

ADDITIONAL SUPPORT AVAILABLE FOR CST BASED SYSTEMS UNDER UNDP-GEF CSH PROJECT

A. Project size 250 sq. m. & above

(Except of projects with dual axis tracked dishes having moving focus where the lower limit will be 150 sq.m.)

Demonstration Projects: 15% of MNRE benchmark cost to a maximum of Rs.75 lakhs (Restricted to a few projects for support above Rs. 30 lakhs)

Replication projects: Rs. 5 lakhs for projects up to 500 sq. m. and Rs. 10 lakhs for projects above that.

Criteria of consideration as Demonstration / Replication project

- Replication projects : Systems based on Scheffler (16 sq. m. single axis tracked) dishes for all applications
- Demonstration projects: All other projects with CSTs of different sizes for various applications in different sectors/ type of establishments. Replication projects with newer applications or improved version of existing technologies and innovative ideas leading to improved performance/ durability/ user friendly techniques or reduction in cost etc will also come under this category

Criteria for support to Channel Partners/ manufacturers for Demonstration projects

- Single technology of a particular size/design for all applications: Maximum 5 projects of one application but in different sectors/ type of establishment.
- Above criteria will be followed for other technologies of different designs/sizes
- After this all such projects will come in replication category.
- Technologies to be supported : Paraboloid dish, Arun dish Scheffler (16 sq. m. dual axis tracked), Scheffler dish (above 16 sq.m. size), PTC (Non evacuated receiver), PTC (Evacuated receiver), LFR, Non-Imaging concentrators

Maximum CST area to be supported till October, 2014

Demonstration Projects

- Total: 15,000 sq. m.
- To each Channel partner / manufacturer on CSTs of all sizes/ designs: 5,000 sq. m. (Channel partner) & 2500 (Other manufacturers) or less if 15,000 sq. m reached in total by October, 2014 on first cum first basis (Date may be extended on seeing the response).

Replication projects: No limit

Use of available support

The support is available to share owner's expenses for following which otherwise also is to be done in MNRE programme to avail the subsidy:

Demonstration projects

- Preparation of Feasibility report for project with CST area below 750 sq. m. and Detailed Project Report (DPR) for project above 750 sq. m.

- Performance monitoring of the system for minimum 2 years with instruments & equipment procured and installed (*2 Pyranometers with & without shading ring, pressure transducer, temperature sensors, steam/ thermic fluid/hot water flow meter & a control panel for on-line monitoring will be the minimum requirement which will be the responsibility of supplier and done without any-fail*)
- Operation & maintenance of the system (*AMC for atleast 4 years after completion of warranty period will be necessary except in cases where some amount is earmarked by the organization for keeping the system functional & well maintained*)

Replication projects

- Providing performance & fuel savings data on regular basis with essential equipment installed (*Temperature sensors, pressure gauge/transducer & fluid flow meter will be the minimum requirement which will be the responsibility of supplier*)
- Operation & maintenance of the system (*AMC for atleast 2 years after completion of warranty period will be necessary except in cases where some amount is earmarked by the organization for keeping the system functional & well maintained*)

Part support could be utilized for installation of system subject to meeting the above requirements

Approval/ Sanction of GEF support

An approval letter/ Sanction will be issued for additional GEF support to both of the Demonstration & Replication projects based on following received in PMU:

- i) In- Principle approval/ sanction letter issued by MNRE
- ii) Copy of project proposal in prescribed format requesting for MNRE subsidy & UNDP support by the beneficiary

Release of Support to beneficiaries/ manufacturers

50% of the sanctioned/ approved UNDP-GEF support in advance to beneficiary based on submission of BG of the same amount within a period of 6 months from the date of award letter (valid for one year if the installation has started or else for 2 years). It could be released to manufacturer also if the beneficiary desired so with consent letter received from him. In case BG is not submitted, this amount will be released on getting i) copy of PFR/DPR, ii) 2 months performance data with commissioning certificate, iii) details of instruments installed from beneficiary/ manufacturer as the case will be. BG also to be released on getting these documents, if submitted.

Balance 50% will be released to the beneficiary only based on further BG of same amount valid till 2 years for Demonstration projects and 1 year for Replication projects) after commissioning of the system with atleast 2 months performance data received in PMU with copy of AMC/ commitment on O&M. BG to be released after its expiry date subject to satisfactory performance of the system and receipt of performance & fuel saving data on quarterly basis. In case BG is not submitted, this amount will be released in 2 installments on yearly basis for Demonstration projects & in 1 year for replication projects after commissioning of the system subject to its satisfactory performance.

Other projects

Project size of below 250/ 150 sq. m. as the case may be (refer above) but not below 64 sq. m. of Scheffler dishes & 45 sq. m. of other concentrators

- Rs. 2 lakhs for each project to the beneficiary for providing performance & fuel savings data on regular basis and Operation & Maintenance of the system. Based on the sanction issued, release of Rs. 2 lakhs could be made in advance based on BG received in PMU or will be made after one year of commissioning of the system based on performance & fuel saving data received on quarterly basis, if BG not submitted.

ESCO mode projects

- 10% of MNRE benchmark cost to a maximum of Rs. 15 lakhs for each project in addition to above. Support available for all the above projects (demonstration/ replication/other projects) may be combined with this support and provided to implementers, if the projects are done in ESCO mode. Copies of Detailed Project Report and MoU signed with beneficiary on stamp paper would be required with following included:
 - Performance guaranty, performance measuring & fuel saving techniques
 - Details of investment to be made by ESCO, beneficiary/ any other in beginning
 - Whether equity of various parties or availing loans. If loans, details to be provided with name of FIs providing loans
 - Monthly/ quarterly installment to be paid by beneficiary on savings (Minimum 5 years)
 - Time period of agreement with beneficiary
 - Beneficiary's commitment to bear minimum 20% of project cost in beginning
 - An Affidavit that system installed will not be dismantled without the permission of MNRE

B. Repair & Renovation Projects

- 20% of sanctioned project cost to a maximum of Rs. 15 lakhs for 5 years old systems subject to the condition that equal amount is spent by the beneficiary. A proposal covering following information would be required to be submitted for availing this support:
 1. Name of establishment with complete postal address, telephone, fax number, mobile & e-mail address for correspondence purpose.
 2. Type & size of solar technology installed
 3. MNRE sanction letter No & Date with approved cost of the system
 4. Place of Installation
 5. Date of commissioning of the system
 6. Name of manufacture who installed the system
 7. Application for which the system is being used
 8. Since when the system is lying non-functioning?
 9. Reasons for lying non-functioning
 10. Whether manufacturer who installed the system was approached? If yes, the response.
 11. Major components requiring repair/ replacement
 12. Details of supplier identified for repair of system
 13. Budget estimate on repair of system (Details to be provided in a separate sheet with quotation from supplier attached)
 14. Budget sought from UNDP-GEF project as per scheme
 15. Commitment share from beneficiary to be indicated in covering letter
 16. Expected date of getting the system repaired
