

**Ref: INS/W-5064/2023-2024(M)**

**Tender Notice No.013/2023-2024**

**PUBLIC TENDER**

**2 Part Tender for Gas Line Work of ABSL-III Lab**

**Refer Annexure-A for Scope of Work/Bill of Quantity and important conditions**

**This tender document contains Total 15 pages**

**Tender Fee: Rs.1500/-+ 18% GST, Cost of Tender: Rs. 26.00 Lakhs, EMD amount: Rs.52,000/-**

**Last date for sale of Documents: 14/12/2023 till 14.00 hrs**

**Last date for submission: 15/12/2023 till 14.00 hrs**

**Tender opening date & time: On 15/12/2023 at 14.30 hrs**

**General Terms and Conditions:**

**Important instructions for the Tenderers: -**

**The details in regard to technical specification and other terms and conditions should be cogent and clear to the extent possible.**

**Tenders are invited under 2 part system from reputed Service providers/Suppliers for Supply, Installation, Commissioning and Technical Support for "GAS LINE WORK OF ABSL-III LAB".**

- 1.1 Quotations must be submitted giving complete details using enclosed tender papers.
- 1.2 The rates quoted should remain valid for a period of 180 days from the date of Price Bid opening.
- 1.3 Each page of the tender except the Price & Delivery part shall be on printed letterheads or forms and bear the signature, date, name and designation of the person signing the offer. If they are not on letterheads, a rubber stamp indicating full name, address and phone No., Telex No., Fax No. etc. of the firm shall be affixed at the end of each page.
- 1.4 Bids containing erasures or alterations are liable to be rejected unless countersigned by the authorized signatory.
- 1.5 All rates and total amount should be written both in figures and in words and if there is any discrepancy between the two, the lowest amount only will be considered.
- 1.6 We reserve the right to place order for part/reduced quantity than what is specified in the tender and also reserve the right to split the order to more than one supplier.
- 1.7 Please return/upload the tender papers including Conditions of Tender as well as the Annexures with your signature, rubber stamp and date affixed on each page.
- 1.8 All bids in response to this invitation of tender should be submitted in a manner and method specified above. Tender which do not comply with the above conditions are liable to be rejected.
- 1.9 Late and delayed tenders will not be considered. Therefore, tenderers shall ensure that the tenders are uploaded on or before the due date and time stipulated for receipt of bids.
- 1.10 Individuals signing the bid form and other supporting documents must specify the capacity in which they sign, like -
  - a) Whether signing as a Sole Proprietor of the firm or his attorney.
  - b) Whether signing as a partner of the firm or his attorney
  - c) Whether signing as Director of a Limited Company.
2. **CATALOGUE/TECHNICAL LITERATURE**  
All necessary catalogue/drawing literature/data and details of item/s as are considered to be essential for full and correct evaluation of the bid shall invariably accompany the bid.
3. **Micro and Small Enterprises (MSEs):**
  - a. Micro and Small Enterprises (MSE) must, along with their offer, provide proof of their being registered as MSE (indicating the terminal validity date of their registration) for the item tendered, with any agency mentioned in the notification of the Ministry of Micro, Small and Medium Enterprises (Ministry of MSME)



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- b. The MSEs are exempted from payment of earnest money and tender fees subject to furnishing of relevant valid certificate for claiming exemption as per privilege rules of Government of India.
- c. The bidder submits registration of Udyog Adhar Memorandum (UAM) by Ministry of Micro Small and Medium Enterprises (MSME) vendors on Central Public Procurement Portal (CPPP). The bidders who fail to submit UAM number shall not be able to avail the benefits available to MSEs as contained in Public Procurement Policy for MSEs Order 2012 issued by MSME.

#### 4. PRICE

**The Tenders to be quoted in INR. For imported goods, to be quoted in currency of the approved currency from RBI.** The price/s quoted shall be firm till the complete execution of the order. All details relating to price, price breakup, inland transportation, documentation, taxes and duties, levies, Road/AIR/Marine freight charges, delivery terms (ex-works/F.O.R/F.O.B/C.I.F.) mode of payment, mode of Despatch, Insurance, Agency Commission, if any, shall be paid after satisfactory installation & Commissioning of the goods. The quoted price should be supported with original proforma invoice. The proforma invoice should indicate the percentage of agency commission included in the FOB prices. Indian Agent to be paid in Indian currency.

