable for immediate replacement of such material with acceptable material at no extra cost or impact on the delivery schedule to EMPLOYER.

7. DELIVERY SCHEDULE:


SCHEDULE FOR SUPPLY:

Delivery order shall be released by MNGL in quantities required as per our target and plan. The bidder should agree to supply the quantity mentioned in the delivery order as per the time schedule as under:

Sl. No.	Item Description	Completion Schedule
1	1 MMSCMD Capacity Pressure Reduction Skid (PRS) in 1w+1s configuration with each stream of PRS comprised of Dry Gas Filtration 1w+1s, Pressure Reduction system 1w+1s , vents, piping, valves, flanges & fittings, etc. PRS Equipment: Inlet: 10" X 600# Outlet: 10" X 600# Process Data: Product: Natural Gas Flow : 1 MMSCMD Design Pressure (DP): 98Kg/cm2g (600#) Design Temperature (DT): -29°C to +65°C Inlet Pressure(Min. & Max.) : 50 to 98 Kg/cm2g Outlet Pressure (Min.&Max.) : 45 to 49 Kg/cm2g	The delivery period including installation & commissioning for the above skid shall be Within 12 (Twelve) weeks from the date of written intimation / Delivery Order by MNGL.

Date of Delivery: The date of receipt of material at MNGL Stores shall be taken as the date of delivery.

Note: Dispatch details shall be provided at the time of dispatch.

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8. PAYMENT TERMS:

The terms of payment shall be as follows:

For Indian Bidders Only:

85% + 15% payment as mentioned in Section-VI of Volume II within 45 days from receipt of goods at the site, along with the following dispatch documents.

- i) Cen-vatable Invoice in triplicate
- ii) Inspection Release note by Owner or his appointed or approved agency.
- iii) GR / LR
- iv) Packing List
- v) A certificate from manufacturer that 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.
- vi) Performance Bank Guarantee(s) of 10% of Purchase Order Value. If already submitted, a copy of the same.
- vii) Document related to CENVAT credit to be claimed by Owner, if applicable.
- viii) Documents as specified in the Technical Specifications / Material Requisitions, Vol. II of II of the Bid Document.


9. PRICE REDUCTION SCHEDULE:

The supplier agrees that time of supply of Stores / Works shall be of the essence of the Contract. If the supplier fails to supply Stores / Works within the respective scheduled / fixed date for supply, Company may without prejudice to any other right or remedy available to the Company:

- a. Recover from the supplier as certain and agreed, genuine pre-estimate price reduction and not by way of penalty, a sum equivalent to ½% per week or part thereof for each week's delay, prorated for part thereof beyond the scheduled supply date each subject to maximum of 10% of Purchase Order Value, even though the Company may accept delay in supply after the expiry of the scheduled supply date.
- b. Arrange to get supply from elsewhere on account and at the risk of the Supplier, such decision of the company being final and binding on the supplier.

OR

- c. Terminate the contract or a portion of the supply work thereof, and if so desired, arrange for the supply in default by the supplier to be attained from elsewhere at the risk and cost of the supplier.

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10. REPEAT ORDER:

MNGL reserves the right to place a repeat order within 6 months from the date of purchase order up to 50% of purchase order value on same rates, terms, and conditions.

11. GENERAL INFORMATION RELATING TO CONSIGNEE ADDRESS, BANKER'S NAME, PAYING AUTHORITY, INSURANCE AGENT, ETC.:

- **Location & Address of project Consignee:**
M/s. Maharashtra Natural Gas Ltd.,
Pride Purple Coronet, 2nd Floor,
Baner Road, Baner, Pune - 411045
- **Address of Stores at Nanded:**
M/s. Maharashtra Natural Gas Ltd.,
C/o. site at Survey no 123 NH 361
Nanded Latur Road Near Sai Baba Mandir
Dhangharwadi District Nanded - 431606
- **Name & Address of the Bankers:**
State Bank of India,
Industrial Finance Branch,
Tara Chambers, Pune Mumbai Road,
Wakdewadi, Shivajinagar, Pune-411003
- **GST Number for Maharashtra:** 27AAECM5536G1ZF
- **Paying Authority: CFO**
M/s. Maharashtra Natural Gas Ltd.
Pride Purple Coronet, 3rd Floor,
Baner Road, Baner, Pune – 411045
- **Name & Address of consignee for import at seaport/ airport of entry:**
Mumbai
- **Whether Certificate for availing concessional project rate of custom duty will be given:** No
- **Name & Address of insurance agency:**
To be intimated at the time of placement of PO.
- **Mode of Payment:** A/C Payee Cheque / NEFT
- **Preferred mode of dispatch:**
Imports: Sea
Domestic: By Road
- **Inspection agency for indigenous items:** MNGL / Third-party inspection agency appointed by MNGL.

SECTION – VI

SCOPE OF WORK

1.0 GENERAL

- 1.1 MNGL intends to Install Pressure Regulating Skid Suitable for handling natural gas service, complete in all respects and ready for operation at GAIL's IP4 Shahapur, Nanded GA.

This document describes in detail the scope of work, scope of supply and responsibilities of bidder for installation of pressure regulating system for MNGL. The system envisaged in this project, shall be installed at GAIL's IP4 Shahapur, Nanded GA, where MNGL will be receiving Gas from GAIL.

The scope of work/ supply includes Design, Engineering, Manufacturing, Inspection, Testing, assembly, Erection, Installation & commissioning of Pressure Regulating Skid System suitable for handling natural gas service, complete in all respects and ready for operation as indicated in the typical P&ID. The typical P&ID is attached for reference purpose in the tender, the bidder has to envisage line sizing and required instruments and get the same approved from MNGL during detail engineering. The details mentioned in tender are tentative. Hence it is advisable to visit the site for better estimation before bid submission.

The Required capacity, Pressure Rating, Quantity and Location of the Pressure Regulating Skid is as under:

Item No.	Max. Flow Capacity of Metering Systems	Location	Pressure Rating		Qty. (Nos.)
			Inlet	Outlet	
1.	1 MMSCMD Capacity Pressure Reduction Skid (PRS) in 1w+1s configuration with each stream of PRS comprised of Dry Gas Filtration 1w+1s, Pressure Reduction system 1w+1s , vents, piping, valves, flanges & fittings, etc. PRS Equipment: Inlet: 10" X 600# Outlet: 10" X 600# Process Data: Product: Natural Gas Flow : 1 MMSCMD Design Pressure (DP): 98 Kg/cm2g Design Temperature (DT): -29°C to +65°C Inlet Pressure(Min. & Max.) : 50 to 98 Kg/cm2g Outlet Pressure (Min.&Max.) : 45 to 49 Kg/cm2g	At GAIL's IP4 Shahapur , Nanded GA	600 #	600 #	01

Delivery Period: The delivery period including installation & commissioning for the above skid shall be Within 12 (Twelve) weeks from the date of written intimation / Delivery Order by MNGL.

Repair & Maintenance Services: Vendor shall provide warranty period for 1 year for the system to be counted after commissioning of skid and during the warranty period, vendor shall provide on-site repair & maintenance services which includes supply of all the spares required for attending the supplied system without any extra cost implication to MNGL.

- 1.2 The description and requirements contained in this specification are concise by necessity and cannot include all the details. However, **it is the responsibility of the bidder to execute the job on a LSTK basis in accordance with the specifications and internationally recognized good engineering practices.**
- 1.3 Any instrumentation, impulse tubing, sensing lines, local indicators, or associated accessories, if required for safe, reliable, and statutory-compliant operation shall be deemed to be included in the bidder's scope, at no extra cost to MNGL.
- 1.4 Any activity specifically not listed in this document, does not absolve the bidder of their responsibility to include such activities in their scope of work and supply, which otherwise is necessary, to complete instrumentation work for the project. All such activities shall be carried out by the bidder without any time / cost implication to MNGL.
- 1.5 **In the event of any conflict between these specifications, related standards and codes, any other attachment to this package, the bidder shall follow the following documents in the order of their priority:**

a) Job Specifications for PRS package

b) Data Sheets and Typical P&ID

c) Standard specifications and standards

In case of any conflict in various documents, same shall be referred to MNGL for clarification. Bidder shall not proceed without getting written approval in such a case.

2.0 SCOPE OF WORK & RESPONSIBILITY of BIDDER

2.1 SCOPE OF WORK

- 2.1.1 General: Bidder shall be responsible for execution of the package on turnkey basis with scope of work as listed below but not limited to the following:
 1. Design and Engineering
 2. Integration/Assembly/Procurement/ Supply, Inspection, Factory testing and Acceptance.
 3. Erection, Installation, field calibration/ testing and commissioning.
- 2.1.2 **Design and Engineering:**
 - (a) Owner shall provide the bidder with this bid package consisting of typical Piping & Instrumentation Diagrams and process data sheets. The bidder shall be responsible to carry out the design and detailed engineering based on the data provided in the bid package and in line with other technical requirements specified elsewhere in this document. Scope shall also include sizing and sizing verification for all items including where data is dependent upon detailed engineering, detailing of basic engineering designs, preparation of data sheets, coordination drawings for instruments and system oriented items, engineering drawings etc. The bidder should furnish the 3 D model of the typical

GAD drawing before the execution of work at site for approval from MNGL.

(b) Residual Engineering

The bidder shall also be responsible for carrying out any residual basic engineering necessary for proceeding with detailed engineering like equipment/ instrument sizing, utility consumption, specifying derived data in process data sheets, type and material selection of instruments/ equipment's wherever required.

(c) Control Room Engineering:

Control Room Engineering shall include preparation of control philosophy and system architecture for monitoring and operation of facilities. The scope shall cover identification and specification of control and monitoring requirements, alarm and event philosophy, and HMI requirements, wherever applicable. It shall also include interface engineering between field systems and the control room, including communication and power interfaces. Preparation of control room-related drawings, system architecture diagrams, and technical documentation shall form part of the scope. Engineering support during FAT, SAT, and commissioning activities related to control room systems shall be included. Operator training and handover documentation shall also be part of the Control Room Engineering scope.

(d) Engineering Drawings & Documents

i) Contactor Data Requirements attached in Annexure-I indicate the list of drawings and documents required to be supplied by the bidder, as a minimum. Bidder to note that list specifies only the major deliverables. Documents and drawings not listed but necessary for proper engineering, construction, operation and maintenance shall also be prepared by the bidder.

ii) Bidder shall be responsible for preparation of all engineering drawings and documents including those necessary for construction like instrument index, tray layouts, location plans, cable schedules, installation standards, bill of material etc.

iii) Bidder shall also be responsible for providing all drawings and documents for package/ sub package units.

iv) It is expected that bidder utilizes uniform data sheet formats enclosed along with this document, for preparing specifications for various instruments, including those, which are being prepared by package/ sub package vendors. Items for which no format has been attached with the document, bidder may use standard ISA formats. Use of manufacturer standard formats shall be avoided.

v) The bidder shall supply all the documents in both hard copy and magnetic media. This includes all the documentation including those for package units.

(e) The design and engineering work shall also include review of post-order vendor drawings and documents for all instruments and system oriented items.

Following methodology must be followed for drawings and documents being forwarded to MNGL.

