

**Ministry of New and Renewable Energy**

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

**Format for Submitting Project Proposals**

**Stand Alone SPV Power Plants (Maximum SPV Capacity: 100 kWp each)**

1. Title of the Project :
2. Name of the Project Proponent :
3. Socio- Economic Justification of the Project:
4. Benefits of the proposed project:

**PART-A: Details of the Project Proponent**

I	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	
ii	Name, Designation and Address of the Authorized Representative for correspondence with telephone no, fax & email	
iii	In case of Channel Partner other than Programme Administrator, the following information will be provided: a) Whether commercial or non-commercial. b) Copy of Articles of Association, Registration No. & Date; PAN/ TAN No. c) Audited Balance Sheet for last three years d) Annual Report of previous year e) Whether MNRE has earlier sanctioned any SPV projects for implementation to the Project Proponent, if yes, please furnish information	
iv	In case of 1 (e), Please indicate: a) Government Department, Autonomous Institution set up by Central/ State Government, State renewable Energy development agency, Public Sector Undertaking b) Others	

## **PART-B: Details of the Project**

### **1. Summary of the Proposal:**

### **2. Details of Project site:** (State, District/ City, Block, Panchayat, Village/ Hamlet, Building/ Institute and accessibility to site)

- Existing DG set Capacity, if any.
- Monthly/ Annual Diesel consumption.

### **3. Details of Project Beneficiaries**

### **4. Details of Proposed Power Plant**

- I. Proposed capacity of the SPV Power Plant
- II. Availability of shadow free land area for the power plant
- III. Details of loads to be energized by Power Plant, calculations and justification for the proposed capacity and expected annual energy generation
- IV. Output Voltage of the Power Plant
- V. Storage battery capacity
- VI. Building for housing the battery bank and plant control systems
- VII. Distribution Network (if any)
- VIII. Expected reduction in diesel consumption, if any

<b>System Components</b>	<b>Make and Model</b>	<b>Capacity</b>	<b>Numbers</b>	<b>Indigenous/ Imported</b>
<b>PV Module</b>				
<b>Charge Controller/ Inverter</b>				
<b>Power Conditioning Unit</b>				
<b>Storage Battery Bank</b>				
<b>Performance Data Acquisition System</b>				
<b>Other components</b>				

## **PART C: Implementation Schedule**

- **Major Monitorable Milestones**
- **Project Commissioning Timeline**

**PART D: Performance Monitoring Mechanism:**

Performance Data Monitoring (Daily, Monthly and Annual energy generation , logging, compilation and sharing with MNRE)	
Monthly monitoring of reduction in diesel consumption, if any.	
Own Mechanism	
Third Party	
Remote Monitoring (for SPV power plants having capacity above 5 kWp)	

**PART E: Project Cost and Financing Details.**

<ul style="list-style-type: none"><li>i. Cost of Systems Hardware</li><li>ii. Cost of transportation and insurance</li><li>iii. Cost of civil works and electrical works</li><li>iv. Cost of installation and commissioning</li><li>v. Cost of Annual Maintenance for 5 years</li><li>vi. Any other related cost</li></ul>	
<b>Total Cost of Power Plants</b>	
<b>Total kWp SPV Capacity</b>	
Means of Finance <ul style="list-style-type: none"><li>a) Contribution of Project Proponent</li><li>b) Contribution of Beneficiaries organization</li><li>c) Envisaged CFA from MNRE</li><li>d) Other Source (s) of Funding (capital grant)</li><li>e) Envisaged Soft Loan assistance, if any</li><li>f) Whether funds are in surplus or deficiency</li></ul>	
Details of Project Revenue recurring, if any	
Project Duration	

**PART F: Operation and Maintenance Arrangements**

- Details of Operation and Maintenance Arrangements.

- Arrangements for Generation Data Collection (applicable for SPV Power Plants having more than 10 kWp capacity). Details of monitoring equipment proposed to be installed and method of supplying data to MNRE/ designated agency.
- Method of monitoring of reduction in diesel consumption, if any.
- Strategy for training of the O & M Personnel of the Beneficiary Organization

**PART G: Declarations and Certificates**

- A. It is certified that I/we have read the guidelines issued by the Ministry vide 5/23/2009/P&C dated 16<sup>th</sup> June, 2010 and the related provisions/terms and conditions for availing financial support from the Ministry of New and Renewable Energy and I agree to abide by these guidelines and related terms and conditions.
- B. I understand that failure to comply by these guidelines may result in denial of financial support by the Ministry.
- C. I 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 alongwith the present proposal).
- D. I confirm that I will not submit the same proposal or a part thereof to any other funding agency, without prior knowledge of the Ministry of New and Renewable Energy.
- E. I confirm that the share of project proponent/beneficiaries shall not be lower than 20% in any circumstances. Projects owned by the Programme Administrators are exempt from this condition.
- F. I confirm that the proposed solar PV system(s) have not been installed/supplied at the proposed sites or to the proposed beneficiaries, prior to the receipt of project sanction letter from the Ministry.
- G. There is no duplication in the proposal and the submitted proposal is the only proposal by the proponent and to the best of my / our knowledge no other organization has submitted any proposal for the systems at these site(s) to MNRE for financial support.
- H. A detailed site survey has been done/or will be undertaken to identify the beneficiaries before actual supply and installation takes place.
- I. This is to certify that the various components of the SPV power plant 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.
- J. It is mandatory to provide technical performance specifications of each component of the power plant proposed to be installed under the project. And for which the performance will be warranted.
- K. All technical parameters and warranty requirements must meet or exceed the requirements mentioned in the guidelines issued by the Ministry.

I 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**

**Seal**

Place:

Date: