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भारतीय प्रौद्योगिकी संस्थान धारवाड

Indian Institute of Technology Dharwad

Near High Court, PB Road, Dharwad-580011

TEL NO: +91 836 2212 839

**TENDER FOR SERVICING AND COMPREHENSIVE ANNUAL
MAINTENANCE CONTRACT OF SOLAR WATER HEATING
SYSTEM INSTALLED AT KEERAVANI HOSTEL AT WALMI
CAMPUS AT IIT DHARWAD**

Tender no.: IITDH/MMD/IPS/2020-21/101

INDIAN INSTITUTE OF TECHNOLOGY DHARWAD
Near High Court, PB Road, Dharwad-580011
TEL NO: +91 836 2212 839

Tender no.: IITDH/MMD/IPS/2020-21/101

NOTICE INVITING TENDER

Name of the work:	Tender for Servicing and Comprehensive Annual Maintenance Contract of solar water heating system installed at Keeravani hostel at WALMI Campus at IIT Dharwad
Type of Tender:	Open Tender Enquiry
Estimate Value:	Rs.5.30 Lakh approx..
Cost of tender documents	Free of cost
EMD:	Rs.10,600/- (DD/PO in favour of The Registrar, IIT Dharwad) to be attached with the tender as separate sealed envelope.
Issue of tender:	29 th September 2020
Last date for submission of tender:	Date: 13 th October 2020
	Time: 10:00 AM
Opening of tender:	Date: 13 th October 2020
	Time: 10:30 AM
Contacting Authority:	The Assistant Registrar (MMD) Near High Court, P B Road Dharwad-580011 E-mail: armm@iitdh.ac.in Telephone: 91-836-2212-839

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1. GENERAL CONDITIONS OF CONTRACT

Sealed tenders are hereby invited on behalf of the Indian Institute of Technology, (IIT) Dharwad, for Servicing and Comprehensive Annual Maintenance Contract of solar water heating system installed at Keeravani hostel at WALMI Campus at IIT Dharwad.

2. QUALIFICATION CRITERIA:

Only those bidders fulfilling the following Eligibility Criteria should participate in the tender: -

- 2.1 The Bidder must have carried similar out one similar AMC work of value 3.00 lakhs in reputed organizations/IITs/IIMs/Govt. offices/PSUs/Central Universities etc. during a period of last 3 years (i.e. must have successfully completed the work during Sep 2017). Work orders, Completion certificates from client etc. to this effect are required to be enclosed.

Note: “Similar Job / service” refers to “AMC of various types of Solar Water Heating Systems (Flat Plate Tube Collector and Evacuated Tube Collector), their inspection and providing training for their operation”.

- 2.2 A Certificate/Undertaking on the letter head of the Company to the effect that the bidder/Manufacturer has not been blacklisted anywhere in India or abroad by any organization. A self-certification to this effect is required to be enclosed.
- 2.3 The Bidder should be registered with concerned statutory authorities for GST/Income Tax etc. The bidder should furnish relevant GST registration documents and PAN/TAN copies along with the bank details of the firm.

Any prospective bidder, not satisfying any of the above mentioned qualification criteria shall be disqualified on technical grounds and the price bid of such disqualified bidder will not be considered for this tender.

Important: Contractor to follow all the protocols of COVID-19 as per the Government instructions.

3. Tender documents can be obtained from IIT Dharwad website:

https://www.iitdh.ac.in/announcements_worktenders.php

4. Tenders are to be submitted in a serially numbered & bounded manner. The tender should be submitted in the **tender box by the tenderer kept in Office of Assistant Registrar up to 10:00 AM** on or before last date and time of bid submission as mentioned in Notice Inviting Tender (NIT). The sealed envelope must be super scribed as **“Servicing and Comprehensive Annual Maintenance Contract of solar water heating system installed at Keeravani hostel at WALMI Campus at IIT Dharwad”**. Tender will be opened by Assistant Registrar or his authorized representatives in his office / any other place in the Institute on date and time of tender opening as mentioned in NIT, in the presence of such tenderers who desire to attend.