- i) The Bidder shall thoroughly review and approve vendor drawings for all instruments including sub-package items, before forwarding to MNGL. Only the approved drawings duly stamped and signed by a competent representative/ engineer of Bidder shall be forwarded.
 - ii) The Bidder shall be responsible for all System Engineering documents for the Pressure Regulating Skid. This shall include all related documents such Functional design specifications, sizing calculations, pressure drop calculation etc. and Engineering documents such as functional loop schematics, instrument details and cable schedule, Power supply distribution schemes, procedures (FAT, SAT, etc.), etc. These documents shall be reviewed and approved by Bidder based on philosophy specified/ agreed for the engineering before forwarding to MNGL.
 - iii) All multidisciplinary fabrication and construction drawings shall be reviewed and signed by bidder's respective departmental representatives before forwarding to MNGL for review/ approval/record.
- f) Bidder shall be fully responsible for co-coordinating with all agencies concerned to ensure proper, uniform and smooth engineering. This shall include coordination with:
 - i) All individual item suppliers for uniformity in engineering and documentation supplied by them including P&ID's, instrument specifications, installation standards etc. and obtaining all requisite drawing and documents for review, record and final documentation.
 - ii) All instrument item suppliers including suppliers/ manufacturers of various system oriented items.
 - iii) Bidder's own inter-departmental coordination with departments like mechanical, piping, electrical, QC etc. This shall include furnishing all necessary engineering data in the form of drawings & documents and review of drawings & data supplied by other departments.
- g) Bidder shall be responsible for preparation & submitting of all As-Built drawing / documents in hard & soft including
 - i) All P&IDs and GADs
 - ii) All Datasheets, specifications of instruments.

iii) All Purchase documents.

iv) All System documents including hardware and software documentation.

2.1.3 Procurement/ Supply, Factory testing and Acceptance

- a) Engineering for procurement shall include preparation of various material requisitions which shall include process data sheets, typical data sheets for instruments, instrument standard specifications, special requirements etc., evaluation of offers received from various manufacturers/vendors, preparation of Technical Bid Analysis, preparation of purchase requisition and review/ approval of vendor drawings, incorporation of MNGL comments.
- b) All Instrument items of system shall be procured from reputed vendors having proven track records. MNGL shall reserve the right to reject any instrument or system if the bidder fails to submit proper credentials of the OEM/vendor as specified above. In that case, bidder has to replace the said instrument with reputed make.
- c) Bidder shall prepare purchase requisitions for all instruments/ systems which shall consist of a consolidated purchase document including all purchase specifications including data sheets, special instructions/ requirements (if any), standard specifications/ purchase specifications, testing requirements, quality requirements etc. All purchase requisitions shall be furnished to MNGL for information/ review/ approval as applicable.
- d) Testing & calibration of all instruments, Factory Acceptance Test (FAT) and Site acceptance Test (SAT) shall be carried out by the bidder. Range/ calibration span, set points, reports etc. shall be modified as per MNGL's requirement by the bidder during FAT and SAT. MNGL / its representative shall witness testing of any or all items at various stages during manufacture and/or at final stage before shipment at their discretion. Testing shall be carried out as per approved procedures. No instrument shall leave manufacturer's works without factory acceptance test. All necessary changes shall be incorporated/ implemented as suggested by MNGL during FAT/ SAT etc. As build drawing/ documentation to be submitted by the bidder shall contain all such changes.

2.1.4 Installation, Field Calibration/ Testing and Commissioning

- a) Installation inside the System
 - i) Bidder shall carryout installation of all instruments in the System as described in standard specification for instrumentation work described elsewhere in this document. Installation shall include but not limited to

installation of all field instruments, installation System assemblies explained in this package, installation of junction boxes, interconnection between instruments and junction boxes, fabrication, laying and painting of cable trays, laying of all single pair and multi pair cables in the System, JB earthing / grounding, Field Instruments/ signal earthing / Grounding, tagging, ferruling, cable glanding and pair/ core identification of all field cables.

- ii) Distribution of power to various instruments in the System from single point in the System. Separate JB is required for different type of signals and also for power to field instruments (Power supply Field Instruments shall be in separate JBs).
 - iii) Installation shall be carried out as per MNGL standards or as recommended in the tender. For special instruments, the installation may be carried out as per vendor/ manufacturer's recommendations however all such installation standards shall be subject to MNGL's review.
 - iv) Bidder's scope of supply/ work shall include required numbers of maintenance free earthing cable/ strips (as applicable) etc. (along with cable tray with supports for installation) in the System/ JB/ control room, as per the requirements of various instruments.
 - v) Due to limitations in transportation of the System, the System has to be transported to site in different modules. Individual modules shall be so designed that there are no / minimum cabling interconnections between various modules and such interconnections if any shall be in the bidder's scope.
- b) Bidder shall quote for Lum Sum rate for services as per Scope defined in Annexure I for Dismantling, erection installation and commissioning & transportation, unloading of the complete Systems. The quoted rates for installation site services shall be valid for 10 months from date of issuance of FOI/PO. Bidder shall depute qualified and competent person for installation / commissioning and rates shall be inclusive of transit insurance upto the installation at site.
- C) Testing & Calibration
- Bidder scope of work includes testing of all items and systems including impulse lines, pneumatic signal tubes and instrument cables and special instruments/ items if any. Bidder shall also carryout testing and calibration of all instruments as per the requirements specified elsewhere in tender document. Testing and calibration of whole system shall be as

described elsewhere in the document.

d) **Commissioning**

It is the responsibility of Bidder to co-ordinate and make available the services of vendors/ sub-vendors for PRS system package etc. and other special instruments/ equipment's like Gas flow meters, integration with existing Flow computers/ metering supervisory system during installation, testing, FAT, Site acceptance, startup/ commissioning of the station. The bidder shall provide assistance to MNGL during commissioning without any additional cost condition/ pre-requisite. It is the responsibility of the vendor to get the certification from MNGL site Engineer. Installation of all the loose supplied items, its interconnection etc. shall be in the scope of supplier. In case of any dispute / conflict arising due to difference in opinion/ interpretation, the interpretation of MNGL / its representative shall be considered final.

2.1.5 SCOPE OF SUPPLY

Supply of all items as indicated on the typical Piping & Instrumentation diagrams (P&ID) and other technical documents attached with this document.

The scope of supply shall include but not limited to the following as a minimum:

- a) Pressure Regulating System package (including software program), in all respect as per P&IDs, Process data sheets & as described in Job specification for Gas metering system package.
- b) All field instruments such as Pressure Transmitters, Temperature Transmitters & RTDs and isolation valves as applicable.
- c) All installation and erection materials such as impulse piping, pipe fittings and valves, tubing, tube fittings, cable tray and supports, foundation bolts of the System, gaskets, companion flanges for inlet and outlet of the System, all type of consumables and accessories for mounting of instruments, instrument supports, tray supports, canopies/ sunshields for all field mounted instruments.
- e) Supply & Laying of all the cable required between fields to Control room & electrical room will be in bidder's scope. The bidder may visit the site & estimate the actual distance.
- f) Perforated tray, angle tray, accessories required for cable laying and routing up to the control room through cable trench etc. will be in bidder's scope.

- g) Junction boxes and cable glands (as per the requirement of area classification) for different types of signals such as intrinsically safe and non-intrinsically safe 4- 20 mA dc, alarm, power etc. should be supplied and mounted/ installed in System. Preferably, all JB's shall be mounted in System at height of 1.3 meter from ground/ finished floor level/ System base frame and accessible / approachable from outside. JB's shall not to be installed inside System.
- h) Painting of pipes, equipment's, instruments, platforms, jump-overs/ crossovers, as required; in line with the painting specifications attached elsewhere in this document.
- i) Galvanized copper earthing strip and earthing cables for maintenance free earthing of all instrumentation items including junction boxes etc. to instrument earthing system. (Supply of earthing strip / cable is in bidder's scope. Making of earth pit (if required) and laying of earthing cable/ strips is also in bidder's scope.
- j) Suitable cabinet for custody transfer field instruments for environmental effect protection with a provision of locking. Any other erection material necessary for installation and commissioning of special instruments, if any.
- k) Platforms & cross-over(s) / jump-over(s) to be provided for the operation and maintenance of the equipment's/ instruments/ JB's installed in the System. Proper spacing to be maintained between the equipment's for operation & maintenance. All flanges shall be connected through flexible jumpers of Minimum 3 mm thickness and 20 mm wide copper strips.
- l) Special tools/ tackles including extractor tool is in bidders scope.
- m) All the software used in the system and as specified elsewhere, shall be licensed in the name of MNGL.
- o) Drawings and documents as listed elsewhere.
- p) All pipes, tubing, fittings, valves, gaskets, bolts, nuts, spades, etc., within the System battery limit.
- q) A structural System complete with necessary drip pan, walkways, staircase, platforms, gratings, handrails for access for operation and maintenance.
- r) Lifting lugs and spreader beam / frame, foundation Anchor bolts for the System.
- s) Stainless steel nameplate for each System, each tagged equipment and component.
- t) All Tie-ins (flanged connections) with nuts and bolts.

- u) Inlet and Outlet matching flanges and Studs & nuts shall also be supplied along- with the System.
- v) Operation and maintenance manual, for instruments/ equipment's, as built drawing/ documentation.

AREA CLASSIFICATION

The PRS skid shall be installed outdoors and shall be suitable for installation in Zone 1 Gas Group IIA / II B Temp Class T3 hazardous area. The electronic equipment installed shall be certified by a recognized certifying authority in the country of origin or by an internationally recognized certifying authority and approved by the local authorities. The electronic equipment shall be suitable for continuous operation in the designated hazardous area. Intrinsically Safe (IS) shall be the preferred mode of protection for all instruments. Only where IS certified instruments are not available flameproof EEx 'd' certified instruments shall be considered. The junction boxes shall be certified as increased safety (EExe). Conduit connection shall not be used. Intrinsic Safety (IS) protection shall be achieved by providing Fused Galvanic Isolators with status indicating LEDs, located in the respective Metering Panels/ cabinets in the control room/ local equipment room in a safe area.

2.2 Further Scope of Work and supply:

- i) Vendor scope includes Design, Engineering, Manufacturing, Inspection, Testing, supply, Transportation, Installation & commissioning of complete work of pressure regulating skid Systems , Pressure Instruments, Temperature Instruments, complete integrated field instruments, piping, fittings and valves in a System.
- ii) The Pressure Reduction Skid (PRS) shall be designed for a capacity of 1 MMSCMD and shall be provided in 1W + 1S (One Working + One Standby) configuration. Each PRS stream shall comprise Dry Gas Filtration (1W + 1S), Pressure Reduction System (1W + 1S), along with associated vents, piping, valves, flanges, fittings, and all necessary accessories to ensure safe, continuous, and reliable operation.
- iii) The PRS shall be a complete, skid-mounted package, engineered, manufactured, tested, and supplied in accordance with applicable codes, standards, and statutory requirements. The vendor's scope of work shall include the supply of all PRS equipment and components, including isolation valves and field instruments, required for proper operation of the system.
- iv) The scope of supply as a minimum and as shown on the P & I D shall include, but not limited to the following:
 - a) System mounted field instruments like Pressure & Temperature transmitters, temperature elements & thermos wells shall be supplied along-with the System.
 - b) The stream impulse tubing of Pressure transmitter, thermo-well etc. shall be completely insulated to ensure an even heat transfer throughout the meter run when subjected to ambient environment.
 - c) The custody transfer equipment's at field like transmitters (pressure & temperature) shall be installed in an environmental enclosure to minimize the effects of ambient temperature variations and shall be lockable for prevention of unauthorized data entry. The size of the cabinet shall be suitable for removing and fixing of transmitters for ease of maintenance. The transmitters shall be fixed in mounting brackets

inside the cabinet. The cabinet shall be mounted and fixed on the System.

- d) Supplies of all pipes, fittings, valves, gaskets, bolts, nuts, spades, etc., within the System battery limit are in bidder's scope. Supply of all tubing and fittings, pipes, pipe fittings etc. within the System are in bidder's scope.
- e) All cables (including earthing cable), cable trays, earthing strips for grounding/ earthing of System and wiring within the System; and from System to metering control panel (Only approved, standard armored cable to be considered for this project). All Interconnecting cables between System Instrument/ Junction box to metering control panel and inside control panel (to be located in Local equipment room in safe area). Bidder to supply required mounting accessories for Cabling, tray work etc.
- f) Junction boxes (as per the requirement of area classification) for power, signal, alarm, instrument and control cables with suitable cable glands are in bidder's scope.
- g) A structural System complete with necessary drip pan, walkways, staircase, platforms, crossover, gratings, handrails for access for operation and maintenance are in bidder's scope. Details of System assembly, supporting positions, Anchor bolt layout and equipment weights foundation drawings to be provided prior to equipment supply;
- h) Lifting lugs and spreader beam / frame, foundation Anchor bolts, copper

jumpers for flanges for the System, Stainless steel nameplate for each tagged equipment and component; All Tie-ins with flanged connections shall be in bidder's scope. Earth bonding system and earthing boss for metering System are in bidder's scope.

