

INTER-UNIVERSITY ACCELERATOR CENTRE**(An Autonomous Centre of UGC)****Aruna Asaf Ali Marg, New Delhi-110067****NOTICE INVITING E-TENDER**

TENDER NO: IUAC/NIT/RPS/18/2020-21

Dated: 04/12/2020

Inter-University Accelerator Centre (IUAC), invites offline tender on behalf of the 'Director', IUAC - New Delhi, through two bid system, viz., **Technical and Financial bids**, from eligible and experienced parties authorized by Petroleum and Safety Organization (PESO) India only along with their authorization Certificates for the work / supply of **“Non-Destructive Test and Issuance of Certificates / Reports under SMPV (U) Rules 2016 Rule - 18 & 19 of Bullet (SF₆ Storage Tank) and Relief Valves installed on its top, located at IUAC out door area, New Delhi”**.

Only bids received through offline will be considered for opening. Bids not covering full scope of work/ supply of the product / goods will be rejected and only complete bids will be considered. IUAC reserves the right to accept / reject any / all tenders in part / full without assigning any reasons whatsoever and the decision of IUAC in this regard will be binding on all the bidders.

Bidders have to select the payment option as “**offline**” to pay the tender fee applicable. The tender cost shall be in the form of demand draft only issued in favor of “**Inter University Accelerator Centre, New Delhi,**” and it should be deposited before the bid opening. Bidders registered with MSME / NSIC are exempted from payments of tender fee. Copy of valid registration certificate should be attached. Bidder has to submit Bid Security Declaration in lieu of EMD as per notification no.: F.9/4/2020-PPD dated 12/11/2020 issued by **Department of Expenditure Procurement Policy Division**, 512, Lok Nayak Bhawan, New Delhi, “accepting that if they withdraw or modify their bids during period of validity etc. they will be suspended for the time specified in the tender documents.”

Intending tenderers must enclose self-attested copies of Completion Certificates, work orders having completed the work satisfactorily Authorization Certificate issued by an appropriate competent authority / PESO.

The Director, IUAC, New Delhi reserves the right to accept or reject or any of the tender without assigning any reasons thereof.

Any Corrigendum/Amendments in respect of above tender shall be issued on IUAC website www.iuac.res.in only. Bidders should take into account any corrigendum published on the tender document before submitting their bids.

E-TENDER DOCUMENT

Name of Work	<p>“Non-Destructive Test and Issuance of Certificates/Reports under SMPV (U) Rules 2016 Rule-18 & 19 of Bullet (SF₆ Storage Tank) and Relief Valves installed on it, located at IUAC out door area. New Delhi”.</p> <p>Name Tests:</p> <p>a. Visual, b. Pneumatic, c. Ultrasonic Thickness & weld flaw,</p>
Tender No.	IUAC/NIT/RPS/18/2020-21
Tender Value/Estimate	Rs.7,00,000/- (Rupees Seven lacks)
Tender Fee	500/- (Rupees five hundred only) : (Demand Draft)
Bid Submission End Date	23/12/2020 at 3.00 p.m.
Technical Bid Opening Date	24/12/2020 at 3.30 p.m.
Price Bid Opening Date	To be intimated later.
Contact Person	<p>Administrative Officer (S&P), Inter-university Accelerator Centre, e-mail: iuacstores@gmail.com.</p> <p>Phone: 011-24126018 & 24126022.</p>

