

Ministry of New and Renewable Energy

**Jawaharlal Nehru National Solar Mission
(Off-grid and Decentralized Solar Applications)**

**Format for Submitting Project Proposals for installation of Solar Photovoltaic
(SPV) lanterns, home lights, street lights power plants on Individual Households
and SPV Water Pumping Systems**

**(SPV system capacity of each Power Pack/ Plant from 100 Wp to 1kWp)
(Maximum SPV Water Pumping System capacity each: 5 kWp)**

PART-A: General Details of the Project

1. Title of the Project :

Total SPV Capacity (kWp)

2. Name of the Project Proponent :

Name, Designation and full address of the Authorised Person for correspondence with telephone No. Fax & Email (Web site, if any)

| | |
|---|--|
| Name and Category of Project Proponent a) Renewable Energy Service Providing Company (RESCO) b) Financial Institutions (Banks, NBFCs, MFIs) c) Financial Integrator d) System Integrator e) Program Administrator (State Nodal Agency/Public Sector Undertakings) | |
|---|--|

3. Executive Summary of the Proposal:

4. Benefits of the project (lighting, water pumping, diesel savings/ others, if any)

PART-B: Details of the Project site, Beneficiaries and SPV systems

1. Details of Project site: (State, District/ City, Block, Panchayat, Village)

**For Solar Lanterns, Home Lighting Systems, Solar Street Lighting Systems
(CFL/ LED)**

| S. No. | State | District | Block | Village Panchayat | Village | Type and model of PV System | No. of Systems |
|--------|-------|----------|-------|-------------------|---------|-----------------------------|----------------|
| 1 | | | | | | | |
| 2 | | | | | | | |
| 3. | | | | | | | |

| | | | | | | |
|-------|--|--|--|--|--|--|
| Total | | | | | | |
|-------|--|--|--|--|--|--|

For SPV power packs/ standalone power plants from 200 Wp to 1000 Wp capacity

| S. No. | State | District | Name of the beneficiary | Postal Address of the beneficiary with phone/mobile no. | PV array Capacity of the System (Wp) | Type and capacity of Battery (V &Ah) | Inverter capacity (VA) |
|--------|-------|----------|-------------------------|---|--------------------------------------|--------------------------------------|------------------------|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| Total | | | | | | | |

Please provide a line diagram for each power pack/ plant

For Water Pumping Systems upto 5 kWp

| State and District | Name of the beneficiary | Postal Address of the beneficiary with phone/mobile no. | Purpose (Drinking/ Irrigation) | Total Head in meters | Water requirement (lpd) | PV array Capacity of the System (Wp) | Tracking System (Yes/ No) | Type of Pump (Surface / Submersible) |
|--------------------|-------------------------|---|--------------------------------|----------------------|-------------------------|--------------------------------------|---------------------------|--------------------------------------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | | | | | | | | |

PART C: Operation and Maintenance Arrangements

- Details of Operation and Maintenance Arrangements.
- Training of operation and maintenance staff/ beneficiary
- Arrangements for battery replacement
- Information about the Service Center near to installation sites (Name and address and telephone/ mobile number, customer care number)

PART D: Project Duration and Implementation Schedule

- completion schedule with milestones

PART E: Estimated Project Cost and Financing Details.

Tentative Cost Break-up of SPV Systems:

| S. No. | Systems | Cost in Rupees | | | | | | Total |
|--------|-----------------------------|----------------|---------|-----------------------------|-----------|------|-------------------|-------|
| | | Module/ Array | Battery | Charge Controller/ Inverter | Luminaire | Pump | Balance of System | |
| i. | Solar lantern | | | | | | | |
| ii. | Home Lighting System | | | | | | | |
| iii. | Street Lighting System | | | | | | | |
| iv | SPV Power Pack/ Power Plant | | | | | | | |
| v | Solar Water Pumping System | | | | | | | |

Details of Project cost

| S. No. | Systems | Unit Cost (Rs.) | Quantity (No.) | Total Cost (Rs. in Lakh) |
|--------|--|-----------------|----------------|--------------------------|
| i. | Cost of Systems Hardware | | | |
| ii. | Cost of transportation and insurance | | | |
| iii. | Cost of civil works and electrical works | | | |
| iv | Cost of installation and commissioning | | | |
| v | Cost of Annual Maintenance for 5 years | | | |
| vi | Cost of Battery replacement | | | |
| vii | Any other related costs | | | |
| | Total Cost | | | |

Means of Finance

| | | |
|----|-----------------------------------|-----|
| a) | CFA from MNRE | Rs. |
| b) | Contribution of Beneficiaries | Rs. |
| c) | Contribution of Project Proponent | Rs. |
| d) | Other Source (s) of Funding | Rs. |
| e) | Soft Loan assistance, if any | Rs. |
| | Total | Rs. |

PART F: ANY OTHER INFORMATION

Declaration and Certificate (To be furnished by Implementing Agency)

1. It is certified that I/we have read the guidelines issued by the Ministry vide 5/23/2009/P&C dated 16th June, 2010 and the related provisions/terms and conditions for availing central financial assistance (CFA) from the Ministry of New and Renewable Energy and I agree to abide by these guidelines and related terms and conditions.
2. It is to confirm that the present proposal in full or part has not been submitted / has been submitted to any other agency for seeking support (In case proposal has been submitted to any other agency or under consideration all details and a copy of the proposal must be submitted along with the present proposal).
3. This is to certify that the various components of the SPV systems/ power pack/ plant/ pump will conform to the Relevant Standards, as mentioned in the Guidelines for Off-grid and Decentralized Solar Applications (Annexure-3) for SPV modules and components under JNNSM. Copies of the Relevant IEC/ BIS Certificates should be enclosed.
4. Failure to comply with these guidelines will result in denial of CFA by the Ministry.
5. I agree to put photograph of the system and beneficiary on my website for all systems above 1 kW.

It is to confirm that in case of any dispute, the decision of Secretary, Ministry of New and Renewable Energy, Government of India will be final and binding on all.

Signature _____

Name & Designation of Authorized Signatory* of Implementing Agency

Place:

Date:

*Authorized signatory should be in the rank of General Manager of SNA/PSU or MD/CEO/Director in case of Channel Partner.

CERTIFICATE
(To be furnished by SNA/PSU/Channel Partner)
(Only for Solar Pump, Power Pack/ Power Plant)

This is to certify that Shri..... (name & designation) of..... (organization) visited the proposed site on (date) ... and found that there issqm. of south facing shadow free area is available at the site for installation of the solar pump/ power pack/ power plant. The latest Photograph of the front view of the proposed site with date is enclosed with the certificate. After installation photograph will be taken in same view and will be submitted with completion report.

Signature _____
Name & Designation
of Authorized Signatory*
of SNA/PSU/Channel Partner

Place:

Date:

* Authorized signatory should be in the rank of General Manager of SNA/PSU or MD/CEO/Director in case of Channel Partner.