



Madhya Pradesh Urja Vikas Nigam Limited

Expression of Interest (EOI)

For

Claiming Central and/or State Subsidy for Solar Rooftop System
Installed in the State of Madhya Pradesh

EOI No: MPUVN/SPVPP/2018-19/2543 dated: 10/09/2018

Issued by:-

Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL)

Urja Bhawan Link Road No. 2, Shivaji Nagar, Bhopal – 462016

Telephone No.: +91-755-2553595, 2556566, 2767270

Fax No: 91-755-2553122

E-Mail: mupvn.spvmm@gmail.com

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Madhya Pradesh Urja Vikas Nigam Limited

Urja Bhawan Link Road No. 2, Shivaji Nagar, Bhopal – 462016

Tel. No.: +91-755-2553595, 2556566, 2767270

website: <http://www.mprenewable.nic.in>, Email: mpuvn.spvmm@gmail.com

EOI No. - MPUVN/SPVPP/2018-19/2543

Dated: 10-09-2018

Madhya Pradesh Urja Vikas Nigam Limited, (MPUVNL) calls for Expression of Interest from System Integrators/Beneficiaries to apply for claiming Central and/or State Subsidy for Solar Rooftop System installed in the State of Madhya Pradesh.

The last date for submission of Application under the above referred EOI is 10/10/2018. All Applications shall have to be submitted on or before 10/10/2018. Application submitted beyond this date shall not be considered. The Applicant shall have to ensure submission of desired documentation in totality before the above mentioned due date. The complete EOI document can viewed and downloaded for submission from MPUVNL website <http://www.mprenewable.nic.in>.

Superintending Engineer

Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL)

Urja Bhawan Link Road No. 2, Shivaji Nagar,
Bhopal – 462016

Telephone No.: +91-755-2553595, 2556566,
2767270

Fax No: 91-755-2553122

E-Mail: mpuvn.spvmm@gmail.com

CALL FOR EXPRESSION OF INTEREST FOR CLAIMING CENTRAL AND/OR STATE SUBSIDY FOR SOLAR ROOFTOP SYSTEM

I. BACKGROUND

The Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL) is an implementing agency (MPUVNL) for implementation of ‘Grid Connected Rooftop and Off-Grid Small Solar Power Systems’ in the State of Madhya Pradesh. The Government of India has set a target of 2,200 MWp of Grid-Interactive Rooftop Solar PV Systems by 2022. These rooftop solar PV plants are also to be set up in residential, commercial, industrial and institutional sectors in the State. MPUVNL is inviting application from Systems Integrator(s) of Grid Connected / Off-Grid Rooftop Solar Systems Developer(s) or Beneficiary (Owner of the System(s)) who have installed and Completed/Commissioned the System, to avail Central and/or State Subsidy.

II. APPLICABILITY

This EoI is applicable for Grid Connected / Off-Grid Rooftop Solar Systems Developer(s) (“System Integrators”) or Beneficiary/Owner of the System(s) (Applicant(s)) who have installed Grid Connected / Off-Grid Rooftop Solar Rooftop System (“System(s)”) between 23rd March 2017 and 31st March 2018 in Social (institutions run by registered society/trust and are operating on non-profit basis) and Residential sector, and have not availed Central Subsidy. Applicant is required to have installed and commissioned the System(s) under EPC mode. System Integrators must be responsible for at least 5 years of Comprehensive Operation and Maintenance, including insurance and warranty, of the products/equipments (“CMC”).

In case if any System Integrator(s)/Beneficiary of the System has already submitted request to this effect in any of the offices of MPUVNL for release of Subsidy, they would be required to submit documents afresh to the Head Office of MPUVNL at Bhopal as per the formats and application form given with this EoI. Further, any earlier application/request submitted to MPUVNL for consideration of applicable Central and/or State Subsidy towards installed System(s) shall not be treated as a claim for Subsidy under this EoI.

Applicant shall be required to submit application (System Integrator or Beneficiary) in the format *annexed as Annexure I* (for Residential sector) and *Annexure II* (for Social sector), as applicable (document required in support of installation) on or before 10/10/2018.

