


CORRIGENDUM

Tender bids for the supply, Installation, Testing and Commissioning of Solar Water Heater of various capacities for our FARMERS' HOME-ANIKET HOSTEL

No.	Detail printed in Original Tender floated	Corrections required
1	ANNEXURE 3, Page 15, Earnest Money Deposit Details (Rs. 50,000/-)	Earnest Money Deposit Details (Rs. 15,000/-)
2	Annexure-5: Technical Specifications* and Scope of Work, Item No. 5, Storage Hot Water Tank:	Stainless steel SS304, 2B grade having automated Argon welding for leak proof joints, Thickness: 1.2mm. is to be deleted
3	Annexure-5: Technical Specifications* and Scope of Work, Item No. 23.	Supply and installation of 25 mm GI B class make TATA/JINDAL with required ISI mark elbow duly insulated with 50 mm Rockwool and clad with 24 SWG aluminium sheet as per requirement. -Is to be deleted. Supply and installation of ¾ inch C PVC Insulated pipeline for Hot water supply including fitting, fixing, plumbing etc. shall remain and apply.



Anand Agricultural University
Directorate of Extension Education
 University Bhavan, 2nd Floor, Anand-388 110
 Phone No. (02692) 262 316, Fax : (02692) 262 317

NOTICE INVITING TENDER

Sealed tender bids are invited for supply, installation, testing and commissioning of 300 and 500 lpd capacities Solar water heater systems (Evacuated Tube Collector Type) and 2 HP submersible water pump for our FARMERS' HOME - ANIKET Hostel from experienced and eligible bidders.

Name of the Items	Tender Fees	EMD	Last Date
Solar Water Heater Systems (Evacuated Tube Collector Type) & 2 HP BSI marked submersible water pump	(Rs.) 500/-	(Rs.) 15000/-	15-02-2016

Tender documents containing detailed scope of work, specifications of items, general terms & conditions & eligibility criteria are available on our website: www.aau.in. Completed tender bids in sealed envelope superscribed with the appropriate "Tender Reference and due date" can be submitted latest by 5.00 PM on last date as mentioned above.

Date : 30.01.2016

Place : Anand

P.P. PATEL
DIRECTOR OF EXTENSION EDUCATION

Tender No:

Date:



Supply, Installation, Testing and Commissioning of Solar Water Heater of various capacities for our FARMERS' HOME-ANIKET HOSTEL

1	Last Date for accepting the Tenders/Bids (Physical & Financial)	15-02-2016	Up to 5.00 PM
2	Date for opening the Physical Tender/Bid	15-02-2016	At 5.00 PM
3	Date for opening the Financial Tender/Bid	16-02-2016	At 3.00 PM

**DIRECTORATE OF EXTENSION EDUCATION
ANAND AGRICULTURAL UNIVERSITY
UNIVERSITY BHAVAN, 2ND FLOOR
ANAND-388 110
Phone No: (02692) 262316, Fax: (02692) 262317**

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Preface

Directorate of Extension Education, 2nd Floor, University Bhavan, Anand Agricultural University, Anand invites tender bids for the supply, Installation, Testing and Commissioning of Solar Water Heater of various capacities (as mentioned in Annexure for specifications) for our FARMERS' HOME-ANIKET HOSTEL.

Technical & Price (Financial) Bid Guidelines:

- a) Tender in duplicate will have to be submitted in two parts: Cover-1 (Technical Bid) and Cover- 2 (Price Bid) separately sealed and super scribed with the name of the work. EMD should be in Cover-1 envelop.
- b) Cover-1 Envelop (Technical Bid): This envelop shall contain:
- c) The EMD amount of Rs. 15000/- (rupees fifteen thousand only) by means of Demand draft /Banker's cheque drawn in favour of AAU Fund Account, AAU, Anand.
- d) Registration certificate of the firm/company
- e) Solar water heating system of 2500 LPD (Total) has been installed in Govt. sector or PSU unit or large private sector for in the last financial year 2015-2016and provide the work order with BOQ & completion certificate.
- f) Copy of contractors valid registration certificate of GEDA/MNRE
- g) Shall contain all commercial and general profile valid PAN, Service Tax Registration No., Trade Lenience, Annual turn Over, Copy of Work order of last three years for SWH work, credentials for last three years, Name of the Banker, Address proof, Contact details with e-mail, mobile numbers.
- h) Company must have service centre at Anand/Ahmedabad/ Vadodara/Rajkot
- i) Technical Specification of SWHS along with Signature and Seal.
- j) Important terms and Conditions along with Signature and Seal.
- k) Cover-2 (Price/Financial Bid): Shall contain the offered price with the tender documents duly filled in duplicate. No other condition stipulated in Cover-2 other than unconditional general rebate shall be accepted.