- i) Inlet and Outlet matching flanges (if required) and Studs & nuts (for System interconnection and Inlet & Outlet piping connection), suitable Gaskets shall also be supplied along-with the System.
 - j) The sun/ rain protection shed for electronic instruments shall also be supplied by the bidder.
 - k) The Vendor's scope of work shall also include:
 - a. Inspection and testing of all components, sub-assemblies, and complete assemblies of items manufactured at Vendor's works, and other sub- vendor's works in accordance with approved QA/QC procedure;
 - b. Shop assembly and hydro-test;
 - c. Factory Acceptance Test (FAT) for the complete package at VENDOR's works as per approved FAT procedure in presence of 2 MNGL officials.
 - d. Dismantling of existing piping erection, Installation, start-up and commissioning of the complete package at site. Site acceptance test (SAT) for the complete System as per approved SAT procedure.
 - e. Preparation for shipment, packing and delivery, unloading of all packages, equipment and material to site.
 - f. Installation of complete System & Start-up and commissioning assistance at site.
 - g. Preparation and submission of all documents as per requisition with the bid and after award of contract.
 - h. Preparation and submission Final Documentation / Completion files as per this specification. Four copy (hard copy and soft copy) shall be submitted along with the complete system at stores / site.
- 2.1.1 Any work not specifically mentioned but otherwise required, as per statutory rules/ codes and standards/ specifications and/or for the completion and operation of equipment to the entire satisfaction of MNGL must be done by the VENDOR without any commercial implications to MNGL.

- 2.1.2 The scope of work also includes the mechanical and structural detailed design of the System, procurement of materials, preparation of fabrication drawings, detailing of internals, fabrication, inspection and testing of the piping and structural items at fabrication shop, painting, internal coating if any, preservation, loading, unloading at site / stores transportation and undertaking Guarantee for the equipment.
- 2.1.3 The scope of supply of PRS System also includes commissioning & mandatory spares mentioned elsewhere.
- 2.1.4 The VENDOR shall assume single point responsibility for all aspects of the work. This shall include timely completion, liaison with VENDOR, liaison with VENDOR of specified items, co-ordination of the work, quality and guarantee for the equipment.
- 2.1.5 Where parts of the package are subcontracted and purchased by the VENDOR, these become part of the VENDOR's package and it is the VENDOR's responsibility to ensure that the complete package complies with the specifications, codes and standards and statutory regulations.
- 2.1.6 The VENDOR shall be responsible for obtaining necessary approvals, authorization and certification from local Government / Local Statutory bodies, Authorized Inspector and Third-Party Inspection Agency as applicable. Also, bidder to ensure for preparing & approving the amended drawing of station drawing from PESO. Wherein, statutory application, paperwork and payments will be borne by MNGL.
- 2.1.7 The equipment shall be suitable for the site conditions specified. All components/ consumables used shall be new and of current manufacture vendor to provide self-attested certificate for the same.
- 2.1.8 In the event of any conflict between this specifications, data sheets, related standards codes etc., vendor shall refer the matter to the PURCHASER for clarifications and only after obtaining the written clarification shall proceed with the manufacture of the items in question.
- 2.1.9 Vendor shall take single point responsibility for the engineering, design, certification, procurement, inspection, testing, supply, performance & commissioning of the pressure regulating skid Systems along with all instruments, equipment and valves of the Systems based on the data sheets and the specifications furnished and taking into consideration successful operation, safety and the established International standards for the complete Systems. As a part of System design & engineering, the following shall be undertaken/ decided/ furnished by vendor:

- Instrument ranges to meet the Process operating and design conditions
 - All the instruments/ equipment's to be procured from reputed vendors having good track records.
- 2.2 All the major items like valves (plug, globe and Ball), Flow computers (if required), Pressure transmitters, Temperature instruments etc. shall be supplied of reputed make and the offered model of equipment's shall have proven track record of successful operation for at least 1 year till bid submission date.
- 2.3 Vendor shall be fully responsible for proper integration of their supplied systems with MNGL's SCADA (RTU) systems and shall provide all the technical details to MNGL for configuration at SCADA end. Configuration in the supplied control panel shall be bidder's responsibility.
- 2.4 The PRS control and signal processing unit shall be suitable for field installation under the specified ambient conditions. All associated electronics shall be housed in a weatherproof enclosure with minimum IP-65 protection and shall be flameproof certified, suitable for installation in the applicable hazardous area classification.

Technical Specifications of Dry Gas Filter :

1) General Description

Twin dry gas filtration system shall be provided at the inlet of the PRS skid. The purpose of the dry gas filter is to remove dust, debris, and other solid impurities that could damage pressure regulators, valves, and other downstream equipment

2) Applicable Standards

The design, materials, fabrication, and testing of dry gas filters shall comply with the following:

ASME Section VIII, Division 1 (Pressure Vessels latest)

ASME B31.8 (Gas Transmission & Distribution Piping)

Any other statutory requirements applicable

3) Type & Configuration

Filter Type: Gas cartridge filter

Configuration: Suitable for installation in PRS skid

Cover Type: Quick Opening Closure (QOC) with davit arrangement for safe and easy maintenance

4) Service Conditions

Service Fluid: Natural Gas

Application: Dry gas filtration for PRS / gas distribution system

Operating Pressure Range: Suitable for medium to high pressure natural gas service (Upto 98 kg/cm²g)

Operating Temperature: Up to 30 °C

Design Temperature: -29 °C to +65 °C

5) Pressure Rating & Testing

Design Pressure: 98 kg/cm²g (600#)

Radiography: Full radiography as per ASME Sec VIII Div-1

Stress Relieving: As required by code

Joint Efficiency: As per ASME requirements

Notwithstanding anything stated or omitted in this technical specification, the bidder/vendor shall be solely and fully responsible for the design, selection, engineering, manufacture, supply, inspection, testing, and performance of the Dry Gas Filter and its associated components.

The equipment supplied shall fully comply with all applicable national and international codes, standards, statutory requirements, safety regulations, and industry best practices, whether or not such requirements are explicitly mentioned in this specification.

Any error, omission, ambiguity, or inadequacy in this specification shall not relieve the bidder/vendor of their responsibility to supply equipment that is complete in all respects, technically sound, safe, fit for intended service, and fully compliant with the process conditions and operational requirements.

It shall be the sole responsibility of the bidder/vendor to ensure that the equipment offered is correctly rated, properly sized, and suitable for continuous operation under the specified service conditions. No extra cost or time implication shall be admissible on account of compliance with any applicable codes, standards, or statutory requirements, whether mentioned herein or not.

Technical Specifications of Pressure Regulator:

1) General :

This specification covers the design, engineering, manufacture, testing, inspection, painting, packing and supply of pressure regulators suitable for installation in a Pressure Reduction System (PRS) handling natural gas. The regulator shall be suitable for continuous operation under specified inlet and outlet pressure conditions and shall ensure stable downstream pressure control under varying flow conditions.

2) Type & Configuration

Type: Pilot-operated axial flow gas pressure regulator

Service: Natural Gas

Application: Pressure reduction in PRS

Installation: Skid mounted / pipeline mounted

Operation: Automatic, self-actuated

3) Applicable Codes & Standards

The PRS and its components shall comply with the latest editions of:

EN 334 – Gas pressure regulators

EN 12186 – Gas pressure regulating stations

PED 2014/68/EU or equivalent

ASME B31.8 / B31.3 (as applicable)

ASME B16.5 / B16.34 – Flanges & valves

ISO 9001 – Quality management

OISD / PNGRB guidelines (where applicable)

Any other statutory requirements applicable in India

Notwithstanding anything stated or omitted in this technical specification, the bidder/vendor shall be solely and fully responsible for the correct selection, design, engineering, manufacture, inspection, testing, supply, and performance of the pressure regulator offered for the Pressure Reduction System (PRS). The pressure regulator supplied shall strictly comply with all applicable national and international codes, standards, statutory regulations, safety norms, and industry best practices,

including but not limited to standards governing natural gas pressure regulators, pressure containment, materials, hazardous area requirements, and operational safety, whether or not such requirements are explicitly mentioned in this specification. Any error, omission, ambiguity, inconsistency, or inadequacy in this specification shall not absolve the bidder/vendor of responsibility to supply a complete, correctly rated, fully functional, safe, and fit-for-service pressure regulator suitable for continuous PRS operation under the specified inlet and outlet pressure conditions. It shall be the sole responsibility of the bidder/vendor to ensure that the regulator offered is properly sized, correctly rated (ANSI Class 600#), compatible with natural gas service, and capable of maintaining stable downstream pressure over the full operating range. No additional cost or time extension shall be admissible on account of compliance with any applicable codes, standards, or statutory requirements, whether mentioned herein or otherwise.

DESIGN PHILOSOPHY

3.0 GENERAL

- 3.0.1 This Document together with the attachments covers the minimum requirements for the design and engineering of PRS System complete with all accessories. Bidder shall be responsible for Design, engineering, sizing, selection, manufacture and/ or procurement, of materials, components and equipment necessary for complete package.

3.1 CODES AND STANDARDS

- 3.1.1 Design and terminology shall comply, as a minimum, with the latest edition prior to the date of bid enquiry of following codes, standard practices and publications:

AGA	American Gas Association, Gas Measurement Committee Report No.3 – Orifice Metering of Natural Gas.
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Report No.7 -Measurement of Gas by Turbine Meters. Report No.9 -Measurement of Gas by Ultrasonic Meters

ANSI / ASME American National Standards Institute/ American Society of Mechanical Engineers.

B 1.20.1 Pipe Threads.

B 16.47 Steel Pipe Flanges and Flanged Fittings.

B 16.20 Ring Joint Gaskets and Grooves for Steel Pipe Flanges. ANSI/FCI American National Standards Institute/Fluid Controls Institute

70.2 Control valve seat leakage classification.

API American Petroleum Institute

RP 520 Sizing, selection and installation of pressure relieving system in refineries. Part-I - Sizing and selection Part-II -Installation

RP 521 Guide for pressure relieving and depressurizing systems P 526 flanged steel safety relief valves.

RP 527 Seat tightness of pressure relief valves.

MPMS Manual of Petroleum Measurement Standards.

RP 551 Process Measurement Instrumentation. Part 1 - Process Control and Instrumentation

RP 552 Transmission Systems

S 1101 Measurement of Petroleum liquid hydrocarbon by Positive Displacement meter.

S 2000 Venting Atmospheric and low pressure storage tank.

S 2534 Measurement of liquid hydrocarbons by turbine meter systems. S 670 Vibration, Axial-Position and Bearing-Temperature Monitoring Systems.

ASTM American Society for Tests and Materials.

BS British Standards
 BS-1042 Measurement of fluid flow in closed conduits.
 BS-4368 Compression coupling for tubes.
 BS-4800 Colors for ready mixed paint.
 BS-5308 Part-2 Specification for PVC insulated cables.
 BS-6364 Specification for valves for cryogenic service.
 BS-7244 Flame Arrestors for general use
 DIN-43760 Temperature vs Resistance curves for RTDs.
 DIN-19234 Electrical Distance Sensors; DC interface for Distance Sensor and Signal Converter.
 IBR Indian Boiler Regulations.
 IEC International Electro-technical Commission.
 IEC 60079 Electrical Apparatus for Explosive Gas atmosphere
 IEC 60085 Thermal Evaluation and Classification of Electrical Insulation
 IEC 60332 Test on bunched wires or cables. Part 3 Cat 1
 IEC 60331 Fire resistance characteristics of electrical cables
 IEC 60529 Classification of degree of protection provided by enclosures.
 IEC 60534-2 Industrial Process Control Valves-Flow capacity
 IEC 60584-2 Thermocouples - Tolerances
 IEC 60584-3 Thermocouples extension and compensating cables, tolerances and Identification system.
 IEC 60751 Industrial platinum resistance thermometer sensors
 IS Indian Standard
 IS-5 Colours for ready mixed paints.
 IS-319 Specification for free cutting Brass bars, rods and sections
 IS-1239 Mild steel tubes, tubular and other wrought steel fittings.
 IS-1271 Specification of Thermal Evaluation and Classification of Electrical Insulation.
 IS-1554- PVC insulated (heavy duty) electric cables-working Part I voltage up to and including 1100 V.
 IS-2074 Ready mixed paints, air drying, red oxide- zinc chrome.
 IS-13947 Degree of Protection provided by enclosures for low voltage switch gear and control gear.
 IS-2148 Flame proof enclosures for electrical apparatus.
 IS-3624 Specification for pressure and vacuum gauges
 IS-5831 PVC insulation and sheath of electric cables.
 IS-7358 Specifications for Thermocouples

ISA Instrument Society of America.