System(s) in which indigenously manufactured mono/polycrystalline Solar PV modules are used, as prescribed by MNRE, are applicable for Subsidy.

III. RELEASE OF SUBSIDY

MPUVNL shall release Subsidy as give below to eligible Applicant(s).

Calculation of Applicable Subsidy in INR per kWp for the **Social Sector** is given below:

All the values are in INR/kWp

Size of System	MPUVNL Standardized Rates	MNRE Benchmark Cost	Central Subsidy ¹	State Subsidy ²
Off-Grid				
Min: above 1 kWp Max: up to 4 kWp	1,20,000	1,35,000	0	0
Min: above 4 kWp Max: up to 10 kWp	1,17,000	1,08,000	0	21,600
Grid Connected				
Min: above 1 kWp Max: up to 4 kWp	72,980	70,000	21,000	0
Min: above 4 kWp Max: up to 10 kWp	67,000	70,000	20,100	13,400
Min: above 10 kWp Max: up to 25 kWp	62,161	65,000	18,648	12,432
Min: above 25 kWp Max: up to 50 kWp	57,274	65,000	17,182	0
Min: above 50 kWp Max: up to 100 kWp	55,501	65,000	16,650	0
Min: above 100 kWp Max: up to 500 kWp	55,528	60,000	16,658	0

* Central subsidy and State subsidy shall be computed on the lowest of MNRE's benchmark cost for FY 2017-18 or MPUVNL's standardized rate or actual cost of the System.

Calculation of Applicable subsidy in INR per kWp for the **Residential Sector** is given below:

¹ Applicable Central subsidy is 30% of MNRE's benchmark cost for FY 2017-18 or MPUVNL's standardized rate or actual cost, whichever is lower;

² State Subsidy of 20% of MNRE's benchmark cost for FY 2017-18 or MPUVNL's standardized rate or actual cost, whichever is lower and applicable only for project capacity > 5 kWp and < 25 kWp;

All the values are in INR/kWp

Size of System	MPUVNL Standardized Rates	MNRE Benchmark Cost	Central Subsidy ¹	State Subsidy ²
Off-Grid				
Min: above 1 kWp Max: up to 4 kWp	1,20,000	1,35,000	0	0
Min: above 4 kWp Max: up to 10 kWp	1,17,000	1,08,000	0	0
Grid Connected				
Min: above 1 kWp Max: up to 4 kWp	72,980	70,000	21,000	0
Min: above 4 kWp Max: up to 10 kWp	67,000	70,000	20,100	0
Min: above 10 kWp Max: up to 25 kWp	62,161	65,000	18,648	0
Min: above 25 kWp Max: up to 50 kWp	57,274	65,000	17,182	0
Min: above 50 kWp Max: up to 100 kWp	55,501	65,000	16,650	0
Min: above 100 kWp Max: up to 500 kWp	55,528	60,000	16,658	0

* Central subsidy and State subsidy shall be computed on the lowest of MNRE's benchmark cost for FY 2017-18 or MPUVNL's standardized rate or actual cost of the System.

In case System is installed under Net-metering, MPUVNL shall withhold 20% of the cost of the System, i.e., the lowest of (i) benchmark cost as approved by MNRE for FY 2017-18, (ii) rate discovered in MPUVNL's EPC tender no. MPUVN/SPVPP-NM/1-500 kWp/2016-17/3135 dated 11th May 2016 ("EPC Tender" annexed as *Annexure III*) or (iii) actual cost paid by the Beneficiary to System Integrators, and will release the same when net-metering is done.

Applicant shall be required to submit the document (such as Net-Metering agreement/ Commissioning certificate by concerned Discom/ Electricity bill of subsequent month in which commissioning occurred) in support for installation of net-meter.

Applicant should note that Subsidy will be released in Beneficiary's account directly through electronic transfer.

