



**NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION
AND RESEARCH (NIPER)
Sector 67, S.A.S. Nagar (Mohali)
Telephone No. 2214682-87, Fax No. 0172-2214692**

No. NIPER/PUR/NIQ22197/

Date 04.07.2024

Subject: Supply installation testing and Commissioning of Gas Tubing with Allied Accessories and works in Block C Lab 303, 305, 310 at NIPER , SAS Nagar.

NIPER invites sealed tenders in two bid system for **Supply installation testing and Commissioning of Gas Tubing with Allied Accessories and works in Block C Lab 303, 305, 310 at NIPER , SAS Nagar**. Detailed terms and condition are enclosed for your reference.

You are, therefore, requested to send us your sealed offer for the same in two bid system as follow:

1. **Envelope –I: TECHNICAL BID (BID-I)** Eligibility criteria documents along with Technical Bid duly signed and stamped on all pages in token of having accepted all the terms and conditions of NIPER Mohali, Self-attested copies of all supporting document also enclosed along with Technical bid.
2. **Envelope-II: FINANCIAL BID (BID –II)** Containing price details as per Financial Bid format attached.

Financial bid of parties who qualify in the Technical Bid will be opened on a subsequent date to be informed separately.

Your Tender must be sent in a separate sealed cover containing (Envelope - I & II) address to the Director NIPER , Section 67, Phase –X SAS Nagar (Mohali) superscribed as “**Tender for Supply installation testing and Commissioning of Gas Tubing with Allied Accessories and works**” should reach **Reception Counter in the Secretariat Building of NIPER on or before 31.07.2024 upto 3.00 p.m.** The Technical bids shall be opened on the same date at 3.30 p.m. in the Conference Room on the first floor of Administrative Bhawan of NIPER.

Yours faithfully

For Director NIPER

**National Institute of Pharmaceutical Education and Research (NIPER),
SAS Nagar
Sector, 67 , SAS Nagar , Punjab**



**Tender
for
Supply installation testing and Commissioning of Gas
Tubing with Allied Accessories and works in Block C Lab
303, 305, 310 at NIPER , SAS Nagar**

General Terms and Conditions

1. **WORK : S/I/T/C of Gas tubing with allied accessories and works for Block C-303,305,310 at NIPER, SAS Nagar.**
2. **Estimated Cost : Rs. 458706**
3. **Completion Time : 02 Months.**

4. **Eligibility Criteria**

Intending bidders is eligible to submit the bid provided he has definite proof from the appropriate authority, which shall be to the satisfaction of the competent authority, of having :-

- (a) Average annual financial turnover during the last 3 years ending 31st March of previous financial year should be at least Rs.2.29 lakhs.
- (b) Should not have incurred any loss in more than 2 years during the last 3 years ending 31st March of previous financial year.
- (c) Satisfactorily completed three similar jobs each costing not less than Rs 1.83 Lakh OR two similar jobs each costing not less than Rs. 2.75 Lakh OR one similar jobs costing not less than Rs. 3.66 Lakh in last 7 years ending previous day of last date of submission of bids. (**Similar jobs** shall mean "S/I/T/C of Gas Tubing with allied accessories and works . Any one work should be in any Govt. deptt./ PSU/Hospital etc.
- (d) **To become eligible, the bidders shall have to furnish an affidavit as under:-**

I/We undertake and confirm that eligible similar works(s) has/have not been got executed through another contractor on back to back basis. Further that, if such a violation comes to the notice of Department, then I/we shall be debarred for bidding in NIPER, S.A.S. Nagar in future forever. Also, if such a violation comes to the notice of Department before date of start of work, the Engineer-in-Charge shall be free to forfeit the entire amount of Earnest Money Deposit/Security Deposit. (**Scanned copy to be uploaded at the time of submission of bid**)