S-5.2 Binary logic diagrams for process operations. S-7.3 Quality standard for instrument air.

S-75.01 Flow equations for sizing control valves.

ISO 5167 Measurement of fluid flow by means of orifice plates, nozzles and venture tubes inserted in circular cross-section conduits.

NEC National Electric Code.

NFPA National Fire Protection Association.

NFPA-496 Purged and pressurized enclosures for electrical equipment. EN European Standard

EN334 European standard for pressure regulators up to 100 bar

EN12186 Gas Pressure Regulating Stations for Transmission and distribution EN14382 Safety systems for Gas distribution.

- 3.1.2 In general, Bidder shall carryout engineering as per IEC/ BIS standards. Any other standard, if necessary, can also be referred by bidder during the execution of the job, without diluting the basic requirements, however with prior information to Owner/ Owner's Representative. In any case bidder must furnish a list of codes and standards other than those specified in this document, which shall be followed by them during engineering.

3.3. INSTRUMENT DESIGN CRITERIA

- 3.3.1 The Equipment's and instrumentation selected for the PRS Systems shall be rugged in design and must be well proven in the hydrocarbon industry. Prototype design or equipment of experimental nature or design undergoing testing etc. shall not be selected and supplied. Following criteria must be applied before selecting a particular instrument item: "The instruments as being offered/ supplied should have been operating satisfactorily in hydrocarbon industry like Refinery, Petrochemical and Gas Processing Plant under similar process conditions for at least 4000 hrs. From the bid due date."
- 3.3.2 All the ball valves of complete System package shall be full bore type.
- 3.3.3 The complete station shall be designed in such a way that the mean gas velocity remains within 20 Meter per second. The complete System shall be designed for 100 % of the maximum flow capacity. Whereas, the maximum velocity will remain within 30 m/s.
- 3.3.4 Instrument Requirements for classified area:

- a) All electronic/electrical instruments and equipment's shall be suitable for area classification as per IEC codes and shall be tested by any recognized authority like BASEEFA, FM, PTB, CMRI etc. and shall be certified by CCOE. All the configurators, gas cylinders shall be certified by CCOE.
- b) Certified Intrinsically Safe (IS) equipment as per IEC-60079-11 shall be used, in general, in hazardous area. In case intrinsically safe equipment is not available, flameproof enclosures as per IEC-60079.01 may be considered.
- c) Junction boxes and accessories required for flameproof instruments shall also be certified flameproof.
- d) All non-flameproof panels and cabinets installed in classified area shall be purged as per requirements specified in NFPA-496, as a minimum.
- e) Other type of protection as specified in IEC-60079 shall not be used.
- f) All tubing and fittings used for impulse piping shall be of SS 316. Tube fittings shall be flare less compression type of three-piece construction consisting of ferrule, nut and body suitable for use on SS tubes. Instrument valves and manifolds shall be of SS316 construction of forged type.

3.3.6 Statutory Approvals

- a) Bidder shall be responsible for obtaining all statutory approvals, as applicable for all instruments, equipment's, calibration gas cylinders and control systems.
- b) In addition, equipment's/instruments/systems located in the hazardous area shall be certified by the local statutory authorities for their use in the area of their installation. In general following certification shall be given:
 - For all intrinsically safe/ explosion proof/ flameproof equipment's/ instruments/ systems or equipment's with any other type of protection allowable as per this package which are manufactured abroad and certified by any statutory authority like BASEEFA, FM, UL, PTB, LCIE etc. should also have the approval of Chief Controller of Explosives (CCOE), Nagpur.
 - For all flame proof equipment's manufactured locally (indigenously), the testing shall be carried out by any of the approved test house like CMRI/ERTL etc. The equipment shall in addition bear the valid approval

from Chief Controller of Explosives, Nagpur and a valid BIS license.

- Custody transfer approval from Nmi/ PTB/ NPL or equivalent body from the country of origin.
- All the supplied gas cylinders shall have CCOE approval.
- CCOE certificate for the foreign items shall be submitted during detailed engineering, however appropriate approval certificates from the country of origin shall be provided with the bid.

- 3.3.7 All instruments in the System shall be certified for IEC Zone 1 Gas Group IIA/IIB, T3.
- 3.3.8 Instruments, which are not available as per their standard design from any reputed manufacturer as intrinsic safe, can be supplied in flameproof design. All such instruments shall be certified flameproof for the area classification and requirements indicated in clause 3.3.4 above.
- 3.3.9 Flame-proof (explosion proof) junction boxes as applicable shall be certified for IEC-Zone-1, IIA/IIB for all the classified areas for flame proof instruments.
- 3.3.10 Any change in instrument size or revision in line sizes because of sizing shall be carried out by bidder without any financial implications to MNGL.
- 3.3.11 All surface type temperature elements and line mounted temperature elements shall be RTD type as per IEC 60751. Mounting of surface RTD is as per enclosed drawing elsewhere in this package.
- 3.3.12 All the instruments shall be provided with canopies of adequate size to protect instruments from direct rain & sunlight. All such canopies shall be prefabricated type.
- 3.3.13 The equipment's at field like transmitters (pressure & temperature) shall be installed in environmental enclosure to minimize the effects of ambient temperature variations and shall be lockable for prevention of unauthorized data entry. The size of the cabinet shall be suitable for removing and fixing of transmitters for ease of maintenance. The transmitters shall be fixed in mounting brackets inside the cabinet. The cabinet shall be mounted and fixed in the System.
- 3.3.14 All the field switches shall be suitable for Flameproof and weather proof

enclosure contacts. The process switch shall be silver plated with contacts rated for rating of 30 V DC, 1 Amp. This requirement shall also be applicable for any other switch contact like push button, selector switches in the intrinsically safe service. The field switches shall be normally closed type and open to alarm. Switch contacts shall be SPDT. For all field switches (except Limit Switches), differential of switch shall be less than 60% of difference between set value & operating value.

- 3.3.15 Tube Fittings used for the installation of instruments shall be tested as per BS 4368 or equivalent standards. Sample tubing should be of silicosteel to handle H₂S

3.4 JUNCTION BOXES AND CABLING PHILOSOPHY

3.4.1 Cable Routing

- 3.4.1.1 Single / multiple pair cables from instrument to junction box shall be through perforated trays. Cable glands shall be provided at instrument end and junction box end. Supply of Cables from System to the control panel and Cable glands (required for control panel end and System end) for these cables shall be in bidder's scope. However cable laying shall be in the scope of MNGL.

3.4.2 Junction Box

- 3.4.2.1 In general separate junction boxes shall be used for the following: a) 4-20 mA DC signals (IS) b) LEL detector signals c) USM Signals d) GC Signals e) Contact signals (Field switches, Limit switches, push buttons etc.) f) Interlock and shutdown signals (Solenoid valves) g) Power supply to various instruments (GC, USM) Separate JB's and cable are required for power supply to USM and GC. The JB's shall have side entry for Branch cable/ single pair cable and Bottom entry for multi-pair cable entry. No top entry shall be considered.
- 3.4.2.2 The multi-cable entry for 6-pair JB and 12 pair JB shall be 1" NPT (F) and 1.5" NPT (F) respectively. Each junction box shall be provided with 2 multi-cable entries from the bottom of the junction box with one plugged with weather proof plugs.
- 3.4.2.3 Junction boxes, cable glands and accessories shall be weather proof in general. Slipper type PVC sleeves shall be used over cable glands for all cable entries in junction boxes to avoid water entry in junction boxes. In case of explosion-proof components used (only for packages), the respective junction boxes, cable glands and accessories shall be certified weatherproof and explosion proof.

- 3.4.2.4 Only one multi-cable entry shall be used in the junction box. The other cable entry shall be plugged.
- 3.4.2.5 The junction boxes in the field as well as in local panel shall be provided with sufficient number of terminals to terminate all the pairs of multi-cable (including spare pairs) and shields of individual pairs as applicable.

3.5 INSTRUMENT PAINTING REQUIREMENTS

- 3.5.1 All instrument impulse lines (except SS 316 Tubing) and instrument structural items shall be painted by the bidder.
- 3.5.2 The painting/ coating shall be performed in totality for all instrument items such as:
- a) All line mounting and equipment mounted instruments.
 - b) All instrument impulse piping (except SS 316 Tubing)
 - c) All instrument structural items like M.S. cable trays, instrument supports and tray supports, instrument stanchion, impulse line supports etc.
 - d) All surfaces of GI items wherever repair has been carried out shall also undergo painting.
 - e) All cabinets/panels, base frames which have undergone repair at site shall also be painted.
 - f) The final coating on external surfaces shall be applied just before handing over the plant or commissioning of the plant.
 - g) Name of the manufacturer, color and quality of all types of primers and paints shall be subject to approval of the owner/owner's representative.
- 3.5.3 Painting of other equipment's shall be as per painting specifications attached elsewhere.

3.6 POWER SUPPLY & POWER SUPPLY DISTRIBUTION

- 3.6.1 230 V / 110 V AC shall be available for control Panel. Vendor to suitably install Rectifiers in the control panel for powering panel and field instruments both.
- 3.6.2 Bidder to note that 230 / 110 Volts power supply, shall be floating neutral type. Vendor to provide isolation transformer, in case vendor requires grounded neutral.
- One feeder shall be provided by Bidder in the Control panel for connecting incoming power cable. Further distribution for all the vendor supplied instruments/ equipment's in control room and at field are in Bidder's scope. 24 V

DC power required for the barriers, isolators and field contact interrogation and relays etc. shall be provided by the vendor through dual redundant power packs. Power packs shall be sized with the safety factor of 1.5 of the actual load requirement.

4.0 PROCESS DESCRIPTION

4.1. The bidders shall design the System considering the worst case process condition scenario.

Specific Gravity of natural gas shall be considered for the purpose of sizing. 10 % of the maximum flow capacity shall be considered as the minimum flow.

Design Temperature: -20 to 60 deg. C.

Design flow: 100% of maximum flow capacity.

For components sizing calculations, Compressibility factor of 0.98 shall be considered.

4.2 Detailed Process conditions:

Item No.	Item Description	Inlet Pressure Range	Outlet Pressure Range	Inlet Temperature Range	Class Rating Inlet/Outlet	Design Temperature Range (0C)	Permitted Differential pressure across the System for designing
1	1 MMSCMD Capacity Pressure Reduction Skid (PRS) in 1w+1s configuration with each stream of PRS comprised of Dry Gas Filtration 1w+1s, Pressure Reduction system 1w+1s, vents, piping, valves, flanges & fittings, etc. PRS Equipment: Inlet: 10" X 600# Outlet: 10" X 600# Process Data: Product: Natural Gas Flow : 1 MMSCMD Design Pressure (DP): 98 Kg/cm2g	(Min. & Max.) : 50 to 98 Kg/cm2g	(Min.&Max.) : 45 to 49 Kg/cm2g	0 to 45 0C	600#	-29 to 65	As per process parameter

The quoted System shall be designed for flow capacity of 1*100% of maximum flow mentioned above and shall be suitable for Gas compositions mentioned below. The Heating value of Natural Gas (GCV) shall be 9200 to 9880 KCal/SCM.