Date and Time of opening of Tender:

Cover-1 will be opened at 5.00PM on 15-02-2016 in the presence of Tenderers/ Bidders who desire to attend.

After examining the stipulations if any, in Cover-1 of the tender, Cover-2 of the qualified bidders will be considered for opening in presence of Tenderers/Bidders who desire to attend. Date and time of opening of Cover-2 will be intimated to all the qualified Tenderers/Bidders.

In order to expedite the process, the representatives deputed by the Tenderers/Bidders at the time of tender opening should be authorized to take the decision on behalf of the Tenderers/Bidders.

Delay in submission of any part arising out of the postal irregularities or any other at any stage will not be considered.

Also the Anand Agricultural University, Anand will not be responsible for damage in transit in case of postal delivery.

In case the date of opening of tenders is declared as a holiday, the tender will be opened on the next working data the same time. Anand Agricultural University, Anand has the right to accept/reject any/all tenders without assessing any reasons.

Director of Extension Education
Anand Agricultural University Anand

Instructions for Submitting Tender Bid

1. Tender bid can be send by post/ courier at our office by time as specified in tender notice. Tenders received late will be rejected.
2. Bid can be submitted by by post/ courier only. For bids submitted by post or courier, it is bidder's responsibility that bid reaches our office on or before the scheduled time and date.
3. Tender bid should be sent in duly sealed cover, super-scribed with **“Tender for supply of Solar Water Heater of various capacities by due date: 15-02-2016”** All the pages of Tender document should be signed and enclosed with the tender bid, as a token of acceptance of all terms and conditions as mentioned in the tender document.
4. All bids shall be opened in the presence of intending parties. Their authorized representative who will be present at the time of bid opening.
5. In case tender opening date is declared a Holiday, bids shall be opened on next working day at the same time specified above.
6. Any certificate/ document not found enclosed with the tender document as required for fulfilling the eligibility criteria of bid may lead to declaring the party as non-eligible and in this event their bid may not be considered and may be out rightly rejected. Bidder has to complete all the Annexure and submit along with this Tender Document signed.
7. Tender form shall be filled up legibly typed giving full name and address of the tender, over writing, alterations/ additions etc. will disqualify the tender unless such overwriting, alterations/additions year attested and signed by bidder. Conditional/telegraphic/fax/
E-mail tenders shall be rejected.
8. The bidder shall have to enclose following documents along with Tender bid:
 - a. List of all the purchase orders duly indicating the name of client, his address, type & quantity of material and the date of supply & Installation/execution during the last 36 months along with at least one performance certificate (or frequent order execution with same supplier) along with copy of the purchase orders executed in the last one year in same firm name and style.
 - b. Any document (such as excise/sales tax document) issued by Govt. or semi Govt. Department which certifies /proves that the bidder is in business for the required period should be attached along with the Tender Bid.
 - c. The bidder shall be registered with the office of competent authority or under statutory bodies at the time of bid opening in the same name and style. In order to support this bidder shall submit any of the following documents:

A copy of the Registration Certificate issued by the Registrar of Companies in case of firms of proprietary nature

OR

Copy of partnership deed in case of partnership firm

OR

Copy of article of association in case of Pvt. Ltd. Companies

OR

Copy of registration certificate for firms registered with NSIC/ Central or State Govt. Department/ Local bodies for similar work

OR

Bidder shall enclose/mention the PAN and TAN number of the firm and to support this, he/she shall submit a photo copy of PAN/TAN certificate.

Bidder's firm shall be registered with Sales Tax Department. VAT/CST numbers shall be mentioned by the bidder and in support of this; he/ she shall submit a photo copy of sales Tax registration certificate duly renewed by the competent authority.

9. Submitted documents shall be numbered and attached serially indicating serial number. Total number of pages enclosed shall be shown in the index.
10. ISO certified company may be preferred to others. A copy of valid license/ certificate should be attached with Tender Document.
11. Tender shall be accompanied with requisite amount of Tender Fees (Non-refundable) as mentioned in Tender inviting notice and EMD (Earnest Money Deposit) as specified in tender inviting notice. Tender fee and EMD should be in form of Demand Draft in favor of Anand Agricultural University Fund Account payable at Anand. Tender bids without Tender Fees and EMD will automatically be rejected.
12. EMD of successful bidders shall be retained as security deposits without any interest till supplies are complete against the supply Orders issued under this Contract. (i.e. Contract period completion)
13. Earnest money of unsuccessful bidder shall be returned after within 60 days from the finalizing of contracts, without any interest in it.
14. Validity of offers should be 120 days from the date of Bid Opening.
15. Rate shall be finalized based on the lowest offer strictly complying with specifications.
16. Any offer received after due date or times shall be straightway rejected.
17. We reserve the right to accept or reject any quotation, to reject quotations for some or all items and to cancel the entire bidding process at any point of time without assigning any reason.
18. If any dispute or differences arises at any time between the two parties in respect of or concerning anything contained or arising out of contract shall be referred to sole arbitrator (i.e. Director Extension Education). The decision of the arbitrator shall be final and binding on both the parties.
19. Canvassing in any form will lead to disqualification of the bid.
20. For all legal matters and disputes, Anand court shall be the Jurisdiction.