5. **LIST OF DOCUMENTS TO BE SCANNED AND UPLOADED ONLINE WITHIN THE PERIOD OF BID SUBMISSION:**

a)	Scanned copy of PAN Card
b)	Scanned copy of GST Registration
c)	Scanned copy of financial certificate from CA for the last three financial years with profit and loss statement.
d)	Scanned copy of completion certificates as proof work experience regarding similar nature of work of S/I/T/C of SS Gas tubing and allied accessories and works in last 7 years
e)	Scanned copy of registration of company/firm
f)	Scanned copy of partnership deed/proprietary/ltd company as applicable
g)	Scanned copy of Affidavit as per S.no. 4(d).
h)	Scanned copy of Technical data sheet S. No 39 ,Annexure II

6. Security Deposit @ 5% of the estimated/awarded cost shall be deducted from the Bill of the Agency which shall be released after completion of warranty period i.e. 01 year from the date of commissioning.
7. The Agency should ensure that the S/I/T/C works of Gas tubing with accessories at NIPER site meet the specification laid .
8. **List of Locations** of Installations of gas tubings with accessories . (**Refer: Annexure I enclosed**)

9. **Technical data Sheet** is to be fully filled and required to be attached by Agency along with Bid .
(Refer Annexure II)
10. List of Acceptable Makes of Items (Refer Annexure III)
11. Agency may visit the site of installation before quoting the rates in the bid
12. Rates quoted by Agency should include all charges such as Installation , Carriage, Insurance, Manpower cost, etc. upto the site.GST Should be mentioned separately in he BOQ. Rates should be quoted against each item in the prescribed BOQ Format only. No cutting of words ,values quoted is permitted . All documents should be duly signed and stamped by the Agency . Conditional tenders in any form shall stand rejected.
13. Sample of all items to be provide by agency for approval after award of order within one month . All material to be supplied by agency should be of heavy duty quality and branded.
14. Test certificates from approved labs for Gas regulators, Gas Manifolds ,SS tubings &fittings as per standards followed in industry to be provided by Agency
15. Work should be completed to the satisfaction of Engineer-In-Charge, NIPER, SAS Nagar .
16. Extra work other than the specified in BOQ but required at site shall be put up by Agency separately for necessary approval from the Competent Authority of NIPER.
17. All minor civil works such as making hole in wall, connection from input supply, carriage of Gas Tubing and allied material from one location to another within NIPER campus shall be inclusive in the rates being quoted by Agency without any extra cost to the NIPER.
18. All gas tubing with allied fittings should have same respective makes. Different makes in supply of gas tubing and fittings shall not be acceptable against this BID .
19. The Agency shall be responsible for theft, breakage, non working condition etc. of items supplied up to the date of commissioning.
20. The Agency may have to work in coordination with the other Agency, if any, at the time of execution. The representatives of Agency should maintain good discipline, behavior with staff, students, and other Agency's representatives.
21. No hard drinks, intoxicants shall be permitted in the campus.
22. Agencies to submit the proof of identity of manpower deployed. Agency shall be primarily responsible for its manpower's conduct ,activities, financial matters ,medical ,death etc at NIPER site
23. **Service centre of Agency .**
 - (a) The Service centre should be well equipped with workshop machinery required to execute the repair/provide maintenance services within 48 hrs. during the warranty periods. The service centre should be located within 40 km radius from NIPER SAS Nagar. The service centre must have company/Agency trained technicians/ repair and maintenance service personal should be duly equipped with service kits and readily available spares in stock to attend/ rectify the complaint within time period allotted. Agency carrying out maintenance /repairs during warranty periods shall have to take genuine spares ,technical clarification, gas regulators ,SS gas tubings , SStube fittings such as elbows, tees, sockets, etc of required sizes as required during breakdowns from Service provider so that repairs are done within 24 hours and to avoid delays .
24. **Preventive and breakdown maintenance schedule**
 - (a) Agency shall provide 2 preventive maintenance including spares required in a year from date of commissioning. only genuine spares of OEM should be utilized for carrying out services and repairs
 - (b) The Agency shall have to attend " n " number of breakdown/leakages of gas tubing and accessories supplied during the warranty period within 2 days . after the complaint. The complaint shall be attended by the service centre though E-Mail/ phone call etc.
25. **Contact Number for complaint registration :**
 - (a) The agency shall provide service contact mobile numbers of at least two authorized persons of agency who will received call of complaint and assist for attending the same.

