

INTER-UNIVERSITY ACCELERATOR CENTRE

(An Autonomous Centre of UGC)
Aruna Asaf Ali Marg, New Delhi-110 067

NOTICE INVITING E-TENDER

TENDER NO: IUAC/NIT/47/BKG/2018-19

Dated: 13/03/2019

Electronic bids are invited through E-Procurement Portal under single bid system from eligible / reputed parties for the work / supply of “ **Overhaul Works of 2 nos of Cooling Towers of 250 TR Heat Rejection Capacity**” at IUAC office, New Delhi- 110 067.

Tender Documents may be downloaded from Central Public Procurement Portal <http://eprocure.gov.in/eprocure/app> and www.iuac.res.in

Aspiring Bidders who have not enrolled / registered in e-procurement portal should enroll / register before participating through the website <http://eprocure.gov.in/eprocure/app>

Bids shall be submitted online only at CPPP website: <http://eprocure.gov.in/eprocure/app>. Bidders /Contractors are advised to follow the instructions provided in the e-procurement portal. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.

IUAC reserves the right to accept / reject any/all tenders in part/full without assigning any reasons thereof.

Bidder has to select the payment option as “offline” to pay the tender fee/EMD as applicable. The Earnest Money Deposit shall be in the form of demand draft issued in favour of “Inter-University Accelerator Centre, New Delhi” and it should be deposited in IUAC before the bid opening. Bidders registered with MSME/NSIC are exempted from payments of EMD & tender fee. Copy of valid registration certificate should be uploaded.

Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled and submit it online without modifying the format. If the BoQ file is found to be modified by the bidder, the bid will be rejected.

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

E-TENDER DOCUMENT

Name of Work	Overhaul Works of 2 nos of Cooling Towers of 250 TR Heat Rejection Capacity
Tender No.	IUAC/NIT/47/BKG/2018-19
Tender Value/Estimate	Rs 3,36,300/- (Including Taxes)
Earnest Money Deposit	Rs. 7,000/-
Tender Cost	Rs. 500/-
Bid Submission End Date	04/04/2019
Technical cum Price Bid Opening Date	05/04/2019
Price Bid Opening Date	As above
Contact Person	M. B. Joseph Administrative Officer (S&P) e-mail: joseph@iuac.res.in Phone: 011-24126018 & 24126022

GENERAL CONDITIONS OF TENDER:

1. **Submission of Tender** : Tenders should be uploaded in CPP Portal in Single Bid (Technical bid and Price bid together).
2. **Technical Criteria** : In this bid, the bidder should upload his company profile, history and structure of firm, name of directors/partners/proprietor with technical staff, list of plant, machinery & tools in his possession, copies of work orders successfully executed during the last five years.

The following are the essential documents for technical qualification:

- (a) Earnest Money Deposit.
- (b) Copy of work orders for "Overhauling Works of Cooling Towers" successfully executed during the last 5 years for reputed Public Ltd. Companies, Public Sector, Govt. Institutions, autonomous bodies, Pvt Ltd in the following manner:

Three similar works, each of value not less than Rs. 1.34 lacs in one year.

OR

Two similar works, each of value not less than Rs. 1.68 lacs in one year.

OR

One similar work of value not less than Rs. 2.69 lacs in one year.

Satisfactory work completion certificate with contract details for the work order should be uploaded for eligibility. The work order and completion certificate should be for the same work.

- (c) Copy of GST Registration Certificate.
- (d) All the pages of NIT along with blank Price bid duly signed & stamped by the bidder as a token of acceptance of the NIT conditions.
- e) Prices Filled BOQ.

IUAC reserves the right to visit the work sites mentioned by bidders as proof of experience. The bidder will have to arrange for such visits.

3. **Price Schedule** : In this the bidder is required to quote his items rates/prices for the works mentioned in the standard BOQ format which is part of this tender. The rates/price should be inclusive of all material cost, labour, services, charges for the plant / machinery / tools & tackles required for work, freight, Insurance, GST etc.

Quoted rates are deemed to cover all the items & works which may be required for complete functioning of equipments, even though they may not have been explicitly mentioned in the scope and schedule of works.

