

**Format for submission of project proposal for installation
of CST based system for process heat/community cooking/cooling application**
(Both for MNRE subsidy & UNDP-GEF support)

1.	Name of establishment with complete postal address, telephone, fax number, mobile and e-mail address for correspondence purpose.	:	
2.	Type of solar technology to be used for CST based system a) Type of Technology along with tracking b) <u>Capacity</u> <u>Size (sq. m.)</u> <u>No. of concentrators</u> <u>Approx. cost as given by supplier</u> 1. 2.		Single Axis/Dual Axis
3.	Requirement of application (Cooking, process heat/ cooling any other)	:	
4.	Heat required for application in the form of steam/ hot air/ pressurized hot water/ hot oil/ any other)	:	
5.	Required temperature & pressure of useful heat	:	
6.	Existing arrangement for such application (Boiler/LPG or PNG burners/any other)	:	
7.	Present fuel consumption : i) per day ii) per year	:	
8.	Shadow free land area available at terrace/ ground & identified for solar system (sq. m.)	:	
9.	Distance of utility point from solar site	:	
10.	Whether solar system proposed, will be integrated with existing boiler/ heating arrangement or it will be a totally new system (If it is a new system, balance of components other than solar needs to be mentioned)	:	
11.	Report on feasibility study done/ DPR prepared for installation of CST based system with details of consultant/ manufacturer who did that	:	
12.	Name and address of supplier identified for installation of the system,	:	
13.	How the beneficiary decided supplier: i) quotation / tender basis ii) detail valuation with channel Partners iii) discussion with consultants		
14.	Expected outcome from proposed installation i) Average heat delivery per day ii) Fuel savings with prevailing fuel/ LPG	:	
15.	Component –wise estimated cost break up: i) solar system ii) balance of system iii) Total cost v) AMC, if any	:	

16.	MNRE support sought as per the scheme provisions	:	
17.	UNDP support sought as per revision made on 1.8.2015	:	
18.	Balance cost of system which will be met by the beneficiary (Commitment letter of their contribution as applicable to be enclosed)		
19.	Whether the project is implemented in ESCO mode (yes/ No)	:	If yes, details as per below to be provided
20.	Time required to complete the project after date of sanction	:	
21.	Commitments from the beneficiary i) We will bear the remaining cost apart from the MNRE support as per details given above ii) We will not dismantle the system at any stage without prior written permission of MNRE iii) We will regularly use and properly maintain the system and submit quarterly performance report for a minimum period of one year from the date of installation through implementing agency. iv) We will take Annual Maintenance contract for a period of at least 5 years after completion of the warranty period from manufacturers or get our people in-depth trained for successful functioning, operation and maintenance (O & M) of the systems at site from supplier/installers.		

Date:

Place

**Signature
Name & Designation
Organization
Company's Seal**

To,
Dr. R. P. Goswami
Director, CST Division,
Ministry of New & Renewable Energy
B-14, CGO Complex, Lodi Road, New Delhi-110003

Copy to: National Project Manager, Project Management Unit (PMU), UNDP-GEF (CSHP), Ministry of New & Renewable Energy, B-14, CGO Complex, Lodi Road, New Delhi-110003- for sanctioning as Demonstration/Replication project

Information required for projects to be implemented in ESCO mode

DPR prepared should contain the MoU signed between various stakeholders covering the following:

- i) Performance guarantee, performance measuring & fuel saving techniques
- ii) Details of investment to be made by ESCO, beneficiary/ any other in beginning
- iii) Whether equity of various parties or availing loans. If loan, details to be provided with name of FI providing loan. Details of any other arrangement also to be provided
- iv) Monthly/ quarterly installment to be paid by beneficiary or savings (minimum 7 years)
- v) Time period of agreement with the beneficiary
- vi) Beneficiary's commitment to bear minimum 20% of project cost in beginning (if not, the reasons, thereof)
- vii) Cost economics and viability of the proposal
- viii) Ownership of system to be installed will not be dismantled without permission
- ix) Safeguard of MNRE/ PMU funds, in case the project stops operating in ESCO mode due to some dispute among the stakeholders