

LIMITED TENDER ENQUIRY

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF GAS PIPE LINE SYSTEM

AT

INSTITUTE OF ADVANCED VIROLOGY

BIO 360 LIFE SCIENCES PARK

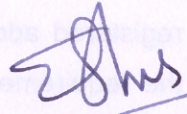
THONNAKKAL

THIRUVANANTHAPURAM-695317

Tender No.

Date of issue: 23.02.2022

Date of closing: 04-03-2022 at 1500 hrs


23/2/22

Institute of Advanced Virology Thiruvananthapuram invites sealed tender under Two-Bid system for **SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF GAS PIPE LINE SYSTEM** from contractors/firms who have executed works of similar nature and magnitude.

- i. Last date/time for submission of bids is **04-03-2022 at 1500 hours**. The bids are to be submitted in the tender box maintained at office of the Administrative Officer, Institute of Advanced Virology, Bio 360 Life Sciences Park, Thonnakkal, Thiruvananthapuram-695317.
- ii. Only those bidders, who qualify in the technical evaluation will be graduated to the opening of financial bids. In case of any holiday or unforeseen closure of the institute on the scheduled day of opening of the bids, the bids will be opened on the next working day at the same time, but the deadline for submission of bids remains the same as indicated above.
- iii. Bids received after the abovementioned date and time shall not be considered. Conditional bids will be rejected outright.
- iv. The responsibility of submission of the bids on or before the last date shall rest with the tenderer. The institute will hold no responsibility for the non-receipt of the bids or for the bids received after the date/time specified. Any bid received after the bid submission deadline prescribed by the Institute, shall not be considered.
- v. The institute will respond to any request for clarification of the Tender Document that are received up to **THREE (03) days** prior to the deadline for submission of bids prescribed. For this purpose, the prospective Bidder(s) requiring clarification shall notify/contact the Institute in writing at the registered address. The bidders are encouraged to visit the site and get acquainted with the requirements before submitting the bids. It shall be deemed that the contractor/agency has undertaken a visit to the Institute and is aware of the projected requirement and operational conditions prior to the submission of the tender documents and no claims will be entertained after submission of the contract.

BoQ

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF GAS PIPE LINE SYSTEM

- The tentative quantity of the items required is as follows:

SI No	Description of the item	Quantity* (Mtrs/Nos)
1	Copper pipe 22mm	270
2	Copper pipe 15mm	270
3	Copper pipe 12mm	20
4	Valve 15mm	1
5	Valve 12mm	6
6	Valve 22mm	7
7	1x1 carbon dioxide manifold with regulator	1
8	Single Cylinder carbon dioxide Manifold	1
9	Single phase Vacuum pump (2HP)	1

The pipes used shall made of copper complying with the following specifications:

- The copper pipes shall be manufactured from phosphorous de-oxidized non-arsenical copper of grade CW024A (Cu-DHP), manufactured EN 13348:2008 to metric outside diameters and having mechanical properties, pipes shall be of R250 (half-hard) temper.
- Pipes shall be degreased suitable for oxygen use and cleanliness is to be maintained by filling each pipe with dry, clean, oil and oxygen free nitrogen, fitting suitable end caps, and protectively wrapping.
- Solid drawn, seamless, deoxidized, non- arsenical, half-hard, tempered and degreased copper tubes manufactured to metric outside diameters and should have mechanical properties in accordance with HTM 02-01 and conforming to EN13348:2008
- All indigenous copper pipes should be inspected and certified by Third Party Inspecting Agency Lloyds' Register Services before dispatch and the pipes should be delivered capped at both ends. Imported Copper pipe should have equivalent certification.
- The pipes should also be accompanied with the manufacturer's test certificate for the physical and chemical composition. Copper Fittings should be as per HTM 02-01. All plastic saddles should have brass screws.

