

Tender Document



Name of work :- “SITC of Air cooling ducting system in Exam building at University of Kota , Kota.”

Ref:- E-NIB NO:- 02/2019-20.(ITEM No. 01)

Bid Submitted by

Name:- -----

Address:- -----

Contact No. :- -----

Email ID:- -----



University of Kota, Kota

MBS Marg, Near Kabir Circle, Kota.

Ph No.-0744-2470880 E-mail ID:- Estate.uok@gmail.com

DOCUMENTS TO BE ATTACHED IN TECHNICAL BID ENVELOPE-I

	Bid for (Name of work for which the tender is submitted).	"SITC of Air cooling ducting system in Exam building at University of Kota , Kota."
	NIT Dispatch No & Date. Date
	Address of Procurement Entity.	Registrar, University of Kota, Kota Contact No 07442472934 Email Id :- Estate.uok@gmail.com .
	Name and address of the bidder submitting the tender (Photo ID Proof shall be attached).	
	PAN Card No. (Copy shall be enclosed).	
	GST registration no. (Copy shall be enclosed).	
	The tender fee amounting to Rs.500/- has been deposited vide Demand Draft in favour of Registrar, University of Kota.	Demand Draft Number..... Bank Dated.....
	The Bid Security amounting to Rs. 46,000/- has been deposited vide Demand in favour of Registrar, University of Kota.	Demand Draft Number..... Bank Dated.....
	The RISL Processing Fee amounting to Rs.500/- in favor of Managing Director RISL, Jaipur.	Demand Draft Number..... Bank Dated.....
	The Firm should have satisfactorily completed at least one similar project as defined below of 20.00 lacs or Two projects of 11.00 lacs each or three projects of 09.00 lacs each. Similar projects in Institutional projects of central/state Govt./Govt. undertaking of similar nature such as SITC of Air cooling ducting system institutional buildings in last five years ending 31.03.2018. Copy of the work order and successful completion certificate of employer must be submitted with the application.	
	Experience (Certificate issued by the competent authority shall be attached).	
	Annexure A, B, C, D & E and tender document shall be signed on each page as prescribed in Rajasthan Transparency in Public Procurement Rules, 2013 duly signed shall be enclosed.	

Enclosures :-

- (i) Copy of Photo ID Proof, PAN Card, GST registration Copy,
- (ii) Work experience certificate issued by the competent authority.
- (iii) Form A, B, C, D & E.
- (iv) Bid Security, Tender Fee, Processing Fee as above.

Signature of the bidder with Seal & Mob. No.

Ref:- E-NIB NO:- 02/2019-20.(ITEM No. 01)

General Terms & Conditions :

