

हितग्राही द्वारा आवेदन करने का प्रारूप

प्रति,

निदेशक
छत्तीसगढ़ राज्य अक्षय ऊर्जा विकास अभिकरण (क्रेडा),
प्रधान कार्यालय, रायपुर (छ.ग.)

आवेदन दिनांक:

हितग्राही
का
नवीनतम
फोटोग्राफ

विषय:-..... के क्रय/स्थापना पर अनुदान की स्वीकृति हेतु आवेदन।
महोदय,

क्रेडा के वर्ष के लिए जारी मार्केट मोड योजना के अन्तर्गत मैं अपने निवास/कार्य स्थल पर मेसर्स
..... द्वारा सौर संयंत्र की स्थापना, केन्द्र शासन की वित्तीय सहायता एवं
छत्तीसगढ़ राज्य के अनुदान के साथ कराना चाहता/चाहती हूँ। इस संबंध में आवश्यक विवरण निम्नानुसार है :-

1	आवेदक का नाम :-	
2	पिता/पति का नाम :-	
3	आवेदक का प्रकार (व्यक्ति/संस्था) :-	
4	स्थापना स्थल :-	
5	विकासखण्ड :-	
6	जिला :-	
7	दूरभाष क्रमांक :- (अनिवार्य)	
8	ई-मेल पता यदि हो तो :-	
9	आवेदक का वर्ग (अ.जा./अ.ज.जा/सामान्य) :-	
10	बैंक खाता क्रमांक :-	
11	बैंक का नाम एवं शाखा :-	
12	आई.एफ.एस.सी. कोड :-	
13	आधार कार्ड क्रमांक :- (अनिवार्य)	
14	पैन कार्ड क्रमांक यदि हो तो :-	
15	बिजली बिल मीटर क्रमांक	
16	प्रस्तावित भूमि का खसरा नम्बर (सोलर पम्प स्थापना हेतु)	
17	कुल रकबा (हेक्टेयर में) (खसरे एवं ऋण-पुस्तिका की प्रमाणित छायाप्रति संलग्न करें)	

मैं, मेरे पते के प्रमाण स्वरूप उपरोक्तानुसार प्रपत्र संलग्न कर रहा हूँ। कृपया निम्नानुसार सौर संयंत्र की स्थापना पर मेरे पक्ष में राज्य एवं केन्द्र शासन का अनुदान नियमानुसार स्वीकृत करने कि कृपा करें :-

1	संयंत्र प्रकार	
2	संयंत्र क्षमता	वॉट / कि.वॉट / एच.पी.
3	बैटरी क्षमता एवं मेक	
4	सोलर मॉड्यूल क्षमता एवं मेक	
5	इन्वर्टर क्षमता एवं मेक	----- kVA, ---- Volt, -----मेक
6	कंट्रोलर क्षमता एवं मेक (पम्प हेतु)	
7	पम्प क्षमता एवं मेक (पम्प हेतु)	--- HP, -----मेक, AC/DC, Surface/Submersible

संयंत्र की स्थापना उपरान्त संयंत्र की सुरक्षा तथा रखरखाव की जवाबदारी मेरी होगी। संयंत्र के प्रदायकर्ता तथा उनके उत्पादों की दर का चयन मेरे द्वारा किया गया है। जिसमें तकनीकी वारंटी अवधि वर्ष शामिल है। संयंत्र में किसी प्रकार की क्षति अथवा मेरी असावधानी के कारण संयंत्र में आयी खराबी के लिए मैं स्वयं जिम्मेदार रहूँगा। क्रेडा की बिना अनुमति के मैं संयंत्र विस्थापित/स्थानांतरित नहीं करूँगा। क्रेडा द्वारा समय-समय पर जारी नीति एवं दिशानिर्देशों का मैं पालन करूँगा।

इकाई द्वारा संयंत्र के संबंध में निम्न जानकारी दी गई है:-

संयंत्र लागत समस्त व्यय एवं 05 वर्षीय रखरखाव सहित	प्रस्तावित राज्य अनुदान	प्रस्तावित केन्द्र अनुदान	मेरे द्वारा इकाई को देय राशि
₹	₹	₹	₹

सोलर फोटोवोल्टाईक संयंत्र हेतु रुपये 2/- प्रतिवॉट के मान से आवेदन शुल्क आवेदन के साथ जमा कराया जा रहा है। मेरे पते तथा मेरे नाम से क्रेडा से अनुदान प्राप्त करने हेतु मैं मेसर्स को अधिकृत करता/करती हूँ।