For indicating the price, the tenderers may choose any/all of the following:

- Ex-works (all other charges to be indicated separately).
  - F.O.R. site (i.e. Freight, Packing & Forwarding, loading on to the transport, documentation etc. included.) Internal transportation, Freight, Insurance, etc. to be shown separately.
  - F.O.B (cost of goods, Packing & Forwarding, Inland Transportation, Documentation, etc. till the item is loaded on to the cargo carrier). Freight & Insurance charges to be separately indicated.
  - C.I.P (cost of goods, packing & forwarding, documentation, freight, insurance, etc. all included). However, freight & insurance charges to be indicated separately.
- INSURANCE TO BE COVERED TILL NCBS STORES.**

#### 5. ELIGIBILITY FOR PARTICIPATION: -

Eligibility Criteria: This invitation for bids is open to Original Manufactures (OEM) /Authorized Dealers/Authorized Distributors/Subsidiary Indian Company of the OEM /Indian Agent on behalf of the Foreign Manufacturer or Principals of the tendered equipment. The bidder must be legal entity having a Permanent Account Number (PAN), Certificate of Incorporation, and Valid GST Registration Certificate is to be submitted

- This invitation is for "Class - I" and "Class - II" Suppliers as prescribed in "Public Procurement (Preference to Make in India) order 2017 of GOI. Dept of DIPP" (OM No. P-4502/2/2017-PP(BE-II) dated 16<sup>th</sup> September, 2020. Necessary certification for local content must be submitted by the prospective bidders strictly as per Annexure attached with the tender document.
- For indicating the price, the tenderers may choose any/all of the following: The 'Class-I Local Supplier' / 'Class-II Local Supplier' at the time of tender, bidding or solicitation shall be required to indicate percentage of local content and provide self-certification that the item offered meets the local content requirement for 'Class-I Local Supplier' / 'Class-II Local Supplier' as the case may be.



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- iii. Indigenous manufacturers and their authorized dealers are eligible and they will be considered as Local Supplier Class – I/II for price preference as per GOI Notification vide OM bearing No. F-45021/2/2017-PP(BE-II) dated 04th June, 2020 and again on 16th September 2020 issued by Department of Industry and Internal Trade (Public Procurement Section), Ministry of Commerce & Industry, Govt. of India.
- iv. NON-LOCAL Suppliers are also eligible for participation in the tender as per relaxation on Global Tender Enquiry (GTE) on 371 Medical Devices Equipment as per OM. No.F.4/1/2022-PPD(Pt.) dt.21/06/2022 which will be exempted from the Instructions issued vide OMs No. F/12/17/2019-PPD dt.15.05.2020 & 28.05.2020 regarding GTEs.
- v. In pursuant of the clarification vide GOI Notification vide OM bearing No.P-45021/102/2019-PP(BE-II) (E-29930) dated 26.11.2020 issued by Public Procurement Section, Department of Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, GOI that bidders offering imported products will fall under the category of Non-Local Suppliers and they can't claim themselves as Class – I Local Supplier / Class – II Local Supplier by claiming profit, warehousing, marketing, logistic, freight etc., as Local Value addition.
- vi. In pursuant of the OM bearing No.F.N.6/18/2019-PPD dated 23.07.2020 issued by Public Procurement Div., Department of Expenditure, Ministry of Finance, Govt. of India the manufacturer/supplier are not eligible for participation if they are from such country which shares the land border with India. Offered items manufactured in such countries will not be considered.
- As per O.M No. F.No.6/18/2019-PPD, dt.23/07/2020, the following condition to be fulfilled and the bidder to submit the following declaration on their Letter head.
- I. 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 Competent Authority.
- II. "Bidder" (including the term 'tenderer', 'consultant' or 'service provider' in certain contexts) 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.
- III. "Bidder from a country which shares a land border with India" for the purpose of this Order means: -
- An entity incorporated, established or registered in such a country; or
  - A Subsidiary of an entity incorporated, established or registered in such a country; or
  - An entity substantially controlled through entities incorporated, established or registered in such a country; or
  - An entity whose beneficial owner is situated in such a country; or
  - An Indian (or other) agent of such an entity; or
  - A natural person who is a citizen of such a country; or



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A consortium or joint venture where any member of the consortium or joint venture falls under any of the above.

6. The taxes (State, Central, Turnover tax, Works Contract Tax, etc.). Please specify which are applicable. The duties and other levies, freight, insurance shall be stated clearly and separately. Also please mention whether the same is included in the price/s quoted.