5. Tenders should be addressed to Assistant Registrar, Indian Institute of Technology Dharwad, Near High Court, PB Road Dharwad 580011. The name of the tenderer and the name of the work must be noted on the above.
6. Income Tax PAN number & GST registration number is to be submitted along-with the bid.
7. The tenderers should write in figures as well as in words for the rates quoted by them on the proper form of the tender. All corrections / over writings must be attested by the dated initials of the contractor. The tenderer is advised to avoid offering discount /rebate in the covering page or at the end of the schedule. Instead the same can be incorporated in the unit rate by reducing the unit rates. If at all offered, the discount / rebate percentage offered is to be written in words such as Five percent / point Five percent etc.
8. The rates quoted shall be inclusive of all taxes, royalties etc. The contractor shall quote for all the items whose rates are asked and not leave any blanks all taxes including GST shall be borne by the contractor.
9. The offer should be valid for 60 days from the date of opening for the purpose of issue of acceptance letter. The amount quoted herein after referred to as Base rate must be firm and inclusive of all charges of any kind and inclusive of any kind of liability from / to any authority. GST shall be mentioned separately and must not form part of base price. There will be no extra payment or payment of escalation in the amount under any circumstances whatsoever. Statutory taxes will be deducted at source from the payment against the bill amount.
10. No extra item or substitute item shall be allowed out without prior approval in writing.
11. Work has to be carried out in consultation with the representative as authorized by IIT Dharwad.
12. The tenderer should submit the requisite interest free Earnest Money Deposit (EMD) by pay order or Demand Draft in favour of the **The Registrar, IIT Dharwad**. Tenders not accompanied by the Earnest Money Deposit shall not be considered. The EMD of unsuccessful tenderers will be returned within one month of award of work. In case EMD exemption is sought under SME/MSME/NSIC, Valid certificate from MSME explicitly mentioning the tender work herein, is required to be submitted.
13. Security deposit of 5% (Five percent) from the bills will be retained until the DLP (Defect Liability Period) of 03 months (Three months). Defect Liability period will be 03 months from the date of end of CAMC. **The Earnest money deposit paid at the time of tender, will be released after payment of final bill.**
14. The full value of Earnest Money Deposit is to be absolutely forfeited to the Director, IIT Dharwad or his authorized representative, with prejudice to any other rights or remedies to the Director, IIT Dharwad or his authorized representative, if the contractor fails to commence the work within 15 days continuously from the schedule date of commencement specified.
15. No part of the contract shall be sublet without written permission of IIT Dharwad nor shall transfer be made to power of Attorney authorizing others to receive payment on contractor's behalf.
16. IIT Dharwad reserves the right to reject any tender or all the tenders without assigning any reason therefore.
17. The Contractor shall comply with the provisions of all Acts, Statutes, Rules, Regulations etc. of the Central and State Government as the case may be that may apply to his case and if necessary, get himself duly registered as required by the said Acts, Statutes, Rules, Regulations etc.

18. The contractor for the work shall be liable to pay applicable tax (including Taxes on works contract to state Government) if any that may be levied by the State or Union Government. Any request contrary to this will not be accepted.

19. Duration of contract: Servicing of SWH systems must be completed within 30 Days from the date of issue of work order. For CAMC, one year from the date of completion of servicing of SWH systems.

20. Terms of payment: As per the certification of the site engineer, the payment for the servicing of SWH systems shall be paid once the work is completed.

The AMC charges shall be paid in arrears on quarterly basis after satisfactory completion of work in each quarter. During one year there shall be 4 quarters and hence 4 bills may be raised by the vendor.

Any statutory deduction at source, as applicable, will be deducted from your bills. Vendor should submit the feedback form from users stating the system is working satisfactorily.

21. It shall be open to the Institute to abandon or give up at any stage of the construction of any of the said works or any part thereof. In the event of such abandonment or giving up or in the event of termination of the agreement, the Contractor shall be paid up to the work performed by then

22. Termination of contract If the Contractor fails to perform any of its obligations under this agreement or if Institute is dissatisfied with the services of the Contractor, Institute may issue seven days' written notice intimating the Contractor of their failures or deficiencies and calling upon Contractor to rectify within such time as may be specified in the notice and if the Contractor fails to perform such obligation or make good such deficiencies as pointed out to the Contractor in the notice, Institute may terminate the services of Contractor under this agreement. Institute may also terminate the Contract hereunder:

- i) if the firm is adjudged bankrupt or
- ii) if they make a general assignment for the benefit of their creditors or
- iii) if a receiver is appointed on account of their insolvency or
- iv) they disregard law, ordinances, rules, regulations or orders of any public authority having jurisdiction on the works.

The termination shall be without prejudice to all rights, liabilities and remedies that have arisen or accrued till date of such termination or that may arise on account of such termination and Institute may get the project completed by whatever method they may deem expedient. In such case, the Contractor shall not be entitled to receive any further payment, if due, until the loss, damage or expense incurred by Institute due to breach of this agreement by Contractor have been settled.

In case the Contractor abandons the work during the course of the project, the Institute has the right to appoint an alternate Contractor or make an arrangement for carrying out the work of Contractor, at the risk and cost of the Contractor. Traveling / daily allowances shall not be payable to the Contractor, its representatives, officials and consultants engaged by it for their visit to construction site, offices of local authorities, Employer's office or any other place in Dharwad.