Seen and accepted

Signature of party with office stamp

Eligibility Criteria

Offers only from manufacturer/ their Authorized Distributor (Dealer)/Nominee (representative) will be considered

Note: Authorized Agency has to submit authorization certification from original Equipment Manufacturer (or Nomination Letter from OEM that on behalf of OEM, his particular distributor only will quote against this tender).

General Terms and conditions for Bid

1. Supply of Solar Water Heaters shall be made to our FARMERS'HOME-ANIKET HOSTEL.
2. Offers should be strictly according to our specifications and scope of work, failing which it may not be considered. Item to be supplied has to be strictly as per Annexure for Technical Specifications of Solar Water Heaters.
3. The officers of our Directorate of Extension Education/Executive Engineer shall be allowed to inspect the works and/ or any document referred to in the tender. If it is found that the declaration made by the bidder in Bid are false/ misleading/ faulty, the bidder shall be disqualified and the earnest money deposit submitted shall be forfeited.
4. Comprehensive Warranty/ guarantee (including repairs and replacement) for all items/ goods supplied shall be as detailed and mentioned in technical specifications and scope of work.

This comprehensive warranty/ guarantee shall remain valid till warranty period mentioned in technical specification after the Goods have been delivered at site, installed and the system successfully tested, commissioned and accepted by the Purchaser.

Any complaint during this warrantee/guarantee shall be attended to within 24 hours by the bidder at no cost. Upon receipt of such notice or complain, the Supplier shall, with all reasonable speed, repair or replace the defective Goods parts thereof, without costs to the purchaser. If the supplier, having been notified, fails to remedy the defect (s) within a reasonable period, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

The bidder warrants that the goods and equipment, supplied, installed and commissioned under the contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the contract.

The supplier further warrants that the goods supplied under this contract shall have no defect arising from design, materials or workmanship (except in so far as the design or material is required by the purchaser's Specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions obtaining in the country of the final destination.

The supplier also guarantees that the goods supplied shall perform satisfactorily as per the designed/rated/installed capacity as provided for in the contract.

The supplier shall guarantee the complete installation for satisfactory performance for a minimum period mentioned in technical specifications from the date of commissioning. Any defect arising out of faulty installation or use of substandard material or workmanship shall be rectified by the supplier at his own cost.

Please Note:

- Initial acceptance of goods is not the final acceptance of quality.
- In case materials are found substandard at our premises on receipt of the same, University reserves the right to reject the material out rightly. Labor charges, if any will also be recovered from the bidder. Anand Agricultural University,

Anand reserves the right to send your material for testing at bidder's cost at any laboratory of our choice and in case the result is found unsatisfactory, it also reserves the right to take any action as deemed fit.

- Supplier's warranty certification should be provided as per warranty/guarantee mentioned herewith along with operational & maintenance manual in local languages i.e. Gujarati & also English languages.
5. Inspection and Tests: The purchaser or its representative shall have the right to inspect and/or test the goods to confirm their conformity to the contract. The inspections and tests may be conducted on the premises of the supplier or its subcontractor(s), at point of delivery and/or at the good's final destination.

Should any inspected or tested Goods fail to conform to the Specifications, the Purchaser may reject them and the Supplier shall either replace the rejected Goods or make all alternations necessary to meet specification requirements free of cost to the purchaser.

The Purchaser's right to inspect, test, and where necessary, reject the Goods after the Goods arrival at the destination shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the purchaser or his representative prior to Goods shipment.

6. Supplier will be responsible to organize pre-visit of the site before initiation of any supply and also will be required to submit detailed report regarding the readiness of site.
7. Storage of Equipment: The Supplier shall be responsible for the proper storage and maintenance of all materials/ equipment under supplier's custody. Supplier shall take all required steps to carry out frequent inspection of equipment/ materials stored as well as erected equipment until the same are taken over by the purchaser.
8. Testing and Commissioning: The supplier shall operate, maintain and give satisfactory trial run of the equipment satisfactorily for a maximum period as mutually agreed by supplier/ purchaser/owner of the equipment at the rated output. All rectification of damages/ defects and routine trouble shooting should be carried out by the supplier.

