

No.3/2/2008-UICA (SE)
Government of India
Ministry of New & Renewable Energy

Block No.14, CGO Complex,
New Delhi, dated **28th April 2010**

To
The Pay & Accounts Officer,
Ministry of New and Renewable Energy,
New Delhi-11003.

Subject: - Continuation of the Scheme on “Promotion of Solar Thermal Systems for air-heating/Steam generating applications, Solar buildings and Akshay Urja Shops” for implementation during the financial year 2010-11.

Sir,

In continuation of this Ministry's earlier sanction order of even number dated 1st June, 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 “**Promotion of Solar Thermal Systems for air-heating/Steam generating applications, Solar buildings and Akshay Urja Shops**” during 2010-11 at a total budget outlay of Rs.10.00 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be the same as contained in the sanction order No 3/2/2005-UICA(SE) dated 26th July 2005, till such time the same is superseded by fresh/modified scheme to be formulated and implemented during remaining period of the 11th Plan.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 (excluding the Solar Building component) as per the guidelines contained in the aforesaid sanction order dated 26th July 2005, as amended from time to time, 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:01-ST, SPV & other RE Systems, 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 dated 27.04.2010, vide their Dy. No. IFD/115/2010-11 dated 20/04/2010 and competent authority's approval dated 28.04.2010
5. This sanction order has been noted in the Expenditure Register at S. No.6 on page No.1-2.

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. Secretaries of State Departments, Heads of State Nodal Agencies, Municipal Corporations.
4. Solar Energy Centre and Heads of all other Authorised Test Centres (viz Regional Test Centers at Madurai, Vallabh Vidyanagar, Indore, Pune and Jadavpur University).
5. 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/Dir. (AKS)/ Dir.(RR)/Dir.(SR)/ Dir.(P&C)/Dir.(Fin.)/CA, MNRE
6. US(F)/PSO(AN)/SO(ST)
7. Dir.(NIC) to upload this on the Ministry's website.
8. Cash Section
9. Sanction folder.

(PREM CHAND)
Under Secretary to the Govt. of India

No.3/2/2008-UICA(SE)
Government of India
Ministry of New & Renewable Energy

Block No.14,CGO Complex,
New Delhi, dated 1st June 2009

To

Heads of State Nodal Agencies,

Subject:- Continuation of the scheme on “Promotion of Solar Thermal Systems for air heating/steam generating applications, solar buildings and Akshay Urja Shops” for implementation during the year 2009-10.

Sir,

I am directed to convey the sanction of the President for implementation of the scheme on “Promotion of Solar Thermal Systems for air heating/steam generating applications and Akshay Urja Shops” during 2009-10 at a total outlay of Rs.3.95 crore which also includes provisions for Solar Cities. The Solar Building component of the scheme has been taken out from the above mentioned scheme and has been modified into a separate scheme for implementation. 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.3/2/2005-UICA (SE) dated 26th July 2005, as amended from time to time, until 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 (excluding the Solar Building component) as per the guidelines contained in the aforesaid sanction order dated 26th July 2005, as amended from time to time, till further order.

3. The expenditure on above scheme will be met from the budget head - Demand No.67; Major Head:2810-Ministry of New & Renewable Energy; 103-Renewable Energy for Urban, Industrial & Commercial Applications; 01-ST, SPV & Other RE systems; 31-Grants-in-aid (Plan) during the year 2009-10.

4. This issues in exercise of powers delegated to this Ministry and with the concurrence of IFD vide their sanction Dy.No.IFD/289/09, dated 29th May 2009.

Yours faithfully,

(PREM CHAND)
Under Secretary to the Govt. of India

...2/-

Copy is forwarded for information to:-

1. PS to Minister
2. Sr.PPS to Secretary, MNRE
3. PS to AS&FA
4. Jt.Secy. (P&C)/Jt.Secy. (HK)
5. All Advisers in MNRE
6. Dy.Secy.(Fin.)/Dir.(AKS)/Dir(SR)/Dir(RR)
7. CA, MNRE
8. IFD, MNRE
9. All Regional Officers under MNRE.
10. Cash Section
11. Senction folder.