INSTRUCTION TO BIDDERS AND GENERAL TERMS & CONDITIONS OF THE TENDER

1. **GENERAL INSTRUCTIONS:** The items referred here-in shall cover the entire scope of the proposal i.e. work / supply of Non-Destructive Test and Issuance of certificates / reports under SMPV (U) Rules 2016 Rule-18 & 19 of Bullet (SF₆ Storage Tank) and Relief Valves installed on its top, located at outdoor in IUAC campus, New Delhi, shall be carried out. The “Owner” where appearing in these documents shall mean, Director, IUAC.
2. **TENDERERS TO STUDY ENTIRE TENDER DOCUMENT CAREFULLY:** Submission of a tender by a tenderer implies that he has read all the stipulations contained in this tender document and has acquainted himself of the nature, scope and specifications of the items to be followed.
3. **TENDERER TO SUBMIT THE ENTIRE TENDER DOCUMENT OFF-LINE:** The tenderer shall submit all documents after duly filling the same in all respects. Tenders which are found to be vague or incomplete shall be rejected summarily.
4. **INSTRUCTION FOR FILING THE TENDER:** Tenders shall be submitted OFF-LINE, it shall be signed by one who has been authorized by the Board of Directors through a resolution. Copy of the resolution and the authority letter in favor of the person signing must accompany the tender.
5. **TENDERER TO QUOTE BOTH IN FIGURES AND WORDS:** The bidder shall quote their rates for all the items both in figures as well as words given as per the attached format of Price bid. The amount of each item shall be worked out and the requisite total given. Special care shall be taken to write percentage in figures and words, and the amount in figures only in such a way that interpolation is not possible. The total amount shall be written both in figures and in words.
6. **TENDERER TO SIGN ALL PAGES:** The tenderer shall stamp and sign at the bottom right hand corner of every page of the tender documents in token of acceptance of tender conditions and for the purpose of identification.
7. **SUBMISSION OF TENDER:** Tenders should be submitted in sealed envelope by hand or by Post, in two Parts i.e. “Technical bid” (Part-A) and “Price bid” (Part-B). No other mode of documents submission will be accepted.
 - a. **Technical Bid (Part-A) :** In this bid, the bidder shall submit the scan copies of the following:
 - i. Covering letter on Company’s Letter Head.
 - ii. Bio-data of company (Company profile, organizational setup, credentials, list of plant, machinery & tools in his possession).
 - iii. Copies of PAN no., GST Reg. no.
 - iv. Copy of Authorization Certificate from Petroleum and Safety Organization (**PESO**) India only.

- v. Copies of work orders and completion certificates of similar type of testing works executed successfully during the last 7 yrs. in Govt., Public sector, Autonomous body or reputed Public Ltd. Company, with at least one work of value not less than Rs.5 lakh or two similar works, each of value not less than Rs.2.5 lakh or three similar works, each of value not less than Rs.2 lakh.
 - vi. Bid Security declaration.
 - vii. **Tender acceptance letter (as per Annexure-1 of tender document) on bidder's letter head** duly signed & stamped by the bidder as acceptance of instruction, terms & condition of tender.
- b. Price Bid (Part-B):** In this bid, the bidder is required to quote his item rates in the BOQ formed in **Price** accordance with the scope of work, terms & conditions & technical specifications enclosed. The rates / price quoted by bidder should be all inclusive i.e. should include all material cost, labor, services, plant / machinery / tools & tackles, ladders & scaffolding required for work, freight, Insurance, CGST, SGST, IGST and all applicable Govt. Duties, levies & taxes, transport / cartage of material / labor and all other expenses not specifically mentioned but reasonably implied. Nothing over and above these rates shall be payable to bidder. Further, nothing extra in rates will be considered for any variations in tender quantities or due to any site difficulties. It is mandatory for bidder to quote all items rate as asked for in the BOQ/ PRICE schedule. Failure in not filling some item rates will lead to rejection of tender. The bidders should quote unconditional rates.
- 8. EXEMPTION FROM EMD:** Unit registered with National Small Scale Industries Corporation (NSIC) /Micro Small & Medium Enterprises (MSME) is exempted from payment of EMD, subjected to:
- i The unit being registered with NSIC for the items tendered.
 - ii Self-attested copy of valid NSIC/MSME registration Certificate.
 - iii Photocopy of application for registration at NSIC or for renewal of NSIC will not be acceptable. Such offers will be treated as offers received without EMD.
- 9. VALIDITY OF TENDER:** Tender shall be valid for our acceptance without any change in rates and NIT conditions for a period of 90 days from the date of opening of Price bid.
- 10. ESCALATION:** No escalation over and above items rates quoted by the bidder shall be paid during the execution of contract.
- 11. COMPLETION TIME:** The time shall be the essence of this contract and entire work as titled above is to be completed in all respects within a period of three (3) months from the date of issue of LOI / Purchase order by the Centre. Any delay in completing the work for reasons attributable to the Contractor is liable for liquidated damages as per clause 21 of NIT.
- 12. FORCE-MAJEURE CONDITIONS:** Under the force-majeure conditions or delay due to reasons beyond control of the contractor, IUAC may grant suitable time extension without penalty for which the contractor has to request along with the justification/reasons well in advance to Director, IUAC for