IV. SUBMISSION OF DOCUMENTS

For release of Subsidy, Applicant shall be required to submit all the self-attested documents along with application form within thirty (30) days from the issue date of EoI:

- a) Application form duly filled in the specified format annexed as Annexure I (for Residential Sector) or Annexure II (for Social Sector).
- b) Proof of Payment in the form of, Cheque / E-Transfer / Demand Draft/ Bank Statement/ Confirmation receipt from System Integrator on 100% payment/any other.
- c) Signed copy of Agreement (signed between Beneficiary and System Integrator(s)) or Work Order, if available.
- d) O-PBG of desired value in the form of FDR or BG.
- e) Copy of registration of Beneficiary as a society/trust, if applicable.
- f) Power of Attorney in favor of Authorized Signatory required from System Integrator;
- g) Duly filled Inspection cum Completion/ Commissioning report (annexed as Annexure V).
- h) Electricity bill of the subsequent month in which System is installed and commissioned.
- i) If details of System have been uploaded on SPIN portal, then documents related to the same should be submitted.

Further, Applicant shall be required to submit Inspection cum Completion/ Commissioning report duly signed by Authorised MPUVNL's officer, Beneficiary and System Integrator within one week from Inspection date for the release of Subsidy.

V. OPERATION PERFORMANCE BANK GUARANTEE (O-PBG)

The Applicant shall be required to furnish, along with the Application (as mentioned in Section IV), O-PBG from a nationalized/ scheduled bank, of value equivalent to 20% of MPUVNL's Standardized rate for specific size of System /MNRE benchmark cost/Actual Cost, whichever is lower, in form of:-

FDR in favour of Madhya Pradesh Urja Vikas Nigam Limited, Bhopal;

OR

Bank guarantee as per prescribed format (annexed as *Annexure VI*);

Validity for O-PBG shall be five (5) years with claim period of six (6) months from the date of successful installation and commissioning of such Systems, as mentioned in

application submitted by Applicant.

In case Application is not accepted, MPUVNL shall return the O-PBG to Applicant within thirty (30) days of submission of signed Inspection report or Applicant's request for withdrawal of application, whichever is earlier. In such situation, Applicant shall not be eligible for Subsidy.

In case, any Applicant (either System Integrator or Beneficiary) does not provide O-PBG of the desired value to MPUVNL, 20% of cost of the System i.e., the lowest of (i) benchmark cost as approved by MNRE for FY 2017-18, (ii) rate discovered in MPUVNL's EPC Tender or (iii) actual cost paid by the Beneficiary to System Integrators, shall be released within ninety (90) days after successful completion of 5 years from the date of successful installation and commissioning of such System as mentioned in Application form.

VI. SYSTEM COMPLETION NORMS AND PERFORMANCE MONITORING MECHANISM

The Applicant has to perform and exhibit minimum CUF of the System to be eligible for Subsidy. The minimum CUF required at the time of System inspection by the authorized MPUVNL officer is explained below.

A. Inspection cum Completion/Commissioning of the System(s)

The Applicant shall be eligible for the Subsidy, if the System delivers Capacity Utilization Factor ("CUF") of at least 15%, adjusted for seasonality as indicated in Article 3.21 of EPC Tender (restated below), for one (1) day.

Month	kWh generation in 1 day per kWp System
January	3.71
February	4.14
March	4.33
April	4.27
May	3.99
June	3.30
July	2.56
August	2.33

Month	kWh generation in 1 day per kWp System
September	3.21
October	3.89
November	3.90
December	3.56

B. Performance monitoring

- a) During the 5 years of CMC period, the System Integrator and Beneficiary shall maintain a CUF of 15% for each year of the Contract Period, subject to annual de-rating mentioned in point below. Penalty on System Integrator and Beneficiary on non-achievement of desired CUF in any year shall be as per EPC Tender. However, cap on total penalty for non-achievement of desired CUF in the remaining period of the CMC of the System(s) is full O-PBG value.
- b) The CUF for Systems shall be calculated, and allowing de-rating of output of SPV modules of not more than 1% per year, implying shortfall in CUF shall not be more than 0.15% per year from the date of Completion. In case, System has lived a life of one (1) year then System Integrator is required to demonstrate the CUF adjusted for de-rating factor of one (1) year and seasonality.
- c) MPUVNL will regularly review the progress and performance of each Applicant periodically and conduct third party inspection/monitoring through designated agencies/consultants.