(PREM CHAND)
Under Secretary to the Govt. of India

No.3/2/2005/UICA(SE)
Government of India
Ministry of Non-conventional Energy Sources
[Urban Industrial and Commercial Applications]

Block No. 14,CGO Complex
Lodi Road, New Delhi--110003

Dated: 26th July, 2005

To

Secretaries of State Departments
Heads of State Nodal Agencies
Municipal Corporations

Subject: Implementation of the scheme on “Promotion of Solar Thermal Systems for air heating/ steam generating applications, Solar Buildings and Akshay Urja Shops” during the financial year 2005-06

Sir,

I am directed to convey the sanction of the President for implementation of the scheme on promotion of solar thermal systems for air heating/ steam generating applications, Solar Buildings and Akshay Urja Shops during the financial year 2005-06.

2. Objectives

The objectives of the Scheme are :

- i) To accelerate widespread use of solar thermal systems for air heating and steam generating applications, as well as use of solar passive techniques in building design, through a combination of financial and promotional incentives.
- ii) To reduce/conserves the consumption of conventional energy through saving of electricity and fossil fuels in buildings, industrial and commercial establishments.
- iii) To support the creation of a network of retail outlets in form of “Akshay Urja Shops” in all the districts for sale and service of solar energy and other renewable energy products.

3. Programme on Solar thermal systems for air heating/ steam generating applications

3.1 Following solar thermal systems will be promoted under the programme:

- a) Solar flat plate collector (FPC) based air heating systems
- b) Solar concentrating systems for heating air/ generating steam directly or through heating of oil.

3.2 *FPC based Solar air heating systems* have been found to be very useful especially in the agricultural and food industries. These industries generally require hot air at low temperature (50-80⁰C) as process heat for drying of various products such as tea leaves/ coffee beans and also for processing of fruits, spices, cereals, mushroom, papad, vegetables, fish, seafood etc. Hot air is also required in industries such as leather, textile, chemicals, rubber, paper, pharmaceuticals etc. FPC based air heating systems installed in industries using conventional fuel for drying of various products can save a significant amount of fuel apart from improving the quality of end product and reducing the environmental pollution.

3.3 *Solar concentrating systems* comprising of Parabolic dishes commonly known as “Scheffler” dishes have been found to be useful for generating steam to cook food for hundreds and thousands of people in community kitchens especially at religious places such as Shridi, Mount Abu, Thirupati etc. The Worlds largest system is functioning at Thirupati for cooking food for 15000 people per day. These systems, apart from steam generation can also be used for heating oil/ air for various applications in industries and commercial establishments where heat requirement is above 80⁰ C. The systems installed in such establishments including kitchens can help in saving substantial amount of conventional fuels apart from reducing the environmental pollution.

3.4 The programme will provide for financial support for installation of the systems as well as support for organizing publicity and awareness campaign, seminars, workshops/ symposia/ business meets/ training programmes and for technology upgradation, studies, survey etc. The details of the financial provisions and guidelines for implementation of the programme are given at **Annexure I**.

4. Solar Buildings Programme

4.1 Solar buildings are constructed based on the techniques of solar passive design with a view to provide comfortable living and working conditions, both in winter and in summer. Such energy efficient buildings can save significant amount of conventional energy that is used for lighting, cooling or heating. These buildings have been tried out in a few States as a result of the initiatives taken by the Ministry. Govt. of Himachal Pradesh have made it mandatory to construct all its future buildings using passive design features.

4.2 The programme will provide for financial support for preparation of Detailed Project Reports (DPRs) and construction of solar buildings apart from organizing workshops and seminars for engineers, planners, builders, architects, consultants, housing financing organizations and potential users. Support will also be extended for compilation and publishing of documents related to solar buildings. The details of the financial provisions and guidelines for implementation of the programme are given at **Annexure II**.

5. Programme on Akshay Urja Shops

5.1 The Ministry has been promoting the establishment of Aditya Solar Shops in major cities of the country since 1995 with a view to make solar energy products easily available and to provide easy after sales repair services. During the 9th Plan period, shops were established by the State Nodal Agencies/ Manufacturer’s Associations and reputed NGOs. During the 10th Plan, private entrepreneurs have also been allowed to establish these shops. Under the present scheme the shops will

be renamed as “Akshay Urja Shops” with a view to cover wider sale and service of all renewable energy devices and systems including solar energy products. The network of the shops will be expanded by encouraging private entrepreneurs and NGOs to set up and operate such shops in all districts of the country.