1. The completion period will be 02 months from the date of acceptance of offer.
2. The maintenance period will be Two summer season from the date of completion of work.
3. The variation in quantity -
The quantity may be varied *as per provisions of RTPP RULES 2013* of individual item and total contract value
4. The rates are firm. No price variation would be allowed on the quoted rates. All Govt., levies like income tax, cess & water charges are to be recovered from the contractor's bill.
5. The payment will be made as per progress of work. However, 40% of the supply cost of the item No.1, will be paid after submission of all relevant documents like challan and testing certificates etc. & material is delivered at site.
6. The material will be inspected by the university authority before use. However, in case of any doubt, material will be tested in the authorized testing labs. Testing charges will be paid by the contractor.
7. The work will be supervised by university engineer.
8. Electricity will be provided by university on free of cost for the work.
9. Make of LT cable should be M/s NICCO, Universal cables Ltd., Indian Cable Industries Ltd., Cable Corporation of India. Asian cables Ltd., Torrent cables. In-cab cable make FINOLEX only. The contractor should submit original testing report, challan etc., before releasing payment,
10. The damage to plaster & wall road/platform etc. will be repaired by the contractor at his own cost. Damages shall be finished to original surface.
11. Power supply cables shall be properly fixed and clamped with the help of G1 clamp by providing rawl plugs.
12. Work shall be done in such a fashion that over all look of the BUILDING should not be damaged due to providing of centralized air cooling system.
13. Successful bidder will have to execute agreement on the prescribed format on his cost on non judicial stamp paper & deposit Performance security at the rate of 5 % of the value of the tender amount as per rules within 03 days of issue or the work order. Which shall be refundable after completion of work and will bear on interest. Performance security may be deposited in the form of cash, bank guarantee or FDR of nationalized bank only in favor of REGISTRAR UNIVERSITY OF KOTA
14. Additional performance security has to be deposited if quoted rates are less than the tender amount, as per enclosed Annexure –E. Additional Performance security may be deposited in the form of cash, bank guarantee or FDR of nationalized bank only in favor of REGISTRAR UNIVERSITY OF KOTA
15. Security deposit will be deducted @ 10 % from Contractor running bills and will be refunded after defect liability period i.e. three years from actual date of Completion of work. The security deposit shall bear no interest.
16. During defect liability period contractor has to attend complaint within 24 hours time otherwise it will be rectified at the risk and cost of contractor and expenditure incurred on this account will be recovered from the dues of the contractor with University.
17. The contractor will be responsible for procurement of all/any materials as per approved quality required for completion of job at any time. Storage space on request, if available, may be provided as per norms of the company. If the storage space is not provided by the company then the contractor will have to arrange the same at his own.
18. All the materials required as per B.O.Q. for the work shall be arranged by the contractor at his own cost and risk.
19. **The Request for Proposal shall have to be submitted in two envelope system i.e.**

- I- Technical bid
(Containing all original/certified copies of eligibility)
- II- Financial bid
(Containing "H" Schedule)

The Interested bidders may submit their on-line bids along with separate Demand Drafts drawn in favour of "Registrar, University of Kota, Kota" payable at Kota towards the cost of Tender Fee (non-refundable) and RISL Processing Fee (Non-refundable) demand draft shall be in favour of "Managing Director, RISL" payable at Jaipur. A separate Demand Draft of Bid Security(Refundable) shall be in favour of Registrar, University of Kota, Kota.

1. The above original demand drafts must reach physically in the office of Procurement Entity,i.e. REGISTRAR University of Kota, Kota on or before last date as mentioned above failing which bids shall not be considered.

The Technical bid shall be opened on the same day 17.06.2019 at 4.00 P.M. (in the same office) in the presence of bidders who wish to be present. Time & date of opening the financial bid of Technically qualified bidders, as above, will be intimated by the university.

SCOPE OF WORK& Technical Specification

This includes supply of material, design, installation, testing commissioning of centralized Air-cooling unit (Single skin) at Exam building of university of kota Kota and providing GI duct in exam building of kota university kota.

Duct 20 Gauge G.I. Sheet

Duct Make Jindal/Tata/Essar Sheet

Duct 22 Gauge G.I. Sheet

Duct Make-Jindal/Tata Sheet

Air Grill Double Lower damper grill/

Outer Duct insulation as per specification of item in BOQ

CFM Plant (Cooler)

15000 CFM Cooler

06Nos

CFM Size 72"x78"x72" Height, 18 Gauge G.I. Sheet Power Coated

Description-24" Blower centrifugal type

TECHNICAL SPECIFICATIONS for AHU (single skin)

The air-cooling unit will be placed on the terrace of the BUILDING. The air-cooling unit will consist of three chambers having blower section, pad section and filter section. The detail of the units enclosed with the technical data, from this unit the cold air will be supplied in the room by means of GI duct and throw in the areas different locations with the help of supply air grills controlled with volume control damper with number of outlets.

80% of the supplied air will be exhausted by means of providing exhaust fans or by providing louvers in the window.

ITEM NO. 1-

This includes supply of material, design, fabrication & installation-of AHU. AHU should have air handling capacity of 15000 cfm with blower.

