

No.3/1/2007-UICA (SE)
Government of India
Ministry of New & Renewable Energy

Block No.14, CGO Complex,
New Delhi, dated 21st April 2010

To

Heads of State Nodal Agencies,
Municipal Commissioners, State Utilities,
IREDA/ Financial Institutions,
BIS/MNRE Approved Manufacturers/Suppliers

Subject: - Continuation of the programme on “Accelerated Development and Deployment of solar water heating system in Domestic, Industrial & commercial Sectors” during the financial year 2010-11.

Sir,

In continuation of this Ministry’s earlier sanction order of even number dated 29.6.2009 on the subject noted above, I am directed to convey the sanction of the President for continuance of the implementation of the scheme on “**Accelerated Development and Deployment of solar water heating system in Domestic, Industrial & commercial Sectors**” during 2010-11 at a total budget outlay of Rs.15.00 crore. The details of the programme component, implementation methodology, financial assistance, release of funds and monitoring mechanism will be the same as contained in the sanction order No 3/1/2007-UICA(SE) dated 18.08.2008, and till such time the same is superseded by fresh/modified scheme to be formulated and implemented during remaining period of the 11th Plan.

2. All the implementing Agencies are requested to take up the above-mentioned scheme for implementation as per the guidelines contained in the aforesaid sanction order dated 18.08.2008, till further order.

3. The expenditure on above scheme will be met from the budget head - Demand No.67; Major Head:2810-New & Renewable Energy; Minor Heads:00.103-Renewable Energy for Urban, Industrial & Commercial Applications, Sub-head:02-Solar Thermal Systems – Solar Water Heating, 01-Renewable Energy Application, 33-Subsidy (Plan) during the year 2010-11.

4. This issues in exercise of powers delegated to this Ministry and with the concurrence of IFD vide their sanction Dy. No. IFD/61/2010-11 dated 12/04/2010 and concurrence dated 12/04/2010 & competent authority’s approval dated 19.4.2010.

5. This sanction order has been noted in the Expenditure Register at S. No.2 on page No.22.

Yours faithfully,

(PREM CHAND)
Under Secretary to the Govt. of India
Phone: 24360707/Extn.1023

P.T.O

Copy is forwarded for information to:-

1. Director of Audit (Scientific departments), AGCR Building, IP Estate New Delhi-11002
2. Chairman and Managing Director, IREDA, 3rd Floor, August Kranti Bhawan, Bhikaiji Cama Place, New Delhi – 110 066.
3. Heads of Regional Test Centers (Madurai, Vallabh Vidyanagar, Indore, Pune and Jadavpur University).
4. Director General, Bureau of Indian Standard, Manak Bhavan, 9-Bahadurshah Zafar Marg, New Delhi -02.

Internal distribution:-

1. PS to Minister
2. PSO to Secretary, MNRE
3. PS to AS&FA
4. JS(GS) /JS (HK)
5. All Advisers in MNRE
6. Dir (SR)/ Dir.(Fin.) / CA, MNRE / US(F) / SO(ST)
7. Cash Section
8. Sanction folder.

(PREM CHAND)

Under Secretary to the Govt. of India

No. 3 / 1 / 2007/UICA (SE)
Government of India
Ministry of Non-conventional Energy Sources
(Urban, Industrial and Commercial Group)

**Block NO. 14, CGO Complex,
Lodi Road, New Delhi-110 003**

Dated: 18th August, 2008

To

Heads of State Nodal Agencies
Municipal Commissioners, State Utilities,
IREDA / Financial Institutions &
BIS/MNRE approved manufacturers/Suppliers

Subject: Implementation of the programme on “Accelerated development and deployment of solar water heating systems in domestic, industrial and commercial sectors” during 2008-09 & 2009-10

Sir,

I am directed to convey the sanction of the Government of India for implementation of the programme on “Accelerated development and deployment of solar water heating systems in domestic, industrial and commercial sectors” during 2008-09 & 2009-10 as per the details given below:

1.0 Objective

The main objective of the programme is to promote the widespread use of solar water heaters in the country through a combination of financial and promotional incentives, and other support measures so as to save a substantial amount of electricity and other fossil fuels apart from having peak load shavings in cities and towns.

2.0 Physical Targets

An indicative target of 1.4 million sq. m. of collector area has been set for 2008-09 & 2009-10. The target will be achieved by providing interest/ capital subsidy to the users of solar water heaters, incentive to motivators & BIS/MNRE approved manufacturers/suppliers, support for organizing seminars/ symposia/ workshops/ business meets/ exhibitions, training programmes, publicity and awareness campaign, technology up-gradation and studies/ surveys, etc. Support will also be provided to Municipalities/ Municipal Corporations that adopt and notify the modifications to their building bye-laws for making the installation of solar water heating systems mandatory in certain categories of buildings and/or provide rebate in property tax to the users of solar water heaters. Support will be available to Electricity Boards/ Utilities also that announce rebate in electricity tariff to such users in their monthly bills.

