
 <b>Kerala Tenders</b>		<b>eTendering System Government of Kerala</b>																					
Tender Details																							
			Date : 20-Oct-2023 02:59 PM																				
 Print																							
Basic Details																							
Organisation Chain	ANERT																						
Tender Reference Number	ANERT-TSR/10/2021-DE(TSR)																						
Tender ID	2022_ANERT_476280_7	Withdrawal Allowed	Yes																				
Tender Type	Open Tender	Form of contract	Supply and Service																				
Tender Category	Works	No. of Covers	2																				
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No																				
Payment Mode	Online	Is Multi Currency Allowed For BOQ	No																				
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No																				
Payment Instruments		Cover Details, No. Of Covers - 2																					
Online Bankers	<table border="1"> <thead> <tr> <th>S.No</th> <th>Bank Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SBI MOPS</td> </tr> </tbody> </table>	S.No	Bank Name	1	SBI MOPS	<table border="1"> <thead> <tr> <th>Cover No</th> <th>Cover</th> <th>Document Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Fee/PreQual/Technical</td> <td>.pdf</td> <td>Technical Bid</td> </tr> <tr> <td></td> <td></td> <td>.pdf</td> <td>All other documents</td> </tr> <tr> <td>2</td> <td>Finance</td> <td>.xls</td> <td>Financial Bid</td> </tr> </tbody> </table>	Cover No	Cover	Document Type	Description	1	Fee/PreQual/Technical	.pdf	Technical Bid			.pdf	All other documents	2	Finance	.xls	Financial Bid	
S.No	Bank Name																						
1	SBI MOPS																						
Cover No	Cover	Document Type	Description																				
1	Fee/PreQual/Technical	.pdf	Technical Bid																				
		.pdf	All other documents																				
2	Finance	.xls	Financial Bid																				
Tender Fee Details, [Total Fee in ₹ * - 2,950]		EMD Fee Details																					
Tender Fee in ₹	2,950	EMD Amount in ₹	15,000																				
Fee Payable To	Nil	EMD through BG/ST or EMD Exemption Allowed	Yes																				
Tender Fee Exemption Allowed	Yes	EMD Fee Type	fixed																				
		EMD Payable To	Nil																				
		EMD Payable At	Nil																				
		EMD Percentage	NA																				
Work /Item(s)																							
Title	Retender for the Supply, Installation and Commissioning of Two Nos. Of 2400 LPD ETC (4x600 LPD) based Solar Water Heating Systems in the KILA Campus Mulamkunnathukavu, Thrissur																						
Work Description	Retender for the Supply, Installation and Commissioning of Two Nos. Of 2400 LPD ETC (4x600 LPD) based Solar Water Heating Systems																						
Pre Qualification Details	Please refer Tender documents.																						
Independent External Monitor/Remarks	NA																						
Tender Value in ₹	NA	Product Category	Solar Water Heaters																				
		Sub category	NA																				
Contract Type	Tender	Bid Validity(Days)	45																				
		Period Of Work(Days)	30																				
Location	KILA Campus Mulamkunnathukavu, Thrissur	Pincode	680581																				
		Pre Bid Meeting Place	NA																				
Pre Bid Meeting	NA	Pre Bid Meeting Date	NA																				
		Bid Opening Place	Online																				

<b>Address</b>				
<b>Should Allow NDA Tender</b>	No	<b>Allow Preferential Bidder</b>	No	

<b>Critical Dates</b>			
<b>Publish Date</b>	18-Oct-2023 05:00 PM	<b>Bid Opening Date</b>	28-Oct-2023 04:00 PM
<b>Document Download / Sale Start Date</b>	18-Oct-2023 05:00 PM	<b>Document Download / Sale End Date</b>	28-Oct-2023 03:00 PM
<b>Clarification Start Date</b>	NA	<b>Clarification End Date</b>	NA
<b>Bid Submission Start Date</b>	18-Oct-2023 05:00 PM	<b>Bid Submission End Date</b>	28-Oct-2023 03:00 PM

<b>Tender Documents</b>				
<b>NIT Document</b>	<b>S.No</b>	<b>Document Name</b>	<b>Description</b>	<b>Document Size (in KB)</b>
	1	Tendernotice_1.pdf	NIT and Abstract	407.20
<b>Work Item Documents</b>	<b>S.No</b>	<b>Document Type</b>	<b>Document Name</b>	<b>Description</b>
	1	Tender Documents	KILASWH.pdf	Tender Document
	2	BOQ	BOQ_919546.xls	Financial Bid

<b>Tender Inviting Authority</b>	
<b>Name</b>	CEO ANERT
<b>Address</b>	Office of CEO, ANERT Law College Road, Vikas Bhavan. PO, Thiruvananthapuram - 695 033



**AGENCY FOR NEW & RENEWABLE ENERGY  
RESEARCH AND TECHNOLOGY (ANERT)**

Department of Power, Government of Kerala  
Thiruvananthapuram, Kerala – 695 033;  
[www.anert.gov.in](http://www.anert.gov.in) , [projects@anert.in](mailto:projects@anert.in)

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## **E-TENDER DOCUMENT**

***Retender for the Supply, Installation and  
Commissioning of Two Nos. Of 2400 LPD ETC  
(4\*600 LPD) based Solar Water Heating Systems in  
the KILA Campus Mulamkunnathukavu, Thrissur***

**Ref. No.: ANERT-TSR/10/2021-DE(TSR)**

### **PART - 1**

**Date of Publishing of Bids** :- **18/10/2023**

**Last Date of Submission of Bids** :- **28/10/2023**

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## E-TENDER NOTICE

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Competitive e-tenders in one cover system with Earnest Money Deposit (EMD) and Price Bid in accordance with the ANERT approved technical specifications are invited from **ANERT Empanelled Agencies** for the ***Retender for the Supply, Installation and Commissioning of Two Nos. Of 2400 LPD ETC (4\*600 LPD) based Solar Water Heating Systems in the KILA Campus Mulamkunnathukavu, Thrissur.*** The e-tender documents can be downloaded from the e-tendering website of Govt. of Kerala. Tender form will not be available in any other form.