5.2 The programme will provide for higher support to the shops in terms of soft loans through banks and monthly recurring grant and incentive for first two years of operation. The details of the financial provisions and guidelines for implementation of the programme are given at Annexure III.

6. Targets

The following targets have been set for the year 2005-06:

- FPC based Solar Air Heating Systems : 6,000 sq.m. of collector area (minimum 25 systems)
- Solar Concentrating Systems : 4,000 sq.m. of dish area (minimum 15 systems)
- Demonstration Solar Buildings : 10 buildings in at least eight States.
- Akshay Urja Shops : 200 shops in at least 10 States

7. Implementation arrangements

The scheme will be implemented through State Nodal Agencies/ IREDA/ Technical Institutions/Reputed NGOs of proven track record. Central Financial Assistance (CFA) to various implementing organizations for implementing these programmes will be released as per the guidelines given in the respective **Annexures**, and the accounts will be settled after receipt of detailed report and audited SOEs and UCs **as per Annexure IV & V.**

8 Monitoring Mechanism

The Implementing Agencies will set up arrangements to closely monitor the implementation of their projects covered under the scheme. The agencies will furnish progress reports and other information to MNES on a quarterly basis. In addition Regional Offices of MNES will be involved in monitoring the implementation and performance of the systems. The progress of the scheme will also be monitored by the Ministry independently, including third party inspection and reporting.

9 Expenditure

The expenditure under the scheme will be met from the overall allocated budget for various activities under the Solar Thermal Energy Programme during 2005–2006.

10 The provisions of the scheme are likely to be continued during 2006-2007.

11 This sanction issues in exercise of delegated powers to this Ministry and with concurrence of IFD vide their sanction no. IFD/SAN/106/172/2005-2006 dated 26.07.2005.

Yours faithfully,

-Sd-
(Dilip Nigam)
Principal Scientific Officer
Phone: 24360707; Extn. 2233

Copy for information and necessary action to:

1. The Managing Director, IREDA
2. Director of Audit, Scientific Audit-II, DACR Building. I.P. Estate, New Delhi-110002
3. PS to MOS
4. Sr. PPS to Secretary, MNES
5. AS & FA / Dir (F) / US (F) /AO(F) / SO(F)
6. All Group Heads / Solar Energy Centre
7. Adviser(UICA) / Dir (AKS) / PSO(DN)
8. Regional Offices of MNES
9. Regional Test Centres
10. Cash Section
11. Pay & Account Officer, MNES
12. Sanction folder

-Sd-
(Dilip Nigam)
Principal Scientific Officer
Phone: 24360707; Extn. 2233

Financial provisions and guidelines for implementing the programme on Solar thermal systems for air heating /steam generating applications in industries, commercial establishments and institutions

A. Central Financial Assistance (CFA)

a) CFA for installation of systems

- 50% of the cost of system, subject to a maximum of Rs. 5000 per sq. m of dish area for solar concentrating systems, and Rs. 2500 per sq. m. of collector area for FPC based solar air heating systems/ dryers will be provided to non-profit making institutions/organizations.
- 35% of the cost of system, subject to a maximum of Rs. 3500/-per sq. m of dish area for solar concentrating systems, and Rs. 1750 per sq. m. of collector area for FPC based solar air heating systems/ dryers will be provided to commercial/industrial organizations (profit making and claiming depreciation).

The systems will be installed at places where conventional fuel is already being used for the required purpose. The minimum eligible size of the system will be 50 sq. m. of collector area.

b) Service charges to implementing agencies (Not for own use)

- @ 3% of MNES support will be provided to implementing agencies (State nodal agencies/ Technical institutions/ reputed NGOs) for installation of the systems.

c) Other activities

- **Publicity and awareness** ; Awareness about the benefits of the systems will be created using print and electronic media through IREDA and SNAs. Upto Rs. 10 lakhs support will be provided on case-by-case basis. MNES will also directly organize publicity campaigns.
- **Seminars/ workshops/ symposia/ business meets etc:** For organization of such events at State and National levels, financial assistance on a case-by-case basis upto Rs. 2.0 lakh per event, will be provided.
- **Training programmes for installers, entrepreneurs etc:** Development of business for system installers, service and repair personal 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 by SNAs/ IREDA in association with suppliers 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.