approval without any prejudice to price escalation. No time extension request shall be considered after the expiry of completion period/contract. The decision of the Director, IUAC regarding Time extension will be final and binding on the contractor.

13. **DEVIATIONS:** No deviation from the stipulated terms and conditions will be allowed. Tender will be unconditional.
14. **SITE CONDITIONS:** Contractor shall acquaint himself fully with the site conditions and the working environment of IUAC before quoting his rates. No Compensation on account of any site difficulties will be entertained, at a later date, after award of the work.
15. This notice inviting tender will form part of the contract agreement to be executed by the successful tenderer with the IUAC. The successful tenderer shall have to sign the contract agreement within 10 days of the allotment of work.
16. If a tenderer whose tender is accepted failed to undertake the work as per terms of the contract within 10 days to be reckoned from the date of issue of work order, the earnest money deposited will be forfeited.
17. The submitted documents / certificates may be verified with originals after opening of Technical bid.
18. **TERMS OF PAYMENT:** The payment shall be made on submission of the bills in proper format by the contractor after due certification by the IUAC engineer responsible for supervision of the work after completion of work.
19. **LABOUR LAWS:** The contractor will abide by all the rules and regulations related to labor laws, accident, workmen compensation act, workmen insurance etc. This will be the sole responsibility of the contractor. IUAC will not be a party at any stage in any of the disputes relating to the above. In case, IUAC has to bear any expenditure due to non-conformance of the above provisions by the contractor, the same will be recovered from contractor's bills.
20. **RULES GOVERNING THE CONTRACTOR'S EMPLOYEES WORKING IN THE IUAC REMISES:** The contractor's employees working inside the IUAC campus will abide by the Centre's rules regulations for works inside the campus. Any damage to the IUAC property due to mishandling, carelessness on the contractor's or his workmen's part, the contractor will duly make good the loss. IUAC has the right to make suitable deduction from contractor's bills along with penalty, if contractor fails to make good the loss.
21. **LIQUIDATED DAMAGES:** In case the work is delayed beyond the specified completion period for reasons attributable to the contractor, deductions on account of Liquidated damages @1.5 % of the contract value per month or part thereof will be deducted subject to a maximum of 10 % of the contract value. However, during the delayed period, IUAC also reserves the right to get balance portion of work done by any other contractor at the risk and cost of the existing contractor and amount to that effect along with 10% overhead charges will be deductible from his bills/dues.
22. **EXTRA OR SUBSTITUTED ITEM:** If any extra or substituted item appears in the work, contractor shall submit its rate analysis supported with documents which shall be approved by IUAC.
23. **DEFECT LIABILITY PERIOD:** Defect liability period shall be one year from the date of completion of work. Any defect arising in this period due to contractor's fault will be rectified by him at his own cost. Failure to do so shall lead to forfeiture of security deposit.