Typical Gas Composition for designing the System shall be as follows:

	Lean Gas	Rich Gas
Name of Component	Composition 1	Composition 2
C6+	0.05	0.20
N2	0.20	0.20
H2S	3 to 30 PPM	3 to 30 PPM
CO2	0.50	4.00
C2	5.10	7.00
C3	1.10	3.75
IC4	0.20	0.70
NC4	0.30	0.80
IC5	0.02	0.20
NC5	0.01	0.20
C1	Balance	Balance

- 4.3. All the calculations for the sizing of the valves, meters etc. shall be based on the design flow capacity with worst case Process Temperature and Pressure, however for mechanical strength of the equipment's, design temperature / pressure shall be considered.

All the Equipment's shall be able to withstand maximum/ minimum design Pressure and temperature. Worst case process pressure and temperature with design flow is to be considered for noise calculation of valves.

5.0 JOB SPECIFICATION

5.1 GENERAL

This document defines the instrument job requirements over and above various Standards attached along with this document.

The selection of type of instruments is Bidder's responsibility. For the instruments where type is already identified in the P & IDs / data sheets, the Bidder shall follow the same. However, during the engineering procurement stage if it is found that a different type of instrument is most suited for a particular application then the same shall be referred to MNGL for review, and if suitable, the changed instrument shall be supplied by the bidder. Bidder shall also be responsible for selecting and reviewing the type of instrument where specifically indicated in P& ID.

Instrument selection and specifications shall be carried out as per specification, typical instrument data sheets and Standard Specifications in general, as appended by special requirements specified here in.

5.2 JOB SPECIFICATIONS FOR GAS METERING SYSTEM PACKAGE

Refer Job specification for Gas Metering package. The referred job specification

together with the P&IDs, Process data sheets, data sheets, standard specifications attached with the Package, defines the requirement for the design, engineering, manufacture, fabrication & assembly, integration, calibration, factory testing, supply, packaging, shipping and documentation including deliverables, statutory and other special approval, inspection, testing overall System performance guarantee of Gas custody transfer. If required, then installation supervision, commissioning of the same at the same terms & condition of the contract/ tender.

6.0 TESTING AND INSPECTION

6.1 GENERAL

- 6.1.1 All pressure boundary materials shall have certified material test reports (CMTRs) or certificate of compliance per the design code. Certifications shall be to EN 10204 Type 3.1 for pressure parts and Type 2.2 for other parts. A system of positive material identification (PMI) shall be implemented for the items mentioned in PMI specification attached elsewhere.
- 6.1.2 Vendor shall submit the QAP, FAT, & SAT Manual/ procedure to MNGL for review and approval. A typical MNGL QAP and FAT Manual/ procedure is attached elsewhere.
- 6.1.3 All materials and equipment shall be factory tested before shipment in the presence of Purchaser's representative. No material shall be transported to site until all required tests have been carried out and equipment is certified as ready for shipment. Acceptance of equipment or the exemption of inspection or tests thereof, shall in no way absolve vendor of the responsibility for delivering equipment's meeting the requirements of the specifications.
- 6.1.4 Vendor shall furnish the following
 - Material test certificate, Hydrostatic test certificate, Certificates of radiography for all line mounted items/ instruments on the System. Certificates from statutory body for hazardous area approval for all electrical items mounted on the System. Calibration certificates, certificates for custody transfer, Certificates for the conformity to the standards to be submitted. All other certificates mentioned in individual general specification. Certificate of master instruments used for calibration.
- 6.1.5 Supplier shall perform the usual standard tests to maintain quality control procedures. These test certificates shall be submitted for review before starting inspection by Purchaser. Supplier shall be responsible for testing and complete integration of the system. Detailed procedures of test and inspection shall be

- submitted by the supplier for review before order and mutually agreed upon.
- 6.1.6 Vendor shall include inspection by MNGL & third party personnel at vendor's shop. For this inspection, labour, consumable, equipment, transportation, and utilities as required shall be in vendor's scope. Third Party Inspectors shall be deployed by bidder with due approval from MNGL.
- 6.1.7 Other inspection and testing requirements shall be as per respective Standard specifications of various instrument items.
- 6.2 SYSTEM:**
The following tests shall be conducted for the System
- a. Hydro testing for the integrated System / individual pipe spools.
 - b. Pneumatic Leak test of complete System at 1.5 times of operating pressure.
 - c. System functional testing.
 - d. System piping material testing and NDT of welds as per piping material specifications. Radiography/ X-ray shall be mandatorily carried out for all welded joints including Ultrasonic meter & Radiography report shall be reviewed & certified by TPI of respective country where it is carried out and vendor shall furnish test certificate for the same. Dye-penetration test certificate shall be provided for joints wherever radiography/ X-ray is not possible.
 - e. Radiography/ X-ray, Charpy impact testing for line mounted instrument items such as Ultrasonic meters runs etc.
 - f. Testing and inspection requirements for System piping materials shall be as per specifications attached elsewhere in the bid package.
- 6.3 System Equipment's**
The following tests shall be conducted:
- 6.3.1 Requirements of non-destructive testing like radiography, magnetic particle test, hardness test, hydro-test, Charpy shall be carried out strictly as per following specification.
- a) 100% radiography shall be carried out on all weld joints. Radiography procedure and area of casting to be radiographed shall be as per ANSI B16.34 and acceptance criteria shall be as per ANSI B16.34 Annexure B. The radiography shall be conducted as per ASNT Level 2 procedure from approved vender list of GAIL/EIL.
 - b) 100 % Radiography/ X-ray shall be carried out for all welded joints and

vendor shall furnish test certificate for the same. UT shall be provided for joints wherever radiography/ X-ray are not possible.

- c) Each meter runs shall be subjected to hydrostatic test with a pressure of 1.5 times the design pressure.
 - d) Charpy impact test on each heat of base material shall be conducted as per A370 for all pressure containing parts such as body, end flanges and welding ends as well as bolting material for pressure containing parts. Unless specified otherwise, the Charpy impact test shall be conducted at 0°C. The Charpy impact test specimen shall be taken in the direction of principal grain flow and notched perpendicular to the original surface of plate or forging. The minimum average absorbed energy per set of three specimens shall be 27J with an individual minimum per specimen of 22 J.
- 6.3.2 Following tests, inspection, review shall be carried out by vendor at their works and test certificates shall be furnished:
Calibration of all instruments and generation/ review of calibration/ test certificates for all instruments. Calibration test reports for flow meters duly

- signed and certified from the recognized International laboratories / statutory weights and measures authority. Statutory body certificates for instruments. Type test report for enclosure of all electronics/ electrical equipment's.
- 6.3.3 In addition, the vendor shall also refer the inspection & testing requirements of the standard specifications attached to this requisition and follow the same.
- 6.3.4 The following certificates are required to be submitted during inspection for review before dispatch of materials:
- Verification of certificates as applicable for the material certificates, NDT reports like radiography/ X-ray/ die-penetration/ MP, etc., statutory certificates (from CCOE) for intrinsic safety and explosion proof, certificates of conformity etc.
 - Visual verification for quantity, quality and workmanship.
 - Hydro testing and pneumatic testing as applicable.
 - Functional and performance testing including calibration, accuracy, repeatability testing.
 - Calibration report of PT, TT, USM with meter run and profiler.
 - Radiographic test for thermo-wells etc.
 - Bidder must detail out performance specifications of each item which shall be verified by bidder or bidder appointed agency/ Owner/ PMC during factory testing.
 - Inspection and testing requirements as per the respective standard specification shall be referred.
 - Bidder shall submit all test records / test results for records to purchaser as bound volume along with the test procedure for each test carried out.
 - Acceptable criteria for Radiography and other NDT requirements for all the instruments / instrument castings shall be in line with those specified in 'valve/ piping specifications' for the similar service. Valve specifications/piping specifications have been attached elsewhere in this package.
 - CCOE certificate shall be supplied by the bidder for all instruments installed in hazardous area.
 - Custody transfer application certificate for meters.
- 6.3.5 Wherever inspection at manufacturer's shop is waived because of any reason, the bidder shall carry out the inspection at vendor/ sub-vendor's shop and Bidder shall forward these inspection reports for verification by MNGL before dispatch. In no case, items shall be released without proper inspection/ verification.
- 6.3.6 The inspection and testing shall be carried out as per related specifications,

- international codes and practices/standards, approved documents and/or any other document attached along-with specifically suggesting extent of testing to be carried out at manufacturer's works.
- 6.3.7 Items for which 'Witness Inspection' is specifically exempted, manufacturer shall forward the test certificates as desired for review.
 - 6.3.8 Testing and inspection for all items shall be carried out as per approved factory testing procedures. The material shall be dispatched only after obtaining written dispatch clearance. For items where no testing is witnessed by the purchaser test certificate shall be forwarded for review before dispatch of such equipment
 - 6.3.9 Vendor must detail out performance specifications of each item which shall be verified by vendor or vendor appointed agency/ Owner/ PMC during factory testing.
 - 6.3.10 Inspection and testing requirements as per the respective standard specification shall be referred.
 - 6.3.11 Vendor shall submit all test records / test results for records to purchaser as bound volume along with the test procedure for each test carried out.
 - 6.3.12 Acceptable criteria for Radiography and other NDT requirements for all the instruments/ instrument castings shall be in line with those specified in 'valve/ piping specifications' for the similar service. Valve specifications/piping specifications have been attached elsewhere in this package.
 - 6.3.13 CCOE certificate shall be supplied by the vendor for all instruments, HHC, cylinders installed/ for use in hazardous area.

7.0 DOCUMENTATION

- 7.1 Detailed drawings, data and catalogues required from the Vendor are indicated by the PURCHASER in vendor data requirement sheet. Minimum 06 number of reproducible and prints should be dispatched to the address mentioned, adhering to the time limits indicated.
- 7.2 Final drawings from the Vendor shall include dimensional details, weight, mounting & foundation details and any other special requirements etc. for the systems. All dimensions in general shall be in millimeters.
- 7.3 Vendor shall furnish all the required manuals necessary to test, operate and maintain the system. All the certificates etc. shall be provided.

8.0 MISCELLANEOUS

8.1 NAME PLATE IDENTIFICATION

In addition to the instruments and equipment nameplate, the structural System shall be supplied with a permanent, weather resistant, stainless steel nameplate affixed to the System, with the following details, as a minimum: Project title and number

- Owner and Owner name
- Equipment name and tag number
- Manufacturer's name and serial number
- System overall dimension data.
- System weight data.

Each System and all the instruments in the System shall have a S.S nameplate attached firmly to it at a visible place furnishing the following information:

- Tag number of the System.
- Project Name with location: " ----- (name of site/ station)"
- Inlet size (in inch) and Outlet Size (in inch) with class rating
- Min/ Normal/ Max. Flow capacity in SM³/Hr.
- Tag number of Instruments, JB as per purchaser's data sheets
- Body sizes with class rating in inches and the Valve Cg value or meter G rating
- Flow range in SM³/hr for Flow meters
- Rating for all the individual instruments
- Manufacturer's name and model number

All cable should have tag no. at JB/ panel end and Instrument end. All wires terminated inside System and control panel should have identification mark, ferrules etc. (for the termination of supplied cables, Identification Tag no, Ferrule etc. shall be provided by bidder).

9.0 SHIPPING & PACKAGING

- Vendor shall indicate the shipping and packaging methodology for each pieces of System along with its size, weight and no. of pieces.
- Vendor shall try to fix as many types of equipment/ instruments as possible in System and control panel before shipment.
- If any of the items are shipped loose, then it shall be properly packed inside metallic or wooden cartoon with identification tags painted on it. Loose materials, spares etc. for any two System shall not be mixed in one cartoon/ package. A System of tagging, segregation to be

followed for easy identification of parts and due care to be taken to avoid intermixing of some parts of different Systems.