It is mandatory on bidder to quote all item rates as asked for in the BOQ / PRICE schedule. Failure to adhere to this condition will lead to rejection of tender. The bidders should quote unconditional rates.

4. **Earnest Money Deposit**: An earnest money of Rs 7000/- (Rupees Seven Thousand only) has to be submitted at IUAC before opening the bid. The EMD shall be only in the form of Bank Draft payable to **Inter - University Accelerator Centre payable at New Delhi**. Tender without EMD will be rejected. Bidders registered with MSME/NSIC are exempted from payments of EMD & tender fee. Copy of valid registration certificate should be uploaded. EMD of technically disqualified bidders will be returned within 15 days from the date of evaluation of the technical bids. The refund of EMD to the unsuccessful bidders onwards shall be made within 15 days from the date of opening of price bid. The refund of EMD of the successful

lowest bidder (L1) shall be held back with centre as a part of security deposit and will be released after completion of the works and site clearance.

5. **Exemption from EMD:** Companies registered with National Small Scale Industries Corporation (NSIC) and Micro, Small & Medium Enterprises (MSME) will be given relaxation as per Govt. rules. Copy of relevant exemption certificates shall be uploaded.
6. **Validity of Tender:** Tender shall be valid for our acceptance without any change in rates and NIT conditions for a period of 120 days from the date of opening of price bid.
7. **Escalation:** Rates shall be firm. No escalation over and above items rates quoted by the bidder shall be paid till the completion of work under any circumstance.
8. **Extra Items:** During the execution of work, the contractor may require to execute certain additional/extra items in order to complete the job/works beyond the BOQ for which no rates are available. The payment for such extra/deviated items shall be paid as per rate approved on the basis of analysis. The cost component for rate analysis shall be (1) cost of material (2) cost of direct labour (3) Contractor over heads & profit 10%. Before execution of work, the rate analysis may be forwarded to A.O (S&P) duly certified by the IUAC representative for approval of the Director, IUAC.
9. **Completion time:** Two months from the date of LOI.
10. **Scope of Work :** Detailed terms and conditions, scope of work (Annexure-I), technical specifications (Annexure-II) etc. are enclosed with this NIT.
11. **Deviations:** No deviation from the stipulated terms and conditions will be acceptable. Tenders should be unconditional. Technical discrepancies **if any, are to be mentioned clearly** and such exclusion will be price loaded for comparison purposes and for evaluation of L1 at the discretion of evaluation committee. It is therefore in the interest of the bidder not to have any exclusion which will have a unfair price advantage to the concerned bidder.
12. **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 works.
13. **Correspondence :** All the correspondence in respect of tender / contractual obligation shall be made to A.O.(S&P), Inter – University Accelerator Centre, Aruna Asaf Ali Marg, New Delhi-110067.
14. **Terms of Payment :**
 - i. 60% Payment will be released after supply of all material at site along with material & test certificates etc.
 - ii. 30% Payment will be released after satisfactory completion of successful overhauling, commissioning & acceptance of the system by IUAC .
 - iii. Balance 10% will be held towards performance guarantee for one year from the date of satisfactory commissioning & handing over the system to IUAC. However if bidder wishes the same may be released after completion & acceptance of work and submission of bank guarantee of equivalent amount valid for one year for which documentation cost of BG will be to bidder's account.

No extra reimbursements will be made towards idle labour / overheads for non-availability of shut down. Such eventuality will need to be built into the quoted price.