7. **VALIDITY OF BIDS**

**The bids shall be valid for a period of at least 180 days from the date of opening of the Price bids. Bids with shorter validity period are liable for rejection.**

8. **DELIVERY**

The tenderer should clearly mention the time required for supplying the item. The period of delivery will be counted from the date of receipt of the order. The delivery date is the date at which the equipment should be delivered at inStem.

9. **PACKING**

The item should be packed appropriately so that it can sustain transit hazards, multiple landing, warehousing, etc. during transit.

10. **PLACE OF DELIVERY**

**ALL DELIVERIES shall be effected to the INSTITUTE FOR STEM CELL SCIENCE AND REGENERATIVE MEDICINE, GVKK Campus, Bellary Road, Bangalore-560065.**

11. **GUARANTEE/WARRANTY**

The item/s covered under this tender shall be subject to a guarantee for trouble free performance, workmanship, material etc., fulfilling the specifications mentioned in this tender for **36 months** from the date of commissioning. If any defect is found in the material, workmanship or performance during the guarantee period the same may either be repaired/replaced by the supplier as the case may be free of charge. The guarantee period for replacement of parts or repair work shall be same as above. A guarantee certificate to this effect should be forwarded to us with your invoice. For order placed on foreign suppliers, the supplier shall specifically confirm that their Indian representatives, if any, will provide with after sales service and will attend to any repairs or technical problems that may arise.

12. **PERFORMANCE B/G**

The successful bidder shall have to execute a performance B/G in accordance with the guarantee/warranty for 10% value of the order. This B/G has to be executed on an appropriate value of stamp paper in terms of a bank guarantee drawn on any Nationalized Bank and shall remain valid till the completion of the Defect Liability period/warranty period, with **6 months** claim period.

13. **TAXES AND DUTIES**

The Institute shall deduct all taxes and duties, as applicable, from time to time from the bills payable. Income Tax at the applicable rates as per the Indian Income Tax Act 1961 will be deducted at source for the services availed / ordered. In case of service provider, the rate of tax deduction shall be at 2% as per Section 194C, and in case of fee for professional / technical services under section 194J, the tax reduction shall be at the rate of 10%. The fee for technical service under section 194J shall be subject to TDS at the rate of 2%. In case service provider does not



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provide PAN number, the deduction shall be at 20% under section 206 AA. -Tax Deduction Certificates will be provided on request for non PAN-holders & Foreign Vendors and PAN holders could avail them through NSDL site dealing with 26AS.

14. **PAYMENT TERMS**

90% against delivery; balance 10% payable after installation subject to receipt of PBG for 10% order value, trail run and subject to acceptance by the group head through SAI and all other relevant documents, with Performance Bank Guarantee. The percentage of PBG will be determined based on the prevailing rules as of date of finalization of the tender. All claims shall cease as per the Limitation Act.

15. **CLARIFICATIONS**

After opening the bids, if it becomes necessary for the purchaser to seek clarifications from the bidders, the same will be sought from the bidders. In such an event, the bidders will furnish all technical information / clarifications to the purchaser to reach on or before the due date fixed for that purpose, indicating the Purchaser's tender reference. If the technical clarifications sought do not reach on or before the date fixed, the bids shall be summarily rejected without any further notice.

16. **RISK CLAUSE**

Notwithstanding the other terms therein, the Centre at its option will be entitled to terminate the contract and to avail from elsewhere; at the risk and cost of contractor; either the whole of the contract or any part which the contractor has failed to perform within the time stipulated or if the same performance is not available, the best and the nearest available substitute thereof. The contractor shall be liable for any loss which the Centre may sustain by reason of such risk contract in addition to penalty.

17. **DISPUTE AND RESOLUTION**

Any dispute or differences that may arise between the parties that cannot be settled by mutual discussion at appropriate levels shall be referred to the sole arbitration of the Director, inStem or his nominee and his decision in the matter shall be final and binding upon the parties to the dispute. The venue for arbitration proceedings shall be Bangalore. In respect of any matters pertaining to such arbitration, the courts of law in Bangalore will have exclusive jurisdiction. This arbitration agreement (hereinafter referred to as this "Agreement") relating to this Contract (hereinafter called the "Main Agreement" for this agreement) is made under the provisions of the Arbitration and Conciliation Act, 1996 as amended from time to time and the rules thereunder (hereinafter called the Arbitration Act).

18. The Price shall be FOR INSTEM Stores.

19. INSTEM reserves the right to split the quantities or reject one or more offers in full or part without any reasons. Therefore, INSTEM decision is final and binding.