- **Technology Upgradation** : In order to promote technology upgradation in industry, soft loans will be provided to manufactures at a reduced interest rate of 5% through IREDA. The loans will be provided only for projects involving advanced and new technologies which would lead to lower costs of production, improved performance and reliability of the products, etc
- **Studies, Surveys, etc.:** To promote the spread of proven technologies and induction of new technologies, financial assistance will also be provided to SNAs/ IREDA/ Technical institutions/ reputed NGOs/ other organizations for technology assessment, potential assessment, performance surveys, cost-benefit analysis, environmental impact assessment, consultancy development, market 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.

B. Submission of proposals and release of CFA

a) Installation of systems

The proposals developed by respective beneficiaries in association with implementing agencies based on cost & technical details received from various suppliers will be submitted to MNES in the prescribed format given in **Appendix I (a)**.

After sanctioning of the project, 80% of Central Financing Assistance (CFA) will be released in advance to non-profit making institutions/organizations and the balance on completion of the projects including performance as per proposal details alongwith settlement of accounts based on detailed performance report for a period of atleast 3 months and audited SOE & UC received in the Ministry. As regards profit making organizations, the CFA will be released on reimbursement basis after submission of requisite documents.

b) Other Activities

The proposals will be submitted by respective organizations including SNAs/ IREDA/ Technical institutions/ reputed NGOs etc. in the prescribed format given at **Appendix-I (b)**. 50% of the CFA will be released in advance on merit and the balance on completion of the activity/ project with audited SOE and UC received in the Ministry as per **Appendix IV and V**.

**Financial provisions and guidelines for Implementation of
Solar Building Programme**

A. Solar Buildings

- **Preparation of DPRs** : CFA @ 50% of the cost of the DPR, subject to a maximum of Rs. 2 lakhs, will be provided for preparation of DPRs, including detailed building plan and architectural drawings for public/ private institutional buildings. A maximum of 10 DPRs will be supported in each State, with the CFA being released on reimbursement basis. The DPRs should normally contain information as per format given at **Appendix-II(a)**. The proposals generated will be routed through SNAs who will ensure that the DPRs prepared are actually resulted in construction of solar buildings. 50% of the CFA sanctioned will be released on completion and submission of DPRs to MNES alongwith SOE and the balance after commencement of building construction as per the DPR. Before submitting the proposals, the SNAs in consultation with PWD/ other related Govt. bodies will, certify that the cost of the DPR is reasonable.
- **Demonstration Solar Buildings** : Support for construction of demonstration solar buildings will be provided by the Ministry up to 10% of the cost of construction, subject to a maximum of Rs. 50 lakhs for each project. The support will be available for the buildings of State Nodal Agencies and other public/Govt. buildings. Active solar systems installed in the buildings will not be covered under the scheme. Two buildings will be supported in each State, with initial release of 25% of CFA and further releases based on the utilization of funds and the progress made on buildings as per DPR. The proposals will be submitted by the SNAs alongwith DPR and certified cost of construction of the building from PWD/other related Govt. bodies.

B. Promotional Activities

- **Workshops and seminars** :Support will be provided to hold workshops and seminars for creating awareness, generating public interest and providing inputs about the technology to engineers, planners, builders, architects, consultants, housing financing organizations and potential house owners. Orientation courses will also be supported for architects and builders to motivate them for adopting solar efficient building techniques. Upto Rs. 2 lakhs will be provided for National-level and State/ divisional level programmes on case-by-case basis.
- **Publications** : Support will be provided for compilation and publishing of documents on solar buildings which include popular literature, books and manuals for architects and designers, promotional material in different languages etc.; award competition for energy efficient buildings; and, formulation of design guidelines for energy efficient buildings, preparation of manuals, information brochures, etc., will be supported upto Rs. 2.0 lakhs per activity on case-by-case basis.

