



TAMIL UNIVERSITY, THANJAVUR

Tender Document

For

**Supply, Installation and Commissioning of Package Unit
Air conditioner System for Karikalcholan Auditorium at
Tamil University, Thanjavur**

Tender Notice No: 6/2019-20/Grant

November 2019

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TAMIL UNIVERSITY, THANJAVUR

Name of Work: Supply, Installation and Commissioning of Package Unit Air conditioner System for Karikalcholan Auditorium at Tamil University,Thanjavur

1. INVITATION

On behalf of the Tamil University, Thanjavur, Tender is invited for the **Supply, Installation and Commissioning of Package Unit Air conditioner System for Karikalcholan Auditorium** under two cover tender systems (Pre-Qualification Bid & Financial Bid) from reputed firms/ Service Providers / Agencies by the Registrar, Tamil University, Thanjavur. One cover shall contain EMD & Pre-Qualification Documents and the Second Cover shall contain Financial Bid. The Tender submission date is **04.12.2019** at **14.30 Hrs.**

2. PRE-QUALIFICATION CRITERIA

- a) The Bidder should have 3 years previous experience in **Supply, Installation and Commissioning of Package Unit Air conditioner System for Karikalcholan Auditorium** the Government departments / Universities/ other educational institutions/agencies.
- b) The bidder should have got their firm registered with Goods & Service Tax with the Government of India.
- c) The bidder should have recorded an average annual turnover of Rs.1.00 Crore per year during the last three (3) financial years. (2016-17, 2017-2018& 2018-2019). The bidder should submit the Annual Report/Audited Accounts Certified by Auditor in this regards.
- d) The bidders should have not been Black listed by any of the Government Agency in the past years for any reasons whatsoever.
- e) The bidder should have to produce FORM 16 for the Last 3 Financial year.
- f) See paragraph No 17.2 for further details.

3. SCOPE

The scope of this tender is to **Supply, Installation and Commissioning of Package Unit Air conditioner System for Karikalcholan Auditorium** at Tamil University, Thanjavur . The responsibilities of the selected tenderer are given below:

1. Company should have good track record over for the past three years from the date of Tender.

4. PERIOD OF COMPLETION

The Upgradation & Development Equipment for Community Radio Station work should be completed before 30 days from the date of supply order.

5. EARNEST MONEY DEPOSIT

- An Earnest Money Deposit of Rs.**29,380/-** (Rupees Twenty Nine Thousand Three Hundred and Eighty only) should be accompanied along with the Pre-Qualification tender.
- The Earnest Money Deposit should be remitted in the form of Demand Draft issued by any Nationalized or Scheduled Banks drawn in the favour of "The Registrar, Tamil University, Thanjavur- 613 010".
- NOTE: The EMD in the form of Bank Guarantee/ Cheque or other form will not be accepted.
- Pre-Qualification Bid without the requisite Earnest Money Deposit will be summarily rejected and treated as Non-Responsive tender.
- The Tenderer should not withdraw from the work after acceptance and received the work order from the university at any cost. Such withdrawal if any, is subject to legal proceedings by the university and cost of damage should be claimed from the tenderer.

6. EMD forfeit

If the successful tenderer fails to supply within the stipulated period, the Earnest Money Deposit amount remitted by the Tenderer along with the Pre-Qualification Bid will be forfeited and legal procedures by the University and the cost of the damage should be claimed from the Tenderer.

7. LANGUAGE OF TWO COVER TENDER SYSTEM

Tenders shall be offered in the prescribed forms in ENGLISH Language only.

8. VALIDITY OF BID

The Bids shall be valid for a period of 90 days (NINETY days) from the date of opening.

9. SUBMISSION OF BIDS

- a. Tenders should be submitted only through Post (or) in person in the Tender Box placed at the Registrar, Tamil University, Thanjavur –613 010.
- b. A two stage bidding procedure will be followed. Cover-1 shall contain the EMD, Pre-Qualification Bid, Signed Tender Conditions and Bidding document. The Cover-2 shall contain only the Financial Bid i.e., the cost of the components as in the Schedule C.

10. OPENING OF TENDERS.

The Cover-1 containing the original copy of the EMD, Pre-Qualification Bid and Tender Conditions and Bidding document will be opened by The Registrar, Tamil University, Thanjavur at **15.00** Hours on **04.12 .2019** itself, in the presence of the Tenderers (or) their Authorized Representatives, who choose to be present. The Pre-Qualification Bids of the Tenderers will be evaluated. The Financial Bids i.e., Cover-2 of the Tenderers will be opened only for the Tenderers, who have cleared Pre-Qualification criteria. The date and time of opening of the Financial Bids will be informed to the qualifying Tenderers, in the Pre-Qualification bids.

11. PAYMENT, SEHEDULE

After the supply of Materials in good condition with prescribed manner, the payment should be produced offer with spot payment condition may be ignored. The Supply should be of current manufacturing. If the stores are found defective, the same shall be replaced by the supplier immediately free of cost of the consignee's dept inclusive of all freight and handling charges. Fails which the Tamil University shall have a right to recover these charges from any payment.

12. NEGOTIATION

If it is felt that the price quoted by the lowest Tenderer is exorbitantly high with reference to the prevailing market rate, negotiation of rates will be made with the lowest Tenderer, for reducing the quoted rates to the reasonable levels. If the tender contains unbalanced items/rates the lowest tenderer must be prepared to furnish the detailed cost break up and other clarifications to the proposals submitted by them, as may be required to adjudge the reasonableness of their price proposals.

13. LIQUIDATED DAMAGES

Liquidated damages will be imposed on the contractor for the lapses/short fall in achieving the rate of progress as per existing schedule.

14. LEGAL JURISDICTION:

Jurisdiction of all legal proceedings, if necessary, relating to the above tender shall be the appropriate court in Thanjavur only.

15. ARBITRATION

Any fact or condition, which may not have been mentioned in Terms & Conditions and may arise after issuing work order, shall be decided as per the State Government policy/rules. In case rules/policies do not provide such situation, the issue will be referred for arbitration. Arbitration for any such dispute shall be conducted in accordance with the provisions of Arbitration and Conciliation Act 1996 or any statutory modification or re-enactment thereof.

16. WHOM TO CONTACT

For any clarifications regarding tendering, the bidders shall contact the Registrar at the following address.

The Registrar,
Tamil University
Thanjavur– 613 010.
Telephone: 04362-226720
Email: tamilunivreg@gmail.com

17. INFORMATION AND INSTRUCTIONS

17.1 FOR SPECIAL ATTENTION

Bids are invited in accordance with Tamil Nadu Transparency in Tenders Act, 1998 & Tamil Nadu Transparency in Tenders Rules, 2000.

17.2 PRE-QUALIFICATION CRITERIA

The bidding tenderer should be registered under Indian Company's and in existence for more than three years and should comply with the following eligibility criteria:

- i. Should be an Income Tax Assesses with PAN Card.
- ii. Authorization letter from Principals/Appropriate authority of Manufacturer should be produced without OEM letter the bidder will be rejected.
- iii. The bidder should have valid Goods & Service Tax registration and copy of Goods & Service Tax registration must be enclosed along with the tender.

DOCUMENTS TO BE PRODUCED

Copy of the work order and the issued by the concerned Government Department / Agency.

2. The bidder should have got their Firm registered with either Goods & Service Tax Directorate (or) with the Commercial Taxes Department or any other Government Department.

DOCUMENTS TO BE PRODUCED

- a) Copy of the Goods & Service Tax Registration Certificate issued by the competent authority.

3. The bidder should have recorded an average annual turnover of Rs. 75 Lakhs per year during the last three (3) financial years (2016-17, 2017-18 & 2018-2019).

DOCUMENTS TO BE PRODUCED

Copy of the Audited Balance sheet with associated documents duly certified by a Chartered Accountant.

4. The bidders should have not been Black listed by any Government Agency in the past years for the reasons whatsoever.

DOCUMENTS TO BE PRODUCED

A self-declaration in form of an undertaking to the effect that they have not been Blacklisted by any Government Department to be given in Rs.20/- valued India Non – Judicial stamp paper duly notarized.

18. METHODS OF TENDERING

- i. If the Qualification Application is made by an individual, it should be signed by the individual with his full name and his current address.
- ii. If the Qualification Application is made by a sole Proprietary Firm, it shall be signed by the Proprietor along with his full name and full name of the Firm with its current address. Document with regard to Registration as FIRM by the Registrar of Firms should be produced.
- iii. If the Qualification Application is made by a FIRM in partnership, it shall be signed by all the partners of the Firm with their full names and current address or by a PARTNER authorized by the Firm (either as per Articles of the Deed of Partnership or by Power of Attorney) for signing in Tenders, Agreements etc., In which case, certified copy of the Registered

Deed of Partnership along with the current address of all the partners and a certified Photocopy of the Registered Power of Attorney issued in favour of the Signatory, should be produced.

- iv. If the Qualification Application is made by a "Limited Company" it shall be signed by a duly authorized person holding the power of attorney for signing the application, in which case, the certified copy of the power of attorney shall accompany the application. Such limited company or Corporation shall also furnish satisfactory evidence of its existence along with the Pre-Qualification Application.
- v. Qualification application from joint ventures is not acceptable.
- vi. All the Signatures in the Pre-Qualification Bid Application and all the Signatures in the Documents produced **shall be dated.**
- vii. All the originals of the documentary evidences produced shall be produced, if asked for, for verification at the time of opening of **Pre-Qualification tender** or subsequently.
- viii. Any clarification on the documents submitted by the bidders may be called for by the Commercial Taxes Department.

19. CAPABILITY OF APPLICANT

The Applicant shall include with the Pre-Qualification Application, details in the prescribed Performa vide Schedule 'A' and 'B'.

- (i) Schedule – 'A' - Affidavit
- (ii) Schedule – 'B' - Self-Declaration on –Black Listing Certificate
- (iii) Schedule – 'C' - Commercial Quote

20. OPENING OF BIDS

- i. Bids received in sealed cover up to **14.30** hours on **04.12.2019** will be opened on the same day at **15.00** hours by the Registrar, Tamil University, Thanjavur in the presence of the Applicants or their authorized representative.
- ii. The Pre-Qualification bid and Financial Bid received belatedly on account of any reasons whatsoever, will not be opened or considered and will be returned unopened to the applicant.
- iii. Telegraphic Applications will not be entertained.
- iv. The date of opening of Financial Bid will be notified to the qualified applicants after evaluation of Pre-Qualification Bid well in advance.

SCHEDULE "A"

AFFIDAVIT

(To be furnished in Twenty Rupees Non – Judicial Stamp paper duly certified by Notary public)

- 1) I/WE the undersigned solemnly declare that all the statements made in the documents records etc., attached with this application are true and correct to the best of my knowledge.
- 2) I/WE, the undersigned do hereby certify that neither our firm/company nor any of its constituent partners have abandoned any work / works of similar nature and magnitude in India, during the last "FIVE" years.
- 3) I/WE, the undersigned do hereby certify that any of the contracts awarded to me / us has not been terminated rescinded, due to breach of contract on my / our part, during the last "FIVE" years.
- 4) I/WE, the undersigned authorize and request any bank / person/ firm/ Corporation / Government departments to furnish pertinent information deemed necessary and requested by the Registrar, Tamil University, Thanjavur to verify the statements made by me / us or to assess my / our competence and general reputation.
- 5) I/WE, the undersigned, understands that further qualifying information / clarification on the statements made by me / us may be requested and agrees to furnish such information / clarification within **"Five Working days"** from the date of receipt of such request from the
The Registrar, Tamil University, Thanjavur -10.

Dated Signature of Applicant with Seal.

(To be signed by the officer authorized by the Firm
Company to sign on behalf of the Firm/Company
with Company's Seal)

Note: In case of sole proprietary concern, affidavit should be signed only by the sole Proprietor.

(Title of the Firm/Company)

(Date)

The above named deponent has understood the contents well and solemnly and sincerely declared and affirmed by the deponent in my presence at and signed before me on this day of

(Seal)

(Signature of the Notary public)

SCHEDULE "B"

Self-Declaration on Black Listing Certificate.