20. The quantity mentioned in the tender may be decreased/increased while ordering. However, the price quoted should be firm irrespective of change in the quantity.

21. **ACCEPTANCE OF TENDERS**

INSTEM does not pledge itself to accept the lowest/ any tenders and reserves to itself the right to accept the whole or part of the tenders or a part of the quantity offered.

22. Your Service Engineer should be fully trained to install the equipment and capable of maintaining the equipment during / after the warranty period.



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**23. LIQUIDATED DAMAGES**

The successful bidder will have to agree that in case the item is not supplied within the agreed delivery schedule and after a grace period of seven days, then Liquidated Damages (not in terms of penalty) will be imposed automatically and be deducted from their bill at the rate of 0.5% per week subject to a maximum of 10% of the order value.

24. Please enter unit price, Total Price and Grand Total in figures as well as words. Unit price and Total Price may be entered below each item.

25. Since we are a public funded research institution, we are exempted from paying Customs Duty (Except advalorem duty of 5% + 2% cess and 1% Cess Sec & High Edu. CESS vide Notification No.51/96 Customs dt: 23.07.1996, Notfn No. 28/2003- custom dt.: 01.03.2003, Notfn., as amended from time to time for research purposes only. This Registration is subject to terms and conditions mentioned overleaf. This registration is valid up to 31.08.2025).

**26. FORCE MAJEURE CLAUSE:**

a) Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable. Such events may include, but are not restricted to the acts of the purchaser either in its sovereign or contractual capacity, wars or revolution, hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lock-outs, and freight embargoes. However, it should not be used by a party to effectively to escape liability for bad performance.

If there is delay in performance or other failures by the supplier to perform its obligation under its contract due to event of a Force Majeure, the supplier shall not be held responsible for such delays/failures.

If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof within 21 days of occurrence of such event with reasonable evidence thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means of performance not prevented by the force majeure event.

If the performance in whole or in part or any obligation under this contract is prevented or delayed by any reason of force majeure for a period exceeding 90 days, either party may at its option terminate the contract without any financial repercussion on either side.

b) There may be a Force Majeure situation affecting the institute only, under which the institute shall have equal rights to claim relief under such Force Majeure situations.

27. Debarment of bidders by the institute for committing of offences or breach of contract will be governed by the provisions of Government of India, Ministry of Finance, Department of Expenditure, Procurement Policy Division OM No. F/1/20/2018-PPD dated 02.11.2021 / relevant GFR provisions and based on approval of Nodal Ministry.

For and on behalf of  
Institute for Stem Cell Science and Regenerative Medicine

Sr Admin Officer-Purchase

GKVK, Bellary Road, Bangalore 560 065. India

Phone +91-80-61948096/8097/8098.

[purchase@instem.res.in](mailto:purchase@instem.res.in) . [www.instem.res.in](http://www.instem.res.in)



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**ANNEXURE A – SCOPE OF WORK/BILL OF QUANTITY**

ABSL-III			
Gas line work			
Sl No	Description	Qty	Unit
<b>A. CO2 manifold System (with 1 + 1 Manifold)</b>			
1	CO2 Manifold (1 + 1): Supply, Installation, testing and commissioning (SITC) of CO2 Gas Manifold system to house one working + one standby standard CO2 cylinders. The manifold shall be made out with well finished rigid MS support structure using square pipes of size min. 50mm X 3mm thickness . The manifold shall have a suitably mounted SS board of min 304 Grade, 3 mm thick and sufficiently sized, to house the Isolator Valves, On-board manifold piping, auto-change over set-up, header pipe line, main isolator and safety pressure relief valve etc. Manifold should have rack valve for each cylinder, master pressure gauges of 4" diameter for each bank to indicate bank pressure and line pressure, stainless steel high pressure non-return valve, master filter, double-stage cylinder regulators with isolation valve and cylinder mounting stand with appropriate fittings. Each cylinder shall have its own dedicated space with easy cylinder replacement provision and its own SS chain link holding system. The manifold system and the components used therein shall be rated for 250 bar pressure rating. The manifold system shall be floor/ wall mounted as per standard practice with sufficient grouting/fixing arrangements. The manifold system shall be designed to match the site requirements. NOTE: SITC of Approved make interconnecting tubing for the items / Equipments mounted on the Manifold system with suitable size SS 316 tubes ( ¼" and ½" dia.) is covered under the scope of this item. This includes all the compression connectors, end caps and tubing for pressure relief valve , appropriate "T" and Union connectors, and its outlet connection to building's external atmosphere . The P&ID of the manifold should be submitted.	1	Set
2	SITC of SS 316 CO2 Gas in-line filter, 7 micron, with end compression connector, bull nose adaptor matching to the application / usage, 250 Bar rated. The inline filter should be compatible to connect with direct cylinder hose pipe.	2	No's
3	SITC of 1m long, 250 Bar rated, Flexible Teflon tube stub with SS external braiding with appropriate fittings and connectors to connect CO2 cylinder direct along with line filters.	2	No's
4	SITC of 250 Bar rated, SS 316 Ball Valve, with appropriate fittings and connectors.		
	a. ¼" diameter	10	No's
	b. ½" diameter	4	No's
5	FULLY AUTOMATIC CHANGEOVER REGULATOR with Electronic and manual Control option for the change over of Cylinder Banks: SITC of SS 316, Automatic Changeover regulator (primary), Diaphragm sensed & spring loaded, with preset flow, inlet pressure of 250 Bar and outlet pressure of 0 to 10 Bar with fitted Pressure gauges for inlet and one outlet readings, with end connectors, mounting bracket, complete. The changeover of Cylinder banks should be electronically controlled with appropriate pressure transmitters and diaphragm valves. The system should have redundancy for changeover regulation. The P& ID diagram of the auto-change over regulator should be submitted.	1	Set