C. For the purpose of measuring CUF:-

- a) ***For System(s) of 5 kWp and above:*** The Applicant shall ensure that all the Systems are Remote Monitoring System (“RMS”) enabled. The data from such RMS enabled Systems would be monitored or analysed remotely by MPUVNL/Beneficiary, independently or at its Centralized Monitoring Centre, to ensure desired level of performance. The Applicant shall ensure and shall have no objection to provide access to RMS for data acquisition and monitoring the performance of Systems by MPUVNL. The Applicant shall support MPUVNL in establishing technical handshake between RMS and the Centralized Monitoring Centre being established by MPUVNL. The Applicant shall ensure that the connectivity of the Systems with the Centralized Monitoring Centre of MPUVNL is uninterrupted at all times during O&M period and

shall make all necessary arrangements for the same. MPUVNL or its authorized agency reserves right to validate the authenticity of such data for which shall extend full access and its cooperation.

- b) ***For System of capacity less than 5 kWp:*** The Applicant shall ensure that System(s) shall have a data logger system in place at PCU to record various parameters on half hourly basis and store the same for at least 1 (one) year. CUF for such Systems shall be computed on the basis of data retrieved from the data logger of PCU.

VII. STANDARD ELIGIBILITY CONDITIONS

1. System Integrator should not have been debarred/blacklisted/failed to execute Works of MPUVNL or is in arbitration with MPUVNL.
2. The proposal for availing Subsidy must be submitted by the Applicant for availing applicable central and/or state Subsidy from MPUVNL in specified format on or before 10/10/2018.
3. The Systems Installed and Completed/Commissioned on or after 23rd March 2017 and on or before 31st March 2018 and should be of minimum capacity of 1 kWp and maximum capacity of 500 kWp to avail Subsidy.
4. MPUVNL shall verify the installation and commissioning of such Systems and status of Subsidy, and later releases Subsidy to the Beneficiary whose application/request for availing Subsidy have found appropriate. In case, an Applicant has received either Central or State Subsidy and is eligible for the other Subsidy, Applicant should mention the same in Application and ask for the claim accordingly.
5. Applications of the Applicant(s) will be accepted if the System Integrator have installed indigenous solar modules in the System(s), for which Applicant is claiming Subsidy. Also, Applicant shall be required to submit all the test reports along with certificates in support of the same.
6. The Officer of MPUVNL shall inspect the System before release of Subsidy as per the prevailing guidelines of MNRE/GoMP.
7. Subsidy for eligible Systems shall be computed as per MNRE and GoMP norms prevailing at the time when the System was installed and commissioned in accordance with the details provided in the EoI. Authorised officer of MPUVNL shall certify the same as per terms & condition and technical specification of this EoI.

8. The Subsidy would be computed as a percentage of benchmark cost as approved by MNRE for FY 2017-18 or rate discovered in MPUVNL's EPC Tender (i.e., MPUVNL's Standardised Rate) or actual cost paid by the Beneficiary to System Integrators, whichever is lower. The cost of a System will include the hardware, i.e., PV modules, inverters, meters, support structures, charge controllers, cables and minimum battery required to ensure smooth operation. It will also include cost of transportation, installation, connectivity, civil works and operation and maintenance for five years along with warranty of the System.
9. Subsidy disbursement will be based on first come first serve basis. In case Applicant fails to submit relevant documents within the given timeline, application of that Applicant will be declared ineligible. In case of any deficiency found in the application, MPUVNL would inform the Applicant and he is responsible to submit required documents within 30 days from the issuance of this EoI.
10. All the terms and conditions of the EPC Tender shall be applicable. In case of dispute on any point of this EOI, terms and conditions of EPC Tender shall prevail.
11. Application fees of 2% of MPUVNL's Standardized rate (as mentioned in Annexure IV) of the System towards MPUVNL's administrative charges shall be deducted from the eligible Subsidy while disbursement of the same.