24. **SECURITY DEPOSIT:** A security deposit equal to three (3) % as performance security of the value of work will be deducted from Contractor's bills and shall be refunded after the completion of defect liability period of one year after ensuring successful performance of the system executed by the contractor.
25. Contractor should depute a technically qualified supervisor dedicated for this work, which will monitor and coordinate work from contractor's side and interact with the IUAC Engineers, responsible for supervision of work, on regular basis.
26. Contractor will take due permission for entry of all his workmen in IUAC. No unauthorized person will be allowed to work inside IUAC campus.
27. The contractor will arrange all necessary materials, tools, equipment, access ladders & scaffolding, measuring instruments and working consumables etc. needed for execution of the works. Safe custody of all such material will be contractor's sole responsibility. No extra charges will be paid for the same. Watch and ward of all material till the system is taken over by IUAC shall be the sole responsibility of the contractor and pilferage etc. shall be entirely to his account.
28. During execution of work, Engineer can make minor changes in the scope of work as per site conditions or other reasons. Contractor will have no extra claim in his rates for the same.
29. During execution of work, the contractor should follow all standard norms of safety measures/precautions as per relevant IS codes to avoid accidents/damages to man, machines and buildings, at his own cost. Contractor will have his own arrangement to escort the labor to the nearest hospital for treatment in case any injury happens to any worker during execution of work.
30. Manpower deployed by the contractor at site for carrying out contract work is strictly prohibited being associated with any other works on the campus.
31. No material belonging to the contractor whether consumable or non-consumable should be brought inside the IUAC campus without proper entry at the Main Gate nor any material should be taken out without proper gate pass issued by the authorized representatives of the Centre.
32. During execution of the work, contractor should dispose-off waste material on regular basis and should keep the area of work properly cordoned off and neat and clean as far as possible. After completion of work, contractor should clear the site completely of all unwanted and junk material before submitting his final bill.
33. IUAC will provide free water and electricity during execution of work at one point. The contractor has to make his own arrangements for supplying power and water from that point onwards as per his requirements.
34. Tender once submitted will remain with the Centre and will not be returned to the bidders.
35. **TERMINATION OF CONTRACT:** The Director, IUAC reserve the right to terminate the contract on account of poor workmanship, failure to mobilize site within 15days, non-compliance of specifications for the works, abnormal delay in progress of work, violation of any contract provisions by the contractor. In such case, contractor's security deposit deducted so far will be forfeited. The contract

can also be terminated on the request of contractor. In such cases the contractor is liable to pay Liquidated damages @ 5% of tendered value besides forfeiture of Performance Guarantee & security deposit recovered so far.

36. **Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi/Delhi.**
37. Tenders not complying with any of the provisions stated in this tender document are liable to be rejected. **Director, IUAC also reserves the right to accept or reject any or all the tenders without assigning any reason and does not bind him to accept the lowest tender.**
38. **CORRESPONDENCE: All the correspondence in respect of tender/award of work shall be made to A.O. (S&P), IUAC, Aruna Asaf Ali Marg, New Delhi-110067.**

Accepted

(Signature & Seal of Company)

Part - 1**Annexure-I (Technical)****Introduction:**

IUAC intends to get the statutory Non-destructive test (i.e. Ultrasonic thickness, Ultrasonic weld flaw, Hardness, Pneumatic testing and pressuring testing of Relief valves) and certification as per under **SMPV (U) Rule 2016, Rule-18 & 19** of SF₆ Storage Tanks (horizontal type, cylindrical with dish ends) installed out door in IUAC campus, New Delhi.

Issuances of Certificates / Reports by Third Party Inspection Agency is approved from Petroleum and Safety Organization (**PESO**) Govt. of India

The Bullets are filled with **SF₆ gas**. The same will be transferred from one Bullet to another simultaneously and vented to atmosphere pressure only with compressed air by IUAC means, using compressor, and vacuum pump etc. as and when required.

Data of the Bullets:

1	Name of Bullets to be Tested	SF ₆ Storage Tanks. (Bullets)
2	Quantity	05 nos.
3	Capacity	150 m ³ each.
4	Design / Maximum Allowable working Pressure	9.0 kg /cm ² g
5	Year of fabrication	1987
6	Dimensions (Diameter x length in meter)	3.3 x 18.2
7	Name of compressed Gas	SF ₆ (Sulphur Hexa Fluoride)
8	Design	ASME SEC.VIII.DIV.1 latest.
9	Place of installation	IUAC, New Delhi-110067.
10	Test Pressure Pneumatic	11.25 kg /cm ²