TECHNICAL DATA OF AIR COOLING UNIT (15000-cfm)

- | | |
|-----------|---|
| a) Casing | : To be fabricated out of 16G/18G G.I. sheet with and bolted panels, bolted, painted inside black, exterior as per requirement and frame should be Al. extruded section. |
| b) Pad | : 200mm thick Cellulose paper pad. (30 sq.ft, area) |
| (c) Fan | : DIDW forward curved, statically and dynamically balanced with M.S. construction.
Model I.I.D-1.5
R I'M 859
Motor -TLFC/1440 rpm V 3 Ph/ 50 cycles, AC supply (01 No.)
Static pressure - 40 mm WG
Total pressure - 45 mm WG |

Then 800 RPM. Body of the centralized air-cooling system should be fabricated of 16 SWG G.I. sheet with formed section. The base of the cooling system shall be made of angle size not less than 40 x 40 x 5

mm and blower base channel size not less than 40 x 70 mm. ythree phase motor should be ABB/Crompton Kirloskar/Bharat Bijlee/GE make and single phase pump motor should be Crompton/Kirloskar make. Fan should be of ROOTS/ZECO/SBS make.

(B) EVAPORATIVE SECTION :- the wet section will have 16 SWG GI tank with folded construction with the bolted openable sides in 16 GI sheet. The section will be of welded construction. 200mm thick cellulose cooling pads will be provided designed @2.5, /s to give 90% adiabatic efficiency. 2mm thick FRP specially fabricated header will be provided for the water distribution using 20mm PVC perforated piping. All wet section will include 5 layer 30 micron aluminium wire mesh filter of 50mm thickness including mounting of channel for the same. 15 mm brass bleed off cock, 20 mm heavy duty brass float, PVC drain overflow and bleed off outlet shall be provided on all wet section. 1.2 mm FRP lining shall be provided inside the evaporating tank to avoid the corrosion of the system. 50mm thermocol insulation shall be provided inside the blower section to increase the efficiency of the system. The blower section and GI ducting shall be connected with a canvass flexible duct. The pulley and 'V' belt shall be provided for transmitting power from motor to blower unit.

The thickness of cellulose pad shall be 200mm and it should be constructed of in honey comb vonstruction.

01 No. water pump of 3-4 meter head, discharge of 115 to 345 LPM self priming type manufactured by Crompton or Kirloskar shall be provided with the evaporating unit for circulation of water. The centralized cooling machine shall be designed as per the enclosed drawing and size & capacity of evaporating unit, blower section, water pump shall be got approved before commencing of work. The central air cooling system should be connected with 20 mm dia "B" class GI pipe with good quality float valve arrangement.

(C) the blower section and evaporating unit should be noise free. The noise level at outside of room should not be more then 70 db one meter away from the unit duct installation.

(D) the scope of work also include of civil nature of work like providing angle steel stand and foundation for air-colling system. The work of opening oof the hole for cooled air ducting system, cabling system and any other purpose is included in the scope of the work with complete repairing and painting etc.

The work includes installation of the AHU on suitable foundation to be fabricated by the contractor and to connect AHU with two distinct existing nearby earth electrodes.

This includes supply of material, installation, connecting, testing and commissioning of control panel board consisting of the following :-

- (i) DOL starrer for each blower of AHU shall be of M/s. L&T/ Siemens make and back up of suitable rating shall be Hegar and L&T make only.
- (ii) The 16 Amp. Capacity SSK/ VETO make switch with back up of MCB of 16 Amp. For controlling the power supply for water pump and 3 phase TPN 16 Amp. MCB for SWITCH-OFF and SWITCH-ON the power supply.
- (iii) The 3 Nos. indication lamps, 01 No. 500 V voltmeter and 0-50 Amp, ammeter with rotary switch for power supply to the system. The indication lamps and rotary switch shall be make of M/s L&T. The voltmeter & ammeter shall be M/s Mecro and AE make only. The main panel should be provided at the location approx. 20 meter away from AHU. Cable of proper size is to be provided for connecting the panle and AHU.
- (iv) Main power supply control arrangement will be through three pole MCCB of 63 Amp. Breking capacity 25 Kaicu= 100% ICS. Make of L&T/C&S/ABB/Siemens.

