APPLICATION FORM

SOLAR FLAT PLATE COLLECTOR (FPC)

From: -

Company *(Please write complete Postal address)*

Sir,

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

Sr. No.	Description	Collector Area (m^2)	No. of samples	Test Fee per sample (Rs.)	Total (Rs)
1.	Solar Flat Plate Collector			**20,000/- (Direct)** **16,000/- (BIS)**	

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 be 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 Solar Flat Plate Collector (FPC)

A. GENERAL

Name & address of manufacturer/supplier/ importer	
Registration no.	
Contact details of: I. E-mail II. Website III. Phone no (office, works/factory) IV. 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 dimensions are in mm, unless specified otherwise)

B1. SYSTEM DETAILS

Make/ model	
Serial no.	
Date/ month/ year of manufacturing	

B2. COVER PLATE

Material (Tempered or Toughened glass)	
Transmittance	
Aperture area	
Glass thickness	

B3. COLLECTOR BOX

Material	
Size (Length × Width × Height)	
Thickness, mm	Channel section for side = Sheet for bottom = Support for glass =
Gross area of collector	
General finish	

B4. ABSORBER

Material	
Thickness	
Coating	
Type of bonding between riser and sheet	Brazing / Soldering / TIG Welding
Gap between cover plate & absorber	
Absorptivity	

B5. COLLECTOR BOX INSULATION

Material	
Coefficient of thermal conductivity at 100°C	
Thickness	
Covering of the back and side insulation	

B6. GASKET & GROMMETS

Material (Gaskets)	
Grommets	
Thickness	

B7. RISER

Material	
Number of risers	
Diameter	
Type of bonding with riser and header	
Static pressure withstand	

B8. HEADER

Material	
Diameter	
Material of coupling	

C. TESTING FEE DETAILS

Name & address of the issuing bank	
Bank draft no. & date	
Amount	Rs.

D. 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 than rank of G.M./Equivalent.*

ANNEXURE - II

List of components/ information to be submitted along with the sample

A fully assembled unit of Solar Flat Plate Collector (FPC)			-----
Absorber with riser having total minimum area 400 cm² (20 cm × 20 cm)			One piece
Grommet			One piece
Gasket/sealant of about 300 mm length			One piece
Matching flanges / unions			2 Nos.
Flange blanks/plugs for closing the header ends			3 Nos.
Information regarding maximum operating temperature and pressure			_____°C _____kPa
K-value certificate of insulation material			Photocopy
Collector box material measuring 150 mm × 90 mm Minimum			One piece
Back sheet of collector box material 400 cm² (20 cm × 20 cm)			One piece
Mass and specific heat of toughened glass, copper sheet (absorber) and insulation material (glasswool) used in the collector			----
	Glass	Absorber (Copper tube & Riser)	Insulation
Mass (kg)			
Specific heat (J/kg °C)			

GENERAL TERMS AND CONDITIONS

1. The manufacture/supplier should supply the system as per the specifications and will take back the system at their own cost after the issue of Test Report within two months.
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. RTC, SPRERI 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 BIS 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 "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) RTC, SPRERI 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.

CHECKLIST BEFORE SUBMISSION OF TEST SAMPLE OF SOLAR FLATE PLATE COLLECTOR (FPC)

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