3.0 Scheme Provisions

The interest/ capital subsidy to the users of solar water heaters will be available up to 31st March, 2010, whereafter it will be reviewed for its continuation during rest of the 11th Plan Period. This is subject to any revisions carried out in the provisions from time to time depending upon progress, feedback and market conditions.

4.0 Implementation Arrangements

The interest subsidy scheme will be implemented through IREDA and other Financial Institutions (FIs) e.g. Public/Private Sector banks, Scheduled co-operative banks, RBI approved non-banking financing companies etc. The release of MNRE funds to FIs/banks will be managed by IREDA. Capital subsidy scheme will be operated mainly through State Nodal Agencies. Other activities of the scheme will be implemented by IREDA/ State Nodal Agencies/ Municipal Corporations/ Technical Institutions/ reputed NGOs etc. The Guidelines for implementation of the scheme and financial provisions for various activities are given in the Annexure.

5.0 Monitoring Mechanism

Apart from other promotional activities, State Nodal Agencies will also undertake performance monitoring and data management. Financial institutions and banks involved in disbursing the MNRE support to the users will also set up their own arrangement to closely monitor implementation. They will furnish progress reports and other relevant information to IREDA, who will forward a consolidated report to MNRE on a quarterly basis. The progress of the scheme will also be monitored by the Ministry independently, including third party inspection and reporting.

6.0 Expenditure

An expenditure of Rs. 49.50 Crore is expected to be incurred under the Programme on "Accelerated development and deployment of solar water heating systems in domestic, industrial and commercial sectors" during 2008-09 & 2009-10 which will be met from the allocated budget for Solar Thermal Energy Programme of the Ministry.

7.0 This sanction issues in exercise of delegated powers to this Ministry and with concurrence of IFD vide their sanction no. IFD/SAN/109 /309 /2008-2009 dated 14/8/2008..

Yours faithfully,

(B. K. Trikha)

Under Secretary to Government of India

Phone: 011-24360707, Extn.2234

Copy for information and necessary action to:

1. Director of Audit, Scientific Audit-II, DACR Building. I.P. Estate, New Delhi-110002
2. Sr. PPS to Secretary, MNRE/ PS to MOS/ MD, IREDA
3. Adviser(UICA) / Dir (AKS) / Dir (DN)
4. All Group Heads / Solar Energy Centre
5. AS & FA / Adv(TIFAD)/Dir (F) / US (F) /AO(F) / SO(F)
6. Regional Offices of MNRE/ Regional Test Centers
7. Pay & Account Officer, MNRE
8. Sanction folder
9. Cash Section
10. Director General, Bureau of Indian Standards, Manak Bhawan, 9, Bahadur Shah Zafar Marg, New Delhi-11002

Sd/-

(B.K. Trikha)

Under Secretary to Government of India

Financial provisions and guidelines for implementation of the programme on ‘Accelerated development and deployment of solar water heating systems in domestic, industrial and commercial sectors’ during 2008-09 & 2009-10.

1.0 Interest subsidy

1.1 Incentive to users

Soft loans will be provided @ 2% to domestic users, except in the States of North-East, Sikkim, Himachal Pradesh, Islands, J&K and for new States e.g. Uttaranchal, Chattisgarh and Jharkhand, where interest free loans to domestic users will be available; 3% to institutional users not availing accelerated depreciation; and, 5% to industrial/commercial users availing depreciation. The loans will be available from Indian Renewable Energy Agency (IREDA), public/ private sector banks, scheduled cooperative banks, RBI approved non-banking financing companies, intermediaries of IREDA/ PSU Banks (including approved manufacturers/suppliers) and other public/private financing institutions (FIs).

1.2 Eligibility

The borrowers of soft loans will be eligible for loans up to an amount fixed by the Ministry which will be repayable within a period of five years. Water heating systems comprising both flat plate collectors (FPC) and Evacuated Tube Collectors (ETCs) would be eligible under the Scheme. The manufacturers/ suppliers of systems with FPC should have approval from BIS and those of ETC from MNRE. The list of approved manufacturers/suppliers is available on the Ministry’s website www.mnre.gov.in.

1.3 Implementation

The scheme will be implemented through IREDA and various banks/FIs /Intermediaries with release of funds to be managed by IREDA on behalf of MNRE. IREDA will follow the existing mechanism of implementing the scheme with Banks/ FIs. The funds released in advance to IREDA by MNRE will be based on a concrete plan received from them and are to be placed in a separate account in the form of fixed deposits, with interest accrued to be credited to this account. A running account will also be maintained by IREDA to which the interest subsidy will be debited on the loans availed by the beneficiaries. The accounts will be settled by IREDA with MNRE based on the requisite documents. IREDA and the Banks/ FIs will be provided administrative charges for implementing the scheme.

