



ACU/PS/AHRC-852/CTN-111 /2023-24

Date: 18 OCT 2023

### TENDER NOTIFICATION

The Adichunchanagiri University invites **closed tenders** from eligible tenderers or bonafide licensed manufacturer or their authorised local supplier/dealer/distributor in the state of Karnataka for the procurement of Heat Pump with Solar Unit for Special Wards at AHRC as per section I & II.

1	Name of the work	Supply and Installation of Heat Pump with Solar Units for Special Wards at Adichunchanagiri Hospital and Research Centre, BG Nagara
2	Last date for tender submission	On or Before 26.10.2023 up to 05:00 PM

### SECTION - I

#### Instruction to Tenderers

- The Tenderer shall send quotes in 2 bid formats (Technical and Financial bids sealed separately inside the main envelope for any or all list of items) on professional business letterheads. The inner and outer sealed cover must bear the following identification
  - Tender for .....[name of service | Contract]
  - Tender Reference No.....[insert number]
  - Address to "The Registrar, Adichunchanagiri University, B.G. Nagara -571448, Nagamangala (T), Mandya (D)"
  - The tenderer who prefers to submit the tender through Post can dispatch the same through Registered Post / Speed Post or Courier so as to reach the above address on or before the due date and time specified in the Tender Notice. Tenders received after the due date and time, for what so ever reasons will not be considered and the authority, ACU BG-Nagara will not be liable or responsible for the same.
- Tender Currency:** Prices shall be quoted in Indian Rupees Only
- AMC/CMC (If any)** is subject to the Adichunchanagiri University's norms.
- Warranty:** As per the Standard warranty period
- Amendment of Tender Documents:** At any time prior to the deadline for submission of tenders, the University may, for any reason, whether at its own initiative or otherwise, modify the tender documents by amendment. Adichunchanagiri University reserves all the rights to accept, reject, incorporate changes and re-tender without giving any reasons.
- Documents Comprising the Tender:** Shall attach Brochure, Certification of the product, Bank/account details, PAN, GSTIN, Good Standing Certificate and 02 Years



of ITR declaration inside the envelope and company contact details with email ID on the main envelope cover for further correspondence.

7. **Tender Prices:** Prices indicated on the Price Schedule shall be entered separately I.e. the price of the goods, quoted (ex-works, ex-factory, ex-showroom, ex-warehouse, or off-the-shelf, as applicable), including all duties and sales and other taxes already paid or payable. Any Indian duties, sales and other taxes which will be payable on the goods if this Contract is awarded. Conditional tenders will not be considered.
8. **Validity of the Bid:** 90 Days from the last date of submission of bid
9. **Corrupt or Fraudulent practices:** The Adichunchanagiri University requires that the Tenderers, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy:
  1. will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
  2. will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a university contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a university contract.
10. **Process to be confidential:** Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.
11. **Clarification of Tenders:** To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the tenders.
12. **Delivery:** The successful BIDDER should commence the services as per tender document/Work or Purchase Order. For any queries/ assistance, please write to registrar@acu.edu.in or telephone to purchase section +91 -8105525997.
13. **Penalty Clause:** Non-execution of supply order - For the reasons of failure to supply partially or completely within the stipulated time or any event of breach of contract. In case at any following stages
  1. For the delayed supply (3 days of grace period) - 5% deduction
  2. Quantity issues - 5% deduction
  3. Quality issues - 10% deduction



**SECTION -II**

**BoQ**

Sl. No	Description	Qty
1	Design, manufacture, supply 1000LPD Glass Enamel Coated Hot Water Storage tank with 8collectors to withstand working pressure 5bar & test pressure 7bar with heat pump backup with controllers & control panel and all necessary flow control and hardware as per attached specification.	1 Nos
2	Supply and installation of 32mm CPVC Pipe for Cold water line with all Accessories and fittings.	100 Mtrs
3	Supply and installation of 25 mm CPVC Pipe for hot water line with all Accessories and fittings.	120 Mtrs
4	Supply and installation of 25 mm Non return valve.	2 Nos
4	Supply and installation of 25 mm CPVC Gate valve.	5 Nos

**Technical Specification**

**1000LPDX01 no. Water Heater with Heat Pump as a back up**

SI No	DESCRIPTION	Specification	
1	System Capacity, in LPD	1000LPD	
2	Model	Solar water Heater with Heat Pump	
3	Circulation	Thermosiphon	
4	System maximum operating pressure	5 Bar- pressurized	
5	System output temperature	60°C at STC	
6	Number of Flat Plate Collectors	08 no's for 1000LPD,	
7	South facing shadow free area required for system installation	20 Sq.mtr,	
8	Collector	Type	Flat plate collector
		Size	1690X990X 100 mm
		Collector Frame	Extruded Aluminum
		Finish	Powder coated
		Absorber	Single sheet Aluminum
		Absorber coating	High performance single sheet German absorber with sputtering technology
		Absorptivity	>0.95



		Emissivity	< 0.05
		Header	Copper - 1"
		Riser	Copper - ½"
		Bonding between fin and tube	Laser welding
		Bonding between riser & header	Brazing with special neck formation in the header for smooth flow of fluid & stronger joint
		Back sheet	Aluminum, Riveted & sealed with Silicone sealant
		Glass	3.2 mm, Toughened, Low iron, Textured, High transmittance > 92% Solar glass
		Glass Beeding	EPDM
		End connection	Brass flange
		Back Insulation	Rockwool - 50mm, density - 48 kg/m <sup>3</sup>
		Collector support legs	Powder coated
9	Hot Water Storage Tank	Tank capacity, in Liters	1000 Liters.
		Tank type	Pressurized - Vertical
		Tank Material of Construction (MOC)	low carbon Steel, With Glass lined enamel coating TIG and MIG welded
		Tank internal coating	Glass Enamel - 250 to 300 micron
		Inlet Cold Water connection size	1" BSP
		Outlet Hot Water connection size	1" BSP
		Cold Water Outlet to Collector	1" BSP
		Hot Water Inlet from Collector	1" BSP
		Maximum Operating Pressure	6 Bar- Pressurized
		Tank Insulation Material	Tank Insulation - Rockwool with Aluminum cladding
		Sacrificial Anode	Titanium. ANODE

**Head of Procurement**  
**Adichunchanagiri University**  
**B G Nagara -571448**