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6	SITC of SS316, Line Pressure Transmitter with Potential NO/NC contact for facilitating alarm generation on emptying of the cylinder, suitable for the specific application, with end compression connectors, and other required accessories. The Pressure Transmitter shall have standard set point for the specific application required. The system should have electronic controller to Monitor Cylinder and Line Pressure of each cylinder Banks. The system should generate audio/visual alarm for any deviation in set point pressure. The system should facilitate the connectivity for the Building Management System. The Line Pressure Transmitter and pressure indicating display should be mounted in gas manifold.	1	No
7	SITC of SS316 Pressure relief safety valve with Alarm option for pressure relief in the system, set at 20 bar, on the outlet side of regulator. The valve shall have a potential free NO contact for utilization to generate Alarm in the event of actuation of pressure relief valve. The outlet shall be tubed out to building's external ambient as a safety measure.	1	No
8	SITC of SS316 tubing system, Solid drawn, seamless, deoxidized, non- arsenical, half hard, tempered and degreased, rated for 250 Bar pressure, including all the required compression tube fittings / connectors, ferrule fittings, instrument pipe fittings etc, as required at site and as required for the application to complete the work. Each tube line shall be clamped with appropriate size clamps, mounted on GI Slotted rails, with all the required fasteners. The entire tubing system shall be mounted on the wall / from the ceiling with screw rods and GI rails with expansion bolts / grouting as per standard practice. Gas tubing lines shall not sag and supporting shall be provided in intervals of less than 1.5m distance. The GI rails should be capable to hold 6 no's of 1/2" tubing in parallel for future purpose. The formation and installation of the entire tubing system should be properly mounted and aesthetically finished. Each tubing line shall carry permanent labeling and directional flow marking and be suitably color coded for the application. Work shall be complete in all respects including thorough degreasing and clearing of all particulate matter.		
	a. SS 316, 1/2" diameter	120	meters
	b. SS 316, 1/4" diameter	40	meters
9	SITC of SS 316, CO2 gas secondary regulator, Diaphragm sensed & spring loaded, with preset flow rate. The regulator should operate at 0-20Bar Inlet and outlet pressure of 0 to 10 Bar fitted Pressure gauges for inlet and outlet pressure readings, mounting brackets, complete. The Regulator should have a 1/4" single stage with double gauge to indicate line pressure and outlet pressure, safety relief valve. The inlet should have double ferrule compression fitting and outlet should have universal nipple fitting to connect 6mm to 12mm hose fitting.	10	No's
10	SITC of 500 Watt, 230 Volt Centralized heater module suitable for CO2 gas line system with inbuilt heater ON/OFF control, indication for 250 Bar line pressure with end compression connectors. The CO2 heater should be mounted in gas manifold.	1	
<b>B. Carbogen System (with 1 + 1 Manifold)</b>			
1	Carbogen Manifold (1 + 1):	1	Set