26. Service Report:

Agency shall submit service report of installation and commissioning within one week from the date of commissioning at NIPER SAS Nagar the report should be duly signed by the authorized representative of the Agency. The service report should include all major spares of gas tubing and allied accessories for smooth operation and the same is to be submitted to the Engineer-in-charge, NIPER for acceptance.

27. Breakage/ transit insurance

Any breakage during transit or at site during installations and after commissioning within warranty period shall be the responsibility of the supplier. In case of damage to gas tubing and other allied accessories, the same shall be replaced with new one as per the decision of the Engineer-in-charge, NIPER, SAS Nagar at the risk and cost of agency.

28. Warranty Period :

Warranty shall be for a period of 1 year for complete work after date of successful testing and shall include all type of services and spares of gas tubing and accessories.

29. Completion of work

The work of S/I/T/C of gas tubing as per site requirement should be completed as per BOQ and to the satisfaction of the Engineer-in-charge, NIPER, and SAS Nagar. In case agency fail to attend the complaint or rectify the fault within the allotted time period or extended time period with approval. The same will be got done from market at the risk and cost of agency.

30. Payment Terms

- (a) After complete delivery (of gas tubing and accessories), erection and installations at respective locations : 80%.
- (b) After complete successful commissioning at respective locations : balance 10 %
- (c) After testing of one month after commissioning : balance 5%
- (d) After completion of warranty period -01 year : balance 5%.

31. Penalty

Penalty @ 1% per week of the total awarded cost shall apply for delay in S/I/T/C work beyond the scheduled time of completion and not supported by any approval for extension of time. The amount of penalty shall be deducted from security deposit.

32. Deviation in total cost

Deviation in the total value of work awarded shall be permitted subject to the actual requirement at site and approval of the competent authority NIPER. Agency have to put up the additional requirement if any as per site requirement to the Engineer-In-Charge NIPER.

33. Extension of Time

Under normal circumstances no extension of time shall be granted to the Agency after the completion date. Any request for the extension of time shall be put up to the Engineer-in-Charge by the Agency under the unforeseen circumstances and site requirement for necessary approval of the Competent Authority.

34. Submission of Bills

Agency shall be permitted to submit maximum 3 Nos of Bills against the awarded order.

35. Release of payment

The payment shall be subject to the submission of Bills and completion of work at site to the satisfaction of Engineer-in-charge, NIPER. The time period of release of payment shall be 21 days by the Accounts section, NIPER after technical completion approval of the same by Engineer-in Charge, NIPER, SAS Nagar.

36. ARBITRATION.

All disputes, differences or questions arising out of or in connection with this agreement between the contractor and the NIPER (except those disputes/ differences or questions

where the decision of the particular authority is stated to be as final) shall be referred to the sole arbitration of a person to be appointed by the Director, NIPER whose decision shall be final and binding on both the parties. If the appointed arbitrator resigns before publishing the award, the above mentioned appointing authority shall appoint another arbitrator.

37. Administrative Powers and Final Authority

- a) Director, NIPER, S.A.S. Nagar does not bind itself to accept the lowest or any other bid and reserves to itself the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.
- b) Director, NIPER, S.A.S. Nagar reserves to himself the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.
- c) Canvassing whether directly or indirectly, in connection with bidders is strictly prohibited and the bids submitted by the contractors who resort to canvassing will be liable for rejection.
- d) The DIRECTOR, NIPER, SASNAGAR shall be the final authority in all matters w.r.t Legal, administrative ,financial concerning the said S/I/T/C works of the institute .