Thiruvananthapuram

CEO

18/10/2023

## TENDER ABSTRACT

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Ref. No.	<b>ANERT-TSR/10/2021-DE(TSR)</b>
Name of Work	<b>Retender for the Supply, Installation and Commissioning of Two Nos. Of 2400 LPD ETC (4x600 LPD) based Solar Water Heating Systems in the KILA Campus Mulamkunnathukavu, Thrissur</b>
Building Site and Requirements	<b>Clause 13.1</b>
Download of Tender Form	<a href="http://www.etenders.kerala.gov.in">http://www.etenders.kerala.gov.in</a>
Last date of submission of Tender	28/10/2023
Date and Time of opening the Tender	28/10/2023
Estimated Tender Value	<b>Rs.10,90,000/-</b>
Cost of Tender form	<b>Rs. 2,950/- (Including GST)</b>
EMD	<b>Rs. 15,000/-</b>
Warranty period	5 years from the date of Commissioning the system.
Availability of Tender Forms	Website <a href="http://www.etenders.kerala.gov.in">http://www.etenders.kerala.gov.in</a>
Place of opening of tender	Office of CEO, ANERT Law College Road, Vikas Bhavan. PO, Thiruvananthapuram – 695 033, Kerala

Thiruvananthapuram  
18/10/2023

Sd/-  
CEO

## GENERAL TERMS AND CONDITIONS FOR E-PROCUREMENT

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This e-Tender is being published for the Retender for the Supply, Installation and Commissioning of Two Nos. Of 2400 LPD ETC (4\*600 LPD) based Solar Water Heating Systems in the KILA Campus Mulamkunnathukavu, Thrissur. The tender is invited in one cover system from the ANERT Empanelled Agencies (listed for off Grid) through e-procurement portal of Government of Kerala ([www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)). Prospective bidders willing to participate in this tender shall necessarily register themselves with above mentioned e-procurement portal.

The tender timeline is available in the critical date section of this tender published in [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)

### 1. ONLINE BIDDER REGISTRATION PROCESS:

- 1.1 Bidders should have a Class III or above Digital Signature Certificate (DSC) to be procured from any Registration Authorities (RA) under the Certifying Agency of India. Details of RAs will be available on [www.cca.gov.in](http://www.cca.gov.in). Once, the DSC is obtained, bidders have to register on [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) website for participating in this tender. Website registration is a one-time process without any registration fees. However, bidders have to procure DSC at their own cost.
- 1.2 Bidders may contact e-Procurement support desk of Kerala State IT Mission over telephone at 0471- 2577088, 2577188, 2577388 or 0484 – 2336006, 2332262 - through email: [helpetender@gmail.com](mailto:helpetender@gmail.com) /[etendershelp@kerala.gov.in](mailto:etendershelp@kerala.gov.in) for assistance in this regard

### 2. ONLINE TENDER PROCESS:

The tender process shall consist of the following stages:

- i. Downloading of tender document: Tender document will be available for free download on [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in). However, tender document fees shall be payable at the time of bid submission as stipulated in this tender document.
- ii. Pre-bid meeting: (not applicable)



- iii. Publishing of Corrigendum: All corrigenda shall be published on [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) and shall not be available elsewhere.
- iv. Bid submission: Bidders have to submit their bids along with supporting documents to support their eligibility, as required in this tender document on [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in). No manual submission of bid is allowed and manual bids shall not be accepted under any circumstances.
- v. In case bidder encounters any technical issues pertaining to e-Procurement system while acting on the tender, computer screen shot of the error message with date & time stamp on the web-browser along with the query shall be e-mailed by the bidder to the help desk (**helpetender@gmail.com/etendershelp@kerala.gov.in**), for resolution of the problem. At the same time, problem must be intimated to the concerned Tender Inviting Authority via email.
- vi. The time taken to ascertain, evaluate and suggest a solution for the problem reported by bidder may vary from case to case. Hence bidders are advised to submit the bid **at least 2 working days before the due date** and time of bid submission to avoid any last-minute issues that may come up.
- vii. Opening of Bid and Bidder short-listing: The single cover bids will be opened, evaluated and shortlisted as per the eligibility. Failure to submit the required documents online will attract disqualification. Price bids of the eligible bidder's will open the same day of opening and the work will be awarded.

### **3. DOCUMENTS COMPRISING BID:**

- 3.1 The one cover bid shall contain the scanned copies of the following documents which every bidder has to upload:
  - i. The tender document duly signed downloaded from the website.
  - ii. Summary of Bid documents (Annexure 1A)
  - iii. Pre-Agreement in the prescribed format (Annexure 1B) on Govt. of Kerala stamp paper worth Rs.200/-
  - iv. The copy of ANERT empanelled list attested by the bidder

- v. Declaration by the Bidder (format as in Annexure 1C)
- vi. Declaration of relationship with ANERT employee (format as in Annexure 1D)
- vii. Summary of bidders Technical Information (Annexure 2A)
- viii. The Price Schedule as per BOQ in Excel format for this tender to be downloaded from e-tender website, duly digitally signed by the tenderer/authorized signatory of the tender.
- ix. Bill of Material

3.2 The department doesn't take any responsibility for any technical snag or failure that has taken place during document upload.

3.3 The Bidder shall complete the Price bid as per format given for download along with this tender.

Note: The blank price bid should be downloaded and saved on bidder's computer without changing file-name otherwise price bid will not get uploaded. The bidder should fill in the details in the same file and upload the same back to the website.

3.4 Fixed price: Prices quoted by the Bidder shall be fixed during the bidder's performance of the contract and not subject to variation on any account. A bid submitted with an adjustable/ variable price quotation will be treated as non - responsive and rejected.

#### **4. TENDER DOCUMENT FEES AND EARNEST MONEY DEPOSIT (EMD)**

4.1 The Bidder shall pay, a tender document fee of Rs. 2,950/- and Earnest Money Deposit or Bid Security of Rs. 15,000/-. The Bid security is required to protect the purchaser against risk of Bidder's conduct, which would warrant the forfeiture of security.

4.2 Online Payment modes: The tender document fees and EMD can be paid in through e-Payment facility provided by the e-Procurement system. Bidders can make payment only via Internet banking facility

**State Bank of India Multi Option Payment System (SBI MOPS Gateway)**: Bidders are required to avail Internet Banking Facility in any of below banks for making tender remittances in eProcurement System.

<b>A) Internet Banking Options (Retail)</b>			
1	Allahabad Bank	32	Kotak Mahindra Bank
2	Axis Bank	33	Lakshmi Vilas Bank
3	Andhra Bank	34	Mehsana Urban Co-op Bank
4	Bandan Bank	35	NKGSB Co-operative Bank
5	Bank of Bahrain and Kuwait	36	Oriental Bank of Commerce
6	Bank of Baroda	37	Punjab and Maharashtra Cooperative Bank
7	Bank of India	38	Punjab National Bank
8	Bank of Maharashtra	39	Punjab and Sind Bank
9	Bassein Catholic Co-operative Bank	40	RBL Bank
10	BNP Paribas	41	Saraswat Cooperative Bank
11	Canara Bank	42	ShamraoVithal Cooperative Bank
12	Catholic Syrian Bank	43	South Indian Bank
13	Central Bank of India	44	Standard Chartered Bank
14	City Union Bank	45	State Bank of India
15	Corporation Bank	46	Syndicate Bank
16	Cosmos Bank	47	Tamilnad Mercantile Bank
17	DCB Bank	48	Tamilnadu Cooperative Bank
18	Dena Bank	49	The Kalyan Janata Sahakari Bank
19	Deutsche Bank	50	TJSB Bank
20	Dhanalaxmi Bank	51	UCO Bank
21	Federal Bank	52	Union Bank of India
22	HDFC Bank	53	United Bank of India
23	ICICI Bank	54	Vijaya Bank
24	IDBI Bank	55	YES Bank
25	Indian Bank		
26	Indian Overseas Bank		