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	<p>Supply, Installation, testing and commissioning (SITC) of CO<sub>4</sub> Gas Manifold system to house one working + one standby standard CO<sub>4</sub> cylinders. The manifold shall be made out with well finished rigid MS support structure using square pipes of size min. 50mm X 3mm thickness. The manifold shall have a suitably mounted SS board of min 304 Grade, 3 mm thick and sufficiently sized, to house the Isolator Valves, On-board manifold piping, auto-change over set-up, header pipe line, main isolator and safety pressure relief valve etc. Manifold should have rack valve for each cylinder, master pressure gauges of 4" diameter for each bank to indicate bank pressure and line pressure, stainless steel high pressure non-return valve, master filter, double-stage cylinder regulators with isolation valve and cylinder mounting stand with appropriate fittings. Each cylinder shall have its own dedicated space with easy cylinder replacement provision and its own SS chain link holding system. The manifold system and the components used therein shall be rated for 250 bar pressure rating. The manifold system shall be floor/ wall mounted as per standard practice with sufficient grouting/fixing arrangements. The manifold system shall be designed to match the site requirements.</p> <p>NOTE: SITC of Approved make interconnecting tubing for the items / equipments mounted on the Manifold system with suitable size SS 316 tubes ( ¼" and ½" dia.) is covered under the scope of this item. This includes all the compression connectors, end caps and tubing for pressure relief valve, appropriate "T" and Union connectors, and its outlet connection to building's external atmosphere. The P&amp;ID of the manifold should be submitted.</p>		
2	SITC of SS 316 CO <sub>4</sub> Gas in-line filter, 7 micron, with end compression connector, bull nose adaptor matching to the application / usage, 250 Bar rated. The inline filter should be compatible to connect with direct cylinder hose pipe.	2	No's
3	SITC of 1m long, 250 Bar rated, Flexible Teflon tube stub with SS external braiding with appropriate fittings and connectors to connect CO <sub>4</sub> cylinder direct along with line filters.	2	No's
4	SITC of 250 Bar rated, SS 316 Ball Valve, with appropriate fittings and connectors.		
	a. ¼" diameter	10	No's
	b. ½" diameter	4	No's
5	FULLY AUTOMATIC CHANGEOVER REGULATOR with Electronic and manual Control option for the change over of Cylinder Banks: SITC of SS 316, Automatic Changeover regulator (primary), Diaphragm sensed & spring loaded, with preset flow, inlet pressure of 250 Bar and outlet pressure of 0 to 10 Bar with fitted Pressure gauges for inlet and one outlet readings, with end connectors, mounting bracket, complete. The changeover of Cylinder banks should be electronically controlled with appropriate pressure transmitters and diaphragm valves. The system should have redundancy for changeover regulation. The P& ID diagram of the auto-change over regulator should be submitted.	1	Set
6	SITC of SS316, Line Pressure Transmitter with Potential NO/NC contact for facilitating alarm generation on emptying of the cylinder, suitable for the specific application, with end compression connectors, and other required accessories. The Pressure Transmitter shall have standard set point for the specific application required. The system should have electronic controller to Monitor Cylinder and Line Pressure of each cylinder Banks. The system should generate audio/visual alarm for any deviation in set point pressure. The system should facilitate the connectivity for the Building Management System. The Line Pressure Transmitter and pressure indicating display should be mounted in gas manifold.	1	No