Signature of Agency/Stamps and Address

38. List of Locations for S/I/T/C of Gas tubings with allied Accessories and works at NIPER , SAS Nagar

Sr. No	Location	Qty(Nos)
1	Block C (Top Floor)	
a	Lab No 303	1set
a	Lab No 305	1set
b	Lab No 310	1set

Annexure-II

39. Technical Data Sheet

Technical parameters to be filled by the Agency				
S. No	Description	Material specification required	Branded Make being supplied by Agency	Yes/No
1	Gas tubing	SS304, dia 1/8”(ID)		
2	Gas tube fittings	SS304 ,dia 1/8”(ID)		
3	Tubing Sleeves	PVC ,As per color code of H2, N2,He,O2		
4	Gas regulators 2 stage	SS body H2, N2,He,O2		
5	Gas manifold	SS body ,Fittings: brass crome plated , high pressure		
6	Mounting brackets for cylinders in cage	MS crome plated 25mm		
7	GI sheet	20Guage,powder coated thickness 100micron (minimum)		
8	PVC casing /cover	Size 80x8x1mm		
9	Pressure Guage	SS body ,dial 100mm ,Range 0-15 kg/cm2		
10	Pig tails	SS 304 braided flexible		
11	MS Sheet for cage	Size 22Guage for sides and 20 Guage for top side		
12	MS pipe	Size 65x25x2.5 mm		
13	MS mesh	Size 40x40x2 mm		
14	Cage of Cylinders	With Assembly type designed for ease in carriage and erection.		

The above Technical data provided is true .

Signature and Stamp of tenderer

Annexure :III

40. ACCEPTABLE QUALITY AND WORKMANSHIP :

S. No	ITEM	Quality Standards
1	All materials and works of Gas Tubing installations at NIPER	Branded materials with specifications laid , good quality aesthetics and workmanship of installations as per standards followed in Industry to the satisfaction of the Engineer-in-charge, NIPER/ designated official.

Signature and Stamp of tenderer

Special conditions of the contract :

1. Prices

The prices to be quoted by the intending tenderer shall include the supply and installation, at the site, of all component, ancillary material and other items whatsoever required for carrying out the job to fulfill the intent and purposes as laid down in the specifications and/or the drawings. The tenderer's price shall be deemed to include all components panels, nuts, bolts, shims, clamps, supports etc. as required for proper fixing and/or grouting of equipments, ancillary items etc., whether specifically mentioned or not the contractor shall also include, in his price, all taxes duties or other levies (viz. Excise duty, customs duty, works contract tax, etc.,) which are legally leviable on air conditioning equipment and Installation. Failure to include all leviable taxes and duties will not entitle the contractor to any extra claims from the Engineer-In-Charge-. The contractor's rate shall remain firm and fixed during the currency of the contract. However, the price shall be subject to adjustment, in case of variation in the rate of excise, customs duty due to any act of legislature, within the originally agreed period, for the completion of the work.

2. Inspection

The Engineer-In-Charge/. reserves the right to inspect any machinery, material and component (hereinafter collectively called "apparatus") finished or used by the contractor under this contract and may reject which is defective in workmanship or design or otherwise unsuitable for the use and purpose intended or which is not in accordance with the intent of this contract. The contractor shall on demand by the Engineer-In-Charge/., remedy/replace at the contractor's expenses any such defective or unsuitable apparatus. None of the apparatus to be furnished or used in connection with this contract will be supplied until shop inspection and performance testing, wherever possible, satisfactory to the Engineer-In-Charge/. Representative has been made. Such shop inspection of the apparatus shall not however, relieve the contractor from full responsibility for furnishing the apparatus conforming to the requirements of this contract not prejudice any claim, right or privilege which the Engineer-In-Charge/. may have because of the supply of defective or unsatisfactory apparatus. Should the Engineer-In-Charge/. waive the right to inspect any apparatus, such waiver shall not relieve the contractor from his obligation under this contract.