27	IndusInd Bank		
28	Jammu & Kashmir Bank		
29	Janata Sahakari Bank		
30	Karnataka Bank		
31	KarurVysya Bank		
<b>B) Internet Banking Options (Corporate)</b>			
1	Bank of Baroda	21	Laxmi Vilas Bank
2	Bank of India	22	Oriental Bank of Commerce
3	Bank of Maharashtra	23	Punjab & Maharashtra Coop Bank
4	BNP Paribas	24	Punjab & Sind Bank
5	Canara Bank	25	Punjab National Bank
6	Catholic Syrian Bank	26	RBL Bank
7	City Union Bank	27	ShamraoVithal Co-operative Bank
8	Corporation Bank	28	South Indian Bank
9	Cosmos Bank	29	State Bank of India
10	Deutsche Bank	30	Syndicate Bank
11	Development Credit Bank	31	UCO Bank
12	Dhanalaxmi Bank	32	Union Bank of India
13	Federal Bank	33	UPPCL
14	HDFC Bank	34	Vijaya Bank
15	ICICI Bank	35	Axis Bank
16	Indian Overseas Bank		
17	JantaSahakari Bank		
18	Jammu & Kashmir Bank		
19	KarurVysya Bank		
20	Kotak Bank		

During the online bid submission process, bidder shall select **SBI MOPS** option and submit the page, to view the **Terms and Conditions** page. On further submitting the same, the e-Procurement system will re-direct the bidder to MOPS Gateway, where two

options namely **SBI** and **Other Banks\*** will be shown. Here, Bidder may proceed as per below:

- a) SBI Account Holders shall click **SBI** option to with its Net Banking Facility, where bidder can enter their internet banking credentials and transfer the Tender Fee and EMD amount.
- b) Other Bank Account Holders may click **Other Banks** option to view the bank selection page. Here, bidders can select from any of the 54 Banks to proceed with its Net Banking Facility, for remitting tender payments.

*\*Transaction Charges for Other Banks vide SBI Letter No. LHO/TVM/AC/2016-17/47 – 1% of transaction value subject to a minimum of Rs. 50/- and maximum of Rs. 150/-*

*\* Bidders who are using Other Banks option under SBI MOPS Payment Gateway, are advised by SBI to make online payment 72 hours in advance before tender closing time.*

## **5. SUBMISSION PROCESS:**

- 5.1 For submission of bids, all interested bidders have to register online as explained above in this document. After registration, bidders shall submit their Technical bid and Financial bid online on [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) along with online payment of tender document fees and EMD.
- 5.2 For page-by-page instructions on bid submission process, please visit [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in) and click “Bidders Manual Kit” link on the home page.
- 5.3 It is necessary to click on “Freeze bid” link/ icon to complete the process of bid submission otherwise the bid will not get submitted online and the same shall not be available for viewing/ opening during bid opening process.

## **6. VALIDITY**

- 6.1 The tender offer shall be kept valid for acceptance for a period of 6 months from the date of opening of offers. The offers with lower validity period are liable for rejection.
- 6.2 Further, the tenderer may extend the validity of the Bids without altering the substance and prices of their Bid for further periods, if so required

## **7. DEVIATIONS**

- 7.1 The offers of the Tenderers with Deviations in Commercial terms and Technical Terms of the Tender Document are liable for rejection.

## **8. BLACK LIST**

- 8.1 All the intending tenderers shall agree that in the event of the documents furnished with the offer being found to be bogus or the documents contain false particulars, they shall be blacklisted for future tenders/ association with ANERT and EMD shall be forfeited against any losses incurred by ANERT

## **9. BIDDER'S LOCATION**

- 9.1 The tenderers are requested to furnish the exact location of their factories/godown with detailed postal address and pin code, telephone and fax nos. etc. In their tenders to arrange inspection by ANERT, if considered necessary
- 9.2 All communication shall be made to the registered email of the bidder in the e-tendering systems and ANERT shall not be responsible for non-receipt or delay of any such communication.

## **BID QUALIFICATION REQUIREMENTS**

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### **10. BID QUALIFICATION REQUIREMENTS**

- 10.1 Every tenderer should submit along with his e-tender an Earnest Money Deposit (EMD). This may be done electronically from any of the Nationalized/Schedule Banks. The EMD of the disqualified tenderers will be returned automatically through e-procurement system. The EMD of the successful tenderers may be adjusted towards the security deposit. No interest shall be paid for the earnest money deposited.
- 10.2 An agreement in Rs.200/- Kerala stamp paper as per the format given in Annexure B must be submitted along with e-tender document.
- 10.3 Price Bid in excel format, for this tender to be downloaded from e-tender website, duly digitally signed by the tenderer/authorized signatory of the tender.
- 10.4 The bidder should have successfully completed installation of 30000 LPD water heaters.

## CONDITIONS OF CONTRACT

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### 11. GENERAL CONDITIONS

- 11.1 The tenders should be submitted online at [www.etenders.kerala.gov.in](http://www.etenders.kerala.gov.in)
- 11.2 The tenders should be as per the prescribed form which should be downloaded from the e-tender website. The cost of tender forms should be paid online, and once paid will not be refunded. Tender forms are not transferable. Tenders that are not in the prescribed form are liable to be rejected.
- 11.3 Intending tenderers should submit their tenders on or before the due date and time mentioned in the tender abstract. Late tender will not be accepted.
- 11.4 The rates quoted should be only in Indian currency. Tenders in any other currency are liable to rejection. The rates quoted should be for the unit specified in the schedule attached.
- 11.5 The tenderer shall submit a copy of PAN card of the authorised signatory along with tender.
- 11.6 Tenders subject to conditions will not be considered. They are liable to be rejected on that sole ground.
- 11.7 The tenders will be opened on the specified day and time in the office of the CEO, ANERT in the presence of such of those tenderer's representatives who may be present with proper authorisation issued by the tenderer.
- 11.8 Every tenderer should send along with his tender an Earnest Money Deposit. This may be paid online at the e-tenders website.
- 11.9 If any tenderer withdraws from his e-tender before the expiry of the period fixed for keeping the rates firm for acceptance, the earnest money if any, deposited by him, will be forfeited.
- 11.10 The final acceptance/rejection of the tenders rests entirely with CEO, ANERT who do not bind themselves to accept the lowest or any tender.
- 11.11 In the case of materials of technical nature, the successful tenderer should be prepared to guarantee satisfactory performance for a period of guarantee under a definite penalty. Communication of acceptance of the e-tender normally constitutes a concluded contract. Nevertheless, the successful tenderer shall also



execute an agreement for the due fulfilment of the contract within the period to be specified in the letter of acceptance. The contractor shall have to pay all stamp duty, Lawyer's charges and other expenses incidental to the execution of the agreement. Failure to execute the agreement within the period specified will entail the penalties set out below:

- (a) A non-refundable licensing fee of 2.5% has to be remitted by tenderer. This will be deducted from the payment of tenderer while releasing payment. The successful tenderer shall before sign the agreement and within the period specified in the letter of acceptance of his tender, deposit a sum equivalent to 5% of the value of the contract as security for the satisfactory fulfilment of the contract less the amount of money deposited by him along with his tender. There will be no exemption for MSE's in depositing this security amount. If the successful tenderer fails to deposit the security and execute the agreement as stated above, the earnest money deposited by him will be forfeited to ANERT and contract arranged elsewhere at the defaulter's risk and any loss incurred by ANERT on account of the purchase will be recovered from the defaulter who will however not be entitled to any gain accruing thereby.
- (b) In cases where a successful tenderer, after having made partial supplies fails to fulfil the contracts in full, all or any of the materials not supplied may at the discretion of the Purchasing Officer be purchased by means of another tender/quotation or by negotiation or from the next higher tenderer who had offered to supply already, and the loss if any caused to ANERT shall thereby together with such sums as may be fixed by ANERT towards damages be recovered from the defaulting tenderer.
- (c) If the contractor fails to deliver all or any of the stores or perform the service within the time/period(s) specified in the contract, the purchaser shall without prejudice to its other remedies under the contract, deduct from the contract prices, as liquidated damages, a sum equivalent to 0.5 % of the delivered price of the delayed stores or unperformed services for each week of delay until actual delivery or performance, up to a maximum deduction of 10% of the contract price of the delayed stores and services.

Once the maximum is reached, the purchaser may consider termination of the contract at the risk and cost of the contractor.

11.12 The Security deposit shall, subject to the conditions specified herein be returned to the contractor within three months after the expiration of the contract but in the event of any dispute arising between ANERT and the contractor, ANERT shall be entitled to deduct out of the deposits or the balance thereof, until such dispute is determined the amount of such damages, costs, charges and expenses as may be claimed. The same may also be deducted from any other sum which may be due at any time from ANERT to the contractor. In all cases where there are guarantee for the goods supplied, the security deposit will be released only after the expiry of the guarantee period.

(a) All payments to the contractors will be made by CEO ANERT in due course by NEFT transfer only

(b) All incidental expenses incurred by ANERT for making payments outside the State in which the claim arises shall be borne by the contractor.

11.13 Payments will be made only after the supply, Installation and Commissioning of the items and certification by the competent Technical personnel of ANERT.

11.14 The contractor shall not assign or make over the contract on the benefits or burdens thereof to any other person or body corporate. The contractor shall not underlet or sublet to any person or persons or body corporate the execution of the contract or any part thereof without the consent in writing of the purchasing officer who shall have absolute power to refuse such consent or to rescind such consent (if given) at any time if he is not satisfied with the manner in which the contract is being executed and no allowance or compensation shall be made to the contractor or the subcontractor upon such rescission. Provided always that if such consent be given at any time, the contractor shall not be relieved from any obligation, duty or responsibility under this contract.

11.15 In case the contractor becomes insolvent or goes into liquidation, or makes or proposes to make any assignment for the benefit of his creditors or proposes any composition with his creditors for the settlement of his debts, carries on his business or the contract under inspection or behalf of or his creditors or

in case any receiving order(s) for the administration of his estate are made against him or in case the contractor shall commit any act of insolvency or in case in which under any clause or clauses any act of insolvency or in case in which under any clause(s) of this contract the contractor shall have rendered himself liable to damages amounting to the whole of his security deposits, the contract shall, thereupon, after notice given by the Purchasing Officer to the contractor, be determined and ANERT may complete the contract in such time and manner and by such persons as ANERT shall think fit. But such determination of the contract shall be without any prejudice to any right or remedy of ANERT against the contractor or his sureties in respect of any breach of contract committed by the contractor. All expenses and damages caused to ANERT by any breach of contract by the contractor shall be paid by the contractor to ANERT and may be recovered from him under the provisions of the Revenue Recovery Act in force in the State.

11.16 In case the contractor fails to supply and deliver any of the said articles and things within the time provided for delivery of the same, or in case the contractor commits any breach of any of the covenants, stipulations and agreements herein contained, and on his part to be observed and performed, then and in any such case, it shall be lawful for ANERT (if they shall think fit to do so) to arrange for the purchase of the said articles and things from elsewhere or on behalf of ANERT by an order in writing under *the* hand of the CEO put an end to this contract and in case ANERT shall have incurred sustained or been put to any costs, damages or expenses by reason of such purchase or by reason of this contract having been so put an end to or in case any difference in price, compensation, loss, costs, damages, expenses or other moneys shall then or any time during the continuance of this contract be payable by the contractor to ANERT under and by virtue of this contract, it shall be lawful for ANERT from and out of any moneys for the time being payable or owing to the contractor from ANERT under or by virtue of this contract or otherwise to pay and reimburse to ANERT all such costs, damages and expenses they may have sustained, incurred or been put to by reason of the purchase made elsewhere or by reason of this contract having been so put

an end to as aforesaid and also all such difference in price, compensation, loss, costs, damages, expenses and other moneys as shall for the time being payable by the contractor aforesaid.

11.17 Any sum of money due and payable to the contractor (including security deposit returnable to him) under this contract may be appropriated by the CEO or any other person authorised by ANERT and set off against any claim of ANERT for the payment of a sum of money arising out of or under any other contract made by the contractor with ANERT or any other person authorised by ANERT. Any sum of money due and payable to the successful tenderer or contractor from ANERT shall be adjusted against any sum of money due to ANERT from him under any other contracts.

11.18 Every notice hereby required or authorised to be given may be either given to the contractor personally or left at his residence or last known place of abode or business, or may be handed over to his agent personally, or may be addressed to the contractor by post at his usual or last known place of abode or business and if so addressed and posted, shall be deemed to have been served on the contractor on the date on which in the ordinary course of post, a letter so addressed and posted would reach his place of abode or business.

11.19 The tenderer shall undertake the installation and commissioning of the system according to the standards and specification.