The banks/FIs will provide loans at prescribed rates to beneficiaries and claim interest subsidy (difference between the lending rate of banks/FIs and MNRE prescribed interest rates) from IREDA after installation of systems. They will maintain a complete list of beneficiaries with relevant details as regards installation of the systems, which will also be provided to IREDA. They will take necessary undertakings from beneficiaries and ensure that no MNRE support, in any form, had earlier been availed /will be availed in future on the installed systems from any financial institution/banks.

1.4 Release of interest subsidy

The Interest Subsidy calculated on upfront basis for the entire loan period, discounted at 6.5% will be released by IREDA to the banks/FIs/Intermediaries on reimbursement basis after installation of the systems and submission of the necessary documents. For the purpose of easy calculation of interest subsidy by the Banks/FIs/Intermediaries and necessary examination by IREDA, a uniform lending rate based on the existing rates of various banks/FIs will be fixed by IREDA in consultation with MNRE.

1.5 Uniform lending rate

A uniform lending rate of 12.5% fixed during 2007-08 for all banks/FIs, will continue, and may be reviewed during 2008-09 and 2009-10, if necessary, keeping in view the revision in RBI rates.

1.6 Settlement of claims with Banks/FIs

The claims for interest subsidy including other related activities will be settled by IREDA on receipt of a Statement of Expenditure duly certified by an authorized signatory from PSU banks and an audited Statement of Expenditure from other financial institutions.

1.7 Advance release to PSU Banks

Interest subsidy may be released in advance to PSU banks by IREDA, subject to receipt of their business plans and past performance. The amount of advance may not exceed 50% of the interest subsidy claims submitted by them for the last financial year. In case of new PSU banks, it may be decided appropriately by IREDA based on their business plans. The advance subsidy may be kept in the form of smaller Fixed Deposits and the interest accrued on the advance will be adjusted while settling the interest subsidy claim. No collateral security may be required from public sector banks for release of interest subsidy in advance. The Banks will follow the procedure prescribed by IREDA for the purpose of maintaining the accounts.

1.8 Intermediary Scheme

In addition to IREDA, PSU Banks may also act as financial institutions for providing loans to its intermediaries (SNAs/ NBFCs/ approved manufacturers/suppliers etc.) who may further on-lend to the users at the prescribed rates by MNRE. Intermediaries will be eligible to get loans at 2% lower interest rate than the prescribed rates for various categories of users. Necessary guidelines in this regard will be provided by IREDA to Banks/ FIs.

1.9 Administrative charges

➤ To IREDA

IREDA will be provided administrative charges towards fund management @ 2% of interest subsidy disbursed to Banks/ FIs and its direct users whereas it will be provided @ 1% of the loan amount disbursed to their intermediaries. They will also be provided support for market development, data management, feedback analysis etc. @ Rs. 100/- per loan disbursed by the FIs/banks/ IREDA and its intermediaries.

➤ **To FIs/ Banks**

- @ Rs. 200/- will be made available to FIs /banks on each loan disbursed to the users towards administrative charges.
- @ 1% of loan amount disbursed to their intermediaries will be made available to PSU banks towards administrative charges.

➤ **To intermediaries**

No administrative charges will be available to intermediaries for on lending loans to the users as they will retain 2% of eligible interest subsidy for various categories of users.

1.10 Incentive to Motivators

Incentive @ Rs. 100/- per sq. m of collector area will be available to motivators/agents of FIs/banks/IREDA and their intermediaries (excluding manufactures/suppliers) against disbursement of loans for attracting potential buyers of solar water heaters. The motivators could be unemployed youth who can work as solar entrepreneurs, the Akshay Urja Shops, for all categories of users of solar water heaters. The State Nodal Agencies (SNAs) may also work as motivators, except for domestic systems. They would be required to register themselves with IREDA/ concerned branches of banks/ FIs in their areas. Employers of IREDA/ Banks & FIs/ SNAs will not be eligible to become motivators. The incentive will be available from Banks, FIs or IREDA as applicable.

1.11 Support to SNAs

Apart from other promotional activities, SNAs will undertake performance monitoring and State-level data management. They will be provided assistance through IREDA @ Rs. 100/- per sq. m of collector area for domestic systems and @ Rs. 50/- per sq. m for industrial/institutional systems installed in their States with at least one visit made by them during the first year of operation of the systems. The list of systems sanctioned should be provided by IREDA on request from SNAs. The release will be made by IREDA after visit of the systems and receipt of a report from the SNAs. 50% advance may also be released to SNAs based on the plan received by IREDA for undertaking the performance monitoring, with balance to be released after receipt of the report.