15. **Guarantee/Defect liability period** : The contractor should guarantee for the works/items executed/supplied by him from the manufacturing / engineering defect and bad material/workmanship for a minimum period of 1 (one) year from the date of acceptance of the system by IUAC. During this period if any replacement of items, repairs/rectification is needed, he shall do the same free of cost to IUAC.
16. **Labour Laws:** The contractor will abide by all the rules and regulations related to labour laws, accident, workmen compensation act, workmen insurance, ESI, EPF, 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, any liability arises due to non-conformance by the contractor, under no circumstances IUAC will be liable for the same.
17. **Rules governing the Contractor's employees working in the IUAC Premises:** The contractor's employees working inside the IUAC campus will abide by the IUAC conditions. Any damage to the IUAC property due to mishandling, carelessness on the contractor's or his workman's part will be recoverable from the contractor's bills.
18. **Tender rejection** : IUAC reserves the right to reject any or all the tenders in full or in part without assigning any reasons whatsoever, and the decision of the Centre in this regard will be binding on all the bidders. Tenders not complying with any of the provisions stated in this tender document are liable to be rejected. **Director, IUAC reserves the right to accept or reject any tender without assigning any reason and does not bind himself to accept the lowest tender.** Issue of bid documents does not automatically mean that the bidder is considered for the bid. No claim towards rejection will be considered.
19. **Performance of the system:** On receipt of the order, the contractor will submit the design and other details to carryout the job. Only after getting approval from IUAC, the contractor should go ahead with procurement and fabrication etc. The contractor on completion of the work will amply demonstrate the system & design parameters. He should supply the manufacturer's certificate/ instruction manual along with materials / equipments. If the material / equipment is supplied & installed by vendors other than manufacturers, they should submit the purchase details of items from original manufacturer like bill particulars, material / equipment test and guarantee certificates etc.
20. **Specifications** : Where not specified will be as per the best industry practices, ISI marked or CPWD Technical Specifications which ever is superior. In case of any variation in specifications at different places in NIT, the best specification will be considered. However decision of IUAC engineer will be final.
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% of the contract value per week will be deducted subject to a maximum of 10% of the total cost. However, in case the works are delayed beyond the scheduled completion/ contract period. IUAC reserves the right to get the work done by any other contractor at the risk and cost of the contractor and the amount along with 10 % overhead to the affect will be deductible from his bills/dues.
22. **Subletting** : The contract shall not be assigned or sublet without the written approval of the IUAC.
23. Contractor should depute a qualified supervisor dedicated for this site, who will co ordinate work execution activities and interact with the IUAC representative responsible for supervision of work. Without a supervisor work will not be allowed.
24. All the persons deployed by the bidder at IUAC site will have to carry valid gate passes, which will be only issued after submission of their bio data in desired format. Any negligence/offense on their part will attract immediate removal from site.

25. The contractor will provide for all necessary materials, tools, equipment, 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.
26. 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.
27. All the employees will have to be covered under insurance against any personal accident and IUAC will not be liable for payment of any compensation on that account.
28. Suitable lighting arrangements will have to be arranged by the Contractor at his own cost. However, IUAC will provide for power/light points at nearest available point from the place of work.
29. The work shall be carried out as per the norms set by the manufacturer of respective equipment, specification and specific instructions as may be issued by the IUAC representative responsible for work from time to time.
30. During execution of work, the contractor should follow all standard norms of safety measures/precautions to avoid accidents/damages to man, machines and buildings. Non-adherence of this clause, suitable fines, as decided by the Director, IUAC shall be imposed.
31. Manpower deployed by the contractor at our site for carrying out contracted works is strictly prohibited being associated with any other works on the campus.
32. 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 centre. **List of all inwards / outwards challan to be maintained by the contractor with a copy mark to IUAC Engineer.**
33. IUAC will provide free water and electricity during installation work at IUAC, at one point. The contractor has to make his own arrangements for installation of power and water from that point as per his requirements.
34. Tender once submitted will remain with the centre and will never be returned to the bidders.
35. **Termination of Contract :**The Director, IUAC reserves the right to terminate the contract on account of poor workmanship, failure to mobilise the site within 30 days, non-compliance of set norms/ specifications for the works, delay in progress of work, violation of any contract provisions by the contractor. In such case the contractor is liable to pay liquidated damages @ 10% of tendered value besides security deposit / EMD.
36. **Resolution of Dispute:** All disputes arising out of this contract shall be referred to the sole arbitration of a person selected by the contractor out of the panel of three persons nominated by the Director IUAC, and his decision /award shall be final and binding on both parties. The Arbitration shall be governed under the Indian Arbitration Act 1996 or any statutory modifications or re-enactment thereof and rules made there under and for the time being in force shall apply to the arbitration proceeding under this contract. Any dispute arising out of this contract will be subjected to jurisdiction of New Delhi/Delhi.

**Accepted
(Signature of bidder)**

(Note:- Entire NIT (with blank price bid) is to be attached with 'Technical bid (Part-A)' duly signed & stamped by the bidder.)