11.20 No representation for enhancement of rate once accepted will be considered.

11.21 The prices quoted should be inclusive of GST and all other expenses which are or may become payable by the contractor under existing or future laws or rules of the country of origin/supply or delivery during the course of execution of the contract.

11.22 The tenderer will invariably furnish the required certificates with their bills for payment –

“Certified that the goods which GST has been charged have not been exempted under the GST Rules made there under and the charges on account of sales tax on these goods are correct under the provisions of the relevant Act or the rules made there under certified further that we  
..... (or our Branch or Agent)

..... (Address) are registered as dealers in the State of ..... under Registration No. ....”

- 11.23 Special conditions, if any, of the tenderers attached with the tenders will not be applicable to the contract unless they are expressly accepted in writing by the purchaser.
- 11.24 The tenderer should send along with this tender an agreement executed and signed in Kerala Stamp Paper of value Rs.200/-. A specimen form of agreement is given as Annexure B to this tender. Tenders without the agreement in stamped paper will be rejected outright.
- 11.25 Conditions in the technical document, technical specifications and special conditions of this tender document would override these general conditions, wherever applicable.
- 11.26 ANERT, by notice sent to the Supplier, may terminate the contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for ANERT’s convenience, the extent to which performance of the Supplier under the contract is terminated, and the date upon which such termination becomes effective.
- 11.27 E-tender shall be opened at the time and date announced in the tender notice, and the price bid will be evaluated on the same day.
- 11.28 In case any difference or dispute arises in connection with the contract, all legal proceedings relating to the matter shall be instituted in the Court within whose jurisdiction the CEO, ANERT voluntarily resides.
- 11.29 The Courts situated at the place where the headquarters of ANERT is situated viz, Thiruvananthapuram alone will have jurisdiction to entertain civil suits and all other legal pertaining to this contract.

## **12. SPECIAL CONDITIONS**

- 12.1 Each bidder should submit only one (1) bid. Any bidder who submits/participates in more than one bid for the work shall be disqualified.

- 12.2 The tenders will be opened in the presence of bidders present at the date and time advised in the Bidding Document. If the due date for receiving and opening the tender happens to be declared holiday, then the tender will be received and opened on the very next day, for which no prior intimation will be given.
- 12.3 If the bidder has NOT submitted the requisite EMD OR Agreement, OR if the price bid is not submitted along with the tender, such tenders will be summarily rejected.
- 12.4 During the tender evaluation, ANERT may seek more clarifications/details from any or all of the tenderers, if felt necessary.
- 12.5 The price bids of the tenderers, which submitted the required documents only will be opened and the L1 bidder will be awarded the work of supply and installation of items after fulfilling all the requirements.
- 12.6 If found essential, ANERT reserves the right, in the interest of completion of work within the time limit, to award portion/portions of the Work order to next higher bidders, called for negotiation in the increasing order of their price offers, if they agree to supply at the L1 price.
- 12.7 If the components quoted are not available in the existing list, bidders may submit the components for approval by submitting the relevant test certificate/reports.
- 12.8 **The rate quoted should be all inclusive including delivery of materials at the locations to be specified, and the cost of materials and labour for the civil and plumbing works, installation and commissioning, Warranties, GST and all other expenses.**
- 12.9 **The price quotes should be inclusive of initial cost of supply, installation and commissioning, support during the warranty period of 5-years.**
- 12.10 The tender offer shall be kept valid for acceptance for a period of 6 months from the date of opening of bid. The offers with lower validity period are liable for rejection.
- 12.11 The evaluation of the price bid will be based on the grand total of all-inclusive amount quoted excluding GST.

### 13. SCHEDULE OF SUPPLY

13.1 Solar Water Heaters of 2400LPD ETC (4x600LPD – 2Sets) capacity each is to be installed at the Roof top of the buildings as mentioned below as specified by ANERT, under prior intimation and supervision of ANERT.

**Requirement: 1. Prior site visit before submission of price quotes.**

DISTRICT	NAME OF THE INSTITUTION	NAME OF THE BLOCK	CAPACITY
THRISSUR	KILA	Sahyadhiri Gust House	(4x600LPD) 2Sets
		Aravally Gust House	

13.2 The Supply, Installation and Commissioning at the 2 sites shall be completed within **1 month of the date of supply order**. This is the time period for handing over the system to ANERT and no time extension in this regard without valid reasons will be entertained.

13.3 Penalty for delay in supply and installation will be imposed at 0.5 % per week up to a maximum 10 %. In case of delay in supply and installation, CEO, ANERT may cancel the contract and take recourse to other action as deemed appropriate.

### 14. PAYMENT

14.1 No advance payment will be given. Payment will be released on receipt of invoices and successful installation and commissioning of the water heating system duly certified by the concerned District Office of ANERT.

14.2 The terms of payment shall be:

- i. 2.5 % of the invoice amount shall be charged by ANERT as non-refundable license fee. The amount less the license fee shall be considered as the contract value.
- ii. On completion of the installation and successful commissioning of the system, 90% of the contract value will be released.
- iii. The remaining 10% shall be retained as performance security as given below.

- a. 50% of the retained performance security shall be released after 1 year from the date of commissioning.
- b. The remaining shall be released on completion of the 5 years warranty period
- iv. The security deposit of 5% furnished along with the contract agreement shall be released on successful completion of supply, installation and commissioning.

14.3 Income tax, contribution to workers' welfare fund and other statutory deductions shall be made from the payment as per prevailing norms.

## **15. SERVICE AND MAINTENANCE**

15.1 The faulty system or components should be replaced/ repaired within 10 days of fault reporting. The servicing should be carried out at the site of installation. The service personnel should visit the installations at least once in 3 months for preventive maintenance even if no faults are reported.

15.2 **Reports of these preventive maintenance visits and generation data should be submitted to the concerned ANERT District Offices on a quarterly basis.** Delay in servicing beyond 15 days of fault reporting would attract penalty at the rate of at the rate fixed by CEO, ANERT and further actions will be initiated against the agency.

15.3 A designated contact Telephone Number and address should be submitted for reporting faults during the warranty period.





**AGENCY FOR NEW & RENEWABLE ENERGY  
RESEARCH AND TECHNOLOGY (ANERT)**

Department of Power, Government of Kerala  
Thiruvananthapuram, Kerala - 695 033;  
[www.anert.gov.in](http://www.anert.gov.in) , [projects@anert.in](mailto:projects@anert.in)

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**E-TENDER DOCUMENT**

***Retender for the Supply, Installation and  
Commissioning of Two Nos. Of 2400 LPD ETC  
(4\*600 LPD) based Solar Water Heating  
Systems in the KILA Campus  
Mulamkunnathukavu, Thrissur***

**Ref. No.: ANERT-TSR/10/2021-DE(TSR)**

**PART - 2**

**Date of Publishing of Bids : - 18/10/2023**

**Last Date of Submission of Bids : - 28/10/2023**

## TECHNICAL SPECIFICATIONS

### 16. SCOPE OF THE WORK

16.1 The scope covers supply, installation and commissioning of *Two Nos. Of 2400 LPD FPC (4\*600LPD) based Solar Water Heating systems* at Gust Houses as mentioned below:

DISTRICT	INSTITUTION	NAME OF THE BLOCK	CAPACITY
THRISSUR	KILA	Sahyadhiri Gust House	(4x600LPD)
		Aravally Gust House	2Sets

16.2 Additional works: Bidders are required to visit the site before quoting and all additional works pertaining to the successful completion of works are under the scope of the bidder. You may contact The District Engineer, Thrissur @ 9188119408 / thrissur@anert.in for clarification on the site.