2.0 Capital subsidy

2.1 To Institutions/ Commercial establishments

Capital subsidy equivalent to upfront interest subsidy @ Rs. 1750/- per sq. m. of collector area to registered institutions (non-profit making) and @ Rs. 1400/- per sq. m. to registered institutions/commercial establishments (profit making) that do not avail soft loans will be available from Banks/FIs under the above mentioned interest subsidy scheme. The systems installed in ESCO mode will also be eligible for capital subsidy.

2.2 To Builders & Developers/ Development Authorities/ Housing Boards etc.

Capital subsidy equivalent to upfront interest subsidy will be available to Builders & Developers/ Development Authorities/ Housing Boards and other such agencies/corporations for incorporating solar water heating systems in housing complexes/

commercial/ institutional buildings. This provision will be available for systems having capacity of 2500 lpd or more :

- Housing complexes : @ Rs. 1900 /- per sq. m.
- Institutional buildings : @ Rs. 1750 /- per sq. m.
- Commercial buildings : @ Rs. 1400 /- per sq. m.

2.3 Implementation

The scheme will be implemented through State Nodal Agencies (SNAs) on reimbursement basis. In specific cases, it may also be implemented by Municipal Corporations or Central/State Government departments/ PSUs. Consolidated claims for reimbursement of capital subsidy for the systems installed during a year may be submitted on half yearly basis.

2.4 Administrative charges

SNAs will be provided administrative charges @ Rs.100/ sq. m. of installed collector area to a maximum of Rs. 5000 per system. The Municipal Corporations, Central/State Government Departments/PSUs will also be eligible to receive similar administrative charges for the claims processed and forwarded by them to the Ministry. In cases, where systems are installed at their own establishments, no administrative charges will be applicable.

3.0 Support for other activities

3.1 Seminars/ Symposia/ Workshops/ Business Meets/ Exhibitions etc

The objective of organizing these activities is to create awareness among different groups of people and develop business on solar water heating systems. These groups will include industrial and commercial users, employees of banks/ financial institutions, bank agents/ private entrepreneurs, Aditya Solar Shops, Builders, Resident Welfare Associations, Municipal Corporations (MCs) etc. The activities may be organized both at district and State levels. Financial assistance on a case-by-case basis upto Rs. 2.0 lakh per event, depending upon number of participants/ duration etc., will be provided for these activities. The proposals developed by various organizations will be submitted to MNRE as per the prescribed format given at **Appendix-I**.

3.2 Training Programme

Development of small businesses for system installation, service and repair will be encouraged. Installers would have to be trained in proper installation and plumbing work involved in the systems, as they will be responsible for their trouble-free operation. Training would also be required for development of entrepreneurs for marketing, business development etc. Training programmes will, therefore, be organized for different stakeholders including trainers, installation and service personnel such as plumbers, mechanics etc. at suppliers/ manufacturers works and also for entrepreneurs. Financial assistance upto Rs. 2 lakhs per programme extending upto one week will be provided on a case-by-case basis for this purpose. The proposals developed by various organizations will be submitted to MNRE as per a prescribed format given at **Appendix-I**.

3.3 Amendment in building bye-laws & announcement of rebate in property tax/ electricity tariff.

A Model Regulation/Building Bye-law for the installation of solar assisted water heating systems in certain categories of buildings (Appendix II) had been circulated by the Ministry of Urban Development to all the States and Union Territories with a request to circulate the same to their local bodies for incorporating it in their building bye-laws. The Model Regulation, when incorporated by the local bodies in their existing building bye-laws, will make it mandatory for several categories of buildings, including residential flats of certain minimum plinth area, to have solar water heating systems.

➤ To Municipal Corporation/ Municipalities

A one-time grant @ Rs. 5 lakhs for municipalities and Rs. 10 lakhs for municipal corporations will be available for those that adopt and notify the modification of their building bye-laws making installation of solar assisted water heating systems mandatory in at least some categories of buildings in their respective areas as per the model Regulation/Building Bye-laws. The grant will also be available to those Municipal corporations/ Municipalities that announce rebate in property tax to the users of solar water heating systems.

➤ To State Utilities

Grant of upto Rs.10 lakhs will also be available to State Electricity Boards/Utilities that announce rebate in electricity tariff to the users of solar water heating systems in their monthly electricity bills.

➤ Submission of Proposals

To avail the above grant, Municipal Corporations/ Municipalities/ State Utilities will have to submit a proposal to the Ministry through respective SNAs giving a tentative Plan for utilizing the assistance alongwith a copy of the Notification / Order which makes use of solar assisted water heating system mandatory or announcement of rebate in electricity tariff.

The financial assistance will have to be utilized by the grantee organization for promotional activities on solar water heating systems such as training, study tours, awareness creation, demonstrations, preparation of brochures/manuals, creating infrastructures for implementing the mandatory provisions/ notifications on rebates in property tax/ electricity tariff etc.

