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No: F/UVN/2024/KUSUM-C/V/ 1277

Dated: - 06/06/2025

Corrigendum - XIII

Sub: - RfP for setting up of Grid connected Solar PV based Power Plants (SPP) under Surya Mitra Krishi Feeders Scheme, with feeder solarization component of PM KUSUM - C Scheme for sale of power to MPPMCL. Reg.

Ref: - RFP No: F/UVN/2024/KUSUM-C/V/5183, Dated 11.02.2025.

Apropos above subject. Madhya Pradesh Urja Vikas Nigam Limited has invited RFP for selection of Renewable Power Generators (RPGs) setting up of grid connected solar PV based power plants (SPP) under feeder solarization component of Surya Mitra Krishi Feeders Scheme, with PM KUSUM-C (feeder level solarization), for sale of power to MPPMCL. Attached with this letter is comprehensively revised RfP and PPA along with associated annexures and appendixes. Interested bidders are advised to peruse these latest documents and plan for their bidding accordingly.

Previous versions of RfP and PPA along with associated annexures, appendixes and corrigenda stand superseded by these documents in totality.


(Ajay K Shukla)
Project in-Charge
(PM KUSUM-C Scheme)



Madhya Pradesh Urja Vikas Nigam Limited

Invites Request for Proposal (RFP)

For

Selection of Renewable Power Generators (RPGs)

Through

Tender process

For

Setting up of Grid connected Solar PV based Power Plants (SPP)

**under Surya Mitra Krishi Feeders Scheme, with feeder
solarization component of PM KUSUM-C scheme for sale of
power to MPPMCL**

RFP No: F/UVN/2024/KUSUM-C/V/ 5183

Date: 11.02.2025

Issued by: -

Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL)

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

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Notice Inviting Tender

RFP No: F/UVN/2024/KUSUM-C/V/5183

Dated: 11.02.2025

Madhya Pradesh Urja Vikas Nigam Limited, invites Bids from eligible Bidders to participate through this Request for Proposal (RFP) for Selection of Renewable Power Generators (RPGs) for Implementation of cumulative CFA equivalent capacity of 1200 MW of Grid Connected Solar PV Systems for Sale of Solar Power to MPPMCL under Surya Mitra Krishi Feeders Scheme, with feeder solarization component of PM KUSUM-C scheme, at various locations in the state of Madhya Pradesh, India.

For the implementation of above mentioned work, Bidders should submit their bid and all requisite documents complete in all respects on or before **23.06.2025** up to 20:00 Hours online in <https://www.bharat-electronictender.com> and in the office of “Nodal Agency”, as required, in prescribed format. Bids received without the prescribed Bid Processing Fee shall be rejected. Also, every Bidder is required to mandatorily submit Bid Security in prescribed manner. In the event of any date indicated RFP is a declared Holiday, the next working day shall become operative for the respective purposes mentioned in RFP. Technical Bid will be opened on **27.06.2025** at 11:00 Hours online in the presence of authorized representatives of Bidders who wish to be present.

Bid documents which include eligibility criteria, technical specifications, various conditions of Agreement, formats, etc. can be viewed from Nodal Agency's website www.mprenewable.nic.in and can be downloaded from <https://www.bharat-electronictender.com> for online submission.

EE
(MPUVNL)

DISCLAIMER

1. Though adequate care has been taken while preparing the RFP documents (inclusive of Formats, Agreement, Appendixes and Annexures, as applicable), the Bidder shall satisfy themselves that the documents are complete in all respects. Intimation of any discrepancy shall be given to this office immediately. If no intimation is received from prospective Bidder on or before pre-bid meeting date, it shall be considered that the RFP document is complete in all respects and has been carefully reviewed by concerned Bidder. Bidder shall be responsible to read all clauses of RFP in conjunction with PPA and formats attached to it (Part of RFP, in the form of Annexure).
2. Nodal Agency reserves the right to modify, amend or supplement RFP documents including all formats, appendixes and annexures at any time before Bid submission deadline. Interested Bidders are advised to follow and keep track of Nodal Agency's website as well as designated e-tender portal for updated information. Nodal Agency is not obligated to send/ communicate separate notifications for such notices/ amendments/ clarification etc. in the print or electronic media or individually. Nodal Agency shall not be responsible and accountable for any consequences to any party, whatsoever.
3. While this RFP and associated bid process is carried out in good faith and adequate reasonableness, neither Nodal Agency nor their employees or advisors make any representation or warranty, expressed or implied, or accept any responsibility or liability, whatsoever, in respect of any statement or omissions herein, or the accuracy, completeness, procedural inadequacy or reliability of information and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this RFP, even if any loss or damage is caused by any act or omission on their part.
4. The capitalized term or any other terms used in this RFP, unless as defined in RFP or repugnant to the context, shall have the same meaning as assigned to them by the Electricity Act, 2003 or Company Act, 1956/ 2013 or Indian Partnership Act, 1932 or Limited Liability Partnership Act, 2008 or Income Tax Act, 1961, Guidelines for implementation of PM KUSUM scheme, 17.01.2024 and applicable rules or regulations framed under these Acts/ Guidelines.

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization
component of PM KUSUM - C Scheme

A. BID INFORMATION SHEET

Document Description	Request for Proposal (RFP) for Selection of RPGs for Implementation of cumulative CFA equivalent capacity of 1200 MW Grid Connected Solar based power plants connected to selected 33/ 11 kV substation for Sale of Solar Power to MPPMCL at various locations in the state of MP under Surya Mitra Krishi Feeders Scheme, with feeder solarization component of PM KUSUM-C scheme.
RFP No. & Date	RFP No: F/UVN/2024/KUSUM-C/V/5183 Dated: 11.02.2025
RFP Purchase Start Date	As per key dates provided under Section-II of this RfP
RFP Purchase End Date	As per key dates provided under Section-II of this RfP
Total Capacity	Cumulative CFA equivalent capacity of 1200 MW . This capacity shall be equal to the sum of non-CFA capacities and CFA capacities for the Project(s), which would be allotted, as per terms and conditions of this RfP, till the exhaustion of the 1200 MW CFA capacity.
Project or Project Capacity	<p>As per demand assessed for all concerned feeders emanating from a particular sub-station, subject to maximum available capacity of concerned PTR at concerned sub-station. The Project or Project Capacity would be as provided at Annexure-1 of RFP.</p> <p><u>Important note:</u></p> <p>Bidder can not submit bid for modified Project Capacity for a Project. However,</p> <ol style="list-style-type: none">If the Project Capacity is changed by MPUVNL after selection of Successful Bidder, such Successful Bidder would be obliged to execute Project if the revised Project Capacity is within (+/-) 20% of one provided at Annexure-1 of RFP. Beyond that, the Successful Bidder would have the choice to not execute the project without any penal obligationsChange in Project Capacity in any other form is not allowed.

Bid Size	Bidder can place Bid for any number of sub-stations, subject to meeting the applicable Financial Eligibility Criteria under Cl. 3.14 of RFP.
Exclusivity	A Bidder shall place only one bid for a substation/ Project i.e. all target feeders emanating from one substation shall be considered as one Project. Total Bid capacity (in MW) at one substation shall be considered as one Project.
Selection of substation for SPPs under component-C of PM KUSUM scheme	Substations to be considered for feeder solarization under component-C of PM KUSUM scheme as identified by concerned Discoms as per pre-defined criteria and are provided at Annexure-1 of the RFP.
Duration of PPA	25 years from Scheduled Commercial Operation Date
Maximum CUF	Procurer, in any Contract Year, shall be obligated to purchase all energy generated by RPG as per provisions of PPA.
Minimum CUF	There is no requirement of minimum CUF to be achieved after the project has been declared to be successfully commissioned.
Broad Scope	Design, Engineering, Supply, construction, erection, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) in accordance with the applicable Law, the Grid Code, the terms and conditions of PPA and prudent utility practices for Sale of Solar Power to MPPMCL at the delivery point in each substation at various locations in the state of Madhya Pradesh, India.
Subsidy from Govt. of India i.e. Central Financial Assistance (CFA)	<p>Shall be governed by relevant and applicable Subsidy provisions of Govt. of India and its guidelines valid at the time of bid submission date.</p> <p>Details of it is provided at Cl. 3.42 of RFP and Cl. 9.7 of draft PPA attached with RFP.</p>
Reactive Power Compensation	Successful Bidders would come under reactive power compensation regime, which shall provide for incentive or disincentive for concerned Projects to support grid in reactive power management. It would be applicable at a rate and in

	manner as determined by MPERC from time to time.
Selection Procedure	The detailed procedure is given in the section IV of this RFP.
Pre-bid Meeting	<p>As per key dates provided under Section-II of this RfP.</p> <p>The Bidders should share the participation details one working day before pre-bid meeting at kusumc.mpuvn@gmail.com</p> <p>Joining instructions shall be shared by MPUVNL before the Pre-Bid Meeting.</p>
Last date & Time of Submission of Bid submission (ONLINE only)	As per key dates provided under Section-II of this RfP
Last date & Time of Submission of required Bid documents in HARD copies	As per key dates provided under Section-II of this RfP
Bid Opening (Technical)	As per key dates provided under Section-II of this RfP
Bid Opening (Financial)	<p>As per key dates provided under Section-II of this RfP</p> <p>(Any modification in date, time and venue for Financial Bid opening shall be updated on websites. Bidders are advised to keep tracking of the same).</p>
Bid Processing Fee (non- refundable)	<p>MPUVNL's Bid Processing Cost: INR 5,000/- (Rupees Five Thousand only) + GST (18%) i.e. INR 5,900/- per MW or a part thereof, which would be utilized at the stage of bid evaluation.</p> <p>The bid processing fees will be paid to MPUVNL in following account (through NEFT/RTGS) and proof of the same shall be mailed to MPUVNL as well as submitted with online bid:</p> <ol style="list-style-type: none"> Account Holder Name: M. P. Urja Vikas Nigam Ltd. Bank Name: ICICI Bank Ltd. Bank Branch Address: Shivaji Nagar, Bhopal Account No.: 656501700049 IFSC Code: ICIC0006565 MICR Code: 462229012 <p>MSMEs are exempted from paying MPUVNL's Bid Processing</p>

	<p>Cost (please refer definition of MSME).</p> <p>Farmers are exempted from paying MPUVNL's Bid Processing Cost, subject to meeting necessary criteria as per definition of Farmer in RfP.</p> <p>Further, it may be noted that no exemption towards MPUVNL's Bid Processing Cost is allowed to Govt./ semi Govt./ PSUs.</p> <p>The e-tendering portal charges will be charged by the tendering portal directly as per following:</p> <ol style="list-style-type: none"> E-Tender Portal Registration Fees: During the registration process each bidder will have to pay the applicable ETS Registration-Fee of INR 7,000 + GST (18%). For already registered bidder on the portal, need not to re-pay registration fees for 1 year from date of their registration. Bid Participation Fee: Bidder Participation Charges Per - INR 12,000/ per sealed bid + GST (18%) <p>Charges towards the e-tender portal, are governed by the portal service provider, and shall be borne by the bidder.</p> <p>Further, it may also be noted that e-tendering fees to all type of Bidders/ organizations/ agencies without any exemption.</p>
Bid Security	It shall be provided by interested Bidders as per Cl. 3.24 of RFP.
Performance Bank Guarantee ("PBG")	It shall be provided by Successful Bidders in accordance with Cl. 4.7 of RFP.
Update on this RFP	Bidders are advised to keep track of the changes/ updates/ corrigendum regarding this RFP on https:// www.bharat-electronictender.com and www.mprenewable.nic.in (for reference only)
Address for correspondence with nodal agency	To, Executive Engineer (KUSUM-C), Madhya Pradesh Urja Vikas Nigam Limited, "Urja Bhawan" Link Road No. 2, Shivaji Nagar, Bhopal – 462016

Mobile No – 0755-2553595

B. DEFINITIONS & ABBREVIATIONS

In this “Bid / RFP Document” the following words and expression will have the meaning as herein defined where the context so admits:

“Affiliate” shall mean a Company / Limited Liability Partnership (LLP) Firm/ Partnership Firm/ Sole Proprietor that directly or indirectly

- i. controls, or
- ii. is controlled by, or
- iii. is under common control with

a Bidder or Member of a Consortium/ JV. Any bank or financial institution shall not be considered as Affiliate. Also, any organization/ entity/ institution where the President of India or Governor of a State are the ultimate owner but otherwise are separate organization/ entity/ institution from each other shall not be considered as Affiliate;

“Appropriate Commission” - Unless otherwise stated, Appropriate Commission shall be the commission of the state where DISCOM is situated; In this case, it shall mean Madhya Pradesh Electricity Regulatory Commission (MPERC);

“Allotable capacity” shall mean a capacity as described under Cl. 4.3 of RfP.

“Bid” shall mean the Technical and Financial Proposal submitted by the Bidder along with all documents/ credentials/ attachments/ annexures/ appendixes etc., in response to this RFP, in accordance with the terms and conditions hereof;

“Bidder(s)” shall mean individual farmers/ Group of farmers/ Cooperatives/ Panchayats/ Farmer Producer Organizations (FPO)/ Water User associations (WUA)/ Government agricultural institute/ other agriculture related institutions participating under **Self Development Mode** or bidding Company/ Limited Liability Partnership (LLP) firm/ Partnership Firm/ Sole Proprietor or Consortium in any form of a Company/ LLP/ Partnership Firm/ Sole Proprietor submitting the Bid under **Developer Mode** and is hereinafter also called Renewable Power Generator (RPG). Any reference to the Bidder includes its successors, executors and permitted assigns as the context may require;

“Bidding Consortium (Consortium) or Joint Venture (JV)” shall refer to a group of bidding Company/ Limited Liability Partnership (LLP) firm/ Partnership Firm/ Sole Proprietor that has collectively made a Bid in response to RFP for the project. Consortium/ JV of a maximum of two entities/ members is allowed under this RFP.

“Bid Deadline” shall mean the last date and time for submission of Bid in response to

this RFP as specified in Bid Information Sheet;

“Bid Security” shall mean Bid Security to be submitted by the Bidder along with the Bid as per provision of RfP;

“B.I.S.” shall mean specifications of Bureau of Indian Standards (BIS);

“Bid Validity Period” shall mean 180 days from the bid deadline. It may be extended further for a period of up to ninety (90) days with mutual consent of the nodal agency and bidder;

“CEA” shall mean Central Electricity Authority;

“CERC” shall mean Central Electricity Regulatory Commission

“Chartered Accountant” shall mean a person practicing in India or a firm whereof all the partners practicing in India as a Chartered Accountant(s) within the meaning of the Chartered Accountants Act, 1949;

“Competent Authority” shall mean Managing Director of Nodal Agency, himself and/ or a person or group of persons nominated by him for the mentioned purpose herein of this RFP;

“Completion” shall mean supply and erection/installation of the Project and demonstration of CUF as per provisions of the PPA;

“Commissioning” shall mean demonstration of successful operation of the Grid Connected Project in accordance with prevailing regulations and SOP;

“Commercial Operation Date” or “COD” shall mean the date on which the commissioning certificate is issued upon successful commissioning (as mentioned in Article 1 of PPA) of the project;

“Company” shall mean a body incorporated in India under the Companies Act, 1956 or Companies Act, 2013 including any amendment thereto;

“Comprehensive Operation and Maintenance” or “Comprehensive O&M” or “O&M” shall mean insurance, warranty, spare parts and operation & maintenance of Projects during the term of the PPA;

“Control” shall mean with respect to any Entity means more than 51% ownership, directly or indirectly, of such Person or the power to direct the management and policies of such Person by operation of law, contract or otherwise;

“Cumulative CFA equivalent capacity” shall mean the total capacity equal to the sum of non-CFA capacities and CFA capacities for the Project(s), corresponding to the given available CFA capacity as per Annexure-1;

“Day(s)” shall mean a 24 (twenty-four) hour period beginning at 00:00 hours Indian Standard Time and ending at 23:59:59 hours Indian Standard Time;

“Delivery point” shall mean a point a point a provided in Annexure-1 of the RfP, where power is injected into grid at 33/11 kV substation and it shall be 11 kV bus bar at the 33/ 11 kV Sub-station, unless specified otherwise. Metering shall be done at this interconnection point where the power is injected into the 33/ 11 kV Sub-station. Depending upon Project Capacity, there could be multiple interconnection cum delivery points at PTR at same substation.

For interconnection with grid and metering, the RPG shall abide by the relevant and applicable regulations, Grid Code notified by the State Commission and Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended and revised from time to time, or orders passed thereunder by the Appropriate Commission or CEA and relevant provision of PPA;

All costs and charges including but not limited to line losses and other charges as notified by the appropriate commission up to the point of interconnection (Delivery Point), if applicable, associated with the evacuation arrangement shall be borne by RPG.

“DISCOM” shall mean Madhya Pradesh Poorv Kshetra Vidyut Vitaran Company Ltd., Madhya Pradesh Paschim Kshetra Vidyut Vitran Company Ltd. and Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company Ltd.

“Effective Date” shall means the date as defined in Article 1 of PPA;

“Eligibility Criteria” shall mean the Eligibility Criteria as set forth in this RFP;

“Expiry Period” Shall mean the date occurring twenty-five (25) years from the SCD subject to that the supply of power shall be limited for a period of 25 years from the SCD unless extended by the Parties as per this Agreement;

“Farmer” for this RfP shall mean any legal person who owns Prescribed Land in Madhya Pradesh meant for general farming and allied activities, which will be used for setting up renewable energy plant near identified sub-stations (as per **Annexure 1** of RfP) for power injection under KUSUM – C (feeder solarization), and includes individual farmers/ group of farmers/ cooperatives/ panchayats/ Farmer Producer Organisations (FPO)/ Water User associations (WUA)/ Government agricultural institute or other agriculture related institutions;

“Financial Bid” shall mean online financial Bid, containing the Bidder’s quoted fixed tariff for the entire term of the PPA, with effect from the COD as per format given in the RFP;

“Financially Qualified Bidder” shall mean, for a Project, a Qualified Bidder who has quoted lowest tariff (L-1) for the Project.

“First Operational Year” shall mean the period commencing from the Commissioning, including part commissioning, and expiring at the end of the Calendar Month in which Project completes twelve (12) Months from the SCD of PPA Capacity;

“IEC” shall mean specifications of International Electrotechnical Commission;

“Inspecting Authority” shall mean the authority designated by the Competent Authority for the said purpose;

“kW” shall mean Kilowatt;

“kWh” shall mean Kilowatt Hour;

“Lead Member” shall mean the member of Bidding Consortium/ Group of Farmer/ Cooperatives/ Panchayats/ Farmer Producer Organizations (FPO)/ Water User associations (WUA)/ Government agricultural institute or other agriculture related institutions, which is designated as leader by other members to represent them as Bidder for this RFP;

“LOA” shall mean Letter of Award issued by the MPUVN to the RPG;

“MPERC” shall mean Madhya Pradesh Electricity Regulatory Commission

“MPPMCL / MP DISCOMs” shall mean Madhya Pradesh Power Management company and Distribution companies

“MNRE” shall mean Ministry of New and Renewable Energy, Government of India;

“Month(s)” shall mean a period of 30 days from (and excluding) the date of the event, where applicable, else a calendar month;

“MSME(s)” shall means the Micro, Small and Medium Enterprises, whose place of work and registered office are in the state of Madhya Pradesh as defined under the Micro, Small and Medium Enterprises Development Act 2006. Such MSMEs shall have to furnish MSME registration certificate (NSIC/ DIC/ Udyam Certificate) issued by the appropriate authority. Further, submission of such MSME certificate issued in the name of Affiliate / Promoter shall not be considered.

“MW” shall mean Mega Watt;

“MWp” shall mean Mega Watt Peak;

“Nodal Agency” shall mean the Madhya Pradesh Urja Vikas Nigam Limited, (MPUVNL) Bhopal;

“Nominal Voltage” shall mean, 11,000 Volts in case Delivery Point is at LV side of 33/11 kV transformer and 33,000 Volts, in case Delivery Point is at HV side of 33/11 kV transformer;

“Normative CFA Capacity” or “NCFA ” shall mean solar plant capacity (in MW) out of Project Capacity (in MW), provided at Annexure-1 of RfP, which would be eligible for CFA as per MNRE, GoI, guidelines for feeder level solarization under component-C of PM KUSUM scheme. This value is the maximum CFA that can be availed for the given substation;

“Operational Year(s)” the First Operational Year and thereafter each period of 12 (twelve) Months till the Expiry Date of PPA;

“Paid-up Share Capital” means the paid-up share capital as defined in Section 2 of the Company Act, 2013;

“Power Purchase Agreement or PPA” shall mean the agreement to be executed between RPG and the Procurer for the supply of Solar Power from the Project commissioned by the RPG to Procurer;

“Prescribed Land” shall mean 1 hectare per MW of land parcel for setting up of concerned Project(s) within 5 kilometre radius of concerned substation as provided at Annexure-1.

“Procurer(s)” shall mean the person or company or organization procuring solar power from the Power Producer at competitively determined tariff under the RFP i.e. MPPMCL;

“Project(s)” shall mean the Grid Connected Solar PV Project(s) [SPPs] corresponding to a concerned substation as provided at Annexure-1 of this RfP;

“Project Capacity” means the capacity of the individual Projects mentioned in this RfP and subsequent PPA;

“Project Company” shall mean Company incorporated by the Bidder/ RPG as per Indian Laws. However, in case Bidders participating under Farmer/self-development mode, a Project Company may be a Company or LLP or Partnership Firm or Sole Proprietor as per law;

“Qualified Bidder(s)” shall mean Bidder(s) who have submitted Bid(s) in compliance with this RfP and is/are qualified as per the Eligibility Criteria pursuant to this RFP who shall be eligible for opening of Financial Bid;

“Quoted CFA or QCFA” shall mean the CFA capacity (in MW) that the bidder chooses to avail out of the available NCFA. This shall be quoted in the BoQ by all the bidders and the

QCFA can be any value between zero and the NCFA (both limits inclusive).

“RFP” shall mean Request for Proposal (RFP) / Bid document / Tender document and shall include formats, appendixes and annexures in it;

“Renewable Power Generator” or “RPG” shall mean Bidder declared successful following due process in accordance with this RfP. Any reference to the RPG shall include its successors, executors and permitted assigns as the context may require;

“Scheduled Commissioning Date” or “SCD” shall mean as defined in Article 1 of PPA;

“Statutory Auditor” shall mean the auditor of a Company appointed under the provisions of the Companies Act, 1956 or Companies Act, 2013 or under the provisions of any other applicable governing law;

“Successful Bidder(s)” shall mean the RPG(s) selected by Nodal Agency pursuant to this RFP for implementation of Project as per the terms and condition of the RFP Documents, and to whom LOA has been issued;

“Term of PPA” shall have the meaning ascribed thereto in article 2 of PPA;

“Year” shall mean 365 Days or 366 Days in case of leap year when February is of 29 Days;

C. INTERPRETATIONS

1. Words comprising the singular shall include the plural & vice versa.
2. Bidder shall mean sole bidding entity, lead bidding entity or members of consortium/ joint venture.
3. An applicable law shall be construed as reference to such applicable law including its amendments or re-enactments from time to time.
4. A time of day shall save as otherwise provided in any agreement or document be construed as a reference to Indian Standard Time.
5. Different parts of this document/ contract are to be taken as mutually explanatory and supplementary to each other and, if there is any differentiation between or among the parts of this document/ contract, they shall be interpreted in a harmonious manner so as to give effect to each part.
6. It is clarified that phrases like bid processing cost, bid processing fee(s) or tender fee(s) used across multiple provisions of RfP would have same meaning and import, unless specifically provided for otherwise.
7. MD of MPUVNL will have authority to take appropriate decision in line with guidelines or directions of MNRE from time to time in matters pertaining to implementation of feeder solarization under KUSUM-C scheme.
8. MD of MPUVNL will have authority to interpret and take appropriate decision in matters pertaining to timelines or situations posing challenge in execution of awarded Projects for feeder solarization under KUSUM-C scheme in the State.

SECTION-I: INTRODUCTION

1. INTRODUCTION:

- 1.1 In reference to the KUSUM-C guidelines, Madhya Pradesh Urja Vikas Nigam Limited (MPUVN) on behalf of MPPMCL, hereby invites the Bids against the RFP from interested bidders for development of solar power plants (SPP) of different capacities to meet requirement of target feeders associated with substations provided in **Annexure 1** and as amended till Bid Deadline. Bidders should ensure that their financial bid is in accordance with the **most updated format for Financial Bid** and list of substations. Bids received for any substation not included in **Annexure 1** of RfP as amended shall not be considered for technical or financial evaluation. The power should be delivered at delivery point as defined in the RFP and subsequent PPA. The total CFA to be allotted under this RFP is cumulative CFA equivalent capacity of **1200 MW** across various substations provided at Annexure-1 of RFP.
- 1.2 Such plants near sub-stations may be primarily developed by utilizing **private land**-cultivable land, pastureland, marshland, barren or uncultivable land. It shall be sole responsibility of RPG to identify private land necessary for Project and arrange the same at applicable risk and cost. However, following must be noted:
- a) **Bidders participating under Developer mode:** No land proof is required as condition for bid participation. But, necessary land will have to be arranged by such Bidders at their own risk and cost within appropriate time-frame after LoA/PPA, as relevant.
 - b) **Bidders participating under Self Development Mode:** At the time of bidding, bidder (under self-development mode) needs to own the Prescribed Land on which bidder (under self-development mode) is intending to set-up the solar power plant under KUSUM – C (feeder solarization) scheme. The bidder shall own the Prescribed Land at the time of bid submission to qualify under the self-development mode.

Bidder will have to submit the land ownership documents, on which setting-up of solar power plant is proposed as mentioned under the FORMAT S2 or D2: General Particular of Bidder [**Important note:** Land ownership proof shall be either of following updated certified documents- *khasara/khatauni, bhoo-adhikar pustika, naksa*, and/or land registry which suffice that land ownership in name of bidder is undisputed. An equivalent documentary evidence may also be

considered subject to sole discretion of MPUVNL. However, at any stage during or after bidding, if land ownership status at the time of bidding is found disputed, the participation or selection as RPG may be cancelled and/or appropriate legal actions may be initiated]. Within ninety (90) days of execution of PPA, the Successful Bidder needs to own/ lease complete piece of land required for the setting up the awarded capacity of solar plant under KUSUM – C (feeder solarization) scheme for injecting the power at selected sub-station, and the proof the same will be submitted to MPUVNL. Competent Authority may provide for another thirty (30) days period to allow Successful Bidder to arrange complete piece of land required for concerned Project(s).

Failing to submit the required land ownership documents with competent authority as per timelines in RFP/ PPA, Competent Authority will have right to cancel PPA/ selection of such bidders and take necessary action under laws of land, including forfeiture of bid security and/or blacklisting/ debar of such bidders to participate in any tender of MPUVNL.

- 1.3 For avoidance of any doubt, it is re-stated that the RPG (**selected under Self Development Mode or Developer Mode**) shall be solely responsible and make arrangements of necessary land for Project and associated infrastructure for development of the Project and for Connectivity with the concerned sub-station (as per Annexure-1 of RFP) for confirming the evacuation of power by the SCD or COD, whichever is earlier, and all clearances. The RPG will be responsible for Design, Supply, Construction, Erection, Testing and Commissioning, of Solar Power Project in accordance with the applicable Law, Grid Code, as per regulations and terms & conditions of the Agreement as well as Prudent Utility Practices.
- 1.4 RPG shall have option to get connectivity infrastructure from Project to substation developed by Discom by bearing appropriate expenses towards it.
- 1.5 It may be noted that BoQ estimates and specifications related to evacuation and connectivity infrastructure shall be approved by the concerned Discom.
- 1.6 The power generated from such SPP's shall be sold to MPPMCL on the tariff discovered for the RPG through process defined in this RfP and conditions as specified in the PPA document.
- 1.7 The Bidder is advised to read carefully all instructions and conditions of this RFP and understand the scope of work completely. All information and documents required as per the RFP must be furnished with the bid. Nodal Agency reserves the right to seek clarifications or additional submissions on submitted bids. Failure to

provide the information and/ or documents as required shall render the Bid(s) unacceptable for further evaluation and may lead to rejection of the bid(s) or award of work. All Bidders qualifying the technical stage shall be treated at par. Financial Bid of the Bidder(s) qualifying at technical stage only shall be opened.