During this period, supplier shall incorporate/execute necessary minor modifications during the trial period for maximizing operational efficiency. The supplier should also execute minor modifications as may be suggested by the manufacturer/owner. The supplier shall suggest recommended log sheet Performa for recording necessary operating data and pass it on to the Owner in proof of satisfactory rated output and performance of the equipment.

The Supplier shall demonstrate proper working of all mechanical and electrical controls, safety and protective device, in presence of the Owner's engineer and the same should be duly recorded.

After conducting, in case particular equipment is not working properly or not giving rated output the supplier will furnish a detailed report to the Owner stating therein the detailed account of the performance of the equipment with possible reasons for improper or not working of the same.

Further, before the commencement of testing or commissioning, the Owner reserves the right to invite the original manufacturer's representative at the cost of the suppliers for start-up help, assist and guide the supplier during commissioning in any of following cases:

- a. The supplier has no previous experience of commissioning and start-up of the similar equipment
- b. The Owner is of the opinion that supplier is not capable to commission and start-up of certain specific equipment.

However, in either of the cases the manufacturer's representatives would be called with prior information to the supplier and the supplier will have to extend all co-operations to such representatives in good spirit and in the interest of the work.

The necessary quantities of consumables, miscellaneous etc., required for the installation, commissioning, testing and start-up of all the equipment till handing over are to be supplied the supplier and nothing extra would be paid for these.

9. Cleaning of Site: All soils, filth or other matters of an offensive nature taken out of any trench, drain or other places shall not be deposited on the surfaces, but shall at once be carted away by the supplier from the site of work for proper disposal.

The supplier shall not store or place the equipment, materials or erection tools on the drive and passages and shall take care that his work in no way restricts or impedes traffic or passage of men and materials during erection, the supplier shall without any additional payment, at all time keep the working and storage area used by him free from accumulation of dust or combustible materials, waste materials rubbish packing, wooden planks to avoid fire hazards and hindrance to other works.

If the supplier fails to comply with these requirements in spite of written instructions from the owner, the owner will proceed to clear these areas and the expenses incurred by the Owner in this regard shall be payable by the supplier. Before completion of the work, the supplier shall remove or dispose off in a satisfactory manner all scaffolding, temporary structures, waste and debris and leave the premises in a condition satisfactory to the owner. Any packing materials received with the equipment shall remain as the property of the owner at the completion of his work and before final payment; the supplier shall remove and shall restore the site to neat workman like conditions at his cost.

10. Risk purchase: In case of delayed supplies/ erection/ commissioning, purchase/ execution of work may be completed at the risk, cost and responsibility of the supplier after expiry of scheduled date without any notice. Extra amount spent on Risk Purchase/ completion of work shall be adjusted against the earnest money/ pending payments or same shall be recovered from your firm.

We will reserve the right to effect risk purchase/ execution of the work in case of non-fulfillment of any of various terms and conditions of the contract by the supplier at his risk & cost.

11. Import license and foreign exchange variation: No import license shall be provided by the AAU, Anand for goods offered against this bid: Necessary clearances/ licenses from the concerned Authorities for any imported goods/items offered shall be obtained by the bidder at his cost & responsibility.

Non-availability of or delay in obtaining license/clearance shall not, under any circumstances, entitle the bidder to seek any compensation/ relaxation under the contract and/or relieve the bidder from any of his obligations under the contract. Foreign Exchange, Duties etc. variation, if any, shall also be to the account of the bidder and no price escalation will be given.

12. Maintaining ethical standards in business: Since supply of ordered material shall be directly to the FARMERS HOME-ANIKET HOSTEL based on the strength of our supply Order (S. O.), it is highly necessary for the suppliers to ensure that business ethics are maintained at the highest degree with AAU, Anand. In no case we will be able to tolerate any unethical practice by the supplier by way of offering either cash or in kind or compensation in any form rather to get the rejected material accepted or to get higher volume of the business than the approved quantity.

By any chance if it comes to our notice that you or any of your employee/ representative/ Agent has tried to initiate such unfair business practices with any of our employee or any of the employee/ decision maker with/ without any documentary evidences, the same shall be considered as a cancellation of S. O. and we reserve our right to terminate/ suspend the S.O. and the contract during any time without assigning any reason thereof.

13. Insurance: The goods supplied under the contract shall be fully insured against loss or damage incidental to manufacturer or acquisition, transportation, storage and delivery in the manner specified in the special conditions of contract. If any loss or damage occurs during supply of goods under contract, the supplier shall make arrangement for repair and replacement of any damaged, item's in stipulated time.
14. Performance Security: Successful bidder shall be required to furnish a performance security in form of Bank Guarantee of 5% Value of the executed order valid for entire warranty period from the date of commissioning. In case of failure in submission of appropriate bank guarantee, same amount will be retained from supplier's bill. Bank Guarantee should be from any nationalized bank having least one branch at Anand.
15. For delay in supply, installation & Commissioning goods, a late penalty @ 0.5% per week shall be deducted subject to a maximum of 5% of the contract price. On further delays order shall be liable to be cancelled. However our Director of Extension Education can waive off such penalty depending upon the reasons for delay.
16. Delivery of Goods: material shall be delivered at the destination as specified in the supply order on any working days (except Sundays & holidays)
17. Payment Terms will be 100% after satisfactory report from Committee formed by Hon. Vice Chancellor for the purpose. However in case non submission of appropriate Bank Guarantee, equipment amount may be retained from Vendor's bill.

Note: Erection/ commissioning should, however, be completed within 20 days of the receipt of material at site in any case.

18. Validity: validity of this contract would be one year and bidder will be liable to execute all supply orders issued under this contract during the validity period of year.
19. Other Commercial Terms and Conditions:

- a. Invoices will be raised in the name of Director Extension Education, AAU, Anand.
 - b. Supplier will be required to submit two copies of invoices
 - c. All the taxes will be charged in invoice
 - d. No Forms will be issued by the University.
 - e. Payment will be made by the AAU, Anand, after the receipt of satisfactory report from the committee.
 - f. In case of any change in tax rate, the same shall be applicable as per statutory norms
20. Force Majeure: If any force Majeure situation arises, the supplier shall promptly notify the purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the purchaser in writing, supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
 21. Purchaser's Instructions: purchaser may in his absolute discretion, issue from time to time drawings and/ or instructions, directions and clarifications which are collectively referred to as purchaser's instructions. These instructions will be binding on the supplier.
 22. Training of personnel: Necessary staff as may be deputed by owner shall be trained by the supplier for operating the equipment. The personnel will be associated for the training during the installation, commissioning and start-up period and the training tenure can be extended for a period of one week from the date of commissioning and start-up.
 23. Approvals: The supplier shall obtain all the necessary legal approvals.
 24. Jurisdiction: settlement of any dispute out of the supply order/ contract against this bid shall be subject to the courts at Anand city only.
 25. Data on firm: please send data on your firm and information in the enclosed Annexure. The tender bid received without above information or with incorrect information may not be considered.

Annexure-1:

Tender Enquiry Data Sheet:

The following specific data for this Tender enquiry shall complement, supplement or amend the provisions in the invitation in Tender and instructions to Bidders. Whenever there is conflict, provisions therein shall prevail over those in the ITB.

Description of Goods: Supply of Solar Water Heater of various capacities shall be made to our Farmers' Hostel "ANIKET"
Purchaser's Address: Directorate of Extension Education, University Bhavan, 2nd Floor, Anand Agricultural University, Anand
Submission of Quarries on T/E Document: Not later than 09 /02-2016 till 15.00 hours, to the following e-mail dee@aaau.in
Pre- Bid Meeting: No Pre-Bid Meeting will be done against this Tender Bid Validity: Validity of bid shall be no less than 120 days from the date of submission
Required number of copies of the Tender: Two (Original plus one photocopy and clearly mention ORIGINAL& COPY on photocopy).
The address for Tender submission: Directorate of Extension Education, University Bhavan, 2nd Floor, Anand Agricultural University, Anand- 388 110
Due date (Deadline) for Bid submission: 15 /02/2016 at 5.00 PM
Opening of Quotation: 15 /02/2016 at 5.00PM (Physical bid) & 16 -02-2016 (Financial Bid) at 3.00 PM.

Annexure-2: Commercial Bid Format

Note: Payment for hot and cold piping will be paid as per actual length

Sr No	Item	Description	Specificati ons	Quantity & Unit	Basic rate /Unit	Taxes/ unit	Transportati on with insurance charges	Other Expenses if any	Landed Rate/Unit	
									(In Figure)	(In Words)
1	Solar Water Heater (ETC Type)	300 LPD /Day	As per Annexure	6 No.						
		500 LPD /Day								
2	Hot water piping	Per running Foot	As per Annexure	2000 Ft						
	Cold water piping			200 Ft						
3	Monkey Wire Net		As per Annexure	As per requirement						
4	2 HP BSI marked submersible type water pump for lifting water		As per Annexure	1 No.						
5	Water level Controller		As per Annexure	As per requirement						
6	Hot water pipe line handle cock		As per Annexure	40 No						
7	Feed Water tank HDPE		As per Annexure	3 No.						