VIII. TECHNICAL PARAMETERS

System Integrator ensure that the System should be Complete as per the technical standard/specifications of MNRE/EPC Tender *as mentioned in Part-B of Application form*. The Applicant(s) are hereby advised to take a note of the guidelines issued by MNRE dated 09-08-2016 in respect of minimum technical requirements, quality standards, best practices and specifications for Grid connected / Off-Grid roof top PV systems in addition to technical parameters mentioned in this EoI and comply accordingly.

System Integrator should submit a certificate that their products confirm to the relevant Indian standards or their IEC counterparts (including subsequent Standards, if any) along with proof of submission of samples to the laboratories with the expected date of completion of testing. Provided that submission of samples would not be necessary along with certificate in case the material for which certificate is being done has been already IEC Certified. In such a case, it would be sufficient for the certificate to be accompanied by the IEC certificate and test reports.

ANNEXURE I: APPLICATION FORMAT FOR RESIDENTIAL SECTOR

All the documents mentioned in this format should be submitted as a hard copy along with soft copy (excel/word file) through e-mail.

Part A: to be signed by System Integrator and Beneficiary both

To,
Superintending Engineer (Rooftop Solar),
Madhya Pradesh Urja Vikas Nigam Limited,
Urja Bhawan, Shivaji Nagar,
Bhopal - 462016

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<i>Details of Beneficiary</i>		
1.	Name of the Beneficiary (Owner of the House)	
2.	Address where System is installed along with pin-code, latitude and longitude	
3.	Correspondence Address of the Beneficiary (if different from above)	
4.	Contact Details (Mo. No.)	
5.	E-mail	
6.	Aadhar Number (along with a soft and hard copy)	
7.	PAN No. (along with a soft and hard copy)	
8.	Ownership details of location where system is installed (Copy of property tax/Registry/etc)	
9.	Electricity Consumer number and billing name, if applicable	
<i>Details of System Integrator</i>		
10.	Name of the Company	
11.	Registered Office Address	
12.	Contact Details (Ph. No.)	
13.	E-mail	
14.	Web site, if any	

15.	Authorized Contact Person(s) with name, designation, Address and Mobile Phone No., E-mail address/ Fax No. to whom all references shall be made	
16.	Year of Incorporation	
17.	Have the System Integrator ever been debarred/blacklisted/have failed to execute of Works of MPUVNL/is in arbitration with MPUVNL	
18.	GST No.	
<i>System related details</i>		
19.	Capacity of Project applied for (in kWp)	
20.	Completion / commissioning date	

DECLARATION REGARDING “FOR NOT HAVING AVAILED/ WILL AVAIL OF CENTRAL AND/OR STATE SUBSIDY”

We have read in detail the EOI regarding submission of this declaration. We confirm that neither we, the System Integrator M/s _____ nor the Beneficiary _____ have availed any Central and/or State Subsidy for the above mentioned System.

Comprehensive Maintenance Contract

- I. The performance of the System Supplied, Installed & Commissioned along with additional work, if any shall be under Warranty by the System Integrator for a period of five (5) years from the date of Completion (as mentioned above) of system at site.
- II. Warranty shall be for a period of Five (5) years from the date of Completion of the System(s) (In case of Systems / Batteries it may be five (5) years or more as per guarantee / warranty card provided by System / Battery Manufacturer and for the SPV modules - as per MNRE guidelines, from the date of Completion).
- III. During the course of aforesaid five (5) years, the System Integrator(s) will service and maintain the System(s). The System Integrator will have to arrange all required instruments, tools, spares, components (including battery as applicable per the battery life), manpower and other necessary facilities at his own cost.

Name of Authorised Signatory

Name of Beneficiary

(Signature)

(Signature)

With Seal/Stamp of the System Integrator

Part B: to be signed by System Integrator only

To,
Superintending Engineer (Rooftop Solar),
Madhya Pradesh Urja Vikas Nigam Limited,
Urja Bhawan, Shivaji Nagar,
Bhopal - 462016

This is with reference to the EOI No: _____ Dated: _____, on confirmation whether the System installed is in accordance with the technical specifications mentioned in EPC Tender (annexure IV of EOI).