SCOPE OF WORK AND SUPPLY

Followings are deemed to be included in vendor's scope in quoted rates:

1. To carry out the statutory Non-destructive tests (i.e. visual surface inspection, ultrasonic thickness, ultrasonic weld flaw, hardness, pneumatic testing, Relief valves) and certification as per under SMPV (U) Rules (1981, 2016), Rule -18 & 19 of 05 nos., 150 m³ volumetric capacity each horizontal type Bullets (SF₆ Storage Tanks) installed out door in IUAC campus, New Delhi.
2. Issuances of Certificates / Reports by Third Party Inspection Agency is approved from Petroleum and Safety Organization (**PESO**) Govt. of India.
3. Arrangement is required by vendor for the tools, tackles, material, instruments, manpower, expertise etc. to carry out the work.
4. It is emphasized that the bidders should visit the site before quoting the prices in order to acquaint with the site conditions and work volume.
5. Dismantle of all the flanges i.e. drain ports, gas inlet /outlet port, RV port, man holes etc. by loosening of nuts and bolts. The bidder is suggested to note that the nuts, bolts may be rusted and threads filled with the paint etc. Rustolene / Wd-40 cleaner etc. will be required and shall be supplied by vendor to clean the same before loosening the same.
6. Immersing of all the nuts and bolts in the Rustolene or equivalent cleaning chemical for minimum 24 hours for cleaning of the same from rust. Cleaning of the threads with wire brushes and clothe.
7. Removing of old O-Rings from the flange grooves, cleaning of flanges, flange grooves and its surfaces, painting etc. with sand stone and Rustolene cleaner.
8. Supply and fixing of new O-rings (**ID-61 mm, OD -79 mm-18 nos., ID - 641 mm, OD - 659 mm – 05 nos.**) of all flanges (Item rates are asked in BOQ).
9. Supply and fixing of new asbestos gaskets of **03 mm** thickness as per requirement.
10. Arrangement for the scaffolding, ladders, ropes etc. to carry out the work.
11. Cleaning of the inside surface from the dust, rust, loose paint peel off, grease etc. using emery paper, cleaning cloth and cleaning agent.
12. Cleaning with warm water the complete internal surface of the bullets and clearing rest of the foreign material if any inside.
13. Carry out the inside surface visual inspection using magnifying glass with inbuilt torch.

14. Preparing of the surfaces by removing paint etc. to carry out the statutory NDT tests.
15. Arrangement of instruments, tools etc. and carrying out the statutory NDT tests.
16. Supply and applying of Aluminium paint coats on inside surface of the bullets only on required rusted and bared surface after cleaning, using Aluminium paint, turpentine oil, brush, emery paper, cleaning cloth etc. (Item rate are asked in BOQ).
17. Supply and Applying of one coat of metal primer on rusted and bared metal surfaces only after surface preparations using red-oxide primer, turpentine oil, emery paper, brush, cleaning cloth etc. (Item Rate are asked in BOQ).
18. Dismantling of spool pieces, butterfly valve, rupture disc assembly, relief valves and re-fixing of same with new gaskets in position after cleaning of all. The relief valves shall be tested by vendor on the designed pop up pressure with dry nitrogen test set up offline. The recommended pressure set is to discharge at 125 psig and closed at 115 psig respectively. The relief valves are spring loaded type shall be dismantled, each part cleaned, assembled and adjusted to designed pop up pressure before re-fixing.
19. Rupture discs, if required to be replaced shall be supplied by IUAC but fixed by vendor.
20. Fixing of all the flanges by tightening of the nuts and studs. Silicon grease shall be supplied and applied on all the O-rings/gaskets for pressure / vacuum leak proof.
21. Pressurize the tanks with compressed air / nitrogen up to **11.25 kg/cm²** (**1.25** times of design pressure) for pressure test. IUAC will supply the compressed air from its plant to pressurise the tanks up to **11.25 kg/cm²**.
22. Soap bubble test of all the flange joints shall be carried out to check the leak. If any leak is found vendor will have to repeat the process of filling compressed air after leak rectification, till the leak proof joint is obtained without any extra cost to IUAC.
23. All the tests, certification and issue of reports shall be carried out as per SMPV (U) Rules 1981, 2016, Rule-“18 & 19” and other relevant applicable laws as per the requirements of the **PESO** for renewal of the license.
24. All the set of Nuts and Studs should be Galvanised and the rate are asked in BOQ.
25. Final payment will only be made against the actual quantities installed and not on the basis of items supplied / BOQ. For this a joint measurement by IUAC engineer and the bidder / contractor has to be taken. The responsibility and the facilitation of taking the measurements will rest with the contractor.