ITEM No. 2&3

The scope of work is included supply of material, fabrication, installation, 'connecting, testing and commissioning of 22 & 20 gauge GI sheet duct as per IS : 655. The GI sheet shall be made of M/s. TATA or SALL. Only. The fresh air duct shall be joined in properly to avoid air leakage from joints. The duct

should be supported with the help of MS rod of 8mm dia with proper reg bolt fasteners at a distance of 0.5 meter at corners and joints and 1 meter in straight portion. The hole for duct inside the room shall be done by the contractor by providing suitable opening. All least 2 opening should be provided in each room for cooled air, so that equal temperature can be maintained in all corners of the room.

ITEM No. 4-

This includes supply of material installation, connecting, testing and commissioning of air double deflection grill fabricated out of extruded aluminium section and damper made of MS. The air deflection grill and air damper shall be painted with powder coating matching to building colour. The size of the air deflection grills and collar dampers should not be less than 1.5 ft. x 1.0 ft. At least 2 fresh air ducts should be provided in each room so that equal temperature can be maintained at all portion of the room. Flexible connection should be guarded carefully by XPM of adequate size to provide protection against nuisance of monkey.

Compliance with the code of integrity and no conflict of interest

Any person participating in a procurement process shall-

- (a) Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process.
- (b) Not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation.
- (c) Not indulge in any collusion, Bid rigging or anti-competitive behaviour to impair the transparency, fairness, and progress of the procurement process.
- (d) Not misuse any information shared between the procuring entity and the Bidders with intent to gain unfair advantage in the procurement process.
- (e) Not indulge in any correction including impairing or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process.
- (f) Not obstruct any investigation or audit of a procurement process.
- (g) Disclose conflict of interest, if any, and
- (h) Disclose any previous transgressions with any entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:-

The Bidder participating in a bidding process must have a conflict of interest.

A Conflict of interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligation, or compliance with applicable laws and regulations.

A Bidder may be considered to be in conflict of interest with one or more parties in a bidding process if, including but not limited to;

- a. Have Controlling partners/shareholders in common; or
- b. Receive or have received any direct or indirect subsidy from any of them; or
- c. Have the same legal representative for purpose of the bid; or
- d. Have the relationship with each other, directly or through common third parties, that puts them in a position to have access have to information about or influence on the bid of another Bidder, or influence the decision of the procuring entity the bidding process; or
- e. The Bidder participates in more than one bid in a bidding process. Participation by a Bidder in more than one bid will result in the disqualification of all Bids in which the Bidder is involved. However this does not limit the inclusion of the same subcontractor , not otherwise participating as Bidder, in more than one Bid; or
- f. The Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specification of the goods, works or service that are the subject of the Bid; or
- g. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the procuring entity as engineer-in-charge /consultant for the contract.

Place :

Date

Signature of the Bidder with seal

Declaration by the Bidder regarding qualifications

In relation to my/our Bid submitted to UOK for procurement of **“SITC of Air cooling ducting system in Exam building at University of Kota , Kota.”**in response to their Notice Inviting E-Bid No. 02/2019-20 Dated 03-06-2019.

I/We hereby declare under section 7 of Rajasthan Transparency in Public Procurement Act , 2012, that:

1. I/We possess the necessary professional, technical , financial and managerial resources and competence required by the Biding Document issued by the Procuring Entity;
2. I/We have fulfilled my/our obligation to pay such of the taxes payable to the union and the State Government or any local authority as specification in the Bidding Document;
3. I/We have are not insolvent in receivership, bankrupt or being wound up, not have my/our affairs administrated by a court or a judicial officer , not have my/our business activities suspended and not the subject of legal proceeding for any of the foregoing reasons;
4. I/We do not have, and our directions and officers not have, been convicted of any criminal offence related to my/our professional conducted or the making of false statement or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceeding;
5. I/We do not have a conflict of interest as specification in the Act, Rules and the bidding document, which material affects fair competition;

Date:

Place:

with seal

Signature of bidder

Grievance Redressal during procurement process

The designation and the address of the first appellate authority is Hon'ble V.C. UOK, Kota.