### 17 TECHNICAL QUALIFICATION CRITERIA

17.1 All the components of the system should comply with the minimum technical requirements of the ANERT. Technical compliance certificate/ Test report from the approved laboratory of MNRE has to be submitted. The certificate should be valid as on the date of submission.

17.2 The agency should have completed the installation of at least an aggregated minimum capacity as per the experience criteria (Table 1-1) for each category of empanelment. The list of installed systems should be provided in the enclosed format (Annexure 1E) along with certificate of satisfactory performance issued by the user.

17.3 The manufacturer shall supply all technical literature and drawing considered necessary for the installation, operation and maintenance of the equipment and its fittings. These shall essentially include: -

- a. Drawing showing over all dimensions and all other details including sectional view of the equipment.
- b. List of parts with reference to nos.
- c. Manual (in Malayalam & English) of instructions for the operation,

maintenance and repairs/equipment and special fittings, if any.

- d. Checking methods and schedule for cleaning the system.
- e. Any other relevant technical data which would be of assistance for efficient operation and maintenance of the system including energy savings etc.

17.4 All the elements of the system which fail due to manufacturing defect within the period of guarantee shall be replaced by the tenderer free of cost.

## 18 EXPERIENCE CRITERIA

Table 1-1: Solar Water Heater (ETC)

Sl.No	Experience - Capacity of the Solar collector supplied/installed	Experience in Solar Water Heater (ETC)
1	30,000 LPD	Bidder must have supplied/ installed at least 30,000 LPD capacity as on date of submission of documents. Copy of work order and Bills/ Certification from the purchaser regarding the execution of order should be submitted as a proof of executing the supply.

## TECHNICAL SPECIFICATIONS OF SOLAR WATER HEATER (ETC)

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### 19 SCOPE OF THE WORK

- i. Supply, installation and commissioning of eight Evacuated tube Collectors (ETC) based solar water heating systems each of capacity 600 litres/day (LPD) at two buildings of KILA, Thrissur. Four numbers of 600 LPD systems to be installed at each building.
- ii. Two numbers of 500 litre cold water compensation tank with BIS specifications (with float level control) to be provided. Each compensation tank will serve cold water to two solar water heating systems at low pressure.
- iii. Cold water compensation tanks to be elevated over a mild steel support stand of sufficient size and height 1.80 meter to provide low pressure water supply facility to the solar water heating systems.
- iv. Plumbing, masonry and electrical work to be done as specified. Labour charges for the handling of components to be included.

### 20 PLACE OF INSTALLATION

Two FPC based solar water heating systems working on thermo syphon principle have to be installed on the concrete flat roof top of two guest houses viz, Sahyadhri and Aravally in KILA campus. Hot water at a yearly average temperature of 70°C will be fed to the utility points at two guest houses with 100 rooms in each building. The hot water distribution pipe lines up to the utility points and continuous cold water supply facility at the place of installation of the system will be provided by the hospital authorities.

### 21 SYSTEM COMPONENTS (Assets created)

1. Evacuated tube Collectors (6x8=48 Nos.)
2. Insulated Stainless Steel Storage Water Tank - 600 litre: 8 Nos.
3. Piping Accessories
4. Support Structures for solar collectors, insulated tanks (8 Nos) and compensation tanks (4 nos).
5. 3 kW electrical heaters to be provided in each of the insulated water tank with thermostatic cut off facility.

## 22 EVACUATED TUBE COLLECTORS

SN	Component	Description
1	Evacuated Tube Collector*	Evacuated Tube Collector is made of double layer borosilicate glass tube evacuated providing insulation. The outer wall of the inner tube is coated with selective absorbing material.
2	Storage tank	<b>Tank material:</b> SS 304 or 316 grade. <b>Tank thickness:</b> Minimum thickness will be 0.5 mm when using argon arc or metal inert gas for welding & 0.8 mm when using other type of welding. No leakage under any kind of negative or positive pressure of water will be ensured. Thermal insulation of storage tank will be minimum 50 mm thick CFC free PUF having density of 28-32 kg/ cu.m for 100 & 200 LPD systems and 100mm thick Rockwool of 48 kg per cu. m for other systems.
3	Cold water pipe	10 m length of Rigid PVC pipe.
4	Hot water pipe	15 m length of CPVC pipe.
5	Structure	Of non-corrosive material or have corrosion resistant protective collectors, piping, tanks etc. coating. They will be strong enough to sustain their pressure during the lifetime of system.

\*The minimum collector area for the evacuated tubes of any capacity of solar water heating system shall be as per the following table.

SN	System Capacity (LPD)	Collector area (m <sup>2</sup> )
1	2400	36.0
2	2400	36.0

**The no. of tubes for any capacity can be calculated as under.**

No. of tubes = Minimum collector area as per above table / Area of single tube

The area of single tube can be calculated as follows.

Area of tube =  $\pi \times \text{Radius of cover glass tube (O.D. / 2)} \times \text{length of tube}$

Minimum no of tubes required for the system can be calculated as per following example:

For a system of 100 lpd, cover glass tube diameter 47 mm & length 1500 mm and minimum collector area 1.5 m<sup>2</sup>.

$$\begin{aligned} \text{Area of tube} &= \pi \times 47 \div 2 \times 1500 \\ &= 110685 \text{mm}^2 = 0.110 \text{m}^2 \end{aligned}$$

$$\text{No. of tubes} = 1.5 \div 0.110 = 13.63$$

Rounding of calculated no. of tubes should be done on higher side. Therefore, minimum no. of tubes required in the system is 14.