1. पहचान पत्र की छायाप्रति

2. पते के प्रमाण की छायाप्रति

3. आधार कार्ड की छायाप्रति

4. बिजली बिल की छायाप्रति

5. बैंक पास बुक की छायाप्रति

6. भूमि का खसरा/रकबा एवं कार्य स्थल का नक्शा

7. 01 कि.वॉ. से अधिक क्षमता के संयंत्र हेतु इंजीनियरिंग डॉक्यूमेंट अनिवार्य है

आवेदक का हस्ताक्षर

Format for submission of proposal to MNRE for Central & State Financial Assistance for installation of Solar Photovoltaic Power Plant
(Note: Beneficiary should sign on all the three pages of the format & also on the enclosures to be attached)

1.	Name of establishment authorized contact person with complete postal address for correspondence purpose	
2.	Whether profit making / non-profit making	
	Certificates/relevant documents pertaining to the category of beneficiary is attached here with: (i) PAN (ii) TIN /TAN (iii) Registration Certificate under which the firm/organization is registered (iv) Copy of the address proof of proposed location of installation of SPV power plant	
3.	Total sanctioned and connected load by State Electricity Board	
4.	Details of inverter installed with capacities, if any.	
5.	Load on inverter during off grid/load shedding in KW	
6.	Average hours of power cut during day time	
7.	Detail of system proposed to be installed at beneficiary's premises	
	7.1. Place of installation	
	7.2. Capacity of SPV panels proposed to be installed (in KWp).	
	7.3. Battery storage proposed (voltage & Ah @ C 10)	
	7.4 Capacity of PCU proposed in KVA	
	7.5. Other major components/sub systems proposed to be installed.	
	7.6. Total shadow-free roof area and earmarked for installation of the system.	
	7.7 Room availability Control Room	
	7.8 The load to be connected to the proposed SPV power plant is attached here with as Annexure- I	
8.	Detailed Project Report	Enclosed
9.	Item wise budget break-up of project cost (equipment, civil works, installation and commissioning charges etc.	Details are provided in the enclosed DPR.
10.	MNRE support as per the scheme provision.	@ ----- per watt, that is ` _____ _____ for proposed _____ KW Solar power plant.
11.	Means of financing of balance system cost.	
<u>Declarations and Certificates</u>		
<p>A. 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 financial support from the Ministry of New and Renewable Energy and I agree to abide by these guidelines and related terms and conditions.</p> <p>B. I understand that failure to comply by these guidelines may result in denial of financial support by the Ministry.</p> <p>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 along with the present proposal).</p> <p>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.</p>		

- E. 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.
- F. 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.
- G. A detailed site survey has been done to identify the actual supply and installation.
- H. This is to certify that I am aware 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 shall be enclosed.
- I. I am /we are aware that it is mandatory to provide technical performance specifications of each component of the power plant proposed to be installed under the project & for which the performance will be warranted.
- J. All technical parameters and warranty requirements must meet or exceed the requirements mentioned in the guidelines issued by the Ministry.
- K. We will bear the remaining cost of the SPV Power Plant over & above the Central Financial Assistance (CFA) as per detail at S.No. 10 above.**
- L. We will not dismantle/shift the system at any stage without prior written permission of CREDA.
- M. We will regularly and properly maintain the system and submit quarterly performance report for a minimum period of one year from the date of installation through the implementing agency.
- N. We will take Comprehensive Operation & Maintenance Contract for a period of at least 5 years from the day of commissioning of proposed SPV power Plant.
- O. We are enclosing at least three photographs of the proposed site along with the DPR.

I confirm that in case of any dispute, the decision of Director, CREDA, Raipur will be final and binding on all.

Date: -

Place:-

Signature of Beneficiary

Name :- _____

Address:- _____

(Seal of establishment and designation)

Annexure I

Load Description	Capacity of Load in KW	Numbers	Total Load connected in KW	Number of Hours of Operation	Total Kwh
TOTAL Load Connected					
Total expected per day power to be consumed by connected load in kwh					
Total expected per day generation through SPVPP in Kwh					
Total expected grid power to be consumed through PCU of SPVPP in kwh					

Note: The copy of the electricity bills of the beneficiary for last twelve months is enclosed herewith. In case the site is office then the expected power consumption on holidays are to be assessed, separately.