The scope of work broadly described herein and assigned to Contractor, as their area of

responsibility is inclusive of all constancy and other services required in connection with the completion of work whether specifically mentioned herein or not and rendering such constancy services will not entitle the Contractor to charge any additional fees in as much as the same are included in the overall professional fees payable to them.

23. Liquidated Damages Clause:

If any delay in execution of the works is attributable to the acts or omissions and commissions of Contractor Institute shall be entitled to recover liquidated damages at the rate of 0.5% of the total fees per week of delay limited to maximum of 10% of the total actual fees payable.

24. Professional indemnity: Contractor warrants that it shall exercise high degree of care and diligence in rendering the services pursuant to this agreement and that; such services shall be of a quality and standard satisfactory to Institute. The Contractor shall indemnify Institute from any damage or loss arising from such lack of care and diligence or arising out of any unsatisfactory performance of service by Contractor. The contractor is required to obtain a Contractor All Risk (CAR) policy for successful and safe completion of project. Contractor shall provide a copy of this policy to Institute showing that such insurance has been taken and being maintained and that all the premia thereon have been paid. A certified copy of such insurance policy shall be deposited with Institute.

25. Dispute Settlement: In case of any dispute or difference arise between the parties during the progress of or after construction of this contract or touching or relating either to the said buildings or works, or to any other matter or thing arising directly or indirectly under this contract, then and in such an event the same shall be referred to Director, IIT Dharwad as the SOLE ARBITRATOR who shall alone consider and determine the same, whose decision / award shall be binding and conclusive upon both the said parties and this clause shall be deemed a submission within the meaning of Arbitration and Conciliation Act 1996 or Statutory modification or re-enactment thereof. It is specifically agreed that the Contractor shall continue to render its services provided herein with all the due diligence, professional skill and tact notwithstanding that any matter, question or dispute has been referred to arbitration. The venue of Arbitration proceedings shall be Dharwad. It is further agreed between the parties as hereto that the Dharwad Courts alone shall have the exclusive jurisdiction.

26. Site: The contractor shall remove all surplus materials, debris etc. out of the IIT Campus from the site of work on completion work and will hand over the site clean before the bill is processed for final payment. Dismantled materials if any (declared by Engineer-in-charge of the work) shall be returned to the Estate/ Electrical stores by the contractor at his own cost. The disposal of material shall be done in environmental friendly way and complying with the local rules and regulations.

27. Security

a. Movement of contractor's materials:

Any materials which are removed from the site of work and are required to be taken out from the IIT campus, the contractor should follow the following procedure:

The contractor shall apply in writing to the Engineer- in-charge the details of the materials to be removed including which are rejected etc. This application shall be endorsed by the engineer in charge or his authorized representatives. The materials shall only be allowed to go out of IIT campus after counter signature of the security officer and checked at the gate. No materials/tools will be allowed to be brought on holidays/Saturdays/Sundays inside the campus. Contractors can bring the materials/tools/between 0900 hours and 1700 hours on any working day (Monday to Friday). This may please be noted.

b. Search:

Thorough search of all persons and transport shall be carried out at each gate and for as many times as gate is used for entry or exit and may also be carried out at any time or any number of times at the works site within the restricted area.

c. Working Hours:

The units controlling restricted areas usually work during five days in the week and remain closed on Saturday and Sundays. The working hours available to contractor's labour and staff are however appreciably reduced because of the time of entry and exit during working hours. The exact working hours, working days and non-working days observed for the restricted areas where works are to be carried out shall be deemed to have been ascertained by the contractor before submitting the tender. The tenderer's attention is invited to the fact that the total number of working hours for units are prescribed in regulations and no work beyond the prescribed working hours shall be permitted.

d. Entry and Exit:

The contractor, his agents, representatives, workmen, etc. and his materials, carts, trucks or other means of transport, etc. will be allowed to enter through and leave from only such gate or gates and at such times as the concerned authorized in charge of the restricted area may, at their sole discretion, permit. Contractor's authorized representatives, if required, are to be present at the places of entry and exit for the purpose of identifying his carts, trucks, etc. to the personnel in charge of the security of the restricted area.

e. Labour Law:

The work will be executed strictly following the Labour Laws of Central Govt & State Govt as may be applicable.