We agree to Supply, install and demonstrate the performance of the above items of a contract price quoted against each item within the period specified in the invitation for bids. We also confirm that all comprehensive warranty/ guarantee period applicable shall be as per mentioned in Technical Specification for all items. The above mentioned bid includes all the items which may not be mentioned in Tender Document but are essential for normal functioning of Solar Water heater

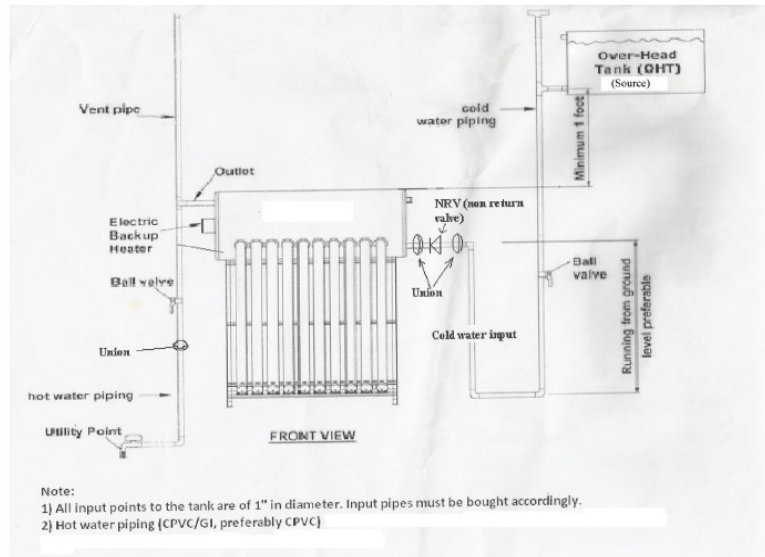
Signature of Bidder:

Name:

Business Address:

Place:

Date:



Drawing:

Annexure-3: EMD Details

1 Earnest Money Deposit Details (Rs. 50,000/-)

Details of Bank Draft:

No:-----

Dated: ----- Drawn On (Name of Bank)-----

EMD Amount Rs. -----

(Rupees in Words)

()

I/We have read the instructions carefully and accordingly submitting the tender as per the terms and conditions as given in the tender notice for supply, installation, Testing and commissioning of Solar Water Heaters at Farmers' Home- ANIKET of Directorate of Extension Education, AAU, Anand.

Date:

Signature of the Bidder/Party

with Office Stamp

Annexure-4: Summary of Orders Executed

Name of the Supplier: -----

Supply of Solar Water Heaters during April-2012 to March 2015

Name of Organization	Capacity	Month	Quantity/ No. Supplied	Total Value (in Rs. Lakh)

Note: Purchase order copies should be enclosed in support of the above.

Date:

Seal of company & Signature of Authority

Annexure-5: Technical Specifications* and Scope of Work

No.	Particulars	Requirement Details
1	Structure	M.S. with properly painted
2	Capacity	300 Litres per Day/500/ Litres per Day
3	Hot water Temperature	60 to 75 C with overnight temperature drop less than 4 C
4	Evacuated tubes Properties (a) Sediment method (b) Specific absorption (c) Emission Ratio (d) Vacuum tightness	Double walled hard concentrate borosilicate glass tube with 1.6 mm thickness having 1.0 MPa resistant. Special three layer selective coating consist of stainless steel, copper and aluminium. Absortivity > 92% and Emittance < 7%, Direct-current reaction splash –jetting As 0.88-0.93 < h < 0.08 $P < 5 \times 10^{-3}$ (pa)
5	Storage Hot Water Tank	Tank shall be periphery. Inner water tank made of GI 2.5mm food grade stainless steel with welded by argan arc and outer cover made of GI pre-coated with powder. The insulated materials made of Polly urethane materials in order to protect deception of heat. In between two tanks insulated with PUF insulation. Stainless steel SS304, 2B grade having automated Argon welding for leak proof joints, Thickness: 1.2mm.
6	Tank Insulation	High density 50 mm thick CFC free PUF insulation of 35-42 Kg/m with outer cladding
7	MOC of Supporting Structure	1.5 mm G.I. with powder coating for Long life and easy assembly
8	No of Tubes	Mini 30 nos. for 300 LPD./ Mini 50 nos. for 500 LPD.
9	Anode Protection	Magnesium / Aluminium alloy
10	Tube Dimensions	length -1800 mm, OD- 58
11	Tube Coating	AI-N/AI
	Absorber plate	Copper profile
	Heating coefficient	92.00%
	Starting	<25 degree Celsius
	Ideal sunning	> 250 M 2d/KW
	Immersed sunning	< 2.8 MJ / CU M
	Average heat loss	$U_a < 0.8 \text{ W (sq. m degree C)}$
	Wind resistance	30 m/s