- The pipe sizes to be used are from among as under:
 - 22mm OD x 0.9 mm thick
 - 15mm OD x 0.9mm thick
 - 12mm OD x 0.7 mm thick
- Pipeline Fittings shall end feed type, manufactured from the same grade of copper as the pipes and be in accordance with the requirements of BS EN 1254-1:1998 Part 1. The manufacturing company should comply with BS EN ISO 9001:2000.
- Fittings should be factory degreased suitable for medical use. Copper fittings shall be made of copper (pipes made of alloy not permitted) and suitable for a steam working Pressure of 17 bar and specially made for brazed socket type connections.
- Line Valves shall be provided for use in plant rooms and to facilitate the isolation of areas or areas where area zone valves are unnecessary. These shall be of the ball valve type and shall be constructed of a nickel-plated brass body, PTFE seats and brass chrome plated ball. The valve shall be operated by a manual operating lever by 90° turn.
- Line valves shall be located in readily accessible areas of ducts and shafts, however, care should to ensure safety to prevent danger from leakage.
- Line valve installation should be carried out as per HTM 02-01 standards.
- Valve Size are indicated:
 - 12mm Ball Valve
 - 15mm Ball Valve
 - 22mm Ball Valve
- There shall be 1x1 single cylinder manifold with a suitable central regulator which can regulate the central line pressure between 3-8 bar. An emergency single cylinder manifold also to be provided as backup.
- There shall be a single phase central vacuum pump with capable of providing a suction output of 300mmHg(40kPA) at the terminal points.
- The accessories should comply the ISO standards.

Instructions to Bidders including Terms and Conditions

1. Scope of Bid

SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF GAS PIPE LINE SYSTEM
as per the specifications.

2. Cost of Bidding

2.1. The Bidder shall bear all costs associated with the preparation and submission of its bid and the IAV shall in no case be responsible or liable for those costs regardless of the conduct or outcome of the bidding.

3. Amendment in the Tender Document

3.1. At any time prior to the deadline for submission of bids, the IAV may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the Tender Document by way of amendment(s).

3.2. Amendments will be uploaded in the Institute website www.iav.kerala.gov.in and shall be binding on the bidders. Further, it will be assumed that the Bidder has taken into account such amendments while submitting the bid.

4. Language of Bid

4.1. The bid prepared by the Bidder and all correspondence and documents related to the tender exchanged by the Bidder and the IAV shall be in English and the contract shall be construed and interpreted in accordance with that language.

4.2. If any of the brochures, leaflets or communication is prepared in any language other than English, a translation of such document, correspondence or communication shall also be provided at the cost and risk of the bidder. The translation so provided shall prevail in matters of interpretation. The bidder, with respect to such documents, correspondence, and communications, shall bear the costs and risks of such translation.

5. Documents Comprising the Bid: All bids must be substantially responsive and shall comprise the Technical Bid and Commercial Bid in separate sealed covers suitably superscribed as Technical Bid and Commercial Bid. Cover 1 should contain the technical bid and Cover 2 should contain the commercial bids.

The technical bid should contain the documents to prove the eligibility criteria for the contractor/agency to participate in the tender.

6. Eligibility Criteria:

- a. The contractor/agency should have experience of executing works of similar nature and magnitude at central/state government organizations/hospitals.

- b. The contractor/agency should have the experience of similar works at **two similar institutions/worksites** (proof of experience such as workorder/agreement to be produced).
- c. The contractor/agency should have valid GST/PAN/ESIC/EPF registrations (proof to be submitted along with technical bids in cover 1).
- d. The contractor/agency should submitted **Rs.5,000/-** (Rupees Five thousand only) as Earnest Money Deposit (EMD) in the form of Demand Draft favouring the Director, Institute of Advanced Virology.
- e. The contractor/agency should furnish photocopies of the PAN,GST and TIN and other valid registrations towards operating the intended services.
- f. Any other information, which the contractor/agency wishes to provide.

7. Financial bid:

- a. The bidder shall quote the rates and amount in the format prescribed at Annexure I.
- b. Price shall be inclusive of all taxes.