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7	SITC of SS316 Pressure relief safety valve with Alarm option for pressure relief in the system, set at 20 bar, on the outlet side of regulator. The valve shall have a potential free NO contact for utilization to generate Alarm in the event of actuation of pressure relief valve. The outlet shall be tubed out to building's external ambient as a safety measure.	1	No
8	SITC of SS316 tubing system, Solid drawn, seamless, deoxidized, non- arsenical, half hard, tempered and degreased, rated for 250 Bar pressure, including all the required compression tube fittings / connectors, ferrule fittings, instrument pipe fittings etc, as required at site and as required for the application to complete the work. Each tube line shall be clamped with appropriate size clamps, mounted on GI Slotted rails, with all the required fasteners. The entire tubing system shall be mounted on the wall / from the ceiling with screw rods and GI rails with expansion bolts / grouting as per standard practice. Gas tubing lines shall not sag and supporting shall be provided in intervals of less than 1.5m distance. The GI rails should be capable to hold 6 no's of 1/2" tubing in parallel for future purpose. The formation and installation of the entire tubing system should be properly mounted and aesthetically finished. Each tubing line shall carry permanent labeling and directional flow marking and be suitably color coded for the application. Work shall be complete in all respects including thorough degreasing and clearing of all particulate matter.		
	a. SS 316, 1/2" diameter	120	meters
	b. SS 316, 1/4" diameter	40	meters
9	SITC of SS 316, CO4 gas secondary regulator, Diaphragm sensed & spring loaded, with preset flow rate. The regulator should operate at 0-20Bar Inlet and outlet pressure of 0 to 10 Bar fitted Pressure gauges for inlet and outlet pressure readings, mounting brackets, complete. The Regulator should have a 1/4" single stage with double gauge to indicate line pressure and outlet pressure, safety relief valve. The inlet should have double ferrule compression fitting and outlet should have universal nipple fitting to connect 6mm to 12mm hose fitting.	10	No's
C	<b>Compressed Air Gas</b>		
1	SITC of SS316 tubing system, Solid drawn, seamless, deoxidized, non- arsenical, half hard, tempered and degreased, rated for 250 Bar pressure, including all the required compression tube fittings / connectors, ferrule fittings, instrument pipe fittings etc, as required at site and as required for the application to complete the work. Each tube line shall be clamped with appropriate size clamps, mounted on GI Slotted rails, with all the required fasteners. The entire tubing system shall be mounted on the wall / from the ceiling with screw rods and GI rails with expansion bolts / grouting as per standard practice. Gas tubing lines shall not sag and supporting shall be provided in intervals of less than 1.5m distance. The GI rails should be capable to hold 6 no's of 1/2" tubing in parallel for future purpose. The formation and installation of the entire tubing system should be properly mounted and aesthetically finished. Each tubing line shall carry permanent labeling and directional flow marking and be suitably color coded for the application. Work shall be complete in all respects including thorough degreasing and clearing of all particulate matter.		
	a. SS 316, 1/2" diameter	120	meters
2	SITC of SS316, 1/2" dia., 250 Bar rated, Ball Valve with position locking arrangement, with end compression connectors, and a tubing outlet with 1/2" nipple connector / thread, complete		
	a. 1/2" diameter	4	Set
3	SITC of Compressed Air regulator with moisture filter with end fittings.	3	No's
	<b>Installation, Commissioning, Testing and Civil Work Charges</b>	1	



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**Important Conditions of Contract:**

1. All the (Union and 'T' type) joints and tapings in the tubing lines of pressurized gas system shall have to be done mainly using orbital welding and for some places where welding is practically not possible, compression tube fittings can be used of approved make.

All the connectors and joints must be Teflon tape/glue free.

2. The Vendor should have executed gas line work in Bio safety labs (BSL-II and above). The work completion certificate should be submitted

3. All the systems shall be pressure tested minimum 1.5 to 2 times the working pressure, which shall be witnessed by inStem Engineers. Leaks, if any, shall be arrested and the system shall be subjected for standard test once again. A test certificate shall be issued after successful test for each section of tubing and whole system. The entire system should be tested with helium gas for leakage testing, with pressure lock period of 12 hours

4. All the items used, works carried out and the testing shall be confirming to the latest and relevant standards of the industry. The items should be CE/ISO Certified

5. The equipment and materials used shall be of approved make and BSL-III and ABSL-III compliant.

6. The contractor should ensure implementation of best safety procedures and precautions while working at campus. Safety of equipment, staff and materials used by the contractor shall be the whole responsibility of the contractor. inStem is in no way responsible for this.

7. Contractor is responsible for meeting all the statutory and safety norms in this nature of work.

8. Different gas systems shall be suitably color coded as per standard practice and all the lines shall be labeled with permanent label along with directional flow marking.

9. The vendor should include the below mentioned points in the main scope of work.

\* Installation and removal of High ladder/scaffolding for the double height areas

\* Core cutting of wall/floor wherever required and making good after the work.

\* Safety measures like safety belt, Helmet, goggles, other PPE for the staff deputed for work

\* Cutting of false ceiling wherever required and making good after the work,

\* The vendor has to properly seal the core cutting/wall opening/ mounting bracket wherever required in containment area.

10. Vendor should assure that there should not be any damage to INSTEM property during the work or by the staff.

11. Warranty of the system should be 3 years.

**SITC means Supply, Installation, Testing and Commissioning**

**Vendors should compulsorily visit the site to understand the requirement before they quote.**

**Final measurement will be taken and will be paid at actuals**



**Ref: INS/W-5064/2023-2024(M)**

**Tender Notice No.013/2023-2024**

**Declaration of Compliance of Order (Public Procurement No.1, 2 & 3) dtd 23-Jul-2020 & 24 Jul 2020 on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017.**

This declaration must form part of all tenders & it contains general information and serves as a declaration form for all bidders. (Before completing this declaration, bidders must study the General conditions, Definitions, Govt Directives applicable in respect of Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 & prescribed tender conditions).