➤ Administrative charges to SNAs

State Nodal Agencies will help Municipal Corporations/ Municipalities/State Utilities in notification of amendment in building bye-laws/ announcement of rebate in property tax/ electricity tariff, and also assist them in preparing the plans for utilization of financial support and its implementation, for which they will be provided Administrative charges @ 1% of the grant provided by MNRE.

3.4 Publicity and Awareness Campaign

➤ To SNAs/ IREDA/ Banks/FIs/ State Utilities/ Municipal Corporations etc.

All possible avenues such as print/ electronic media (audio and visual) and other methods will be utilized to create awareness of the benefits of solar water heating systems

by IREDA/ SNAs/ Municipal Corporations/ State Utilities/Banks/FIs etc. Support of upto Rs. 10 lakhs for campaigns planned for the full year will be made available to them.

➤ **To Industry**

Support will also be available on 50% cost sharing basis up to a maximum of Rs. 5 lakhs to Manufacturer's Associations/ BIS & MNRE approved manufactures for advertisement campaigns based on the detailed proposal received from them. The support will be available on re-imburement basis through IREDA for which advance funds may be made available to IREDA by MNRE. Prior sanction giving details of publicity plan would be required from IREDA by the industry.

3.5 Technology Up-gradation and Exposure Visits Abroad by Industry

In order to promote technology up-gradation in industry, soft loans will be available to manufactures of solar water heating systems for projects involving improvement in technology, expansion in production facilities etc. at a reduced interest rate of 5% through IREDA for a period of 5 years excluding one year moratorium. The interest subsidy calculated on upfront basis at uniform lending rate fixed under soft loan scheme for solar water heating programme and discounted at 6.5 % will be borne by MNRE. Visits abroad by industry delegations, including participation in fairs abroad, to provide exposure to new materials, advanced technology and more efficient manufacturing techniques, will also be supported by MNRE through partial financial assistance on case-by-case basis.

3.6 Miscellaneous Activities

To promote the spread of proven technologies and induction of new technologies, financial assistance will be provided for technology/potential assessment, performance surveys, cost-benefit analysis, environmental impact assessment, consultancy development, market and export development, data base development and management, monitoring and evaluation etc. The support will be limited to Rs. 5 lakhs per project_ to be provided on case-by-case basis. The proposals could be submitted by SNAs/ Municipal Corporations/Technical Institutions/ reputed NGOs/Consultancy Organizations/ Manufactures Associations etc.

4.0 Release of funds and settlement of accounts

4.1 Interest subsidy

Based on the requests received, advance releases will be made to IREDA towards interest subsidy, administrative charges, incentive to motivators, support to SNAs etc. in a phased manner after apportioning the overall targets suitably. The accounts will be settled with IREDA based on the audited statement of expenditure, utilization certificate and progress report received in the prescribed formats given at **Appendices III & V**.

4.2 Capital subsidy

Release of capital subsidy will be made on re-imburement basis after the systems have been installed and commissioned. Respective institutions /establishments/ Builders & Developers/Development Authorities/ Housing Boards etc.. will be required to submit applications to the State Nodal Agencies (SNAs) as per the prescribed format given at **Appendix VI**. Subsidy will be released through the SNAs after due verification of the installations by the concerned SNA and submission of the claims by the SNAs to the Ministry, in a prescribed format given at **Appendix VII**. The claims will be submitted along with audited statement of expenditure for all the installed systems from SNAs indicating total expenditure incurred on each system. Alternatively, the audited statements

of expenditure separately from all the beneficiaries for each system and countersigned by respective SNA indicating the total expenditure incurred may be submitted.

In specific cases, claims may be submitted by the institutions/establishments/ Builders/ Developers etc. to Municipal Corporations or Central/State Government departments, in which case the reimbursement will be made through them.

4.3 Support for Other activities

80% of the funds sanctioned towards support for other activities will be released in advance to the implementing agencies. Balance funds will be released alongwith settlement of accounts based on audited statement of expenditure, utilization certificate and progress report received in the prescribed formats given at **Appendices IV & V**.

5. Achievement of targets

To achieve the target set for 2008-09 & 2009-10, concerted efforts will have to be made by all the manufacturers and implementing institutions to promote solar water heating systems, in general, and in States/specific areas/cities where solar radiation is high and hot-water requirement for various uses is more than six months in a year. Efforts should include organization of seminars/ workshops/ symposia/business meets/ exhibitions, training programmes for creating awareness among different groups of people, rigorous publicity awareness campaign, and other promotional measures such as Notification of modifications in building bye-laws, rebate in property tax etc. by Municipal Corporations/ Local Bodies, announcement of rebate in electricity bills by the State Electricity Boards for users of solar water heaters etc.