The proposals on above promotional activities could be generated by SNAs/ IREDA/ Technical institutions/ Govt. bodies/ Associations etc. and

submitted to MNES in the format given at **Appendix-I (b)**. 50% of the CFA sanctioned will be released in advance on merit and rest on progressive achievements/ completion of the activities with detailed reports and other documents received in the Ministry.

Financial provisions and guidelines for implementation of the programme on Akshay Urja Shops

A. Financial Support for new shops

a) Setting up of Akshay Urja Shops (one per district)

- Soft loan at an interest rate of 7% to a maximum of 85% of the cost of establishment of the shop subject to a maximum of Rs. 10 lakhs will be provided from public sector banks and scheduled co-operative banks, repayable over a period of five years.
- Monthly recurring grant of Rs. 5,000/- per month towards manpower, electricity, telephone bills and other miscellaneous expenses.
- An incentive of Rs. 5,000/- per month based on minimum turnover of Rs. 50,000/- per month during the first year and Rs. 1,00,000/- per month during the second year of operation (the shops will not be eligible for any incentive for a particular month if the turnover is below the minimum amount).

(Eligibility for recurring grant or incentive will be worked out on the basis of the turnover for each six-month period. If the six-monthly turnover falls below Rs. 1.5 lakh during the first year, or Rs. 3.0 lakh during the second year, the shops will not be eligible for any grant or incentive. The payments towards grant and incentive will be released by the State Nodal Agencies on reimbursement basis after every six months. These will be available to the new shops for a period of 2 years after their establishment.)

The above support will be available subject the guidelines followed by the shops as given in **Appendix-III(a)**.

b) Service charges to Implementing agencies

The scheme will be implemented through the State Nodal Agencies, with the interest subsidy provided by the banks being administered through IREDA. Following service charges will be provided to them for establishment of the shops :

- @ Rs. 50,000 per shop to SNAs with at least 50% of the amount to be utilized towards publicity of the shop.
- @ 2% to IREDA on the interest subsidy (maximum of 4%) disbursed to the banks on upfront basis. The discount rate will be decided by MNES in consultation with IREDA
- @ Rs. 5,000 per loan disbursed to the banks through IREDA.

B. Submission of proposals and release of CFA

The applicants for in opening a shop will contact the concerned State Nodal Agency (SNA) and develop proposal for Akshay Urja Shops in the format given at **Appendix-III(b)**. The proposals received by the SNA from various districts will be

consolidated and submitted to MNES in the format given at **Appendix-III(c)**. After MNES sanctions a shop, the beneficiary may approach the designated banks in his district for availing loan at a subsidized interest rate of 7%. The MNES interest subsidy to be provided to the banks will be routed through IREDA. IREDA will intimate the list of banks participating in the programme to all State Nodal Agencies and the District Advisory Committees (DACs) on renewable energy formed in the country. DACs may recommend proposals for their districts which may be considered by the SNAs while sending their recommendations to MNES at the time of submission of proposals. The proposals for various districts will be submitted by the SNAs in a consolidated form, but not more than twice in a year.

C. Release of CFA and settlement of accounts

- 50% of the proposed monthly recurring grant and the incentive to be given to the shops during their 1st year operation will be released after SNAs inform about establishment of the shops. The SNAs, will release this grant and the incentive to the shops on reimbursement basis after every six month block period as per the scheme provisions. Further CFA will be released to SNAs based on the documents received from them as per **Appendix III (d)**, maximum twice a year for the block period April to September and October to March. The accounts will be settled based on the audited SOE as per **Appendix III (d)** and UC as per **Appendix V**. As regards service charges to SNAs, 50% of the eligible amount will be released after establishment of the shops and balance on receipt of report about publicity activities supported and actual expenditure details..
- Interest subsidy on upfront basis debited by the banks on loans sanctioned to beneficiaries will be released on reimbursement basis after establishment of the shops along with service charges to IREDA and banks based on progress report, SOE and UC received from IREDA.