**DECLARATION BY AUTHORISED SIGNATORY OF THE FIRM**

I, the undersigned, ..... (full names), do hereby declare, in my capacity as ..... of M/s. .... (name of bidder entity), that:

- 1) The facts contained herein are within my own personal knowledge.
- 2) I have read the Order (Public Procurement No.1, 2 & 3) dtd 23 Jul 2020 & 24 Jul 2020 on the subject of Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017 regarding restrictions on procurement from a bidder of a country which shares a land border with India and comply to all the provisions of the Order.
- 3) I certify that M/s. .... (name of bidder entity) ***is not from such a country or, is from such a country (strike out whichever is not applicable)***, has been registered with the Competent Authority. I hereby certify that the SUPPLIER fulfills all requirements in this regard and is eligible to be considered. (Where applicable, evidence of valid registration by the Competent Authority is attached).
- 4) I understand that the submission of incorrect data and / or if certificate / declaration given by M/s. .... (name of bidder entity) is found to be false, this would be a ground for immediate termination and further legal action in accordance with law as per clause 12 of the Public Order on Restrictions under Rule 144 (xi) of the General Financial Rules (GFRs), 2017.

**AUTHORISED SIGNATURE:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**Seal / Stamp of Bidder**



**Ref: INS/W-5064/2023-2024(M)**

**Tender Notice No.013/2023-2024**

**Bid Security Declaration for Order Value > Rs.5 Lakh**  
**(to be submitted on Company's Letter Head)**

I/We the undersigned hereby declare that if we withdraw or modify the bids during the period of its validity, or if we are awarded the contract and fail to sign the contract, or to submit a performance security before the deadline defined in the request for bids document or fail to execute the contract, we will be suspended for the period of time specified in the request for bids document from being eligible to submit bids for contracts with the entity that invited the bids.

Name and Signature  
of Authorized Signatory  
and Company Seal



**Ref: INS/W-5064/2023-2024(M)**

**Tender Notice No.013/2023-2024**

**Certificate for Local Content**

“We (name of manufacturer) hereby confirm in respect of quoted item(s) that Local Content is equal to or more than 50% and come under “Class-I Local Supplier” Category. As being “Class – I Local Supplier”, we are eligible for Purchase Preference under “Make in India” Policy vide GOI Order No.P-45021/2/2017-PP (B.E.-II) dated 15.06.2017 (subsequently revised vide orders dated 28.05.2018, 29.05.2019 and 04.06.2020).

OR

“We (name of manufacturer) hereby confirm in respect of quoted item(s) that Local Content is more than 20% but less than 50% and come under “Class-II Local Supplier” Category.

The details of the location (s) at which the local value addition made is/are as under:

- 1.
- 2.
- 3.

\*Strike out whichever is not applicable

Date:

Seal & Signature of the Bidder

**NOTE:**

1. Self-certification that the item offered meets the minimum local content (as above) giving details of the location(s) at which the local value addition is made in case the bidder wishes to avail the benefits under the make in India policy, if applicable.
2. In cases of procurement for a value in excess of Rs.10 crores, the local supplier shall be required to provide a certificate from the statutory auditor or cost auditor of the company (in the case of companies) or from a practicing cost accountant or practicing chartered accountant (in respect of suppliers other than companies) giving the percentage of local content to avail the benefits under the make in India Policy, if applicable.



**Ref: INS/W-5064/2023-2024(M)**

**Tender Notice No.013/2023-2024**

**DECLARATION BY AUTHORISED SIGNATORY OF THE FIRM**

I, the undersigned, ..... (full names),  
do hereby declare, in my capacity as .....  
of M/s ..... (name of bidder entity), that:

- 1) The facts contained herein are within my own personal knowledge.
- 2) I have read the Order and provisions of Government of India, Ministry of Finance, Department of Expenditure, Procurement Policy Division OM No. F/1/20/2018-PPD dated 02.11.2021 and confirm that I/we have not been convicted of an offence and not engaged in any of the acts as mentioned below:

A bidder shall be debarred if he has convicted of an offence-

(a) under the Prevention of Corruption Act, 1988:

or

(b) the Indian Penal Code or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a Public Procurement Contract

AUTHORISED SIGNATURE:

DATE: \_\_\_\_\_

Seal / Stamp of Bidder