- 1.8 Bidder shall be deemed to have examined the RFP, to have obtained information in all matters whatsoever that might affect carrying out of works in line with the scope of work specified in the RFP at the Bid price and to have satisfied himself of the sufficiency of his Bid. The Bidder shall be deemed to know the scope, nature and magnitude of the works and requirement of materials, equipment, tools and labour involved, wage structures and as to what all works Power Producer shall have to be complete in accordance with the RFP, irrespective of any defects, omissions or errors that may be found in RFP. It is assumed that Bidder has satisfied himself with the site conditions at the Premises of Procurer and has assessed the quantum of work required to comply with the RFP and PPA conditions.
- 1.9 Developers/ RPGs shall make themselves aware of MNRE guidelines for KUSUM-C (FLS) pertaining to quality control and system specifications, standards, indigenously manufactured components' requirement/ waiver, ALMM requirement/ waiver etc. valid and relevant at the time of bid submission deadline and factor in relevant aspects while bidding. Nodal Agency or its officers/ advisors/ staff/ consultants would not be accountable, liable or responsible for any implications on their bid or project implementation as well as O&M for project life.

SECTION-II: BID DETAILS

2. BID DETAILS:

- 2.1 The bidding process is for Implementation of cumulative CFA equivalent capacity of 1200 MW capacity of Grid Connected Solar based power projects (SPPs) of different capacities under feeder solarization component of KUSUM-C for Sale of Solar Power to MPPMCL at various locations in the state of Madhya Pradesh at substations and Delivery Points provided at **Annexure-1** of RFP.
- 2.2 Eligible applicants are the Bidders as defined under this RFP. It shall be sole responsibility of RPG to arrange land for concerned SPP and associated infrastructure. Provision for government land is not envisaged under this RfP for any category of Bidders.
- 2.3 For setting up of a SPP, concerned RPG can arrange land near substations provided in **Annexure-1** and as amended from time to time.
- 2.4 The Bid of an applicant will also be disqualified if it is found that its owner/ proprietor/ partner/ director/ member or any of its affiliate has also filed application as/ for another Bidder/ RPG for the same sub-station.
- 2.5 Bidder/ RPG should ensure compliance to the MNRE's guidelines pertaining solarization of feeders under **KUSUM-C, dated 17.01.2024** and amended till date of **online bid submission**.
- 2.6 A list of substations along with the estimated project capacity has been attached as **Annexure 1** and as amended from time to time. The Bidders are advised to undertake their own due diligence before submitting of the Bid(s) as regards necessary Project Capacity, availability of bay/ space for bay at concerned substation, RoW issues, if any, pertaining to connectivity and associated sub-transmission lines and any other critical aspect that may have implications on implementation as well as O&M of concerned Project(s). MPUVNL or Procurer shall not be responsible or answerable in any manner for any matters related technical feasibility, implementation or O&M arising at any stage from Bid submission through life of concerned Project(s).
- 2.7 **Key Dates**

S. No.	Nodal Agency Stage	Date	Time (Hrs.)
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S. No.	Nodal Agency Stage	Date	Time (Hrs.)
1.	Date of issue of RFP	15.02.2025	
2.	Purchase of RFP Start Date	17.02.2025	23:55
3.	Pre-Bid Meeting	24.02.2025	15:30
4.			
5.	Bid submission start date	05.03.2025	11:00
6.	Purchase of RFP End Date	23.06.2025	18:00
7.	Bid Submission End Date	23.06.2025	20:00
8.	Submission hard copy of required Bid documents	24.06.2025	17:00
9.	Technical Bid & Bid Security Opening Date	27.06.2025	12:30
10.	Financial Bid Opening Date	07.07.2025	16:00

2.8 Connectivity with the sub-station and delivery point:

- SPP may be connected at a Delivery Point as provided in Annexure-1. The selected RPG will be responsible for laying of dedicated evacuation line, getting ROW clearance from SPP to interconnecting sub-station, construction of bay and related switchgear at interconnecting sub-station where the plant is connected to the grid and metering is done at his own cost as per MPERC regulations/ applicable DISCOM utility practices/ CEA standards and relevant provisions of PPA. Alternatively, RPG can get the evacuation lines constructed through DISCOM by paying the applicable cost and other charges. RPG will be responsible for maintaining this dedicated evacuation line.
- It may be noted that BoQ estimates and specifications related to evacuation and connectivity infrastructure shall be as prescribed by concerned Discom/ MPPMCL for various combination of conductors, poles, bays etc. RPGs shall have to follow those prescriptions and no separate approvals would be required for BOQ or associated elements of evacuation infrastructure. A copy of the same in the form of standard operating procedure (SOP) is annexed with this RFP for reference (Appendix-1 of PPA). The same would become a part of PPA as well. In case of any discrepancy, the information hosted on the website of the DISCOM shall prevail.
- The SOP provided at **Appendix-1 of PPA** also contains various activities, compliances, timelines as well as roles and responsibilities of concerned stakeholders.
- In the event the bay and related switchgear is already available at the interconnecting substation, then the associated cost as communicated by the DISCOM has to be reimbursed by the RPG(s) to the DISCOM at pre-determined

rate notified by Discoms at the time of bid submission.

SECTION-III: INSTRUCTIONS TO THE BIDDER

3. INSTRUCTIONS TO THE BIDDER:

- 3.1.** MP Discoms have assessed demand on feeders targeted to be solarized under KUSUM-C and those feeders are mapped against respective substations. A Bidder will have to bid substation-wise for total capacity envisaged for a substation.
- 3.2.** Substation wise estimated project capacities is listed in **Annexure-1** of in this tender. Bidders can place only one bid for one substation. However, a Bidder may submit bids for multiple substations. Bids received for any substation not included in **Annexure 1** of RfP, as amended, shall not be considered for technical or financial evaluation.
- 3.3.** Substation wise estimated project capacities is listed in **Annexure-1** of in this tender. However, if Successful Bidder/ RPG bring to notice of MPUVNL feasibility of a different capacity following methodology as per MNRE's guidelines for component-C of PM KUSUM scheme, MPUVNL may take a reasoned decision in the matter in discussion with Procurer.
- 3.4.** The Bidders are allowed to participate in this tender under two categories i.e. Self-Development Mode and Developer Mode.
- a) **Self-Development Mode:** Under this mode bidders which belong to Individual farmers / group of farmers / cooperatives / panchayats / Farmer Producer Organisations (FPO)/Water User associations (WUA)/Government agricultural institute or other agriculture related institution are allowed to participate under this tender. No financial eligibility criteria are prescribed under RFP for Bidders participating under self-development mode. However, at the time of bidding, Bidder (under self-development mode) needs to own **Prescribed Land** on which bidder (under self-development mode) is intending to set-up the solar power plant under KUSUM – C (feeder solarization) scheme.

Bidder will also submit the land ownership documents, on which setting-up of solar power plant is proposed as mentioned under the FORMAT S2 or D2: General Particular of Bidder. **Within ninety (90) days of execution of PPA, the bidder needs to own/ lease the complete piece of land** which is required

for the setting up the awarded capacity of solar plant under KUSUM – C (feeder solarization) scheme for injecting the power at selected sub-station, and the proof the same will be submitted to MPUVNL. Competent Authority may provide for another thirty (30) days period to allow Successful Bidder to arrange complete piece of land required for concerned Project(s).

