

APPLICATION FORM

ETC BASED SOLAR WATER HEATING SYSTEM

From: -

Company (*Please write complete Postal address*)

Sir

We hereby place an order on you for the services as described below:

Sr. No.	Description	Capacity (lpd)	Test Fee per sample (Rs)	No. of samples	Total (Rs)
1.	Evacuated Tube Based Solar Water Heating System	Up to 100 100 to 200 200 to 300			

1. A Bank Draft No. _____ dated _____ for Rs. _____ in favour of _____ payable at _____ drawn on _____ is enclosed towards the Test Fee for the sample(s).
2. The manufacturer/supplier should submit the general specifications of the test sample as per **Annexure –I** (enclosed).
3. The manufacture/supplier should provide list of **components to be submitted along with Test sample** as per **Annexure -II** (enclosed).
4. Test Sample along with **Annexure-I** including the demand draft is handed over to the above mentioned address.
5. We accept **general terms and conditions** enclosed with this application.

Signature of authorized person

Name (*Capital Letters*):

Designation:

Seal of the Company:

Dated:

For office use only

Date & time of Receipt:

Inspected By:

Remarks if any:

Sample Identification Number (I.D.)

Signature of Receiving Authority:

ANNEXURE - I

Information on Evacuated Tube Based Solar Water Heating System

A. GENERAL

Name & address of manufacturer/supplier/importer	
Registration no.	
Contact details of: I. E-mail II. Website III. Phone no (office, works/factory) I. Mobile no.	
Details of collaborator (if any) I. Name & address of collaborator II. Name of the component being imported	

B. SPECIFICATIONS OF THE TEST SAMPLE

(ALL DIMENSIONAL ARE IN MM, UNLESS SPECIFIED OTHERWISE)

B1. SYSTEM DETAILS

Make/ model	
Serial no.	
Date/month/year of manufacturing	
System capacity (LPD)	
Technology [all glass direct flow/heat-pipe type/any other (pl. Specify)]	

B2. EVACUATED GLASS TUBE

Glass tube length	
Weight of single glass tube (empty) (gm)	
Inner diameter of glass tube	
Outer diameter of glass tube	
Glass wall thickness	
Center to center distance between two glass tubes	
Number of glass tubes, nos	
Gross area of a single tube, m ²	
Exposed area (gross) of a single tube, m ²	

Gross aperture area of the collector, m ²	
Reflector below the glass tube (provided/not provided) Material	
Protrusion evacuated tubes into tank	
Details of selective coating	

B3. EVACUATED GLASS TUBE BOTTOM HOLDING CAP

Material	
Thickness	

B4. STORAGE TANK

Material and Thickness of Outer Cladding	
Material and Thickness of Inner Tank	
Material & Thickness of Insulation	
Capacity(Liters) A. Without taking into account water in the tubes/collector B. With taking into account water in the tubes/collector	
Height of hot water withdrawal point from bottom of the tank	
Height of cold water inlet from bottom of the tank	

B5. CONNECTING PIPING (where applicable)

Material	
Inner diameter	
Outer diameter of cladding	
Insulation material & thickness	

B6. SUPPORTING STANDS/FRAME

Material	
Thickness and other details	
Eproxy/anti corrosion coating	

B7. RUBBER COMPONENTS

Material	
Gasket (if any)	
Tube seal inside the tank	

C. TEST REPORT

Copy of test report (if any)	
Two photographs of sample	

D. TESTING FEE DETAILS

Name & address of the issuing bank	
Bank draft no. & date	
Amount(rs).	

E. ANY OTHER INFORMATION:

Declaration:

This is to certify that the above-furnished information is true to the best of my knowledge and belief. The “Solar RTC Centre, Silchar” or its authorized nominee will be free to visit our works in order to assess the details provided above by giving an advance notice in writing.

Date:

Place:

Signature with Seal

NB: To be signed by officer not below the rank of G.M. / Equivalent

ANNEXURE II

List of components to be submitted along with sample

1. A fully assembled unit of Evacuated tube based Solar Water Heating System.
2. Two pieces of Evacuated Tube
3. Sample of Glass tube holder
4. Sample of insulation material used in storage tank.
5. A manufacturer certificate in respect of R-value of insulation material.
6. One piece of washers, Gasket.
7. A copy of instruction manual containing information on instruction for installation, repair & maintenance, common failure and safety precautions.
8. Name, logo or symbol of manufacturer.
9. Two photographs of the system.

GENERAL TERMS AND CONDITIONS

1. The manufacture/supplier should supply and install the system on the test bed as per the specifications and to the satisfaction of the testing authority and will take back the system at his own cost after the issue of Test Report within one month.
2. For identification purpose, all components supplied to the Centre for testing purpose shall be marked clearly.
3. “Solar RTC Centre, Silchar” shall not be responsible for any loss or damage caused to the sample if any, during the testing of the system.
4. “Solar RTC Centre, Silchar” is only a testing centre and not a certifying authority and the results reported are valid under stipulated conditions of measurements.
5. A copy of the Test report containing all the parameters measured at “Solar RTC Centre , Silchar” as per the MNRE specifications and claims made by manufacturer/supplier will be issued to the manufacturer/supplier/ importer
6. The report contains the following **DISCLAIMER**:
 - a) This is a report on measurements carried out on the Samples submitted at the “Solar RTC Centre, Silchar”.
 - b) The TEST REPORT refers only to the sample supplied. The results presented here relate only to the conditions of the measurements at the time of testing.
 - c) “Solar RTC Centre, Silchar” does not accept any liability for any consequences including commercial or otherwise arising out of the utilization of the information contained in the report.
7. Any queries related to this report will not be entertained after one month of receipt of this report.
8. This test report is not a legal document and is not valid for any kind of legal Formalities.
9. The Test Report in full or in part may not be published or advertised or used for any legal action unless prior permission has been secured from this test centre.

CHECK LIST FOR EVACUATED TUBE COLLECTOR (ETC) AS PER MNRE NORMS

1. Information duly filled in **Annexure-I**
2. List of components/information submitted along with the sample as per **Annexure-II**