10.0 PERFORMANCE GUARANTEE

- 10.1 The VENDOR shall guarantee that all work/ job will be performed in accordance with good and sound engineering and construction practices and within the requirements of this specification. The equipment, accessories and all the materials supplied by the VENDOR shall be free from defects, shall be suitable for the use for which they are intended and shall perform in accordance with the requirements of this specification.
- 10.2 The VENDOR shall furnish a guarantee for the entire System package comprising of its entire component/ equipment's including instruments, piping, valves, fittings, internals, etc., for a period of 24 months from the date of commissioning or 30 months from date of receipt of goods at site, whichever is earlier.
- 10.3 The VENDOR shall take single point responsibility for the complete System, including the sub-vendor supplied components, the proprietary equipment and components included in System package and supplied loose in accordance with this specification.
- 11.0 INSTALLATION AND COMMISSIONING OF PRS SYSTEM**
- 11.1 The VENDOR shall provide qualified and experienced personnel for installation, field-testing and commissioning of the equipment's.
- 11.2 Refer "Annexure-1" for bidder's scope of supply, Installation and commissioning.
- 11.3 INSTALLATION REQUIREMENTS:**
- All instruments shall be accessible from grade or a platform for operation and maintenance.
 - Bidder shall consider the, "MNGL installation standards "as attached or equivalent for installation of each instrument. In case, any instrument requires a special installation or any instrument not provided with installation standard the bidder shall prepare the standard and get it approved from MNGL along with other documents.

- Impulse tube/ pipe of size ½” shall be used as impulse lines. The Impulse pipe/ pipe fittings for instrument installation shall be as per the piping material specifications of respective process lines. Tubing when used between manifold and the instrument shall be, 12mm OD with SS316 material of construction as a minimum. The material selected shall be suitable for the process fluid conditions.
- Instrument in gas service are to be installed only above or at least parallel to the tapping with a slope in the impulse towards the tapping to achieve self- draining condition.
- No unions shall be used in impulse lines instead break flanges shall be used.
- Ball valves in combination with Plug / globe valve shall be used for equalizing service and vent & drain valves.
- Minimum ½” sized needle valves shall be used for Instrument isolation.
- Impulse piping is to be suitably painted (except SS 316 tubing)
- Schedule 80 seamless pipe with at least 3000 lb rating fittings should be used as a minimum for impulse piping.
- Tube fitting shall be double ferrule type.
- Based on the installation standards for each type of instrument, bidder shall prepare Bill of materials (BOM) which indicates the requirements of different materials for installation of each instrument. However, completeness of BOM is bidder's responsibility.
- Mounting of field instruments (if remote mounted)/ JB's on the stanchion or instrument support shall be at the height of 1.3M from the grade level / finished floor level.
- The installation and erection materials like, cables (signal, control, thermocouple extension and power), cable glands, junction boxes, instrument valves and manifolds, impulse pipe and pipe fittings, pneumatic signal tubes, instrument airline fittings and valves and cable trays required for installation of complete instrumentation shall be as per standard specifications enclosed in this tender. Power supply for different instruments/ equipment's having different power/ voltage rating shall be installed in different JB's.

11.4 LOOP CHECKING AND COMMISSIONING

- 11.4.1 Bidder is fully responsible for all work related to loop checking (inside the System), including cable laying, tray work, dressing, identification, ferruling, calibrations, loop testing. However, cable laying from System JB to control panel in control room is not in bidder's scope.
- 11.4.2 Bidder shall be responsible for commissioning of each & every equipment's installed in the System. (Functionality, simulation for all these equipment's shall be demonstrated during FAT).

12.0 BIDS:

Bidders Proposal shall include the following (as minimum):

- 12.1 Bidder's proposal shall include the detailed specifications for all items of Pressure Regulating Skid packages. The proposal shall include:
- i) Make, Model number and detailed specification along with technical details and catalogue for each applicable item of System like pressure transmitter, Temperature transmitters, Ball valves, Globe valves, all fittings etc.
 - ii) Sizing calculations and pressure drop calculations for inlet and outlet pipeline, flow meters. Calculation for Gas velocities meter runs at maximum flow and minimum pressure to be submitted. The entire system (including all the components, equipment's, Instruments) shall be selected and offered in such a way that the overall pressure drop across the entire System shall be minimum. Detailed sizing calculation for individual components and pressure drop for entire System (including diff. Pressure across individual components of System) to be provided.
 - iii) All design and performance characteristics.
 - iv) P&ID for PRS System to be prepared by bidder based on the Typical P&ID and other documents provided with tender.
 - v) Completely filled Datasheet of all the components/ items of System with selected single and Model of equipment/ Instrument. (Multiple make/ model shall not be mentioned/ offered).
 - vi) Overall dimensions of each item.
 - vii) Overall dimensions of each System with proposed modules of each System considered along with estimated dimensions:
 - viii) Weight of each System
 - ix) Foundation details (suggestive) of PRS System.

13 Payment Terms:

- i) **85% (Eighty five Percent) Payment** shall be released against receipt of materials at site on submission of dispatch documents, manufacturer's certificates, invoice, packing list, insurance policy, guarantee/warranty certificate, inspection release note, Goods Receipt Voucher (GRV) & dispatch clearance issued by the Owner.
- ii) **15% (Fifteen Percent) Payment** shall be released on installation, Testing & Commissioning of equipment.

LIST OF SUPPLIERS OF MAJOR ITEMS

Fittings :

1. M/s. Vivial Forge Pvt. Ltd., Vadodara
2. M/s United Forge, Vadodara
3. M/s Pipe Fit, Vadodara

Valves :

1. M/s. Petro Valves, Ahemdabad
2. M/s Magwen Industries, Pune
3. M/s L&T Valves, Mumbai
4. M/s Adko Valves, Mumbai
5. M/s Delval Flow Controls, Pune
6. M/s Oswal Industries Ltd, Mumbai

Pressure Regulator :

1. M/s. Nirmal Industrial Control Pvt Ltd
2. M/s Emerson Mesurement System and Solutions (India) Private Limited
3. M/s Pietro Fiorentini
4. M/s Honeywell

Note :

1. Successful bidders shall take prior approval of the make for the items not covered above for which complete technical credentials of the proposed vendors shall be required to be submitted for evaluation by Purchaser/Consultant.
2. In case of subletting of works/ part of works by the prime bidder to other agency not specified in above list, bidder may propose for prior approval to Engineer-in-charge before engaging the sub-contractors strictly.
3. For any other items which are not listed above, shall be subject to prior approval from MNGL.

DATASHEET FLANGES AND BLINDS		
SR.N O	DESCRIPTION	SPECIFICATION
GENERAL		
1	Size	AS per approved design Calculations
2	Pressure Rating	600#
3	Design Standard (Guideline: PNGRB T4S Standard)	ASME B16.5/ASMEB 16.47/ASME B 16.48
4	Corrosion allowances	1.5mm
5	Design factor	0.4
SERVICE CONDITION		
7	Design Pressure	98 barg
8	Design Temperature	600# = -15 to 65 deg.
9	Service Fluid	Natural Gas
10	Operating temperature	600# = -10 to 50 deg.C
CONSTRUCTION DESIGN		
12	Allowable Stress	ASME B 31.8
13	Flange Type	WNRF/BLRF/SORF/BLIND
14	Flange Facing	Raised Face (125 AARH)
15	Bevel End & Bevel Angle for WNRF	ASME B 31.8
MATERIAL SPECIFICATION		
	PART	SPECIFIED MATERIAL
16	Material Construction	ASTM A 106 Gr. B/API 5L Gr. B and ASTM A 234 GR.WPB & ASTM A 105 The carbon Contents is greater than 0.12% in product analysis, the CE(IIW) shall not exceed than 0.40% and if the carbon content is less than 0.12% in product analysis, the CE(Pcm) Shall not Exceed 0.20%

TESTING & INSPECTION

17	Charpy Impact Test	As per material of Construction Standard In Case Charpy Test not specified in relevant codes and standard than charpy shall be carried out at 0 deg C and absorbed energy Valve shall be average 35J and minimum 28 J respectively.
18	Hardness test	ASTM A 106 Gr. B/API 5L Gr. B and ASTM A 234 GR.WPB & ASTM A 105 In case hardness Valve not given in MOC then Hardness Valve shall not exceed 235 HBN
19	Tensile Test	As per relevant Code and Standard
20	Yield Strength	As per relevant Code and Standard
21	Elongation	As per relevant Code and Standard
22	UT	100% Surface
23	MPT	100% at Bevel Ends
24	DPT	100% at bevel end for 50 mm width
25	Marking	MSS SP 25 and MNGL Specification

NOTE

1) Bidder shall clearly mention deviation, if any, and must get approval for MNGL for any deviation

DATASHEET FOR DIFFERENTIAL PRESSURE GAUGE			
SR. N O	DESCRIPTION	SPECIFICATION	
1	Type	Suitable for gas skid	
2	Mounting	Local	
4	Standard (Guideline: PNGRB T4S Standard)	As Per IS 3624/EN 837	
5	Dial Size	100mm	
6	Colour	White (Non rusting plastic with black engraving)	
7	Case material	SS304/SS316	
8	Bazel Ring	Bayonet	
CONSTRUCTION			
9	Window material	Shatterproof Glass	
7	Enclosure	IP 67	
8	Sensor	Piston Type	
9	Pointer	Black Aluminum	
10	Accuracy	±2% FSD	
11	Zero Adjustments	Vendor to Furnish	
12	Connection	1/2" NPT (M)	
13	Connection Location	Horizontal	
14	Movement	Vendor to furnish	
15	Over-Range Protection	Vendor to furnish	
16	Blow out Protection	Vendor to furnish	
17	Make	Reputed make, to be approved by MNGL	
18	Manifold	5 way 3 valve manifold	
19	Model	Vendor to Indicate	
20	Fluid	Natural Gas	
	TAG	Range	Working Pressure
	DPG-0101	0-1000 bar	Upto 98 bar-g
Note – Vendor Shall Provide Calibration Certificate			

DATASHEET FOR REGULATOR		
SR.NO.	MNGL SPECIFICATION	REQUIREMENTS
GENERAL		
1	Make	As per Approved vendor Specification
2	Type/Model	As per Approved vendor Specification
3	Type	Pilot Acting Fail to open
4	Maximum Temperature	60 deg. C
5	Minimum Operating temperature	-10 deg. C
6	Regulating Accuracy (AC)	+/- 1 % of set outlet pressure (G) or Better
7	Lockup (SG)	+/- 5 % or better
8	Standard	As per PNGRB Guidelines
9	Fire safe design	API 607 / API 6 FA' (Latest)
10	Connection Details	Raised Face Flanged ends – ANSI 600#
MATERIAL OF CONSTRUCTION		
11	Body	Steel ASTM A216 Gr. WCB or equivalent to suitable for withstanding the pressure & temperature Requirements
12	Internals	SS or Brass or suitable material for withstanding the pressure requirements
13	Diaphragm	Synthetic rubber or suitable material for withstanding the pressure requirement
STANDARDS		
14	Regulators	EN 334 : 2005 (+A1:2009)
15	Components for Gas Supply	DIN30690-1:2006/DIN 30690-2: 1980 OR Equivalent

DATASHEET FOR ISOLATION BALL VALVE (BELOW 2"-800#)		
SR. NO	DESCRIPTION	SPECIFICATION
GENERAL		
1	Valve Size	Below-2"
2	ANSI RATINGS	ANSI 800#
3	Design Standards (Guideline: PNGRB T4S Standard)	BS EN ISO 17292 (Latest) / API 6D
4	Corrosion allowances	1.5mm
5	Design factor	0.4
SERVICE CONDITIONS		
6	Service	Natural Gas
7	Design Pressure	138 bar-g
8	Design Temp.	-15 to 65°C (for Operating Pressure 19bar-g)
9	Operating Pressure (maximum)	Up to 98bar (g)
10	Fire safe design	API 607 / API 6 FA' 2008
11	Operation temp	-10to 50°C (forOperatingPressure49 bar-g)
VALVE CONSTRUCTION DESIGN		
12	Location	Above Ground
13	Valve type (Floating/Trunnion Mounted)	Floating
14	Bore (Full/Reduced)	Full Bore
15	End Connection	Socket Welded (asper ASME B 16.11) with pups
16	Locking Devices	Locking facility in full open Position
17	Shutoff Class	VI
18	Construction	Two/Three Piece Construction required /Bolted
19	Bi-directional	Required
20	Double Block & Bleed	Not Required
21	Blow out proof	Required
22	Anti-Static device	Required
23	Lever Operation	Required