For bid participation or post-selection project implementation, land ownership proof shall be following updated certified documents- *khassara/khatauni*, *bhoo-adhikar pustika*, *naksa*, and/or land registry which suffice that land ownership in name of bidder is undisputed. An equivalent documentary evidence may also be considered subject to sole discretion of MPUVNL. However, at any stage during or after bidding, if land ownership status at the time of bidding is found disputed, the participation or selection as RPG may be cancelled and/or appropriate legal actions may be initiated.

Failing to submit the required land ownership documents with Competent Authority, will have right to cancel PPA/ selection of such bidders and take necessary action under laws of land, including forfeiture of bid security and/or blacklisting/ debar of such bidders to participate in any tender of MPUVNL.

- b) **Developer mode:** The Bidders are allowed to participate in this tender as individual entity (Company/ LLP/ Partnership/ Sole Proprietor) or as Bidding Consortium/ Joint Venture of said entities. The bidding entities should be a body corporate incorporated in India under the Companies Act, 1956 / 2013 including any amendment thereto or a Partnership Firm having executed partnership deed and registered as per sections 58 & 59 of the Partnership Act, 1932, as amended or a Limited Liability Partnership Firm (LLP) registered under section 12 of Limited Liability Partnership Act, 2008, as amended or registered Sole Proprietor.

3.5. A Bidder is required to quote one tariff for total SPP capacity associated with all target feeders on a sub-station. Bidders bidding for multiple sub-stations shall quote tariff separately for SPP on respective sub-stations.

3.6. The Bidder is also required to mention QCFA (in MW) against concerned substation. QCFA quoted by the Successful Bidder would be treated as utilized out of cumulative CFA equivalent capacity of 1200 MW available for the purposes of allotment under this tender. Further, following may be noted:

- a) If for any substation, QCFA is more than NCFA (in MW) then NCFA (in MW) would be treated as QCFA (in MW) i.e. QCFA would not be more than NCFA.
- b) Irrespective of QCFA (in MW), Bidder is required to quote fixed levelized tariff for full Project Capacity of concerned substation. Also, it would be considered as deemed that Bidder has quoted fixed levelized tariff for full Project Capacity, not for QCFA or NCFA or any other part of Project Capacity.

Note: The CFA capacity indicated in the data-room would serve as the ceiling CFA available. The bidder would quote both the CFA capacity he wishes to avail and the tariff. The CFA capacity availed by the winning bidder shall be deducted from the available CFA target for allotment purposes. This iterative process will continue from substation with lowest available rate to the next substation in ascending order. The allotment process shall be limited to the available CFA target. However all allotment quantities would also be subject to reasonable rates and the total capacity that MPPMCL is willing to procure. The final capacity to be allotted will be determined as the minimum capacity which can be awarded subject to the above constraints.

- 3.7. A Bidder shall not have a conflict of interest within the same SPP. Bidder(s) shall be disqualified in the SPP(s) where it has conflict of interest. In a particular SPP, the Bidder may be considered to have conflict of interest with one or more parties in this bidding process, if:
 - a) A Bidder submits more than one Bid for a substation in the bidding process, either individually [including bid submitted as authorised representative on behalf of one or more Bidder(s)] or as Member of consortium/ Joint Venture.
 - b) They have a relationship with each other, directly or through common third parties/ Affiliates, that puts them in position to have access to information about or influence on the Bid of another Bidder or influence the decisions of Nodal Agency regarding this bidding process.
- 3.8. Except as required by Competent Authority, Nodal Agency have rights to annul/ cancel the Bid of Bidders who will take any assistance or support in any form from any of the independent consultant or consulting agency who is directly associated with Nodal Agency during preparation/ submission of RFP, PPA or work execution.
- 3.9. Instruction to Bidders on E-Tendering
 - a) For participation in e-tendering module, it is mandatory for Bidders to get

registration on website <https://www.bharat-electronictender.com>. Therefore, it is advised to all Bidders to get registered at the E-Procurement portal at the earliest.

- b) Tender documents can be downloaded from website <https://www.bharat-electronictender.com>.
- c) Service and gateway charges shall be borne by the Bidders.
- d) Upon enrolment, the Bidders will be required to register their valid Digital Signature Certificate (DSC) of appropriate class as specified for the E-Procurement system (in the name of person who will sign the proposal) in the form of smart card/ e-token, from any of the licensed Certifying Authority recognized by CCA India (e.g. Sify/ nCode/ eMudhra, etc).
- e) For further information regarding issue of Digital Signature Certificate, the Bidders are requested to visit website <https://www.bharat-electronictender.com>. Please note that it may take up to 3 to 5 working Days for issue of Digital Signature Certificate. Nodal Agency will not be responsible for delay in issue of Digital Signature Certificate.
- f) The Browser should be Java enabled. Java Runtime Environment (JRE) should be installed in the client system. This can be downloaded from the download links of the eProcurement System.
- g) If Bidder is participating for the first time in e- tendering, then it is advised to fulfil all formalities, such as registration, obtaining Digital Signature Certificate, etc. well in advance.
- h) Bidders are requested to regularly visit the website of MPUVNL and e-tendering portal for any clarification, amendments and / or extension of due date.
- i) Bidder must positively complete online e-tendering procedure at <https://www.bharat-electronictender.com> .
- j) Nodal Agency shall not be responsible in any way for delay / difficulties / inaccessibility of the downloading facility from the website for any reason whatever.
- k) Whosoever on behalf of the Bidder is submitting the tender by his Digital Signature Certificate, shall invariably upload the scanned copy of the authority letter, as well as submit the copy of the same in physical form with the offer of particular Bid.

- l) All Bidders are required to pay bid security as prescribed in this RFP and a copy of the same should be uploaded online by Bidders, as applicable.
- m) After the final submission of bid, Bidder should ensure that he has received the acknowledgment slip and should keep this slip until opening of the Bid. If acknowledgment slip is not generated, it means the Bid is not submitted.
- n) During submission of bid through e-tender portal, Bidder needs to encrypt their technical and financial bid through two separate pass-phrases. A pass-phrase should be of minimum 11 characters containing at least two spaces. Pass-phrases for financial and technical bid should be different.

Both pass-phrases are to be submitted online/ offline to MPUVNL in separate envelope (Writing - Technical Pass Phrase & Financial Pass Phrase) along with other required offline submissions, before the bid submission deadline. [EXAMPLES OF A PASS PHASE- "abc 375 spd" OR "I love India" OR "God is great"].

- o) It is important to note, same pass-phrase should be submitted through offline by the bidder to MPUVNL, as it is required to decrypt the bids. MPUVNL shall not be held liable, in case there is any discrepancy, between the pass-phrases used in encrypting of bids and the submitted in hard copy.

3.10. The Bidders shall have to submit their Financial Bid and Technical Bid/ other required relevant documents/ certificates, if any, online only (duly encrypted bids) as per time schedule (Key dates) as mentioned in Clause 2.7. Only desired Technical Bid documents as prescribed in RfP shall be submitted in hard copies (original copy or print copy, as applicable) to reach to the office undersigned by the Key Dates.