Annexure - 1

1. Introduction :

The 2 nos of cooling towers are installed at IUAC Ph-I for recirculating of condensor water to 2 nos of 200 TR water cooled water chilling screw units of Central Air conditioning Plant. Their performance has deteriorated & needs to be serviced for designed performance.

2. Scope of Supply and Works :

It includes following :

- i. Supply, installation, testing & commissioning of items mentioned in Bill of Quantity.
- ii. Dismantling and removal of fan cover, fan housing, electrical connection, PVC eliminators, PVC nozzles, PVC headers, rusted M.S. supports, PVC fills etc as per requirement.
- iii. As the nut, bolts and mettalic parts are badly rusted, so care must taken while dismantling to not to damage the equipment. If any damage is done same shall restored without any cost to IUAC.
- iv. Disposal of all the non metallic old parts like PVC eliminators, fills, FRP sheets out of IUAC site, at a place / yard designated by the MCD for the industrial waste disposal.
- v. Cleaning of cooling towers internal and external surfaces from rust, loose paint / scale etc. using manual / power wire brush / emery cloth, applying one coat of epoxy primer & two or more coats of epoxy paint.
- vi. Trial running and commissioning and demonstration to achieve the manufacturer's designed conditions in the designed ambient conditions.

Annexure -II

Technical Specifications :

- i. All the material shall be of best quality, reputed Brands, as per relevant Burea of Indian Standard / as per requirement as approved by IUAC Engineer / CPWD specifications which is ever is of best quality.
- ii. Workman shall be of the best industry practice.

Annexure - III

Bill of Quantity:

<i>S.N</i>	<i>Description of items including Supply, Installation, testing & commissioning, Scope of works & Technical Specification Sheet attached)</i>	<i>Unit</i>	<i>Qty</i>	<i>Unit Price</i>	<i>Total cost</i>
1	PVC Fill double edge folded, Size-600 x 300 x 150 mm, as per requirement.	nos	960		
2	PVC Sub-header Heavy duty Pipe, Size-63 mm NB, 3648 mm long approx. as per requirement.	Nos	12		
3	S.S.Steel Screws for Splash cup as per requirement	nos	750		
4	S.S. Nuts, Bolts Washers, as per requirement.	nos	250		
5	FRP Stitching Materials (Resin, Fibre glass, hardener & powder for leakage repairing of sump tank) .	kgs	100		
6	FRP Stitching Materials (Resin, Fibreglass, hardener & powder for Top panel / roof repairing of sump tank) .	kgs	120		
7	Sealing compound as per requirement.	kgs	20		
8	Heavy duty PVC end caps 63 mm	nos	64		
9	Heavy duty PVC nozzle connections 40 mm	nos	64		
10	G.I. Heavy duty Pipe, Size-1" NB x 3648 mm approx. long for support, as per requirement.	nos	10		
11	G.I. Heavy duty Pipe, Size-1" NB x 3040 mm approx. long for support as per requirement.	nos	12		
12	PVC Splash cups for 63 mm branch pipe	nos	600		
13	FRP louver Plate, Size- 200 width x 6 mm thick, long as per requirement	mm	2745		
14	G.I. Cleat made of G.I. Equal Angle of Size-40 x3 mm, 75 mm long each	nos	44		
15	Charges for dismantling of cooling tower (I.e fan housing, top panel, eliminator, fills, supports, cleats, branch pipes, headers, nozzle, splash caps), cleaning of parts, re-fixing of all new material, FRP pasting etc as per requirement.	nos	2		
16	Painting of M.S. / G.I. supports (internal and external) one coat of epoxy primer followed by two coats of epoxy paint of Make - Nerolac / ICI / Berger, after cleaning with wire brush / emery cloth.	lot	2		
17	Loading, freight and disposal of all non-metal scrap to MCD designated place.	lot	1		
	Total				

Note :

- i.** Rates shall be quoted for all the items as above .
- ii.** All sizes / quantities given above are approximate, it is bidder's responsibility to take correct measurements / quantity before supply of items at site.
- iii.** Payment will be made as per actual quantity installed.
- iv.** Sample shall be approved before delivery of material at site.

Signature & Seal of Company