VALVE MATERIAL SPECIFICATIONS		
	PART	SPECIFIED MATERIAL
24	Body	ASTM A105
25	Ball (Solid)	ASTM A479 SS316/ASTM A351 CF8M + 80 micron ENP
26	Seat	RPTFE
27	Stem (Anti blow out)	ASTM A 479 SS316 (No Casting)
28	Stem Seal	As per manufacturer's recommendation
29	Stud bolts/Nuts	A193 Gr.B7/A 194 Gr.2H
30	Gland Packing	GRAFOIL
31	Anti-Static Device	SS302

DATASHEET FOR ISOLATION BALL VALVE 2" & ABOVE

SR.NO	DESCRIPTION	SPECIFICATION
GENERAL		
1	Valve Size	2" & above
2	ANSI RATINGS	ANSI 600#
3	Design Standards (Guideline: PNGRB T4S Standard)	API 6D (Latest)
4	Corrosion allowances	1.5mm
5	Design factor	0.4
SERVICE CONDITIONS		
6	Service	Natural Gas
7	Design Pressure	98 bar-g
8	Design Temp.	600# : -15 to 65°C
10	Operation temp	600#: -10 to 50°C
11	Fire safe design	API 607 APL 6 FA' (Latest)
VALVE CONSTRUCTION DESIGN		
12	Location	Above Ground
13	Valve type	600# , TRUNNION MOUNTED
14	Bore (Full/Reduced)	Full Bore
15	End Connection	Flange End (as per ASME B 16.5) Raised face
16	Locking Devices	Locking facility in full open Position
17	Shutoff Class	VI
18	Construction	Two/Three Piece Construction required
19	Bi-directional	Required
20	Double Block & Bleed	Applicable only for 600#
21	Blow out proof	Required
22	Anti-Static device	Required
23	Valve Operator	FOR 2" TO 4" – LEVER OPERATED FOR 6" AND ABOVE - GEAR OPERATED
24	Open and Close Ball position indicator	Required

VALVE MATERIAL SPECIFICATIONS		
	PART	SPECIFIED MATERIAL
25	Body	ASTM A 105
26	Ball (Solid)	ASTM A479 SS316/ASTM A351 grade CF8M + 80 micron ENP
27	Primary Seat	ASTM A479 SS316/ASTM A351 grade CF8M
27	Seat insert	RPTFE
28	Stem (Anti blow out)	ASTM A 479 SS 316 (No Casting)
29	Stem seals(Renewable with valve open on stream)	As per manufacture recommendation
30	Stud bolts	A 193 Gr.B7/A 194 Gr 2H
31	Anti-Static device	ASTM A 479 Gr. SS 302

DATASHEET FOR JUNCTION BOX		
GENERAL		
Sr.No	DESCRIPTION	SPECIFICATION
1	Make	Vendor to specify
2	Enclosure	EX-d as per IS 2148/81
3	Protection	IP 67 as per IS 13947/93 (Part-1)
4	Area Classification	Gas Groups IIA IIB as per IS 21248/81
5	Material	Dia. Cast Aluminium alloy LM-6
6	Thickness	min 5 mm
7	Gasket	Endless, Moulded neoprene
8	Earthing	1 no. inside& 2 Nos. outside M6
9	Size	As per mfg. std.
10	Finish	Epoxy light grey shade as per IS-5
11	Painting	2 Coats of lead free base primer &2 Coats of Leadfree Epoxy base paint applied on both for interior and exterior Surface
12	Engraving	Engraved/internally cast on the cover isolate power supply elsewhere before opening
13	Cable Entry	Vendor to specify
14	Bottom Entry	Vendor to specify
15	Top Entry	Vendor to specify
16	Left Side Entry	Vendor to specify
17	Right Side Entry	Vendor to specify

DATASHEET FOR PAINTING			
SR. No.	Technical Description	Filter, Pressure Safety Valve, Regulator, Creep Relief Valve, Ball Valve, Globe Valve, Check Valve, Base frame & Support	Piping
GENERAL			
	Standard (Guideline : PNGRB T4S Standard)	IGE/TD/13	
1	Surface Preparation	SA 2.5 finish as per ISO 8501 - 1 and profile up to 50 to 80 micron	SA2.5 finish as per ISO 8501 -1 & profile up to 30 to 50 micron. After galvanizing sweep blast and profile up to 10 to 15 micron
		Blasting Surface shall be free from loose mill scale, rust, dirt, oil grease, any foreign particles, etc.	Blasting Surface shall be free from loose mill scale, rust, dirt, oil grease, any foreign particles, etc.
2	Hot Dip galvanizing	Not Applicable	Thickness (micron) as per ASTM A153 for all pipe, pipe fittings and fasteners.
			Pipe Min. 86 micron
			Pipe Fittings Min. 86 Micron
			Fasteners-Min 53 micron for more than 9.6 mm Dia
3	Colour Coating	Primer Epoxy Based Zinc Primer 60 microns (min) thick	Finish Coat: Epoxy polyamide paint - 100 microns (min) thick/coat Two number of coat
		Intermediate Coat : Polyamide Epoxy- 80 microns (min) thick	
		Finish Coat: Acrylic polyurethane - 60 microns (min) thick	

		Total DFT : 200 microns (approx.)	Total DFT: 200 microns (approx.)- Excluding galvanizing DFT
4	Colour Code	Pipe Lines	Canary Yellow/Golden Yellow (IS 356)
		Structural Support	Smoke Grey: powder coating (IS 692)
		Ball, Globe, Check valves	Oxford Blue (IS 105)
		SSV, PCV	Oxford Blue (IS 105)
		CRV, PSV	Fire Red (IS 536)
		Filter	Silver or Smoke Grey (IS 628 or IS 692)
		Canopy (Powder Coated)	Silver (RAL 7001)
5	MNGL Branding	Canopy	<input type="checkbox"/> Eco solvent Print with 3mm PVC, 1mm MS sheet from both sides <input type="checkbox"/> No flexor <input type="checkbox"/> Sticker accepted

NOTE:

1. Vendor shall prepare Internal report for surface preparation for all piping and shall be reviewed by TPI.
2. Vendor shall prepare internal report for painting for all piping and shall be reviewed by TPI.

DATASHEET FOR PRESSURE GAUGE		
SR.N O	DESCRIPTION	SPECIFICATION
GENERAL		
1	Type	Direct
2	Mounting	Local
3	Dial Size	100 mm
4	Standard (Guideline: PNGRB T4S Standard)	As Per IS 3624/EN 837
5	Design	Solid Baffle wall and blow out back as per EN837-1, Glycerine filled
6	Colour	Aluminium dial with black engraving
7	Case material	SS304
8	Bazel Ring	Vendor to Furnish
CONSTRUCTION		
9	Window material	Shatterproof Glass
7	Enclosure	IP 67
8	Pressure Element	C Type Bourdon Tube
9	Element Material	SS316
10	Socket material	SS316
11	Accuracy	±1% FSD
12	Connection	1/2" NPT (M)
13	Connection Location	Bottom
14	Movement	SS316
15	Over-Range Protection	130.00%
16	Blow out Protection	Required
11	Manifold	3 way 2 valve manifold
12	Make	Vendor to Furnish
13	Model	Vendor to Indicate
14	Fluid	Natural Gas
15	Make	Reputed Make, to be approved by MNGL
Note – Vendor Shall Provide Calibration Certificate		

DATASHEET FOR SEAMLESS FITTINGS		
SR.NO	DESCRIPTION	SPECIFICATION
GENERAL		
1	Size	AS per MNGL approved design Calculations.
2	Pressure Rating/Schedule No.	
2a	Butt-welded Fittings/Weld-O-let	STD/SX/XXS SCH.40, SCH 80, SCH160
3	Design Standards (Guideline: PNGRB T4S Standard)	ASME B 16.9/ASME B 16.11/MSS SP 75/MSS-SP 97/ASME B1.20.1/ASME B16.48
4	Corrosion allowances	1.5mm
5	Design Factor	0.4
SERVICE CONDITION		
11	Service Fluid	Natural Gas
12	Design Pressure	19 Bar-g
13	Design temperature	1.300# = -15 to 65 deg. C
14	Operating Pressure (Max)	300#=19 Bar G
15	Operating Temp	1) 300# = -10 to 50 deg C
CONSTRUCTION DESIGN		
16	Bevel Angle	ASME B 31.8
MATERIAL SPECIFICATION		
	Part	Specified material
17	Material Construction	ASTM A 234 GR WPB,ASTM A 105

DATASHEET FOR SEAMLESS FITTINGS		
SR.NO	DESCRIPTION	SPECIFICATION
GENERAL		
1	Size	AS per MNGL approved design Calculations.
2	Pressure Rating/Schedule No.	
2a	Butt-welded Fittings/Weld-On-let	STD/SX/XXS SCH.40, SCH 80, SCH160
3	Design Standards (Guideline: PNGRB T4S Standard)	ASME B 16.9/ASME B 16.11/MSS SP 75/MSS-SP 97/ASME B1.20.1/ASME B16.48
4	Corrosion allowances	1.5mm
5	Design Factor	0.4
SERVICE CONDITION		
11	Service Fluid	Natural Gas
12	Design Pressure	98 Bar-g
13	Design temperature	600# = -15 to 65 deg. C
14	Operating Temp	600# = -10 to 50 deg C
CONSTRUCTION DESIGN		
16	Bevel Angle	ASME B 31.8
MATERIAL SPECIFICATION		
	Part	Specified material
17	Material Construction	ASTM A 234 GR WPB,ASTM A 105

**DATASHEET FOR SOCKET WELDED AND THREADED GLOBE VALVE
(BELOW 2"-800#)**

SR.NO.	DESCRIPTION	SPECIFICATION
1	Valve Size	Below 2"
2	Pressure class Rating	800#
3	Corrosion allowance	1.5 mm
4	Design Standard(Guideline: PNGRB T4S Standard)	BS EN ISO 15761
5	Design Factor	0.4
SERVICE CONDITIONS		
7	Service	Natural Gas
8	Design Pressure	138 Bar-g
9	Design Temperature	-15 to 65°C (for Operating pressure 19 bar-g) 2.- 15 to 65°C (for Operating pressure 49 bar-g & 98 bar-g)
10	Operating temp.	-10 to 50°C (for Operating pressure 19 bar-g) -10 to 50°C (for Operating pressure 42 bar-g & 98 bar-g)
11	Operating Pressure(Maximum)	Up to 19 Bar-g / 42 Bar-g/98 Bar-g
VALVE CONSTRUCTION DESIGN		
12	Location	Above Ground
13	End Connections	1. Socket Welded (As per ASME B 16.11) 2. Threaded-ASME B 1.20.1.
14	Body/ Bonnet connection	Bolted
VALVE MATERIAL SPECIFICATION		
	PART	MATERIAL SPECIFICATIONS
15	Body	ASTM A 105
16	Bonnet	A216 Gr. WCB
17	Stem (ANTI BLOW OUT)	ASTM A 479 Gr. SS 316 (No Casting)
18	Disc (Plug Type)	ASTM A 479 Gr. SS 316 Stellited
	PART	MATERIAL SPECIFICATIONS
19	Disc Nut	ASTM A 479 Gr. SS 316
20	Body Seat Ring	ASTM A 479 Gr. SS 316 Stellited
21	Gland/Gland Flange	ASTM A 479 Gr. SS 316
22	Gland Packing	GRAFOIL
23	Stem seals	As per Manufacturer's recommendation
24	Stud bolts/Nuts	A 193 Gr B7/A 194 Gr 2H

25	Bonnets Gasket Type	SP WND CNAF filler + Inner and Outer SS316 ring
26	Seat and back seat arrangement	Renewable
27	Screw type	OS & Y
29	Position indicator	Open and close indicator required
30	Hand wheel	CS/MS coated with PVC grip

DATASHEET FOR SWING TYPE CHECK VALVE			
Sr.No	DESCRIPTION	SPECIFICATION	
GENERAL			
1	Valve Type	Swing Check Valve	
2	Valve Size	Vendor to Furnish	
3	Valve Pressure Class	300# /300# / 600#	
4	Design Standard(Guideline: PNGRB T4S Standard)	API 6D	
SERVICE CONDITIONS			
		For 300#	For 300# and 600#
5	Service	Natural Gas	Natural Gas
6	Design pressure	19 Bar-g	49 bar-g/98 bar-g
7	Design Temperature	-15 to 65 °C	-.15 to 65 °C
8	Operating Temperature	-10 to 50 Deg. C	-.10 to 50 °C
9	Fire safe design	API 6 FA' 2008	
VALVE CONSTRUCTION			
10	Location	Above Ground	Above Ground
11	Corrosion Allowance	1.5	1.5
12	Shut off Class	IV	IV
13	End Connections	Flanged End (As per ASME B 16.5) as per piping material specification	
14	Flange Facing	RF-125 AARH (ASME B 16.5)	
MATERIAL OF CONSTRUCTIONS			
15	Body	ASTM A 216 Gr. WCB (Charpy test at 0 Deg C)	ASTM A 352 Gr. LCB/LCC
16	Cover	ASTM A 216 Gr. WCB (Charpy test at 0 Deg C)	ASTM A 352 Gr. LCB/LCC
17	Disc/Plates	ASTM A 216 Gr. WCB +13 Cr Steel	ASTM A 352 Gr. LCB/LCC + 13 Cr. Steel
18	Body Seat ring	ASTM A 216 Gr. WCB +13 Cr Steel	ASTM A 352 Gr. LCB/LCC + 13 Cr. Steel
19	Disc Hinge	ASTM A 216 Gr. WCB +13 Cr Steel	ASTM A 352 Gr. LCB/LCC + 13 Cr. Steel
20	Hinge pin	ASTM A 479 Gr. SS410/SS316	
21	Stud Bolts & Nuts	ASTM A 193 Gr. B7/ASTM A 194 Gr. 2H, Hot Dipped Galvanized as per ASTM A 153.	ASTM A 320 Gr.L7 NUT: ASTM Gr. 7, Hot Dip Galvanized as per ASTM A 153.
22	Gasket	SS316 Spiral Wound with CNAF Filter	
23	Spring	SS316	

DATASHEET FOR WAFER TYPE CHECK VALVE (NRV) (2" & Above)

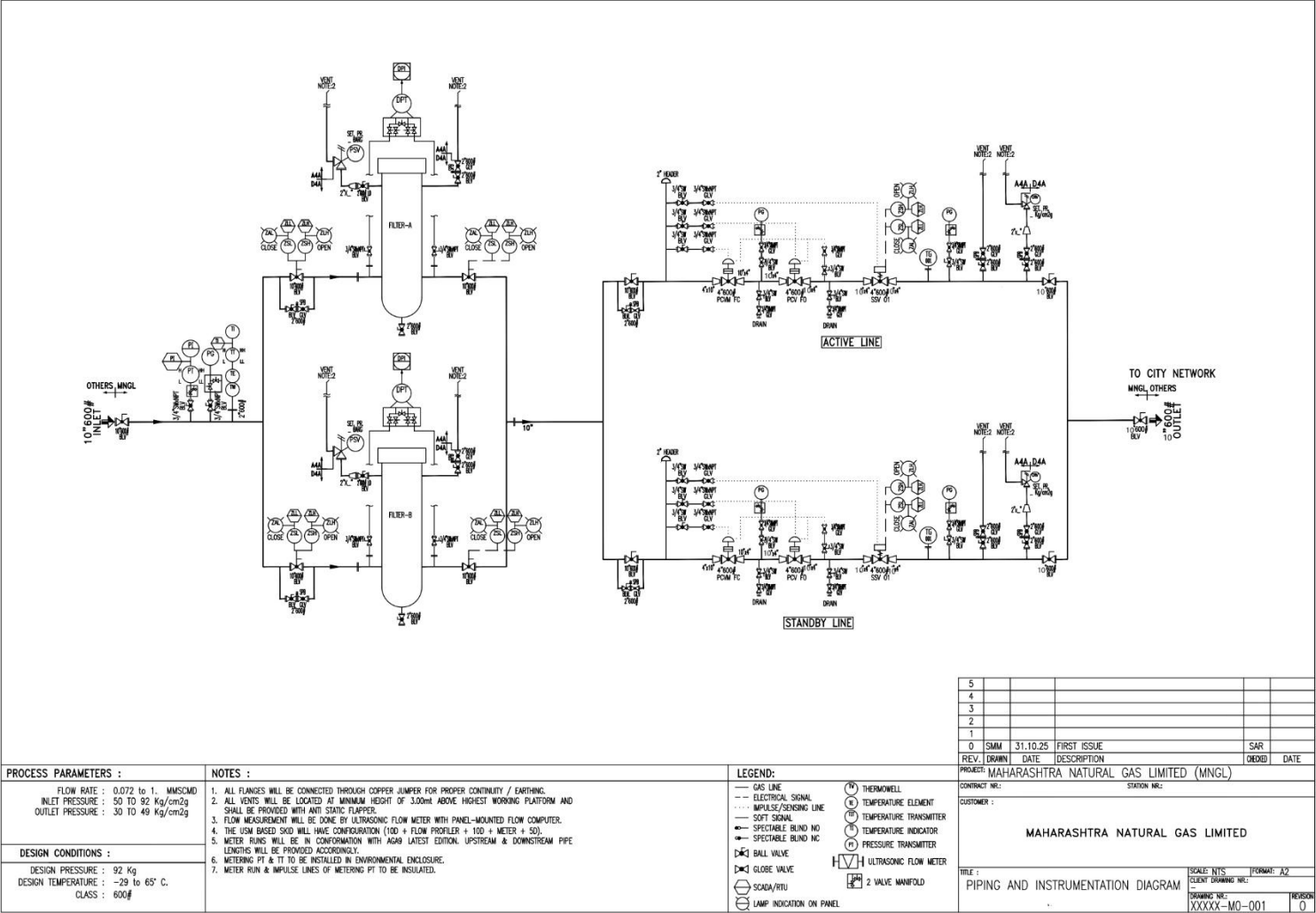
SR.NO	DESCRIPTION	SPECIFICATION	
GENERAL			
1	Tag No.	Vendor to furnish	
2	Valve Size	Vendor to Furnish	
3	Make	As per MNGL Approved Specification.	
4	Service	Natural Gas	
5	Governing Standard(Guideline: PNGRB T4S Standard)	API 6D	
SERVICE CONDITION			
		For 300#	For 300# and 600#
6	Design Pressure and Class	19 bar-g	49barg/98 bar-g
7	Design Class	300#	300#/600#
8	Design Temperature	0 to 65°C	-10 to 65°C
9	Operating Pressure	As per P & ID	As per P & ID
10	Operating Temperature	0 to 50°C	-10 to 50°C
11	Fire safe design	API 6 FA' 2008	
CONSTRUCTION OF VALVE			
12	Location	Above ground	Above ground
13	Valve Type	Wafer Type	Wafer Type
14	End Connections	Sandwich type	Sandwich type
15	Flange facing	RF-125 AARH(ASME 16.5),300#	BRF-125 AARH(ASME B 16.5) 300#/600#
16	Shutoff Class	IV	IV
MATERIAL OF CONSTRUCTION			
17	Body of material	ASTM A 216Gr. WCB with Charpy Test at 0 °C	ASTM A352 Gr. LCB/LCC
18	Disc / Plates	ASTM A 217 Gr. CA15	ASTMA182 F6 (13% Cr Steel)
19	Body Seat Ring	ASTM A216 Gr WCB+13% Cr.Steel	ASTMA 352 Gr LCB/LCC +13% Cr.Steel
20	Disc Hinges	ASTM A217 Gr. CA15/SS 316/ASTM A352 Gr. LCB/ A352 Gr.LCB/A352 Gr. LCB	
21	Hinges Pin	ASTM A 479 Gr. SS410/SS 316	
22	Holder	SS316	
23	Clip	SS316	
24	Spring	SS316/Inconel X 750	


VALVE TESTING REQUIREMENTS

25	Charpy Impact Test	All pressure containing part as per the MOC standard in case charpy test valve not specified in relevant codes and standards than charpy shall be carried at 0 °C and absorbed energy valves Shall be Average 35 J and Minimum 28 J Respectively
26	Hydro Test	
26a	Body Hydro	1.5X Design Pressure
26b	Seat Hydro	1.1 X Design Pressure
27	Marking and Painting	As per API 6D
28	Radiography	100% Applicable

DATASHEET RELIEF VALVES PROTECTION & SLAM SHUT VALVE		
SR. NO.	MNGL SPECIFICATION	REQUIREMENTS
RELIEF VALVE		
1	Relief Valve Protection	Against Downstream over pressure at low flows
2	Make	Reputed Make, to be approved by MNGL
3	Type	Suitable for required operation
4.	Maximum Capacity	1% of Stream fault capacity
5.	Standard (Guideline: PNGRB T4S Standard)	DIN 33821:2009 OR Equivalent
6.	Fire safe design	API 607 FA' 2008
SLAM SHUT VALVE		
6	Make	Reputed Make, to be approved by MNGL
7	Type/Model	Vendor to Specify
8	Body	ASTM A216 Gr WCB or equivalent to suitable for with standing the pressure & temperature Requirements
9	Accuracy	As per EN 14382:2009
10	Connection	Flanged 600#
11	Standards	EN 14382:2009
12	Fire safe design	API 607 FA' 2008

P&ID for PRS:



 MAHARASHTRA NATURAL GAS LIMITED	Tender for supply, installation & commissioning of a Pressure Regulating Skid (PRS) at GAIL's IP04 Shahapur for Nanded GA. Bid Doc. No. MNGL/CP/2025-26/132
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SECTION-VII

UNPRISED SCHEDULE OF RATES

Schedule of Rates (SOR) / BOQ is enclosed separately on e-tendering portal. following unpriced schedule of rates to be submitted along with Technical Bid duly filled in, quoted / not quoted:

BOQ No.	Item Description	Unit	Qty.	Quoted / Not quoted
1	Design, Engineering, Manufacturing, Testing, Name Plate Marking, Painting, Inspection, Packing & Forwarding, Transportation, Shipment, Calibration & Supply (including insurance, custom clearance, handling and unloading at port as well as at MNGL's Stores / Site (at IP4 Shahpur) of Pressure Regulating skid(1W+1S) and Spares, including assistance in configuration, interfacing, testing and commissioning, inclusive of comprehensive AMC for the first year. Process Data: Product: Natural Gas Flow: 1 MMSCMD Design Pressure (DP): 98 Kg/cm2g Design Class: 600# Design Temperature (DT): -29°C to +65°C Inlet Pressure (Min. & Max.): 50 to 98 Kg/cm2g Outlet Pressure (Min. & Max.): 45 to 49 Kg/cm2g	LS	01	

Notes:

1. Evaluation shall be done on an overall least cost basis to the Purchaser.
2. Bidder must quote for all items, including sub-items of the price schedule (SOR) / BOQ.
3. Bidder shall indicate the following rates considered in the prices indicated in the Price Schedule above.
4. Bidder shall note that any error in estimating these taxes & duties will be to Bidder's Account.
- a. Goods & Service Tax @-----
 Please indicate the break-up of the above GST as under:
 - i) CGST @ _____
 - ii) SGST @ _____
 - iii) IGST @ _____
 - iv) UGST @ _____

Seal & Signature of Bidder