SCHEDULE “C”

Technical Schedule/ Detailed Estimate

Name of the Work: **Supply, Installation and Commissioning of Package Unit Air conditioner System for Karikalcholan Auditorium at Tamil University,Thanjavur**

| Sl.NO | Name of the Items | Unit | Qty | Remarks |
|-------|---|-----------------------|-----|---------|
| | <u>Annexure I</u> Equipment configuration | | | |
| 1 | Supply of Hitachi/ Voltas/ Blue Star/(or) equivalent make Condensing Unit with Factory Pre-charged eco friendly Refrigerant R410 A of Highly energy efficient Scroll Compressors, Phase starting of Multiple AC units, LCD remote control with advanced error code display, Sensible Microprocessor to control malfunctioning, Variable speed condenser fan motor designed for outdoor high ambient 52 deg c | TR (9x 11 =99) | 99 | |
| 2 | Floor Mounted Horizontal Type Top Discharge Modular Double skin AHU of robust construction with Aluminium extruded structural profile joined by nylon glass fibre reinforced corner posts and with Polished 24 G G.I. Inner Skin and 24 G CRCA Sheet specially finished with polymer polyester paints or powder painted with oven cured epoxy based paint outside and 25mm PUF insulation in between, 17600 CFM at 50mm static Drive Arrangement, Kruger/Nicotra Fan, SS Drain Pan with 13 Nitrile Rubber Insulation, suitable TEFC drive motor 6 R Deep Coil with 1/2 “ Dia copper tube or 3/8” dia internally grooved copper tube and with face velocity not exceeding 550 FPM, fire proof canvas, outlet damper etc. Fan and Drive Assembly shall be statically and dynamically balanced and mounted over spring isolators, Not more than 3 coils shall be stacked one above other. There can be two coils side by side. | Set | 3 | |
| | <u>Annexure II</u> Materials, Installation | | | |
| 3 | Installation, Pressure Testing & Commissioning of quoted capacity of Condensing and AHU units | TR | 99 | |
| 4 | Supply and fixing of Suitable Expansion Valve, Liquid Line Strainer & other Refrigerant Line Accessories | No | 9 | |
| 5 | Supply, Installation, Testing & Commissioning of 18 SWG hard drawn copper refrigerant piping with its necessary accessories and 13 mm Nitrile Rubber Insulation for Suction Line | | | |
| i | 1 1/8” | Rmt. | 90 | |
| ii | 5/8” | Rmt. | 90 | |

| | | | | |
|-----|--|------|-----|--|
| 6 | Electrical Communication Cable: | | | |
| | Supply and laying of 3 core x 2.5 sq.mm electrical Cable from the outdoor unit to respective indoor units with necessary fittings. | Rmt. | 120 | |
| 7 | GI DUCTING – RECTANGULAR | | | |
| | Supply and installation of Rectangular GI Ducting made of Lock-forming quality GSS; complying with IS: 277 and having 120GSM coating classification with necessary supports angle seats, threaded rods, 2mm thick neoprene gasket as per SMACNA standards. | | | |
| I | 24 Gauge | Sqm | 250 | |
| Ii | 22 Gauge | Sqm | 120 | |
| Iii | 20 Gauge | Sqm | 80 | |
| 8 | EXTRUDED ALUMINUM GRILLS | | | |
| | Air grilles for air-conditioned areas fabricated out of Extruded Aluminium, powder coated sections, with colour matching to the interiors. | | | |
| | Supply / Return air continuous linear grill | Sqm | 35 | |
| 9 | THERMAL INSULATION FOR DUCTS | | | |
| | Supply and fixing of Thermal Insulation with Glass wool and factory faced with Aluminium Foil and stuck over the duct with suitable adhesive 25mm thickness | Sqm | 346 | |
| 10 | ACOUSTIC INSULATION FOR DUCTS | | | |
| | Acoustic Insulation with Glass Wool Rigid Board (Crown 300 or eq.) with 30% perforated 26G Aluminium sheet, fixed with G.I. Bolt and Nuts. | | | |
| | 12mm thickness | Sqm | 90 | |
| 11 | Supply and fixing of SRF fire retardant Canvas Connection | No | 3 | |
| 12 | PVC water drain pipe line with anti scale forming, suitable clamp and necessary fitting like elbows, tees & reducers with Nitrile rubber insulation | | | |
| | Pipe size 25.4 mm | Rmt. | 15 | |
| 13 | Refrigerant gas topping at site | Lot | 1 | |
| | GST | | | |

COMMERCIAL QUOTE:

Name of the Work: **Supply, Installation and Commissioning of Package Unit Air conditioner System for Karikalcholan Auditorium at Tamil University,Thanjavur**

| Sl.NO | Name of the Items | Unit | Qty | Rate Without Tax |
|-------|---|-------------------------|-----|------------------|
| 1 | Supply of Hitachi/ Voltas/ Blue Star/(or) equivalent make Condensing Unit with Factory Pre-charged eco friendly Refrigerant R410 A of Highly energy efficient Scroll Compressors, Phase starting of Multiple AC units, LCD remote control with advanced error code display, Sensible Microprocessor to control malfunctioning, Variable speed condenser fan motor designed for outdoor high ambient 52 deg c | Nos (9 x11 99TR) | 9 | |
| 2 | Floor Mounted Horizontal Type Top Discharge Modular Double skin AHU of robust construction with Aluminium extruded structural profile joined by nylon glass fibre reinforced corner posts and with Polished 24 G G.I. Inner Skin and 24 G CRCA Sheet specially finished with polymer polyester paints or powder painted with oven cured epoxy based paint outside and 25mm PUF insulation in between, 17600 CFM at 50mm static Drive Arrangement, Kruger/Nicotra Fan, SS Drain Pan with 13 Nitrile Rubber Insulation, suitable TEFC drive motor 6 R Deep Coil with 1/2 “ Dia copper tube or 3/8” dia internally grooved copper tube and with face velocity not exceeding 550 FPM, fire proof canvas, outlet damper etc. Fan and Drive Assembly shall be statically and dynamically balanced and mounted over spring isolators, Not more than 3 coils shall be stacked one above other. There can be two coils side by side. | Set | 3 | |
| 3 | Installation, Pressure Testing & Commissioning of quoted capacity of Condensing and AHU units | TR | 99 | |
| 4 | Supply and fixing of Suitable Expansion Valve, Liquid Line Strainer & other Refrigerant Line Accessories | No | 9 | |
| 5 | Supply, Installation, Testing & Commissioning of 18 SWG hard drawn copper refrigerant piping with its necessary accessories and 13 mm Nitrile Rubber Insulation for Suction Line | | | |
| i | 1 1/8” | Rmt. | 90 | |
| ii | 5/8” | Rmt. | 90 | |
| 6 | Electrical Communication Cable: | | | |

| | | | | |
|-----|--|------|-----|--|
| | Supply and laying of 3 core x 2.5 sq.mm electrical Cable from the outdoor unit to respective indoor units with necessary fittings. | Rmt. | 120 | |
| 7 | GI DUCTING – RECTANGULAR | | | |
| | Supply and installation of Rectangular GI Ducting made of Lock-forming quality GSS; complying with IS: 277 and having 120GSM coating classification with necessary supports angle seats, threaded rods, 2mm thick neoprene gasket as per SMACNA standards. | | | |
| i | 24 Gauge | Sqm | 250 | |
| ii | 22 Gauge | Sqm | 120 | |
| iii | 20 Gauge | Sqm | 80 | |
| 8 | EXTRUDED ALUMINUM GRILLS | | | |
| | Air grilles for air-conditioned areas fabricated out of Extruded Aluminium, powder coated sections, with colour matching to the interiors. | | | |
| | Supply / Return air continuous linear grill | Sqm | 35 | |
| 9 | THERMAL INSULATION FOR DUCTS | | | |
| | Supply and fixing of Thermal Insulation with Glass wool and factory faced with Aluminium Foil and stuck over the duct with suitable adhesive 25mm thickness | Sqm | 346 | |
| 10 | ACOUSTIC INSULATION FOR DUCTS | | | |
| | Acoustic Insulation with Glass Wool Rigid Board (Crown 300 or eq.) with 30% perforated 26G Aluminium sheet, fixed with G.I. Bolt and Nuts. | | | |
| | 12mm thickness | Sqm | 90 | |
| 11 | Supply and fixing of SRF fire retardant Canvas Connection | No | 3 | |
| 12 | PVC water drain pipe line with anti scale forming, suitable clamp and necessary fitting like elbows, tees & reducers with Nitrile rubber insulation | | | |
| | Pipe size 25.4 mm | Rmt. | 15 | |
| 13 | Refrigerant gas topping at site | Lot | 1 | |
| | Total | | | |

Note: 1) If there is any correction it should be counter signed.
2) Rate should be quoted in figures and words.

(Signature of Bidder)