Ministry of New and Renewable Energy

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

**Format for Submitting Project Proposals for installing
Standalone SPV power plant of maximum capacity 100 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 Address of the Authorized Representative
for correspondence with telephone No. Fax & Email (Web site, if any) :

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

3. **Executive Summary of the Proposal**

4. Benefits of the project (electricity to households, buildings, other utilities, diesel savings/ others, if any)

PART-B: Details of the Project

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

2. Details of Project Beneficiary/ organization

Head of the organization, Name of the contact person with full address, phone, mobile and e-mail

3. Details of Proposed Power Plant

- i. Proposed capacity of the SPV Power Plant (kWp)
- ii. Availability of shadow free south facing land area for the power plant with photograph
- iii. Details of loads to be energized by Power Plant (kW)
- iv. Calculations and justification for the proposed capacity (Please elaborate)
- v. Expected annual energy generation
- vi. Building for housing the battery bank and plant control systems

4. Details of electrical load where the Plant is to be installed

- i. Total Electrical load (kW)
- ii. Total electrical load to be met by the SPV power plant (kW)
- iii. Lighting/ fans/ computers (nos and capacity)
- iv. Water Pumping load (drinking/ irrigation water supply), if any
- v. Other appliances
(Time duration for supply of power for each category of load and Load management details should be provided)
- vi. Any other load

5. Technology Description & System Design /Specification

- i. Line diagram of the complete System with details
- ii. Capacity/ Power of each PV Module (kWp)
- iii. Number of modules and total array capacity (nos. & kWp)
- iv. Solar cell technology and Module efficiency proposed to be used
- v. Details of Tracking of PV Array (if proposed)
- vi. Designed peak power of PV power plant/project (kWp)
(Please provide design details to justify the capacity of the plant to meet the proposed loads)
- vii. PCU/inverter capacity with detailed specifications (kVA)
(Details of quality of output power)
- viii. Number of PCU/inverters proposed to be used
- ix. DC Bus voltage
- x. Capacity of battery bank (Current, Voltage and kWhr)
- xi. Type of battery proposed

- xii. Operational limits of the system
 - xiii. Details of protections to be deployed on PV array and AC output side
 - xiv. Details of Metering, Indication, Data logging operation
 - xv. Pre-paid meters to be used, if any.
 - xvi. Schematic diagram of the system including protecting interlocking devices, monitoring and data logging points to be provided.
 - xvii. Details of training of manpower to be provided for successful operation of the plant.
- (Compliance to BIS/IEC Standards is mandatory).

6. Details of Building to install the Battery Bank, Electronics And Control Panel

- i. Whether any existing building is to be used as control room, if so, details to be provided.
- ii. If a new building is to be constructed, area, estimated cost and layout, etc to be provided and time frame to construct the building.

Notes:

- 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.
- All technical parameters and warranty requirements must meet or exceed the requirements mentioned in the guidelines issued by the Ministry.

PART C: Operation and Maintenance Arrangements

- Details of Operation and Maintenance Arrangements.
- Arrangements for Generation Data Collection through remote monitoring (applicable for SPV Power Plants having more than 10 KWp capacity).
- Is dedicated staff being trained for O&M of the plant?
- No. of personnel to be trained in O&M

PART D: Project Duration and Implementation Schedule

- completion schedule with milestones

PART E: Monitoring Mechanism:

- Details of Data Monitoring on Daily, Monthly and Annual energy generation (Data logging and compilation and sharing with MNRE)

Costing of Project.

S. No.	Systems	Unit Cost (Rs.)	Quantity (No.)	Total Cost (Rs. in Lakh)
1.	Cost of Systems Hardware			
2.	Cost of transportation and insurance			
3.	Cost of civil works and electrical works			
4.	Cost of installation and commissioning			
5.	Cost of Annual Maintenance for 5 years			
6.	Cost of Battery replacement			
7.	Any other related costs			
	Total Cost			

Means of Finance

1.	Envisaged Central Financial Assistance from MNRE	Rs.
2.	Contribution of Beneficiaries	Rs.
3.	Contribution of Project Proponent	Rs.
4.	Other Source (s) of Funding	Rs.
5.	Envisaged Soft Loan assistance, if any	Rs.
	Details of Revenue to be collected with payback period	

PART H: 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.