Appendix- I(a)

Format for submission of project proposal to MNES for financial support for installation of Solar thermal systems for air/oil heating or steam generating applications

1.	Name of establishment with complete postal address, telephone, fax number and e-mail address for correspondence purpose.	:	
2.	Purpose for which the solar system is to be installed	:	For air heating/ steam generation/ oil heating
3.	Ultimate application of hot air/steam generated from solar system	:	
4.	Details of existing system for required application	:	
5.	Present fuel consumption per year	:	
6.	Details of system proposed to be installed at beneficiary's premises	:	
	i) Place of installation	:	
	ii) Type of system proposed (FPC based air heating/ solar concentrating system)	:	
	iii) Dish/Collector area to be installed (sq.m)	:	
	iv) Total area required for installation of the system (sq.m)	:	
	v) Shade free area available at the premises from 9 AM to 5PM (sq.m)	:	
7.	Comparative statement on cost details and technical specifications of proposed system from various suppliers	:	(To be enclosed)
8.	Name and address of supplier identified for installation of the system	:	
9.	Details of the project report prepared by the identified supplier (Report will include the technical specifications of various components and their life period)	:	To be enclosed alongwith supplier's past experience on such system, if any

10.	Expected outcome from proposed installation in terms of fuel savings & heat delivery with detailed energy calculations.		
11.	Item wise budget break up (including AMC for 5 years)		
12.	MNES support sought as per the scheme provisions		
13.	Proposed means of balance financing		
14.	<p>Commitments from the beneficiary</p> <ul style="list-style-type: none"> i) We will bear the remaining (apart from the MNES support) cost as per details in para 13 above. ii) We will not dismantle the system at any stage without prior written permission of MNES 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. 		

Date

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

Facts examined and verified by

**(Signature with name and seal of
Implementing Organization)**

Appendix-I (b)

a) Format for submission of proposals for organizing seminars/ symposia/ workshops/ 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 :
5. Tentative programme with topics to :
be covered (copy to be enclosed)
6. Budget break up (item-wise) :
7. Expected outcome :

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

b) Format for submission of proposals for organizing publicity and awareness campaign/ publication of documents

1. Name of Institution organizing the :
activity
2. Type of activity to be organized :
3. Details of activities to be organized :
4. Budget break up (item-wise; :
supporting documents for arriving
at the figures to be provided)
5. Expected outcome :

**Signature with name & and seal of
Head of Implementing organization**

SOLAR BUILDINGS PROGRAMME

CONTENTS OF THE DETAILED PROJECT REPORT FOR A SOLAR BUILDING

Format for preparation of Details Project Report (DPR) of building using concepts of solar architecture will be as per following:

- Climatic Data,
- Climatic Classification,
- Climatic Analysis,
- Strategies of planning and design,
- Specific architectural features for using solar energy and improving the energy efficiency of the building, with necessary details, drawings etc.

Estimated cost of the building and the cost of the additional architectural features mentioned above.

Guidelines for Establishment of ‘Akshay Urja Shops’

MNES has been promoting the establishment of Aditya Solar Shops in major cities. These shops will now be called as “**Akshay Urja Shops**” with a view to cover sales and service of all renewable energy devices and systems including solar energy products, and will be established as per the following guidelines:

- i) The shop will carry out the following functions:-
 - Sale of different renewable energy and energy efficient devices;
 - Repair and servicing of renewable energy devices;
 - Dissemination of information on renewable energy devices/ systems; and,
 - Facilitate individuals/companies to go in for renewable energy devices.
- ii) The shop will have a minimum covered area of 200 sq.ft. (excluding storage). It will either be constructed/purchased/renovated. Shops on rent will not be eligible for Govt. support.
- iii) The shop shall be located in the prime and easily accessible part of the city. It will have a common name all over the country. The name with ‘Akshay Urja Shop’ will be displayed on a glow sign board of at least 8’x3’ size. The name of the shop may start with a different word, say, the name of the owner and may be called as “.....Akshay Urja Shop”
- iv) The shop will have decent aesthetics and will be well illuminated to attract the customers.
- v) The shop will have a minimum of two employees. At least one of them should be a technical person having knowledge of repair and maintenance of renewable energy devices. The MNES will assume no liability towards the staff deployed in the shops.
- vi) The shop shall function on normal business lines and is expected to earn revenues from their operation..
- vii) The shop shall provide repair & servicing facility not only for the products being sold by the shop but also for other renewable energy products/devices installed/procured from any other source at reasonable price
- viii) The shop shall operate as a customer-friendly outlet. Rigid or inconvenient timings and indifferent service should be avoided.
- ix) The shop will display different models of renewable energy devices/systems from various manufacturers so that the customer can procure the items of his choice .
- x) The price list of the items to be sold in the solar shop will be properly displayed / made available to the public. The shop will also disseminate information on these devices/systems to the people visiting them.
- xi) To make the solar shops a commercially viable entity, the shop may sell energy- efficient items, such as compact fluorescent lamps (CFL), lighting accessories, high efficiency kerosene stoves etc. in addition to the items related to renewable energy.
- xii) For benefit of the customers, the shop will establish a linkage with banks providing soft loans for various renewable energy products.