OTHER TERMS AND CONDITIONS

- 1. Bid without EMD will be summarily rejected.
- 2. The successful bidder's EMD will be returned as promptly as possible, but not earlier than fifteen (15) days after the successful Bidder has executed the agreement and furnished the required performance security.
- 3. The EMD may be forfeited under the following circumstances:
 - (a) If a Bidder:
 - i. Withdraws its bid during the period of bid validity specified on the Bid Form or
 - ii. In the case of the successful Bidder, if the Bidder fails to sign the Contract and commence the work as per the prescribed schedule

or

4. **Period of Validity of Bids:** Bids shall remain valid for a period of 180 days after the date of deadline for submission of bids prescribed by the IAV.

5. Deadline for submission of Bids

- a. The IAV may, at its discretion, extend this deadline for submission of bids in which case allrights of the IAV and all obligations of the Bidders will thereafter be subject to the deadline as extended.

6. Opening and Examination of Bids

- a. The technical bids will be opened on the prescribed date and time as mentioned in the Bid document. Bidders or their representative may be present during the opening of technical bid, if they wish to be present following due COVID protocols.
- b. The IAV will evaluate the technical bids as per the terms of the tender. Those bids, whose technical bids fulfill the technical requirements and responsive to the tender requirements will be considered. Those bids which found to be either non-responsive, not satisfying the technical requirements or both will not be considered and will be rejected.
- c. The price bids of the bidders on the basis of evaluation as mentioned in will only be considered for the next stage of processing.
- d. The IAV will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required security has been furnished, whether the documents have been properly signed and whether the bids are generally in order.
- e. Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price, which is obtained by multiplying the unit price and quantity, or between subtotals and the total price, *the unit or subtotal price shall prevail* and the total price shall be corrected. If there is a discrepancy between words and figures, *the amount in words shall prevail*. If a Bidder does not accept the correction of errors, the bid will be rejected and its EMD may be forfeited.
- f. The IAV may waive any minor nonconformity or irregularity in a bid that does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
- g. Prior to the detailed evaluation, the IAV will determine whether each bid is complete and is substantially responsive to the Tender Document. For purposes of this determination, a substantially responsive bid is one that conforms to all the terms, conditions and specifications of the Tender Document without material deviations, exceptions, objections, conditionality or reservations. A material deviation, exception, objection, conditionality, or reservation is:
 - (a) One that limits in any substantial way the scope, quality, or performance of the equipment;
 - (b) One that limits, in any substantial way that is inconsistent with the Tender Document, the IAV's rights or the successful Bidder's obligations under the Contract: and
 - (c) One that the acceptance of which would unfairly affect the competitive position of other Bidders who have submitted substantially responsive bids.
- h. If a bid is not substantially responsive, it shall be rejected by the IAV and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

The IAV's determination of bid responsiveness will be based on the contents of the bid itself and any written clarifications submitted by the Bidder.

7. **Clarification of Bids:** During the bid evaluation, the IAV may, at its discretion, ask the Bidder for a clarification of its bid in writing/e-mail and the bidder has also required to provide the clarification in writing. No change in the price or substance of the bid shall be sought, offered or permitted.

8. **Evaluation of Responsive Bids:** The IAV will evaluate the bids that have been determined to be substantially responsive.

9. Contacting the Institute

a. From the time of bid opening to the time of Contract award, if any Bidder wishes to contact the IAV on any matter related to the bid, it shall do so in writing.

b. If a Bidder tries to directly influence the IAV or otherwise interfere in the bid evaluation process and the Contract award decision, his bid shall be rejected.

10. Award Criteria

IAV will award the contract to the Bidder whose bid has been determined to be substantially responsive and the Lowest Quoted Evaluated Bid.

11. Right to Accept/Reject/Modify Bids

a. The IAV reserves the right to accept or reject any bid or to annul the bidding process and reject all bids at any time prior to contract award, without thereby incurring any liability to the Bidders.

b. The IAV reserves the right to negotiate with the Bidder having the Lowest Evaluated Bid.

