



From

Director General,  
New & Renewable Energy Department,  
Haryana & HAREDA, AkshayUrjaBhawan,  
Institutional Plot No. 1, Sector-17, Panchkula.

To

The Additional Deputy Commissioner-cum-  
Chief Project Officer, NRE,

Memo No. DRE/SWHS/ GL/2018-19/513-34

Dated: 18/05/2018

Subject: Regarding guideline for implementation of the scheme of Solar Water Heating System for General Public/ Solar Cities in Domestic Sector during the financial year 2018-19.

Kindly refer to the subject cited above.

Please find enclosed herewith the guidelines for implementation of the scheme of Solar Water Heating System for general public/solar cities in domestic sector during the financial year 2018-19. This is for your kind information and further necessary action at your level.

Sd/-  
Project Officer,  
for Director General, New & Renewable Energy  
Deptt. Haryana, Panchkula.

Endst No. DRE/SWHS/ GL/2018-19/ 535

Dated: 18/05/2018

A copy of the above is forwarded to the Programmer, New & Renewable Energy Deptt., Haryana/ HAREDA, Panchkula for upload the guideline on web portal of the department.

Sd/-  
Project Officer,  
for Director General, New & Renewable Energy  
Deptt. Haryana, Panchkula.



## GUIDELINES FOR IMPLEMENTATION OF THE SCHEME OF SOLAR WATER HEATING SYSTEMS FOR GENERAL PUBLIC/ SOLAR CITIES IN DOMESTIC SECTOR DURING THE FINANCIAL YEAR 2018-19.

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To conserve electricity and other conventional fuels in water heating applications, Department of Renewable Energy, Haryana/ Haryana Renewable Energy Development Agency (HAREDA) is implementing a scheme on popularizing the use of solar water heating systems. Solar water heating is a techno-economically viable option for water heating application. The cost of a 100 liters per day (LPD) system is approx. Rs. 22,500/- and it's payback period is 3-5 years depending upon its use and fuel replaced.

Considering the high upfront cost of the system, the Haryana Government is providing subsidy to promote the Solar Water Heating Systems technology @ Rs. 5000/-- per sq. meter of the collector area subject to max. 6 sq. meter of the collector area for the flat plate collector (FPC) type solar water heating system and Rs. 2000/- per square meter subject to max. 4.5 square meter area of the evacuated tube collector (ETC) solar water heating systems. All Haryana residents and Haryana Govt. Employees living in Chandigarh having their own house or Govt. accommodation will be eligible to avail the capital subsidy on installation and apply.

To implement the scheme during the current financial year, the following implementation methodology will be followed:

1. The wide publicity shall be done to promote the scheme through press releases and advertisements.
2. **Eligibility:** All Haryana residents and Haryana Govt. Employees living in Chandigarh shall be eligible for the state financial assistance on installation of solar water heating systems on reimbursement basis after verification of the system by the concerned District Project Officer/ Assistant Project Officer of the Renewable Energy Department in the office of the Additional Deputy Commissioner-cum-Chief Project Officer of the concerned district.
3. The resident can install solar water heating system of his/ her own choice confirming to the specifications for SWHS of the Ministry of New & Renewable Energy, Govt. of India (MNRE/GOI) and apply online on the web portal [www.hareda.gov.in](http://www.hareda.gov.in) for



reimbursement of State Financial Assistance by furnishing the application and uploading the requisite documents.

(a) In case of Flat Plate Collector (FPC) Solar Water Heating System:-

The system confirming to MNRE specifications must be installed from the BIS approved manufacturers/ suppliers who are on HAREDA Rate Contract for SWHS/ authorised dealer or distributor of BIS approved manufacturers.

(b) In case of Evacuated Tube Collector (ETC) Solar Water Heating System:-

The system must be installed by the supplier having test report issued on or after 01.4.2016 as per latest MNRE specification or their authorised dealer/ distributor.

The supplier shall give guarantee for life of the collector for at least 15 years in case of flat plate collector and for at least 10 years in case of evacuated tube based collector alongwith five year Annual Maintenance Contract (AMC).

4. Only the applications of the Solar Water Heating Systems billed in the current 2018-19 and in the previous year 2017-18 will be accepted. Systems billed before 1.4.2017 will not be accepted for State Financial Assistance.
5. Only online applications will be accepted for reimbursement of subsidy. No manual application will be accepted.
6. A master register will be maintained in the office of ADC-cum-CPO of the district for the beneficiaries of Domestic Solar Water Heating Systems since inception of the scheme to avoid duplicity in distribution of subsidy.
7. The application received complete in all respect will be examined by the ADC-cum-CPO office within 7 days of receipt of the application. After site visit & verifying the installed system, the Joint Commissioning Report (JCR) will be signed by the Project Officer/APO concerned, supplier and the User. If there is any discrepancy, same will be conveyed to the applicant for rectification.
8. The ADC-cum-CPO of the concerned district will be the DDO. The funds shall be transferred to districts on their demand and after verification & satisfactorily working of the system and availability of budget under the scheme, subsidy will be released to the beneficiary. The state subsidy will be released directly in the Bank Account of the applicant.
9. The record of applicant/ beneficiary/s along with documents obtained will be maintained at District Office i.e. ADC-cum-CPO of the district and a soft copy of the



beneficiaries list will be sent within 7 days after release of state subsidy to the Directorate through e-mail for uploading on web portal of the Department [www.hareda.gov.in](http://www.hareda.gov.in).

10. State Financial Assistance (subsidy) will be subject to availability of the funds. Subsidy will be transferred in the bank account of the beneficiary through RTGS. Subsidy will be released on first come first serve basis.
11. In case the funds are available under the scheme, the State Financial Assistance (subsidy) will be transferred in the account of beneficiary within 30 days of receipt of the claim, complete in all respect.
12. Solar Water Heater collector size of 1.5 sq. meter or as per test report in case of ETC and 2 sq. meter in case of FPC will be taken equivalent 100 LPD for calculation of subsidy and subsidy will be applicable according to the capacity of the system in square meter or in litre per day whichever is less. However, system below capacity 100 LPD will not be eligible for subsidy i.e. subsidy will be released on capacity based 100 LPD, 200 LPD, 300LPD, 400LPD and so on only. One family will be eligible for subsidy on Solar Water Heating System subject to max. 300 LPD only. To illustrate, if a family get installed, two systems of 100 LPD & 200 LPD, then it will be eligible for subsidy on both the systems and if a family get installed solar water heating system of capacity 400 LPD and above, then it will be eligible for subsidy equivalent to maximum capacity 300 LPD only.
13. The installed systems may be monitored by the Department for a minimum period of five years for their performance. The beneficiaries of the subsidised systems will have to offer that his/ her system as and when required by the Department can be monitored at his/ her premises.
14. PO/APO of the district may carry out monitoring of at least 20% of the subsidised systems and submit quarterly monitoring report to the Director General, Renewable Energy Department, Haryana, Panchkula.
15. List of the beneficiaries after reimbursement of the state subsidy will be uploaded & regularly updated on the web portal of the Department [www.hareda.gov.in](http://www.hareda.gov.in) .



16. After installation of the system & inspection by the concerned ADC-cum-CPO office, the beneficiary may apply to the concerned ADC-cum-CPO office for rebate in electricity bill @ Rs. 100/- per month for installation of 100LPD capacity of Solar Water Heating System subject to maximum 300 LPD capacity of system for a period of three years from the date of installation & commissioning of the system. This rebate shall be provided by the UHVBN/DHVBN in the bill.