The designation and the address of second Appellate Authority is Additional Chief Secretary (Higher Education, Govt. Rajasthan)

(1) Filing an appeal

If any bidder or prospective bidder is aggrieved that any decision , action or omission of the Procuring Entity is in contravention to the provisions of the act or the rules or the Guidelines issued there under, he may file an appeal to first Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Providing that after the declaration of a bidder as successful the appeal may be filled only by a bidder who has participated in procurement proceeding:

Providing further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filled only by a Bidder whose Technical Bid is found to be acceptable.

- (2) The officer to whom an appeal is filled under para (1) shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within thirty days from the date of the appeal.
- (3) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the Procuring Entity, as the case may be, may file a second appeal to second Appellate Authority specified in the Bidder Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the first Appellate Authority, as the case may be.

(4) Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

- (a) Determination of need of Procurement
- (b) Provisions limiting participating of Bidders in the Bid process;
- (c) The decision of whether or not to enter into negotiations;
- (d) Cancellation of a procurement process ;
- (e) Applicability of the provisions of confidentiality

(5) Form of appeal

- (a) An appeal under para (1) or (3) above shall be in the annexed form along with as many copies as there are respondents in the appeal.
- (b) Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payments of fee.
- (c) Every appeal may be presented to first Appellate Authority or Second Appellate Authority , as the case may be, in person or through registered post or authorized representative.

(6) Fee for Filing Appeal

- (a) Fee for first appeal shall be two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non refundable.
- (b) The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

(7) Procedure for disposal of appeal

- (a) The first Appellate Authority or Second Appellate, as the case may be upon filing of appeal, shall issued notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.
- (b) On the date of fix hearing, the First Appellate Authority or second Appellate Authority , as the case may be-
 - (i) Hear all the parties to appeal present before him; and
 - (ii) Peruse or inspect documents , relevant records or copies thereof relating th the matter
- (c) After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- (d) The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.

Signature of the Bidder with seal

Additional conditions of contract

1. Correction of arithmetical errors

Provided that a Financial Bid is substantially responsive, that Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:

- (i) If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- (ii) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (iii) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to vary Quantities.

- (i) At the time of award of contract, the quantity of goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decrease shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit price or other terms & conditions of the Bid and the conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the conditions of contract.
- (iii) In case of Procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the Service Provider fails to do so, the Procurement Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Service Provider.

3. Dividing quantities among one than more Bidder at the time of award (In case of procurement of Goods)

As a general rule all the quantities of the subject matter of procurement shall be procured for the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and visit nature, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair, transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.

Signature of the Bidder with seal

Annexure E (12)

OFFICE OF THE CHIEF ENGINEER, P.W.D. RAJASTHAN, JAIPUR
No. CE/PWD/D&T/Cir./D-123

Date 27.9.17

CIRCULAR

Sub: Additional performance security on un-balanced bids

A Bid is to be considered un-balanced if the Bid price offered by the bidder is more than 10% lower than the cost worked out as per market rate analysis. For the purpose of determination of additional performance security, current BSR rates shall be considered as the market rates. If the BSR is not revised for the Current Financial Year then only the market rate analysis is required and it should be uploaded on site before Bid receipt date in accordance with RTPP rules.

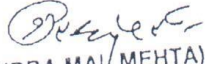
If "X" is the scheduled/market price of the work, then additional performance security shall be equal to :-

$$(0.9 \times \text{Bid Amount}) \times 0.4$$

[(Point nine multiplied by X minus Bid amount) multiplied by point four].

The additional performance security will be refundable after satisfactory completion of the work. This Order will be applicable from the date of issue both on Building as well as Road works under taken by the department. It bears approval of Administrative Department.

This order supersedes the previous order no. CE/PWD/D&T/Cir./D-140 Dated 20.09.2016


(JITENDRA MAL MEHTA)
Chief Engineer & Addl. Secy.,
PWD Rajasthan, Jaipur