### 23 INSULATED HOT WATER STORAGE TANKS

The storage water tanks should be of stainless steel 316 grade with capacities 600 litre each and the minimum thickness of S.S should be 16 SWG (1.63 mm). This tank should be insulated throughout with thermal insulators like Spintex-300 or fibre glass crown white with insulation R value of  $3.34\text{m}^2 \cdot ^\circ\text{C}/\text{W}$  or equivalent to withstand  $100^\circ\text{C}$  and the thickness of insulation should be 100 mm minimum. The insulation of density  $48\text{kg}/\text{m}^3$  should be cladded with fibre glass of thickness 1.63mm or aluminium sheet or GI sheet of thickness 24 SWG. The cladding should be waterproof. All the pipe fittings to the insulated tank should be provided with brass or S.S flanges. A stainless-steel pipe of dia 2.54 cm is to be used as air release pipe at the outlet side of the insulated tank. The insulated tank should be at a height of 30 cm from the top of collector array.

Each storage water tank to be provided with electrical heaters of capacity 3 kW with thermostatic control to cut off at  $60^\circ\text{C}$ . The cables connecting the heaters should be weatherproof and sheathed and laid through weather proof PVC conduit near to the electrical supply point of the building.

The electrical connections from the supply mains to the heater points to be provided by the beneficiary institution.

- i. **Material:** Insulated hot water storage tanks shall be of non-pressure type and made of stainless-steel grade 316, 16 SWG (1.63mm thick) for each 600 litre TIG/MIG welded water tank.
- ii. **Insulation:** S.S storage tanks should be insulated with 100mm thick rock wool of  $48\text{kg}/\text{m}^3$  density or equivalent with 24WG Aluminium cladding or FRP covering.
- iii. **Tank stand assembly:** Insulated tanks and compensation tanks shall be elevated over metal stand assembly made of MS angle of size (min)  $35 \times 35 \times 4\text{mm}$  duly painted with two coat metal primer and enamel paint. Alternative tubular structure with powder coating could also be provided.
- iv. **Electrical back up heaters:** Each storage water tank to be provided with electrical heaters of capacity 3 kW with thermostatic control to cut off at  $60^\circ\text{C}$ .

## **24 PIPING ACCESSORIES**

System Inter connecting piping shall be of ISI marked GI pipes, medium class of IS:1239 or SS pipe duly insulated with 25mm the rock wool of 48Kg/m<sup>3</sup> density or equivalent and 26 SWG Al cladding.

All the pipes and accessories should be as per BIS specifications. Cold water intake pipe from the water main lines to the compensation tank should be made of rigid PVC pipe of size 2.54 cm internal diameter. The hot water outlet from the insulated tank to the main utility points should be made of rigid CPVC pipe of size 2.54 cm internal diameter. The pipe between the insulated tank and collector array should be made of GI / stainless steel of internal diameter 2.54 cm. A non-return valve is to be provided in between the insulated tank and compensation tank to avoid reverse flow to the compensation tank.

Three full way valves to be provided in each of the SWH system. One in between the compensation tank and water supply inlet, the second at the hot water outlet side of the insulated tank and the third valve at the bottom of the collector array for draining. All nuts, bolts and flanges used should be of brass or SS. Components like valves, nipple, tees, bends etc. used shall be of stainless steel, copper or brass with ISI mark. The pipe lines should be firmly clamped to walls/floors at an interval of 1 metre throughout the length. Provision for hot water taps and distribution pipelines to the utility points shall be provided by the beneficiary institution.

The following scope of work should be inclusive in the offer by the tenderer.  
(i) For cold water piping, pipe line length up to 80 metre using ISI marked rigid PVC pipe of 2.54cm internal diameter and (ii) For hot water piping, length up to 80 metre using ISI marked CPVC pipe of 2.54cm internal diameter.

Rates shall be quoted separately for cold water and hot water lines beyond the above-mentioned length. Rates for the insulated hot water pipes between insulated tank and collector array should be inclusive in the offer.

## **25 NAME PLATE**

The solar water heating systems shall be affixed with a name plate with the following information: -

- a. Manufacture's Name, Address & Phone Number

- b. Country of Manufacture/Year
- c. Sr. No. and year of installation
- d. Technical details of the system
- e. The name and logo of ANERT

## **26 INSTRUCTION MANUAL**

- i. The manufacturer should provide with the solar water heating systems an instruction manual in English /Malayalam containing the following information:
  - a. Installation instructions, including mounting details, handling recommendations and safely precaution.
  - b. Maintenance instructions for cleaning of collector glass, painting of support structure, periodic drainage etc.
  - c. Schematic diagram of the SWH systems
- ii. A user education/training programme for the technical personnel of the beneficiary institution has to be done by the vendor in presence of the officials of ANERT Office on or before the day of commissioning

## **27 INTERCONNECTION OF COLLECTORS AND INSULATED TANK**

All the solar collectors should be connected in series/ parallel to the insulated water tanks. Class B -GI/SS (2.54cm dia) pipes should be used for connecting the collector array bottom to bottom of insulated water tank and collector array top to the top of the insulated water tank. Multiple units of solar water heating systems or imbalanced connection of solar collectors will not be allowed. There should be provision for draining out the water through the bottom most point of the solar collector array.

The solar collectors should be inclined towards South direction at an angle of 30° from horizontal. The solar collectors should be inclined towards South direction at an angle of 30° from horizontal.

## **28 SUPPORT STRUCTURE**

The collector support should be in a position to withstand wind velocity of 100 km/hr. It shall be made of MS angle of size 35 mm x 35 mm x 3 mm and shall have



vertical support at top and bottom edge of the inclined plane of the collectors. The vertical supports shall be firmly grouted to the concrete floor with a concrete footing of size 15cm x 15cm x 15cm. The bottom of the collector array should be at a minimum height of 10 cm from the terrace floor level and there should not be any shadow of nearby objects on the collector array. The location for installation of the SWH system should be on the concrete terrace as close to the main utility points so as to reduce the length of hot water lines.

The support stands of the insulated tank and compensation tank should be made of MS angle of size 35 mm x 35mm x 4 mm. Both the stands should withstand the load including wind velocity. All the support structure should be painted with two coat metal primer and enamel paint.

## **29 WARRANTY OF THE SWH SYSTEM**

The solar water heating systems will be provided with comprehensive warranty for a period of 5 years from the date of commissioning and a warranty card to this effect should be provided to the beneficiary on commissioning of the SWH system. The postal address, e-mail ID and phone number of the manufacturer and local service provider should be provided in the warranty card.

## **30 SITE INSPECTION**

It is recommended that the bidders visit all the sites listed here for the physical verification and for correctly estimating the quantity, especially related to the length of Cold and Hot Water Pipe, before submitting the bids. **Bidder must include all the additional costs including plumbing works only after visiting the proposed sites.**

## **31 DISPLAY BOARD**

The logo of ANERT and details of the scheme as specified in the work order.

## FORMAT FOR COVERING LETTER

---

*(This letter to be submitted on the official letter head of the tenderer, signed by the authorised signatory.)*

Sir,

I/We hereby e-tender to supply, under annexed terms and conditions of contract, the whole of the articles referred to and described in the attached specification and quantity decided by the Agency for New & Renewable Energy Research and Technology (ANERT), at the rates quoted against each item. The articles will be delivered and installed/commissioned within the time and at the place(s) specified in the schedule.