12	Thermal Expansion	3.3×10^{-5}
13	Vacuum	$P < 5 \times 10^{-3} \text{ Pa}$
14	Heat Loss	$< 0.7 \text{ W/m}^2\text{C}$
15	Stagnation Temperature	155 C
16	Flow Rate	0.10 LPM/Tube/ 15LPM
17	System Height from Roof Top	1.3 m for 30° stand/ 1.6 m for 42° stand
18	Electric Heater	3.0 kw with thermostat to ensure hot water need during non sunny
19	Warranty	Min 7 years (The warranty will not cover normal wear and tear of consumable as like glass tubes.
20	Expected Life Time	25 years
21	Feed Water tank HDPE	Provision of supply & Installation of 700 liter make up Feed Water tank HDPE black coated (Syntex/Patton) make on suitable size of MS structure (properly painted) including necessary fittings for fill up from existing cold water tank. (Note: As per site condition)
22	Cold Water Piping	Supply and installation of 25 mm PVC Pipe of Standard Make without insulation with required ISI mark elbow as per requirement. 1 inch U PVC Cold water pipe line including fitting, fixing and complete plumbing work etc. 3 No.
23	Hot Water Piping.	Supply and installation of 25 mm GI B class make TATA/JINDAL with required ISI mark elbow duly insulated with 50 mm Rockwool and clad with 24 SWG aluminium sheet as per requirement. ¾ inch C PVC Insulated pipeline for Hot water supply including fitting, fixing, plumbing etc.
24	2 HP water submersible Pump	Supply and installation of 2 HP BSI marked submersible water pump with wiring and instrumentation – 1 No.
25	Water level Controller	Installation and Wiring as per requirements of no of water tanks. As required.
26	Hot Water pipe line connection	Hot water pipe line should run to each individual room(Total 35 points), one kitchen(1point) and 4 dormitories (4 points) with on/off durable handle cock. As required.

***If some specifications are not spelled out in this Table then the Technical specifications and terms and conditions for ETC SWH should apply as given by Committee for Technology Assessment and Analyzing the installation of solar Water Heater System in Government house/Buildings as per MNRE.**

Annexure: 6 Deviation Form

Name of Supplier:

Technical Deviations List:

-
-
-
-
-
-
-

Commercial Deviations List:

-
-
-
-
-
-
-

Note: In case of any other deviation not mentioned on this page, may lead to disqualifying of Bid

Date:

Seal of company & Signature of Authority

Annexure- 7: Format for Performance Bank Guarantee

(To be stamped according to Stamp Act and to be in the name of the executing Bank)

**Directorate of Extension Education,
University Bhavan, 2nd Floor,
Anand Agricultural University,
Anand- 388 110**

In accordance with your Supply Order No.- Dtd., awarded to M/S; for the supply and installation of,

which has been duly accepted by M/S; having its registered office at; has requested for Performance Guarantee, as an irrevocable Bank Guarantee (Performance Guarantee) for the amount of Rs...../- (Rupees Only) is required to be submitted by the Tenderer as a condition precedent for participation in the said supply which amount is liable to be forfeited on the happening of any contingencies mentioned in the tender document.

We, the bank, a body corporate constituted under the banking Companies (acquisition of undertakings) Act,1970 and is having its head office at _____, and a branch amongst other places of business at _____ (hereinafter referred to as “the Bank”);

Guarantee and undertake to pay immediately on demand without any recourse to the Anand Agricultural University, Anand (hereinafter referred to as AAU, Anand), the amount of Rs. _____ /- (Rupees _____ only) without any reservation, protest, demur and recourse. Any such demand made by AAU, Anand shall be conclusive and binding on us irrespective of any dispute or difference raised by the Tenderer.

The guarantee shall be irrevocable and shall remain valid up to _____ (being _____ months from the supply and installation of _____). If any further extension of this guarantee is required, the same shall be extended to such required period on receiving instructions from M/S _____, on whose behalf this guarantee is issued.

Notwithstanding whatever stated herein above

1. Our liability under this Bank guarantee shall not exceed Rs. _____/- (Rupees _____ only).
2. The bank guarantee shall be valid up to _____2016 and shall have a lodgment period up to _____2016.
3. The Bank is liable to pay the guarantee amount or any part thereof under this Bank Guarantee only if you serve upon us a written claim or demand on or before _____2016.

Any Claim under this guarantee must be received by us before the expiry of this Bank Guarantee. If no such claim has been received by us on or before the said date, the rights of AAU, Anand under this Guarantee will cease. However, if such a claim has been received by us within the said date, all the rights of AAU, Anand under this Guarantee shall be valid and shall not cease until we have satisfied that claim.

In witness whereof the Bank, through its authorized office, has set its hand and stamp on this ____ th day of _____ at _____ .

For and on behalf of _____ bank.