Note: All points must be attended properly in presence of IUAC personnel.

Part – 2**Annexure-II, BOQ-(Financial bid)**

Sr. No.	Item Description (Rates shall include Scope of Works & Supply, General terms and conditions mentioned in NIT.)	Qty.	Unit	Unit Rate Rs.	Total Cost Rs.
1	To carry out statutory Non-destructive tests (i.e. Visual surface inspection by magnifying glass, Ultrasonic thickness, ultrasonic weld flaw, hardness, pneumatic testing) and certification under SMPV (U) Rule 2016, Rules-18 & 19 of Bullet (SF₆ Storage Tanks each 150 m³ volumetric capacity) and Relief Valves by PESO APPROVED THIRD PARTY INSPECTION AGENCY on turn-key basis including manpower, material, tools & tackles, instruments,	05	Nos.		
2	Supply & fixing / replacement of O-Rings (joint less) made with neoprene, 09 mm cord dia. Size- ID - 61 mm., OD -	18	Nos.		
3	Supply & fixing / replacement of O-Rings (joint less) made with neoprene, 9 mm cord dia. Size - ID-641 mm., OD-659	05	Nos.		
4	Supply and Applying of one coat of metal primer (Suitable for Aluminium paint) on rusted and bare metal surfaces after surface preparation. Make – Nerolac / Dulux /	300	m ² Area		
5	Supply and Applying of two coats of Aluminium paint after surface preparation wherever is necessary. Make - Nerolac/ Dulux / Berger / Shalimar / equiv.	500	m ² Area		
6	GI studs, size - M30 x 190 with 02 nos.-nuts, 02 nos.-machined washers (each set) 100 sets.	100	Nos.		
7	GI studs size - M16 x 90 with 02 nos.-nuts, 02 nos.-machined washers (each set) 100 sets.	100	Nos.		
8	GI studs size - M16 x 100 with 02 nos.-nuts, 02 nos.-machined washers (each set) 40 sets.	40	Nos.		
9	GI studs size - M16 x 150 with 02 nos.-nuts, 02 nos.-machined washers (each set) 40 sets.	40	Nos.		
Grand Total COST Rs.					

In words (Rupees.

.....)

Please Note: Sr. no.4 and 5 of BOQ, The cost of applied Aluminium, Synthetic and Enamel etc. Paints in actual on bared or rusted surface will only be paid based on viewing the conditions after opening the Tanks.

(Signature & Seal of Company)

TENDER ACCEPTANCE LETTER
(To be given on Bidders/Company Letter Head)

To
 The Administrative Officer (S&P)
 Inter-University Accelerator Centre,
 Aruna Asaf Ali Marg, New Delhi-110 067.

Date: _____

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: _____

Dear Sir,

1. We have downloaded /obtained the tender document(s) for the above mentioned 'Tender/Work' from the web site(s) namely:
 as per your advertisement, given in the above mentioned website(s).
2. We hereby certify that 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 we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/organizations too have also been taken into consideration, while submitting this acceptance letter.
4. We hereby unconditionally accept the tender conditions of above mentioned tender document(s) / Corrigendum in its totality / entirety.
5. We do hereby declare that our Firm has not been blacklisted / debarred by any Govt. Department/ Public sector undertaking.
6. We certify that all information furnished by the 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 therefore or 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.

(Signature & Seal of Company)