I am/We are remitting herewith the required amount of Rs. .... towards the cost of e-tender and Earnest Money Deposit by electronic payment vide transaction No ..... dtd.....

Yours faithfully,

Place:

Signature

Date:

Name

Designation

(Office Seal)

## ANNEXURE 1A – SUMMARY OF BID QUALIFICATION REQUIREMENTS

(To be filled in by the bidder)

1.	Name of the bidder	
2.	Empanelment No.	EA/
3.	Address in full	
4.	Contact Details  Mobile Land Phone Fax Email	
5.	Name and Designation of the authorised signatory	
6.	Details of EMD submitted along with the bid in favour of CEO ANERT	

Documentary evidence for the bid qualification requirements are submitted along with this document and the details furnished above are true and correct.

Signature  
of authorised signatory

Name

Designation

Date:

(office seal)

## ANNEXURE 1B-AGREEMENT

---

ARTICLES OF AGREEMENT executed on this the ..... day of .....  
Two thousand and .....between the **Agency for Non-conventional Energy and Rural Technology** (hereinafter referred to as **ANERT**) of the one part and Sri ..... (Name and Address of the tenderer) hereinafter referred to as “the Bounden”) of the other part.

WHEREAS in response to the Notification No. .... dated ..... the bounden has submitted to ANERT a e-tender for the ***Retender for the Supply, Installation and Commissioning of Two Nos. Of 2400 LPD ETC (4\*600 LPD) based Solar Water Heating Systems in the KILA Campus Mulamkunnathukavu, Thrissur*** specified therein subject to the terms and conditions contained in the said e-tender.

AND WHEREAS the bounden has furnished to ANERT a sum of Rs. .... as Earnest Money Deposit for execution of an agreement undertaking the due fulfilment of the contract in case his e-tender is accepted by ANERT. NOW THESE PRESENTS WITNESS and it is hereby mutually agreed as follows: -

In case the e-tender submitted by the bounden is accepted by ANERT and the contract for ..... is awarded to the bounden, the bounden shall within Fifteen days of acceptance of this e-tender, execute an agreement with ANERT incorporating all the terms and conditions under which ANERT accepts this e-tender.

In case the bounden fails to execute the agreement as aforesaid incorporating the terms and conditions governing the contract, ANERT shall have power and authority to recover

from the bounden any loss or damage caused to ANERT by such breach as may be determined by ANERT by appropriating the moneys inclusive of Earnest Money deposited by the bounden and if the Earnest Money is found to be inadequate the deficit amount may be recovered from the bounden and his properties movable and immovable in the manner hereinafter contained.

All sums found due to ANERT under or by virtue of this agreement shall be recoverable from the bounden and his properties movable and immovable under the provisions of the Revenue Recovery Act for the time being in force as though such sums are arrears of land revenue and in such other manner as ANERT may deem fit.

In witness whereof Sri ..... (Name and Designation)  
for and on behalf of the Agency for Non-conventional Energy and Rural Technology and  
Sri ..... the bounden have hereunto set their  
hands the day and year shown against their respective signature.

Signed by Sri .....

Signed by Sri .....

(Date) .....

(Date) .....

in the presence of witnesses

in the presence of witnesses

1.

1.

2.

2.

## **ANNEXURE 1C –DECLARATION BY THE BIDDER**

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e-Tender Notification No: ....., dtd .....  
for Retender for the Supply, Installation and Commissioning of Two Nos. Of 2400 LPD  
ETC (4\*600 LPD) based Solar Water Heating Systems in the KILA Campus  
Mulamkunnathukavu, Thrissur

To

The CEO  
ANERT

We, the undersigned, declare that:

1. We have examined and have no reservations to the Bidding Document, including Addenda No.: ..... (if any)
2. We offer to supply in conformity with the Bidding Document and in accordance with the delivery schedule.
3. Our Bid shall be valid for a period of 3 months from the date fixed as deadline for the submission of tenders in accordance with the Bidding Document, and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
4. If our Bid is accepted, we commit to submit a Security Deposit in the amount of 5 percent of the Contract Price for the due performance of the Contract.
5. We are not participating, as Bidders, in more than one Bid in this bidding process.
6. Our firm, its affiliates, or subsidiaries, including any subcontractors or suppliers for any part of the Contract, has not been declared ineligible by the ANERT or Government of Kerala.
7. We understand that this Bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal Contract is prepared and executed.
8. Our firm has obtained the certifications from MNRE or NABL approved Test laboratories that the goods and services are satisfying the technical criteria specified in the bid.

Signature

Date

Name

## **ANNEXURE 1D – DECLARATION OF RELATIONSHIP WITH ANERT EMPLOYEE**

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(to be signed and submitted by the bidder along with the bid)

Tender Notification No.: .....

Retender for the Supply, Installation and Commissioning of Two Nos. Of 2400 LPD ETC (4\*600 LPD) based Solar Water Heating Systems in the KILA Campus Mulamkunnathukavu, Thrissur

To

The CEO  
ANERT

Name of the ANERT employee with Designation:

Name of the bidder related to the employee:

This is to put on record that Shri/Smt .....  
currently working as ..... in ANERT is related to  
....., who is the bidder in the bid. We are aware of the  
Anti-corruption policy of ANERT and will observe the highest standards during the  
procurement and the execution of contract and shall retain from corrupt, fraudulent,  
collusive or coercive practices on competing for the contract.

Signature

Name

Date





## ANNEXURE 2A -BIDDER'S TECHNICAL INFORMATION SUMMARY

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I..... (Name, Designation) authorized signatory of  
..... (Name and  
full address of the MNRE channel partner/Public sector undertaking) hereby undertake  
that

1. The solar water heater supplied/installed in Kerala shall be as per technical specification stipulated by ANERT/ MNRE. The installation shall be done as per the recommended installation practices and using components as per the prescribed Technical Specifications.
2. The Solar water heater supplied and installed should be given warranty for 5 years.
3. The price quoted by the bidder for each configuration shall be all inclusive of taxes (GST) and duties, and shall cover the pre-installation survey report, transportation, handling charges, supply and commissioning of the system as per site conditions and no there will be no deviation from the price quoted.
4. At least one service center will be maintained for two districts. List of service centers provided are true and correct.
5. No alteration in the downloaded document is made. If any alterations are detected at any stage, my offer is liable to be rejected.
6. The rate of solar water heater quoted in LSG institutions, Government departments and other beneficiaries will not exceed the approved rate of ANERT.
7. All the above terms and conditions are acceptable to me/us.

Date

Signature of the authorized signatory

Name

Designation

(Office Seal)