The contractor shall also fix in the control room neatly typed and framed, instruction in details, for the starting and running of the system. Any special tools required for the operation or the maintenance of the system shall be supplied free.

3. Installation and Commissioning

The contractor shall carry out the complete installation and commissioning. All work shall commence on previously prepared locations for the main and sub systems. All the materials shall be moved from their place of storage into the system by the contractor. The contractor shall make his own arrangement to off load materials received at respective Air/Rail/Road transport terminal points, dispatch to site and to store all material received at site. The Engineer-In-Charge/. shall provide clear storage and installation space only. All installation tools and tackles as and when required to suit the installation program shall be provided by the contractor.

All consumables required for installations such as bamboos and planks for scaffolding etc. shall be provided by the contractor. Protective and finish painting shall be carried out by the contractor. The contractor shall indicate the electricity requirements during installation. The contractor shall remove all the waste material or rubbish from and about the work site and leave the job thoroughly cleaned up and ready for use.

4. **Testing**

4.1 All types of routines and type tests as required shall be carried out at the works of the contractor or the manufacturers of the components. Engineer-In-Charge/.s shall be free to witness any or all tests, if he so desires.

4.2 On the completion of the installation, the contractors shall arrange to carry out various initial tests as detailed in below, in the presence of and to the complete satisfaction of the engineer-in-charge. Any defects or shortcomings found during the tests shall be speedily rectified or made good by the contractor at his own expenses.

4.3 To operate and check the proper functioning of all electrically operated components viz compressor motor, Fans.

In addition to the 'Initial' tests the contractor shall also give two continuous operation of test of the machinery. The tests shall be conducted when the outside ambient conditions are close to the specified ambient conditions. The running tests shall be taken on the completion of the initial tests, provided the ambient conditions are close to the specified ambient conditions.

The contractor shall provide all necessary tools, instruments, gauges, flow meter, ammeter etc. as may be required for conducting the various tests and the required personnel for the tests. However, power for the tests shall be provided NIPER.

5. **Rejection of Defective System**

If on test any portion of the system or components are found to be defective or not fulfilling the intent or the meaning of the specifications, the same shall be replaced or repaired to the entire satisfaction of the Engineer-In-Charge.

In case the contractor fails to remove the defects, within a period considered reasonable, the Engineer-In-Charge/. reserves the right to take necessary remedial measures through other agencies and all expenses thus incurred would be recovered from the contractor.

The Engineer-In-Charge-. reserves the right to operate all the equipment and complete system whether or not the plant is taken over after the initial test and commissioning. Any defects found during the initial or running tests shall be removed at a suitable time as decided upon by the Engineer-In-Charge.

6. **Maintenance of the system and training of personnel**

The contractor shall arrange to provide, at no extra cost necessary personnel and material to carry out all routine and special maintenance of the AC system as required, regularly for a period of 12 Months (Twelve Months) from the date of commissioning.

The contractor shall also train the Engineer-In-Charge/.'s personnel to operate the AC machines and carry out routine checks during the period of installation and testing. If found necessary, the Engineer-In-Charge-. shall train such personnel at his works at no extra cost to the NIPER.

7. **Completeness of the AC installations**

The contractor shall provide all the required materials, equipment, ancillary items etc. to install a complete and satisfactory air conditioning and allied works / machinery capable of fulfilling the intent and purpose of the contract whether or not each and every item is mentioned in the specifications and/or drawings. Any shortcomings noticed at any stage shall be made good at no extra cost.

The contractor shall also fix in the AC system room, neatly typed and framed, instructions in details, for the starting and running of the AC system.

Any special tools required for the operation or the maintenance of the AC system shall be supplied free with the AC system.

8. **Painting**

All equipment and ancillary items such as pipes, supports etc., will be painted in approved manner, using colour scheme as approved by the Engineer-In-Charge.

9. **Warranty terms**

The contractor shall warrantee that all the material, machinery and components supplied, fabricated, designed and installed by him shall be free from defects due to faulty design material and/or workmanship, that the system shall perform satisfactorily and the efficiency and functioning system of the system and all the components shall not be less than the parameters laid down in the specifications and the performance shall be within the specified design limits. In case of any shortcoming the contractor shall replace the necessary components at no extra cost or alternately the Engineer-In-Charge- shall be entitled to deduct a proportionate amount from payments due to the contractor.

The initial period of the warranty shall be 12 Months from the date of commissioning during which period any or all components found to be defective shall be replaced or repaired free of charge and any shortcomings found in the system functioning as specified shall be removed at no extra cost. The contractor shall provide the necessary personnel and tools for fulfilling the above warranty.

If for any reason the commissioning of the system cannot be carried out due to reasons attributable solely to the Engineer-In-Charge-, then the system shall carry a warranty for a period of 12 Months from the date of 'virtual completion' - a date which shall be certified by Engineer-In-Charge. Extended warranty shall remain in force after completion of the initial first year of the warranty period.

If the defects are not removed within a reasonable time the Engineer-In-Charge- may arrange to do so at the contractor's risk and cost, without prejudice to any other rights.

10. **Safe custody and storage**

Safe custody of all equipments supplied by the contractor shall be his own responsibility till the final taking over by the Engineer-In-Charge-. He should, therefore, employ sufficient staff for watch and ward at his own expenses. The Engineer-In-Charge/ may, however, allow the contractor to use the AC machinery room etc. for temporary storage of his equipment if such spaces are ready and available.

11. **Work execution**

The Agency shall execute the work awarded as per the direction of the engineer-In-Charge NIPER issued time to time during the period of execution at site. Any problem faced at site by the Agency should be immediately brought to the notice of Engineer-In-Charge for required directions. The Agency is required to maintain cordial relation with all the person involved to compete the work in the time period allotted.

Signature and stamp of the tenderer

UNDERTAKING

It is hereby declared that :

- 1) I/we have gone through all the documents of the E-tender including scope of work, terms and conditions SOQ as applicable.
- 2) I/we have relevant experience and expertise to execute the said Gas tubing works .
- 3) That I/we have sufficient team to carry out repair and maintenance works as per tender .
- 4) That I/we have relevant Maintenance infrastructure /workshop /maintenance machinery .
- 5) That I/we shall provide services in a time bound manner as per requirement of the institute /tender .
- 6) That I/we have maintain cordial relations with the office staff/other agencies at site .
- 7) That I/we shall be solely responsible for the manpower deployed at NIPER site .
- 8) That I/we shall bear the cost of damages ,if any to the machinery at NIPER under our scope/contract .
- 9) That I/we shall carry out installations and shall provide maintenance services as per standards followed in industry and to the satisfaction of engineer-in-charge . All works shall be done with due prior permission of NIPER .
- 10) I/we shall comply with the rules and regulations applicable in NIPER concerning the said tender.
- 11) I/we shall not indulge in unlawful activities during the period of contract .
- 12) I/we have not been debarred/black listed by any organization in last 3 years.
- 13) I/we shall provide services honestly to the best of our ability for smooth and uninterrupted services to NIPER.