28. Scope of Work:

- i. The representative of the vendor has to observe all security and safety norms within the campus.
- ii. Your Service Engineer should inspect and submit a report for SWH systems on monthly basis.
- iii. The vendor has to carry out inspection, servicing, repairing, maintenance including the replacement of spare parts such as Air release valve, Rubber washer, Temperature gauges etc. and Replacement of insulation such as Glass wool, Aluminium sheet components etc.
- iv. Replacement of Insulation (Glass wool, Aluminium sheet) of each SWH system shall be carried by vendor limited to five meter per system, if required. Beyond five meter it will be in scope of IITDH.
- v. No spares, consumables and manpower will be supplied by IIT- Dharwad. AMC should cover servicing, repairing, and replacement of mechanical and electrical spares/parts/components.
- vi. Servicing shall be carried at every quarter in a year. However, the representative of the vendor shall visit and attend the repairs as and when a complaint on functioning of any of the SWH System is made.
- vii. Consumables Anode rod, 1" GIT Cross, Glycol Service 25 kg (approx..) per SWH system shall be replaced by the vendor twice in a year respectively.
- viii. Comprehensive AMC of SWH if needed, will be renewed for One year consecutively after observing satisfactory services provided by the Firm.
- ix. De-Scaling of complete SWH system shall be carried once in six months.
- x. Modification of Plumbing system will be done by you if necessary on actuals.

29. Special terms and conditions:

- i. Validity of Contract: The contract shall be valid for one year from the date of issue of work order for Comprehensive AMC of SWH systems.
- ii. All tools & tackles required for maintenance and testing work shall have to be provided by the tenderer at no extra cost.
- iii. Spare parts used by vendor should conform to IS specifications as applicable.
- iv. Any damaged due to mishandling by the person deputed by the vendor shall have to be restored back to its original condition by the vendor at their own cost.
- v. Bids with overwriting are liable to be rejected.
- vi. All Complaints must be attended within 48 hours.
- vii. If the services of the successful vendor are found to be unsatisfactory then the contract may be terminated giving one month's written notice, if the vendor does not rectify the non-performance notified, within the aforesaid notice period.
- viii. Vendors may visit sites before submitting the offer, if required.
- ix. Validity of Rates: The accepted rate shall remain firm for the entire duration of contract.

30. Evaluation Criteria

The L-1 will be decided on the Grand Total Rate quoted for the work. All levies/taxes (i.e. GST etc.) must be clearly mentioned in the row provided for the purpose (as per format of commercial bid).

However, the decision of the Competent authority will be final and binding in awarding the order. In case of any clarification required, the same can be clarified from IIT Dharwad before submission of the bids.

Bidder Information

1.	Name of the Bidder	
2.	Address of the Bidder	
3.	PAN No.	
4.	GSTN No.	
5.	State of GST Registration	
6.	E-mail	
7.	Contact Person's Name & Designation	
8.	Mobile No.	

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TEL NO: +91 836 2212 839

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SCHEDULE OF WORK / BOQ / PRICE BID
(To be quoted on the letter head of the bidder)

Bill of Quantity (to be quoted only in INR)					
Sl. No.	Particulars/Description	Unit	Qty.	Unit Rate	Amount
1	Replacement of stainless steel hot water storage tank with stainless steel heat exchanger absorber made of copper sheet and copper tube of following capacity aluminium box collector with appropriate capacity electrical back up arrangement excluding inlet and out let pipes. SS Model with 100mm thick of 48Kg/M3 density Rock wool insulation with PUFF				
	300 Litre capacity tank	Each	3		
2	Replacement of solar hot water heater Flat Plate Collector (FPC) panel of size 2120x1040x100mm, for existing SWH system	Each	2		
3	Modification of existing plumbing including, Providing and fixing Chlorinated Poly Vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, collars, tees, unions, elbows, cpvc valves, 3/4" valves, etc. this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (External work).				
	25mm nominal OD pipes	Mtr	50		
4	Providing and fixing in position Brass stop cock of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specification				
	20mm dia nominal bore	Each	40		
	25mm dia nominal bore	Each	40		
5	Providing and fixing in position Brass ball valve high or low pressure with plastic float of approved quality nominal bore including cost of all materials, labour and HOM with all leads complete as per specification				
	25mm dia nominal bore	Each	17		
6	Providing and placing on terrace, polyethylene water storage tanks as per IS 12701:1996 with man hole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials , labour, transport charges, HOM and	Nos	5		

	testing complete as per specification (for 1000 litre capacity)				
7	Servicing of existing FPC type SWH system, Comprehensive AMC of SWH system, 300LPD each, for a period of 1 year, with all necessary servicing, repairing, including the replacement of spare parts such as Air release valve, Rubber washer, Temperature gauges, Consumables Anode rod, 1” GIT Cross, Glycol spirit of 25kg approximately for each solar system shall be replaced by the vendor twice in a year respectively.	Each	17		
8	TOTAL				
9	GST/Taxes as applicable				
10	GRAND TOTAL				

Declaration: I/We do hereby accept all the terms and conditions laid down in the tender document for the above said work/supply. I/We also agree to the condition that the right to suspend the tender process or part of the process, to accept or reject any or all the tenders at any stage of the process and/or to modify the process or any part thereof at any time without assigning any reasons thereto is reserved by the Competent authority of the Institute without any obligation or liability whatsoever.

Signature of the Bidder/Manufacturer with date and seal