Equal importance should to be given to both types of systems based on flat plate collectors and evacuated tube collectors, with choice of a specific type of system and the manufacturer/supplier left to the user. Implementation of projects in ESCO Mode may also be explored where hot water could be offered as energy service without ownership of the installations by the users.

6. Data compilation

Data on cumulative installations on annual basis is at present compiled mainly on the basis of the information provided by the manufacturers and the suppliers of the solar water heating systems. However, the Ministry aims to compile State-wise data on installation of the systems based on the information received from various stakeholders including Manufactures/ Suppliers/ IREDA/ State Nodal Agencies and Banks/FIs. All the stakeholders should send data on installations, as per the prescribed format on a Quarterly basis to the Ministry.

The Ministry has decided to link the website of various Manufacturers/Suppliers with its website www.mnre.gov.in that provide such information on a regular basis. It will be reviewed on quarterly basis and the websites of those manufacturers/suppliers will be de-linked that do not provide the information regularly. Availability of financial support, if any, to manufacturers will also be linked to receipt of such information in the Ministry.

Format for submission of proposals to organize seminars/ symposia/ workshops/
business meets/ exhibitions, training programmes etc.

- 1. Name of Institution organizing the event**
- 2. Type of event to be organized**
- 3. Date(s)/ venue of the event**
- 4. Category of participants with expected No.**
- 5. Tentative programme with topics to be covered (To be enclosed)**
- 6. Budget break up (item-wise)**
- 7. Expected outcome**

Signature with name & seal of the
Head of Implementing organization

Model Regulation / Bye Laws for Installation of Solar Assisted Water Heating Systems in Functional Buildings.

The following provisions are proposed for inclusion in the building bye laws of different States/UTs:

1. **“No new building in the following categories in which there is a system or installation for supplying hot water shall be built unless the system or the installation is also having an auxiliary solar assisted water heating system:**
 - a) **Hospitals & Nursing Homes**
 - b) **Hotels, Lodges, and Guest houses**
 - c) **Hostels of Schools, Colleges, Training Centres**
 - d) **Barracks of armed forces, paramilitary forces and police**
 - e) **Individual residential buildings having more than 150 sq. mt. plinth area**
 - f) **Functional Buildings of Railway Stations and Airports like waiting rooms, retiring rooms, rest rooms, inspection bungalows and catering units**
 - g) **Community Centres, Banquet Halls, Barat Ghars, Kalyan mandaps and buildings for similar use.”**

SCHEDULE ‘.....’

1. Definitions:

i)	“Solar Assisted Water Heating System”	a device to heat water using solar energy as heat source.
ii)	“Auxiliary back up”	electrically operated or fuel fired boilers/systems to heat water coming out from solar water heating system to meet continuous requirement of hot water.
iii)	“New Building”	Such buildings of above said categories for which construction plans have been submitted to competent authority for clearance.
iv)	“Existing Building”	Such buildings which are licensed to perform their respective business.

2. Installation of Solar Water Heating Systems

- a) **New Buildings:** Clearance of plan for the construction of new buildings of the aforesaid categories shall only be given if they have a provision in the building design itself for an insulated pipeline from the rooftop in the building to various distribution points where hot water is required. The building must have a provision for continuous water supply to the solar water heating system. The building should also have open space on the roof top which receives direct sun light. The load bearing capacity of the roof should atleast be 50 kg. per sqm. All new buildings of above said categories must complete installation of solar water heating systems before obtaining necessary license to commence their business.

- b) Existing Buildings:** Installation of Solar Assisted Water Heating Systems in the existing building shall be made mandatory at the time of change of use to above said category provided there is a system or installation for supplying hot water.
- 3. Capacity:** The capacity of solar water heating system to be installed on the building of different categories shall be decided in consultation with the local bodies. The recommended minimum capacity shall not be less than 25 litres per day for each bathroom and kitchen subject to the condition that maximum of 50% of the total roof area is provided with the system.
- 4. Specifications* :** Installation of Solar Assisted Water Heating Systems shall conform to BIS (Bureau of Indian Standards) specification IS 12933. The solar collectors used in the system shall have the BIS certification mark.
- 5. Auxilliary System:** Wherever hot water requirement is continuous, auxiliary heating arrangement either with electric elements or oil of adequate capacity can be provided.