Signature and stamp of the Proprietor /Authorized Representative

**Envelope-II: FINANCIAL BID (BID –II)
BOQ**

Sub: S/I/T/C of Gas Tubing with allied accessories and works for Block C Lab No-303,305,310 at NIPER , SAS Nagar					
Sr No	Description of work	Unit	Qty	Rate	Total Amount
1	Supply laying testing and commissioning of Stainless steel (SS) Grade 304 tubing with color coded pvc sleeves etc. for distribution of gases N2,O2,He,H2 from Gas cylinders -8 nos. of cap 7cum at G.floor to Lab at 2nd Floor . The tubing should be capable to withstand the gas pressure of minimum 20 bar in closed loop circuit with leak proof joints as required at site to the satisfaction of the user/designated authority NIPER .				
	1/8" (3.18 mm) × 0.085" (2.1 mm)	Mtr.	175		
2	S/I/T/C of SS 304 grade fittings along with the Gas tubing to provide leak proof joints end to end points i.e from Gas cyliders at G.Floor to the Manifold in lab 2nd floor and to the equipment in use in lab as per site requirement to the satisfaction of designated authority, NIPER.				
	SS Nut dia 1/8", SS Tee dia 1/8", SS Ferrules 1/8"	Set	8		
3	S/I/T/C of G.I. sheet 20 Guage thickness duly powder coated (150 micron)tray with required shade duly bend to size and with clamping on wall and having provision for fixing screws SS 1/8" x 1/2" length on tray size at 2 ft distance.				
	80x20x1 mm thick	Mtr.	55		
4	S/I/T/C of high pressure gas manifold system (Manual) for 04 nos cylinders made from SS body & brass crome plated fittings to fit with the SS tubing dia 1/8" to with stand the in let gas pressure of maximum 300 bar, complete with side SS body pressure gauge dial size 100 mm (minimum range 0-15 kg/cm2 - 1no) ,heavy duty mounting bracket fixed on wall to provide leakproof supply of gas from cylinders to the end point in respective Lab.				
	Two way type (suitable for two gas cylinders)	set	6		
5	PVC casing/ cover fit to size of respective tray complete with cutting , jointing , clamping on wall through out the length laid for passage of SS gas tubing from GF to respective lab / instrument at 2 nd floor level as per site requirement of site to the satisfaction of Inspecting authority ,NIPER				
	Casing/top cover size 80x20x1 mm thick (For 1/8" SS tubing)	Mtr.	155		

6	Pig tails of SS 304 braided flexible tubes for end to end connection with standard threads size nuts on both ends - 1 mtr. Length for connection between gas cylinders/instruments and manifold as per site requirement. (N2-6 nos ,H2-2 nos,O2-2 nos,He-2 nos) as per sample to satisfaction of designated authority , NIPER				
	OD size- 20mm	nos.	12		
7	Gas Cylinder mounting brackets duly powder coated with MS chrome plated chain size 25mm for gas cylinders duly mounted with cage/ wall as per site requirement to the satisfaction of the designated authority, NIPER				
	100x100x3 mm thick	Set	4		
8	Supply, installation and testing of Gas regulator with SS body, SS diaphragm double stage complete with SS gauges, knob type gas pressure regulator suitable for with standing inlet gas pressure of maximum 300 bar and to be fitted with cylinders capacity 7 cum for leak proof joint. Make ESAB				
	H2	No.	1		
	N2	Nos.	4		
	He	No.	1		
	O2	No.	1		
9	Supply and installation of Cylinder cage for 4 gas cylinders Cap-7 cum made from MS sheet 22 gauge thick with ventilation and locking arrangement for 2 nos. of doors. Skeleton frame made from 65x25x2.5 mm thick rectangular MS pipe and with ms mesh size 40x40x2 mm. top side to be covered with ms sheet 20 gauge. full cage to be powder coated of required shade. The complete unit shall be assembled designed and shall be erected at site after assembly of its parts made as per drawing and to the satisfaction of designated authority , NIPER .				
	Size 6'L x4'Wx7'H (1830 x1220x2130 mm)	no.	2		
		Total			
		GST @ _____			
		TOTAL (in Fig)			
	TOTAL (in Words)				

Note :

- 1)Item wise rates are to be quoted by Agency
- 2) GST is to be mentioned separately in column
- 3) Agency may visit site before quoting.
- 4) Condition tenders are not acceptable.