3.11. For any type of clarification, Bidders can visit [https:// www.bharat-electronictender.com](https://www.bharat-electronictender.com) and can call at help desk contact no. From Monday to Friday between 10:00 AM and 6:00 PM (except Government Holidays). ETS Support Email Id is support@isn-ets.com. Customer Support Escalation Mobile No. is +91-8287663763. All these contacts are given on the Portal also.

3.12. Bidders are advised to contact following for more information related to RFP or e-tendering process:

- a) **For RfP related queries: MP Urja Vikas Nigam Officers:** Executive Engineer – 0755-2553595; Assistant Engineer – 8839464361
- b) **Bharat Electronic Tender for E - Tendering process:** Mr Rakesh Ranjan –

3.13. Bidder (s) may opt for training directly from the tendering portal at their own cost.

3.14. ELIGIBILITY CRITERIA

3.14.1. GENERAL

A. Eligible Bidders participating in Self Development Mode:

Eligible Bidders [hereinafter called Renewable Power Generator (RPG)] for participation under Self Development Mode could be- individual farmers, Group of farmers, Cooperatives, Panchayats, Farmer Producer Organizations (FPO), Water User associations (WUA), Government agricultural institute or other agriculture related institutions.

No financial eligibility criteria are prescribed under RFP for Bidders participating under self-development mode. However, at the time of bidding, bidder (under self-development mode) needs to own the Prescribed Land on which bidder (under self-development mode) is intended to set-up the solar power plant under KUSUM – C (feeder solarization) scheme.

B. Eligible Bidders participating in Developer Mode: Following could be Bidders eligible to participate under Developer Mode:

- a) Bidder should be a body corporate incorporated in India under the Companies Act, 1956 or 2013 including any amendment thereto or a Partnership Firm having executed partnership deed and registered as per sections 58 & 59 of the Partnership Act, 1932, as amended or a Limited Liability Partnership Firm (LLP) registered under section 12 of Limited Liability Partnership Act, 2008, as amended or registered Sole Proprietor/ individual person. A copy of certificate of incorporation, partnership deed or LLP/ Sole Proprietor registration/ PAN, as applicable and relevant, shall be enclosed with FORMAT D2: General Particulars of Bidder;
- b) Bidder can form a Bidding Consortium/ Joint Venture of two (2) Companies or LLPs or Partnership Firms or any combination thereof;
- c) Bidder or members of Bidder (in case of Consortium/ JV), should meet net-worth or MAAT criteria required under the RfP.

3.14.2. Blank space.

3.14.3. Bidder or any member of Consortium/ Joint Venture and their Affiliates having been blacklisted or debarred as on bid submission date by Nodal Agency or by any Govt./ PSU, for whatever reasons, shall not be eligible/allowed to participate in this RFP.

3.14.4. Bidders may note following:

- A. **Self-development mode:** Bidders participating under self- development mode, will have one authorized signatory/ representative for the purpose of RFP and subsequent award of works, if any.
- B. **Developer mode:** Bidders may note following:
 - a) There shall be one authorized signatory for Bid and shall substantially be in the form set out FORMAT D5: Power of Attorney. In case sole proprietor firm as Bidder, no power of attorney would be required if authorized signatory is proprietor of such firm.
 - b) The Members of the Consortium/ JV shall nominate a Lead Member. Such nomination shall be supported by a power of attorney signed by all the Members of Consortium/ JV (and duly acknowledged by the Lead Member) and shall substantially be in the form set out FORMAT D5: Power of Attorney.
 - c) The Lead Member shall have the authority to represent all the Members of the Consortium/ JV during the Bid Process.
 - d) In a situation, where a consortium/ JV that is selected as a Successful Bidder, decides not to form a Project Company, the Lead Member would be responsible for all the correspondence and documentation.
 - e) In case Bidder is a Consortium/ joint venture, an agreement as per FORMAT D9: Format for Consortium Agreement shall be required to be furnished along with the Bid.
 - f) A Bidder, as sole bidder, shall not be allowed to reduce its equity for at least first operational year from COD (equity lock-in period, as applicable to such specific cases).
 - g) In-case members/ Lead Member of Consortium/ Joint Venture has referred its Affiliate to meet the Financial Eligibility criteria, then the same relationship with the Affiliate by the Bidder shall continue at least for the period of First Operational Year (equity lock-in period, as applicable to such specific cases). Further, affiliate of lead member or member of consortium/ JV shall

furnish the details, as sought in FORMAT D1: Covering Letter and FORMAT D6: Financial Eligibility Criteria Requirement.

- h) If Bidder, as consortium/ JV, is meeting financial eligibility jointly through its members, members of such consortium/ joint venture shall not be allowed to reduce their equities in respective entities for at least first operational year from COD (equity lock-in period, as applicable in this specific case).

3.14.5. FINANCIAL ELIGIBILITY CRITERIA:

1. **Self-development mode** - For Bidders participating and submitting bid under this mode (i.e. Individual farmers or Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or Government agricultural institute or other agriculture related institutions), no financial eligibility requirement is prescribed under this RFP.
2. **Developer Mode:** Following financial eligibility criteria (net-worth or MAAT) would be evaluated for Bidder based on audited annual financial statements. Bidders participating as consortium/ joint venture, as per RfP, can meet financial eligibility criteria jointly or individually through its members. However, such Bidder (participating as Consortium/ JV) shall not be allowed to reduce their equities in respective entities for at least first operational year from COD (equity lock-in period, as applicable in this specific case):
 - a) Net-worth of the Bidder (in case of sole bidder) or members of Consortium/ JV (in case of bidder as Consortium/ JV), should be a minimum of INR 1 crore per MW based on latest available audited financial statement (CA Certified Net Worth, in case of sole Proprietor) i.e. FY24 or FY25. Net-worth will be calculated as follows:

Sr No	Particulars	Amount
1.	Paid Share Capital in case of Companies/ Partnership Capital in case of Partnership Firm /Proprietors' Capital or CA Certified Net Worth of sole Proprietor in case of Proprietorship firm	
2.	Add: Reserve created out of profits	
3.	Add: Security Premium Account in case of Companies	
4.	Add: Credit Balance of Profit and Loss Account	
5.	Add: Credit Balance of Deferred Tax Assets in case of Companies	

6.	Total
7.	Less: Aggregate value of accumulated losses
8.	Less: Debit Balance of Profit and Loss Account
9.	Less: Deferred Expenditure and Miscellaneous Expenditure not written-off
10.	Less: Reserves created out of revaluation of assets, write-back of depreciation and amalgamation
11.	Less: Debit Balance of Deferred Tax Assets in case of Companies
12.	Net Worth

r (in case of sole bidder) or members of Consortium/ JV (in case of bidder as Consortium/ JV), should have enough liquidity to manage the fund requirements for the Project, which shall be assessed through minimum average annual turnover (MAAT) of any of two (2) financial years among FY22, FY23 and FY24 or FY23, FY24 and FY25 to be at least INR 2.00 Crore per MW for the capacity applied for each.

Turnover means the gross amount of revenue recognised in the profit and loss account from the sale, supply or distribution of goods or an account of services rendered or both by a company/ partnership firm/ proprietorship firm during a financial year, but it does not include non-operational income.