* Vide letter No. 31/1/2005-UICA(SE) dated 28th February, 2008, the Ministry has requested all the Municipal corporations/ Municipalities to allow installation of ETC based solar water heating systems also from Ministry's approved manufacturers in new buildings under mandatory provisions

Consolidated Progress Report & SOE
(To be sent by IREDA to MNRE for settlement of accounts)

Appendix III

Period of Report :

A. Implementation through FIs/Banks :

i) Direct Users

Sr. No.	Name of bank/ FI	No. of beneficiaries availed interest subsidy (X)			Collector area installed (sq. m)			Total upfront subsidy disbursed at respective rates (a)	Administrative charges availed by FIs @ Rs.200/- for (X) beneficiaries (b)	Business through motivators		Incentive provided to motivators* @ Rs.100/sq.m. of collector area installed (c)	Administrative charges to IREDA @ 2% of interest subsidy disbursed to users by FIs/banks (d)	Sub-total (a)+(b)+(c) + (d)
		Domestic users	Institutional users	Commercial users	Domestic users	Institutional users	Commercial users			No. of motivators	Coll. area (m ²)			
1.														
2.														
3.														
													Total (i)	

ii) Through Intermediaries

Sr. No.	Name of bank/ FI	Name of intermediary	No. of beneficiaries availed interest subsidy (X)			Collector area installed (sq. m)			Total upfront subsidy disbursed at respective rates (a)	Administrative charges @ 1% of loan disbursed to intermediary (b)	Business through motivators		Incentive provided to motivators* @ Rs.100/sq.m. of collector area installed (c)	Administrative charges to IREDA @ 2% of interest subsidy disbursed to users by intermediaries (d)	Sub-total (a)+(b)+(c) + (d)
			Domestic users	Institutional users	Commercial users	Domestic users	Institutional users	Commercial users			No. of motivators	Coll. area (m ²)			
1.															
2.															
3.															
														Total(ii)	

Total (i) + (ii) :

* No incentive applicable to motivators in case of manufacturers being the intermediaries

B. Implementation directly by IREDA:

i) Direct Users

Sr. No.	No. of beneficiaries availed interest subsidy (X)		Collector area installed (sq. m)		Total upfront subsidy disbursed at respective rates (a)	Business through motivators		Incentive provided to motivators @ Rs.100/sq.m. of collector area installed (b)	Administrative charges to IREDA @ 2% of interest subsidy disbursed to users	Sub-total (a)+(b)+(c)
	Institutions users	Commercial users	Institutions users	Commercial users		No. of motivators	Coll. area (m ²)			
1.										
2.										
									Total (i)	

ii) Through Intermediaries

Sr. No.	Name of intermediary	No. of beneficiaries availed interest subsidy (X)			Collector area installed (sq. m)			Total upfront subsidy disbursed at respective rates (a)	Administrative charges @ 1% of loan disbursed to intermediary (b)	Business through motivators		Incentive provided to motivators* @ Rs.100/sq.m. of collector area installed (c)	Sub-total (a)+(b)+(c)
		Domestic users	Institutional users	Commercial users	Domestic users	Institutional users	Commercial users			No. of motivators	Coll. area (m ²)		
1.													
2.													
3.													
												Total(ii)	

Total (i) + (ii) :

* No incentive applicable to motivators in case of manufacturers being the intermediaries

C. Support for market development, data management, feed back analysis etc. (Report to be enclosed)

- i) No. of beneficiaries availed interest subsidy from the banks/ FIs & their intermediaries :
 - ii) No. of beneficiaries availed interest subsidy from IREDA & its intermediaries :
-
- Total** :

Support to IREDA @ Rs. 100/- for --- No. of beneficiaries availed interest subsidy

D. Support to SNAs (Report to be enclosed)

Sr. No.	State/ Agency	No. of systems visited during 1 st year of installation		Collector area actually installed (sq.m)		Support provided		Sub-total
		Domestic	Others	Domestic	Others	Domestic @ Rs. 100/sq.m.	Others @ Rs. 50/sq.m.	
1.								
2.								
Total								

E. Grant Total (A+B+C+D) : Rs.

Certified that

- i) The above statement is correct to the best of our knowledge. The statement has been prepared based on the audited documents received from respective FIs/ intermediaries/ SNAs which have been maintained by IREDA.
- ii) FIs/ intermediaries/ have also certified that they have maintained the list of beneficiaries with complete address, phone no. etc. which could be inspected anytime by the officials of MNRE/ IREDA. They have also certified that to the best of their knowledge there is no duplicity in the beneficiary list and the interest subsidy availed by them on the systems installed at their places has not been availed earlier in any form from any of the financial institutions.

(Accounts Officer)

(Signature with name and seal of the Chartered Accountant)

(MD, IREDA)

Appendix IV

Statement of Expenditure

1. Name of activity/ event sanctioned :
by MNRE
2. Type of event sanctioned :
3. MNRE sanction No. & Date :
4. Amount released :
5. Item-wise Statement of Expenditure:

(In Rupees)

Sr. No.	Item	Amount sanctioned	Expenditure incurred
1.			
2.			
3.			
4.			
	Total		

6. Balance to be released :
7. Report on the event (to be enclosed) :

**(Signature with name
& seal of Account Officer)**

**(Signature with name & seal of
Head of Implementing organization)**

**(Signature with name and seal
of the Auditor)**

Utilization Certificate

(To be sent in duplicate to the Ministry of Non-conventional Energy Sources)
for the financial year (from _____ to _____)

1. Title of the Project/Scheme :
2. Name of the organization :
3. Ministry of Non-Conventional energy Sources letter
No. and date of sanctioning the project :
4. Amount brought forward from the previous financial year
quoting Ministry of Non-Conventional Energy Sources
letter No. and date on which the authority to carry forward
the said amount was given :
5. Amount received from Ministry of Non-Conventional Energy
Sources during the financial year
(please give letter No. & date of sanctions showing the amount released) :
6. Total amount that was available for expenditure
(including commitment incurred during the Financial year
(Sr. No. 5 + 6):
7. Actual expenditure (Excluding commitments) incurred during :
the financial year
8. Unspent balance refunded, if any.
(please give details of cheque no. etc.)
9. Balance amount available at the end of the financial year :
10. Amount allowed to be carried forward to the next
financial year vide letter no. and date :

Certified that the expenditure of Rs. _____ (Rupees _____
mentioned against Column 8 was actually incurred on the Project / Scheme for the purpose
for which it was sanctioned and balance amount of Rs. _____ is available on
_____.

**(Signature with name
& seal of project
Incharge)**

**(Signature with name
& seal of /Accounts)
Officer)**

**(Signature with name &
seal of Head of the
organization)**

ACCEPTED AND COUNTERSIGNED

**COMPETENT AUTHORITY
MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES**

Application for reimbursement of capital subsidy on installation of solar water heating systems

(for registered Institutions and Commercial establishments/
Builders & Developers/ Development Authorities/ Housing Boards etc.)

To be submitted by beneficiary to SNAs separately for each system

1.	Name of Institution/Organization/ Commercial establishment/ Builders & Developers/ Development Authorities/ Housing Boards etc with complete postal address, telephone, fax number and e-mail address etc.	:	
2.	Details of Registration in case of Institutions/ Organization/ Commercial establishment (Registration No, where registered etc.).	:	
3.	Whether profit making/Non-profit making	:	
4.	Place of installation of the system	:	
5.	System capacity in LPD and sq. m. of collector area	:	
6.	Type of system installed (FPC/ETC based ; natural/forced circulation)	:	
7.	Date of commissioning of the system	:	
8.	Name of BIS/MNRE approved manufacturer/supplier with complete address, phone no. etc.	:	
9.	Present utility of hot water	:	
10.	Expected amount of fuel saving per year	:	
11.	Total expenditure incurred on the system (Audited statement of Expenditure to be enclosed)	:	
12.	Amount of the capital subsidy sought from MNRE (<i>Rs.1900 per sq. m of collector area to Builders & Developers/ Development Authorities/ Housing Boards etc.; Rs. 1750 to institutions (non- profit making) and Rs. 1400 to institutions/ commercial establishments (profit making)</i>)	:	
13.	Certified that we have not availed any soft loan under MNRE interest subsidy scheme from any of the banks/ FIs and will also not be availing that in future for the above system. We have also not availed any capital subsidy on this system earlier from MNRE till date.		

Date

**Signature with name and Seal of
Head of beneficiary organization**

Annexure-VII**Format for reimbursement of capital subsidy on installation of solar water heating systems**

(To be submitted by SNA to MNRE on consolidated basis)

Institutions (non- profit making)						
Sr. No.	Name of Institution with address	Place of installation	Date of Commissioning of system	Collector area installed (sq. m.)	Amount of subsidy sought @ Rs.1750 per sq. m	Service charges @Rs. 100 per sq. m.
1.						
2.						
Sub-total (A)						
Institutions/ Commercial Establishments (profit making)						
Sr. No.	Name of Institution with address	Place of installation	Date of Commissioning of system	Collector area installed (sq. m.)	Amount of subsidy sought @ Rs.1400 per sq. m	Service charges @Rs. 100 per sq. m.
1.						
2.						
3.						
Sub-total (B)						
Builders & Developers/Development Authorities/ Housing Boards etc.						
Sr. No.	Name of Institution with address	Place of installation	Date of Commissioning of system	Collector area installed (sq. m.)	Amount of subsidy sought @ Rs.1900 per sq. m	Service charges @Rs. 100 per sq. m.
1.						
2.						
Sub-total (C)						
Total(A+B+C)						

Certified that the above facts in case of each beneficiary and the information given by them in **Annexure I** have been verified by us and are found to be correct. Copies of **Annexure I** furnished by each applicant are enclosed alongwith Audited statement of expenditure* for all the installed systems indicating total expenditure incurred on each system.

**Signature with name and Seal of
Head of State Nodal Agency**

Date

* Alternatively, audited statements of expenditure separately from all the beneficiaries for each system and countersigned by respective SNA indicating the total expenditure incurred may be enclosed