We have read and examined in detail the EOI regarding submission of this certificate.

We M/s _____ (Insert name of System Integrator) have installed the System of ____ kWp at _____ (full address of the location where System is installed) for Beneficiary _____ (name of Beneficiary) and we confirm that our System is conforming to all the technical standards/specifications mentioned by MNRE or as per EPC Tender.

Name of Authorised Signatory

Signature

seal of the System Integrator

ANNEXURE II: APPLICATION FORMAT FOR SOCIAL SECTOR

All the documents mentioned in this format should be submitted as a hard copy along with soft copy (excel/word file) through e-mail.

Part A: to be signed by System Integrator and Beneficiary both

To,
Superintending Engineer (Rooftop Solar),
Madhya Pradesh Urja Vikas Nigam Limited,
Urja Bhawan, Shivaji Nagar,
Bhopal - 462016

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<i>Details of Beneficiary</i>		
1.	Name of the Beneficiary (Owner of the Premise)	
2.	Address where System is installed along with pin-code, latitude and longitude	
3.	Correspondence Address of the Beneficiary (if different from above)	
4.	Contact Details (Mo. No. & Tele. No.)	
5.	Registered E-mail	
6.	Registration number of Society/Trust (along with hard and soft copy of registration certificate)	
7.	PAN No./GST No/ TIN No./Any other (along with a soft and hard copy)	
8.	Ownership details of location where system is installed (Copy of property tax/Registry/etc)	
9.	Electricity Consumer number and billing name, if applicable	
<i>Details of System Integrator</i>		
10.	Name of the Company	
11.	Registered Office Address	
12.	Contact Details (Ph. No.)	
13.	E-mail	
14.	Web site, if any	

15.	Authorized Contact Person(s) with name, designation, Address and Mobile Phone No., E-mail address/ Fax No. to whom all references shall be made	
16.	Year of Incorporation	
17.	Have the System Integrator ever been debarred/blacklisted/have failed to execute of Works of MPUVNL/is in arbitration with MPUVNL	
18.	GST No.	
<i>System related details</i>		
19.	Capacity of Project applied for (in kWp)	
20.	Completion / commissioning date	

DECLARATION REGARDING “FOR NOT HAVING AVAILED/ WILL AVAIL OF CENTRAL AND/OR STATE SUBSIDY”

We have read in detail the EOI regarding submission of this declaration. We confirm that neither we, the System Integrator M/s _____ nor the Beneficiary _____ have availed any Central and/or State Subsidy for the above mentioned System.

Comprehensive Maintenance Contract

- I. The performance of the System Supplied, Installed & Commissioned along with additional work, if any shall be under Warranty by the System Integrator for a period of five (5) years from the date of Completion (as mentioned above) of system at site.
- II. Warranty shall be for a period of Five (5) years from the date of Completion of the System(s) (In case of Systems / Batteries it may be five (5) years or more as per guarantee / warranty card provided by System / Battery Manufacturer and for the SPV modules - as per MNRE guidelines, from the date of Completion).
- III. During the course of aforesaid five (5) years, the System Integrator(s) will service and maintain the System(s). The System Integrator will have to arrange all required instruments, tools, spares, components (including battery as applicable per the battery life), manpower and other necessary facilities at his own cost.

Name of Authorised Signatory

Name of Beneficiary

(Signature)

(Signature)

With Seal/Stamp of the System Integrator

Part B: to be signed by System Integrator only

To,
Superintending Engineer (Rooftop Solar),
Madhya Pradesh Urja Vikas Nigam Limited,
Urja Bhawan, Shivaji Nagar,
Bhopal - 462016

This is with reference to the EOI No: _____ Dated: _____, on confirmation whether the System installed is in accordance with the technical specifications mentioned in EPC Tender (annexure IV of EOI).