12. Award of Work Order

a. Prior to the expiration of the period of bid validity, the IAV will issue the Letter of Intent / Work Order to the successful Bidder in writing.

b. The Work Order will constitute the foundation of the Contract.

13. Contract Agreement

16.1 Within **Seven (07)** days of receipt of the Work Order, the successful Bidder shall execute an agreement with the Institute which will be framed as per the terms and conditions of the tender and work order.

14. Contract Documents

a. All documents forming part of the contract (and all parts of these documents) are intended to be correlative, complementary and mutually explanatory. The Contract shall be read as a whole.

b. The order of precedence of the Contract documents will be as follows:

- (i) Contract Agreement
- (ii) All other Forms
- (iii) Contractor's Bid
- (iv) Tender Document

15. Terms of Payment

Payment will be made only after completion of work in all aspects as per the tender specifications and after the testing and commissioning of the installations to the satisfaction of the officials of the Institute.

15. Governing Law: The Contract shall be governed by and interpreted in accordance with the laws of India.

16. Settlement of Disputes: Any dispute or claim arising out of/relating to this Contract or the breach, termination or the invalidity thereof, shall be settled by the Hon'ble Courts of Justice at Thiruvananthapuram.

17. The page number should be marked in all pages serially (including all supporting documents enclosed with the tender document) and the declaration for the same shall be submitted by the bidder as **Annexure II**.

18. Institute of Advanced Virology reserves the right to accept or reject any or all the tenders in part or whole or may cancel the tender at its sole discretion without assigning any reason whatsoever. No further correspondence in this regard will be entertained.

DETAILS OF THE FIRM

1	Name and Address of the bidder/firm	
2	Type of firm: Propriety/ Private/ Private Ltd/ MNC/ Cooperative /Govt.undertaking	
3	GST No	
4	Bank Account Details	
5	Has the firm ever been debarred/blacklisted by any government organisation/dept. If yes, give the details.	

ANNEXURE I

FINANCIAL BID

Name of work: **SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF GAS PIPE LINE SYSTEM** at phase 1 A building of Institute of Advanced Virology Thiruvananthapuram as per the following quantities:

SI No	Description of the item	Deno	Quantity	Rate	Amount
1	Copper pipe 22mm	Mtr	270		
2	Copper pipe 15mm	Mtr	270		
3	Copper pipe 12mm	Mtr	20		
4	Valve 15mm	Nos	1		
5	Valve 12mm	Nos	6		
6	Valve 22mm	Nos	7		
7	1x1 carbon dioxide manifold with regulator	Nos	1		
8	Single Cylinder carbon dioxide Manifold	Nos	1		
9	Single phase Vacuum pump (2HP)	Nos	1		
10	Other charges (if any) (Specify)				
TOTAL (in figures)					
TOTAL (in words)					

Note: The rate quoted should include the cost of items, transportation, loading/unloading, labour/installation charges and other incidental expenses involved for testing and commissioning.

Place:

(Authorised signatory)

Date:

UNDERTAKING BY THE TENDERER

I/We have carefully gone through the various terms and conditions mentioned in the tender document for the work titled **SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF GAS PIPE LINE SYSTEM** at Phase 1 A building of Institute of Advanced Virology, Bio 360 Life Sciences Park, Thonnakkal P.O, Thiruvananthapuram- 695317.

I am making this offer i.e Rs. _____ (Rupees _____) is after carefully reading the conditions and understanding the same. I have understood the magnitude of work, quantity of items/labour/other charges required to execute the work, before making this offer.

This tender document has _____ pages including the attachments and all the documents including blank pages are serially numbered.

I hereby sign this undertaking as token of our acceptance of various conditions mentioned in tender document.

Place : _____

Dated : _____ (Authorized Name & Signatory of Agency/firm with stamp)