Signature _____

Name & Designation _____

Authorization No _____

Date And Place _____

Bank Seal _____

The above guarantee is accepted by the Authority.

Annexure- 8: Vendor Registration Form

Note: This form is to be only filled by bidders, who have not provided the same earlier Please mark all such columns as NOT APPLICABLE where you cannot provide information

ADDRESS	
Name of the Vendor *Mandatory (This shall be the registered name of the firm. With the same name payments to party will be released) (CAPITAL LETTERS)	
Address of Head Office *Mandatory	
Street-1	
Street-2	
City	
District Name	
State	
Pin Code	
Telephone (1) LL : (2) Mob : STD Code:	
Fax	
Email-id	
Company Web Site (if any)	
Name and Designation of Contact Person(s)	

Note :- If HO Office /Branch Office / Factory having in different state please give Bank details / Tax Details in separate sheet

ADDRESS of Branch (if any)	
Street-1	
Street-2	
City	
District Name	
State	
Pin Code	
Telephone (1) LL : (2) Mob : STD Code:	
Fax	
Email-id	
Name & Designation of contact person(s)	
Address of factory/Factories/Subsidiaries/sister concerns(if any)	
Street	
City	
State	
Pin code	
Telephone	
Fax	
Email-id	
Name & Designation of contact person(s)	

Please use separate sheet if required

ORGANISATION DETAILS	
Status of organization	
Tick () appropriate option	Proprietary/ Partnership/ Company/LLP

Name of Business									
Nature of Enterprise investment in Plant & Machinery: * Mandatory if applicable and pl. mention the MSMED Registration No. Date and Category micro, small Medium IF NOT, PLEASE MENTION N/A									
If you are under MICRO, SMALL & MEDIUM ENTERPRISES DEVELOPMENT (MSMED ACT 2006) MSMED Registration Certificate is required									
Year of Establishment									
Registration Number (as per certificate from ROC/Registrar of Firms)									
Name & Address of the Owner/Partner/Directors	<table border="1"> <thead> <tr> <th>Sr No</th> <th>Name</th> <th>Designation</th> <th>Address</th> </tr> </thead> <tbody> <tr> <td colspan="4">(attach separate sheet if required)</td> </tr> </tbody> </table>	Sr No	Name	Designation	Address	(attach separate sheet if required)			
Sr No	Name	Designation	Address						
(attach separate sheet if required)									
BANK DETAILS * Mandatory									
Bank Account No									
Name of the Bank									
Bank Address									
Bank City									
Bank Branch									
IFSC RTGS/NEFT No.									
Branch Code									
EXCISE DETAILS									
Excise Registration No									
Excise Range									
Excise Division									
Excise Commissionerate									
CST No									
VAT(TIN)									
PAN (Service Tax Registration No.)									
Service category									
Service T ax Commissionerate									
Service T ax Commissionerate Range									
Work Contact Tax Registration No									
SERVICE DETAILS OF ORGANIZATION									
Describe firm's major fiueled (s) of operation /product range									
Installed capacity									
Average Monthly Production									
Sources of Major Raw Materials									
Value of average raw materials inventory maintained									
Is sub vendor approval carried out by you for your vendors ?									

Make/Type/Value of machines used Please attach details	
Manufacturing facilities available at work place(please attach details)	
Do you have separate Inspection Cell ? Inspection & Testing facilities available at work (please attach details)	
Quality Control is responsible to whom?	

DECLARATION

The above information is true in all respects and we undertake to inform you about any change in the above particulars regarding our business from time to time. We also undertake the responsibility that in no case we will employ any consultant to deal with AAU, Anand.

Mandatory fields are marked with an asterisk (*)

Note: The vendor creation will be made based on the information furnished by you in the above form for vendor registration. If, at any time in future, it comes to the knowledge of the management that any of this information is incorrect or any relevant information has been withheld then you are liable to be black listed without any notice in lieu thereof.

As a part of vendor registration, the copy of following supporting documents must be required and all details (whatever applicable) to be filled in the vendor registration form.

- | | |
|---|--|
| 1) PAN Card
Registration | 5) CST & VAT |
| 2) Demand draft of Rs. 100/- against Tender Fees Non Refundable | 6) Cancelled cheque |
| 3) Excise Registration Certificate
Certificate | 7) Service Tax Registration |
| 4) Partnership Deed/Trade License
Letter Head | 8) List of Directors/partners on Company's |
| 9) Registration Certificate from ROC (in case of Companies) | |

Date: _____

Place: _____

Name & Signature of

Proprietor/Partner/

Chief Executive under proper Seal

For Office Use only

Concerned Dept., Head

O.S. D. (Comm.)

Vender Registration No. _____

Date: _____