We have read and examined in detail the EOI regarding submission of this certificate.

We M/s _____ (Insert name of System Integrator) have installed the System of ____ kWp at _____ (full address of the location where System is installed) for Beneficiary _____ (name of Beneficiary) and we confirm that our System is conforming to all the technical standards/specifications mentioned by MNRE/ EPC Tender.

Name of Authorised Signatory

Signature

seal of the System Integrator

ANNEXURE III: EPC TENDER

EPC tender no. MPUVN/SPVPP-NM/1-500 kWp/2016-17/3135 dated 11th May 2016

ANNEXURE IV: MPUVNL'S STANDARDIZED RATES

Size of System(s)	MPUVNL Standardized Rates discovered in EPC Tender (INR/kWp)
Off-Grid System(s)	
1-4 kWp	1,20,000
4-10 kWp	1,17,000
Grid Connected System(s)	
1-4 kWp	72,980
4-10 kWp	67,000
10-25 kWp	62,161
25-50 kWp	57,274
50-100 kWp	55,501
100-500 kWp	55,528

ANNEXURE V: INSPECTION REPORT

MADHYA PRADESH URJA VIKAS NIGAM LIMITED (M.P. Govt. undertaking) Urja Bhawan, Main road #2, SHIVAJI NAGAR, BHOPAL (MP)-452016 Phone: 0755-2556566, 2556526 FAX:2553122 E-mail: se.mpuvn1982@gmail.com ; Web: www.mprenewable.nic.in	
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MPUVNL/DREO-_____ /2018-19/ Dated _____
Inspection and Project Completion Report for SPV Off-Grid/Grid-Connected Rooftop Installation

(Details to be filled by Applicant (System Integrator/Beneficiary))

A	Beneficiary's Work Order No. / Date	
B	Cost as per Work Order	
C	Name of System Integrator	
D	Name of DREO (MPUVNL)	
E	Date of Installation of system (as certified by Beneficiary)	

Description of System Design and Specification

(Compliance to BIS/IEC Standards is mandatory, as set by MNRE)

System Parameters	Specifications
System Capacity (kWp)	
Solar Module	Make -
	Capacity (Wp)
	Total Nos.
	Cumulative Capacity of Module (kWp)
Enclose list of module nos. and submit soft copy in excel	
Inverter/ Power Conditioning Unit (PCU)	Type of Inverter (
	Manufacturer -
	Capacity of each Inverter/PCU (kW)
	1.
	2.
3.	
4.	
	Cumulative Capacity of Inverter/PCU (kW)
Battery	Type of Tubular
	Battery (If Installed)
	Cell Voltage

	Make
	Capacity if Battery (Ah)
	Total No. of Batteries
Meter Details	Details of Metering (Net Metering/Captive)
	Meters (Net Meter/ Generation Meter)
	Type of Consumer (HT/LT/Other)
	Make of Net Meter
	Make of Generation Meter
Other Information	Units of electricity generated by the solar plant as recorded in Generation meter or as per provisions of Policy/EPC Tender (in KWh) on any day (date)
	Self-Certified Generation Data (Data-logger) / Online Remote Monitoring
	Name and Mobile no of 2 nos. personnel trained in O&M (for installation in Social Sector only):
	1.
	2.
	Earthing & Protections (Provided/Not Provided)
	Lightening Arrester, if necessary (Provided/Not Provided)
	O&M Manuals (Provided/Not Provided)
Sign Board, for installation in Social Sector only (Provided/Not Provided)	
Danger Board (Provided/Not Provided)	
Grid Connectivity Details	Grid connectivity phase: (1 phase/3 phase)
	Grid connectivity Voltage (230/415/11KV/33KV/66KV)
Details of RMS (for capacity of 05 kWp & above)	URL
	Username
	Password
Inspection report issued by Electrical Inspectorate (for Capacity 100 kW and above)	Yes/No If Yes, Enclose Photocopy

Signature of Beneficiary

Signature of System Integrator

Certified that the work done by the contractor is verified and found satisfactory as per the specifications and the quantity mentioned in the work order. Entries have been made in the project register on page

Signature DREO

Declaration by System Integrator

It is hereby declared by M/s _____, that the above information is true and the installation done is in accordance with the standards and norms as prescribed by MNRE / EPC Tender/DISCOM / All other relevant Government bodies.