**Performa for submission of proposal by owner for establishment of
Akshay Urja shops to State Nodal Agencies**

1. Name of the proposed Shop :
2. Complete address of the location of the shop proposed to be established :
3. Name of the person establishing the shop :
4. Present Address of the applicant with phone, fax & e-mail address :
5. Educational Qualification of Applicant :
6. Financial standing of applicant :
7. Whether any Akshay Urja Shop already exists in the concerned district, if yes, please provide details. :
8. Details of the shop to be established :
 - i) Whether to be constructed/ purchased/ renovated (Details of covered area/owner of the land/building to be given)
 - ii) Proposed covered area of the shop with and without storage
 - iii) Anticipated expenditure on establishing the shop (provide item-wise break-up)
 - iv) Means of financing for the shop (whether any loan is proposed to be taken from bank)

Certified that above mentioned details for the Akshay Shop are true and correct to the best of my knowledge. The guidelines given by the Ministry of Non-Conventional Energy Sources (MNES), New Delhi for establishment of Akshay Urja Shop are acceptable to us. We hereby undertake to follow these guidelines and run the shop satisfactorily after the receipt of financial assistance from MNES.

Place:

Date:

(Signature of the applicant for Akshay Urja Shop)

Recommendation of DAC, if any :

Appendix-III(c)

**Proposal for establishments of Akshay Urja Shops in various districts of the
State of**
(To be submitted by SNAs)

Sr. No.	District	No. of proposals received*	Recommended beneficiary by DAC/ SNA	Shop's address	Whether to be constructed/ purchased/ renovated	Qualification & financial standing of Owner	Loan to be taken/ not to be taken	Anticipated Expenditure on shop
1.								
2.								
3.								
4.								

*copies of proposals as per Appendix III (b), without enclosures, to be attached

Certified that the information provided by the applicants for above shops have been verified and the SNA will ensure that the shops follow the Guidelines of MNES as given in Appendix III(a) of this Administrative Approval (2005-06).

**(Signature with Name & Seal of
Head of State Nodal Agency)**

SOE on Akshay Urja Shops sanctioned during 2005-06

For block period (April to September/ October to March)

Sr. No.	District	Name & place of the sanctioned shop	Date of establishment of shop	Status on expenditure/ turnover		Eligible recurring grant* (a)	No. of months for which the shop was found eligible for incentive	Eligible incentive on turnover @ Rs. 5000/- (b)	Recurring grant & incentive paid to the shop (a) + (b)
				Turnover made	Actual recurring expenditure incurred				
Total									

* @ Rs. 5000/- p. m. or actual recurring expenditure incurred during the block period whichever is less

- | | | |
|------|---|---|
| i) | Amount available with the State Agency after settlement of last account till. | : |
| ii) | Recurring grant and incentives paid to the shops on reimbursement basis for block period | : |
| iii) | Balance to be released if any/ money remaining with SNA | : |
| iv) | Further advance requested for next block period of six months including service charges, if any
(Report on publicity activities to be enclosed) | : |

Certified that above statement as regards turnover and recurring expenditure incurred by the shops during the specified block period has been verified by the officials of State Nodal Agency, and is correct to the best of our knowledge.

Signature of Accounts Officer

**Signature with name & seal of Head of
the State Nodal Agency**

Signature with Name & Seal of Auditor

Statement of Expenditure

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

(In Rupees)

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

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

**(Signature of
Account Officer**

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

**(Signature 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 paid)
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 of project
Principal Investigator)**

**(Signature of
Registrar/Accounts Officer)**

**(Signature of Head
of the organization)**

ACCEPTED AND COUNTERSIGNED

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