Signature of System Integrator with seal

HANDING OVER CERTIFICATE

Grid-connected Solar photovoltaic power plant of kWp capacity is installed and commissioned at District..... as per work order no..... dated is working satisfactorily. Details of the system are given below:-

1. Details of devices installed:

S.No	Particulars	No/Make/Capacity	
1	Solar module	No	
		Capacity	
		Make	
2	Power conditioning unit/Inverter	No	
		Capacity	
		Make	
3	Battery bank, if installed	No	
		Capacity	
		Make	
4	Support structure		
5	Other system accessories junction boxes, distribution panel, etc.		
6	Operation & maintenance manual		
7	Training of personnel, for social sector only		
8	Sign board, for social sector only		
9	Danger board		

Date.....

Place.....

HANDED OVER BY
Signature/Seal
(Name & Designation)
System Integrator

TAKEN OVER BY
Signature/Seal
(Name & Designation)
Seal of Officer-in-charge (In case,
Beneficiary is social sector)

ANNEXURE VI: FORMAT FOR PERFORMANCE BANK GUARANTEE

(To be on non-judicial stamp paper of Minimum Rs. 1000/-)

In consideration of the _____ (Insert name of the Applicant) submitting the response to EOI no. _____ issued by Madhya Pradesh Urja Vikas Nigam Limited (hereinafter referred to as MPUVNL) for claiming Central and/or State Subsidy for Solar Rooftop System located in the state of MP. As per the terms of the EPC Tender, the _____ (insert name & address of bank) hereby agrees unequivocally, irrevocably and unconditionally to pay to MPUVNL at _____ (Insert Name of the Place from the address of the MPUVNL) forthwith on demand in writing from MPUVNL, or any officer authorized by it in this behalf, any amount up to and not exceeding Rupees _____ (Rupees _____ (Total Value in words)) only, on behalf of M/s _____ (Beneficiary Name). This guarantee shall be valid and binding on this Bank up to and including _____ and shall not be terminable by notice or any change in the constitution of the Bank or the term of Agreement or by any other reasons whatsoever and our liability hereunder shall not be impaired or discharged by any extension of time or variations or alternations made, given, or agreed with or without our knowledge or consent, by or between parties to the respective Agreement.

Our liability under this Guarantee is restricted to Rupees _____ (both in numbers and words)

Our Guarantee shall remain in force until MPUVNL shall be entitled to invoke this Guarantee till _____. The Guarantor Bank hereby agrees and acknowledges that MPUVNL shall have a right to invoke this BANK GUARANTEE in part or in full, as it may deem fit.

The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand by MPUVNL, made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to MPUVNL.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by _____ (Insert name of the Applicant). The Guarantor Bank shall not require MPUVNL to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against MPUVNL in respect of any payment made hereunder.

This BANK GUARANTEE shall be interpreted in accordance with the laws of India and the courts at Bhopal shall have exclusive jurisdiction.

The Guarantor Bank represents that this BANK GUARANTEE has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Bank in the manner provided herein.

This BANK GUARANTEE shall not be affected in any manner by reason of merger, amalgamation, restructuring or any other change in the constitution of the Guarantor Bank.

This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly MPUVNL shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the Applicant, to make any claim against or any demand on the Applicant or to give any notice to the Applicant or to enforce any security held by MPUVNL or to exercise, levy or enforce any distress, diligence or other process against the Applicant.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees _____ (Rupees _____ (in words) only) and it shall remain in force until we are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if MPUVNL serves upon us a written claim or demand.

Signature

Name

Power of Attorney No.:

For

[Insert Name of the Bank]

Banker's Stamp and Full Address.

Dated this ____ day of ____, 20__

Witness:

Signature

Name and Address_____

Signature

Name and Address_____