- c) Bidder or members of Bidder (in case of Consortium/ JV), should meet net-worth or MAAT criteria required under the RfP. In case a Bidder or members of Bidder (in case of Consortium/ JV) submit net-worth as well as MAAT towards fulfilment of Financial Eligibility Criteria, the one which makes Bidder eligible for maximum capacity would be considered for eligibility and evaluation purposes in accordance with Section IV of RfP.

Note:

1. The Bidder should be eligible to apply for the substation that they are bidding in.
2. Bidder(s) would have choice to participate against any number of substations, subject to fulfilling net-worth or MAAT criterion for the substation which has the maximum Project Capacity amongst the substations Bidder has bid for. If they are Successful Bidder for multiple substations, the eligibility criterion requirement shall add up.

Illustration- considering above requirement of net-worth or MAAT:

- (a) If Bidder has a net-worth of INR 2 crore, Bidder would be eligible to bid for a substation with Project Capacity of less than or equal to 2 MW. Any bid submitted for a Project Capacity greater than 2 MW would not be

considered a valid bid for that substation. Similarly, if Bidder has MAAT of INR 4 crore, Bidder would be eligible to bid for a substation with Project Capacity of less than or equal to 2 MW. Any bid submitted for a Project Capacity greater than 2 MW would not be considered a valid bid for that substation.

- (b) A Bidder with net-worth of INR 4 crore would be eligible to bid for any number of substations subject to Project Capacity(ies) being limited to less than or equal to 4 MW. However, at the time of project award, the final allotment would be done, as per process laid down in Section IV, to a maximum capacity of 4 MW. Similarly, a Bidder with MAAT of INR 10 crore would be eligible to bid for any number of substations subject to Project Capacity(ies) being limited to less than or equal to 5 MW. However, at the time of project award, the final allotment would be done, as per process laid down in Section IV, to a maximum capacity of 5 MW.*
- (c) A Bidder with net-worth of INR 4 crore and MAAT of INR 10 crore would be eligible to bid for any number of substations subject to Project Capacity(ies) being limited to less than or equal to 5 MW. However, at the time of project award, the final allotment would be done, as per process laid down in Section IV, to a maximum capacity of 5 MW. Similarly, a Bidder with net-worth of INR 6 crore and MAAT of INR 8 crore would be eligible to bid for any number of substations subject to Project Capacity(ies) being limited to less than or equal to 6 MW. However, at the time of project award, the final allotment would be done, as per process laid down in Section IV, to a maximum capacity of 6 MW.*

3.14.6. For all types of Bidders (Companies/ LLPs/ Partnership/ sole proprietor), computation of net worth shall be based on latest consolidated/ unconsolidated audited annual accounts (CA Certified Net Worth, in case of sole Proprietor) of FY24 or FY25, as applicable.

3.14.7. For all types of Bidders (Companies/ LLPs/ Partnership/ sole proprietor), computation of MAAT shall be based on consolidated/ unconsolidated audited annual accounts of any two (2) financial years among FY22, FY23 and FY24 or FY23, FY24 and FY25, for which latest FY consolidated/ unconsolidated audited annual statements are available.

3.14.8. In relation to a Partnership Firm/ Limited Liability Partnership Firm, the Net-worth shall be equal to Partner's Capital in case of a Partnership

Firm/Limited Liability Partnership Firm and Proprietor's Capital Account in case of Sole Proprietor (including any reserves). The net-worth shown should not be earlier than FY24.

Note:

1. For the purpose of evaluation of Bidder, a certificate from Chartered Accountant (CA) clearly mentioning the UDIN number etc., in support of Bidder's claim for meeting the financial eligibility criteria shall be mandatorily submitted online (FORMAT D6: Financial Eligibility Criteria Requirement). Such certificate shall clearly undertake that calculation of net-worth or MAAT, as applicable, has been done in accordance with methodology prescribed in this RFP.
2. For the purposes of meeting financial requirements, only latest unconsolidated audited annual accounts shall be used as prescribed in this RfP. However, audited consolidated annual accounts of the Bidder may be used for the purpose of financial requirements provided the Bidder has at least twenty six percent (26%) equity in each company whose accounts are merged in the audited consolidated accounts.

3.15. CHECK-LIST:

To ensure that the online and only minimum required hard copy submission of RFP is complete in all respects, check-lists are required to be duly tick marked/filled for the enclosures which are attached with the RFP document. The requisite documents required for application, are indicated in the check-list. It is essential for the Bidders to submit check-list duly sealed and signed with Bid. However, check-list given in RfP is indicative, and Bidder shall be responsible for meeting and submitting all information requirement as per provisions of this RFP.

3.16. INCORPORATION OF A PROJECT COMPANY BY BIDDERS:

- a) In case a Bidder is selected as a Successful Bidder, it can choose to incorporate a Project Company/ SPV. In case a Bidder is a consortium/ JV, it would be mandatory to incorporate a Project Company to sign the PPA. The said Project Company has to be formed within thirty (30) days from the issuance of LOA. Further, Bidder/ RPG shall be responsible to get all required clearances in the name of the Project Company, and transfer already obtained clearances, if any.
- b) Except in case of a Bidder being a listed company, the aggregate equity

shareholding of the Successful Bidder in the issued and paid up share capital, and the voting rights of the Project Company shall not be less than fifty one percent (51%) up to a period of one (1) year as calculated from Commercial Operation Date of concerned Project.

- c) Further, any member of the consortium/ JV or Partner in a Partnership firm or an LLP, shall maintain individual equity in newly formed Company of, at least, 51% of its share in the bidding consortium/ JV or in the partnership deed, as the case may be, submitted along with the Bid, up to a period of one (1) year as calculated from Commercial Operation Date of concerned Project.
- d) The Affiliate of a Successful Bidder or in case of a Consortium/ JV, its member, whose financial credentials have been relied upon by the Successful Bidder to demonstrate Financial Eligibility, is also permitted to execute the PPA by itself or by forming an SPV, as the case may be. In such cases, all the obligations and liabilities of the Successful Bidder as set out in the Bid Documents shall apply to the Affiliate.
- e) Except in case of a Bidder being a listed company, in the event that the Successful Bidder, which is a single Entity, chooses not to incorporate any Project Company, then the shareholders of the Successful Bidder, as on the date of submission of the Bid, shall not decrease their ownership below 51% until the expiry of a period of 1 (one) year from the COD. If the successful bidder forms a Project Company (SPV), the shareholders of the Successful Bidder, as on the date of submission of the Bid, shall continue to hold up to 51% of the total ownership of the Project Company (SPV), from the date of incorporation of SPV until the expiry of 1 (one) year from COD.
- f) Except in case of a Bidder being a listed company, any change in ownership and liabilities shall be in accordance with Article 15 of the PPA.

Special note:

Though Partnership firms are allowed to participate in RfP, it is understood that Partnership firms are not eligible to form SPV or Project Company as per Indian laws. Concerned entities/ firms are advised to take prudent decision after their own due diligence in the matter. MPUVNL or its officers and advisors shall not be responsible for anything in this matter

3.17. BID SUBMISSION BY THE BIDDER:

- a) The information and/ or documents shall be submitted by the Bidder as per the formats specified in this document.
- b) Bid(s) that are incomplete in any respect or those that are not consistent with the requirements as specified in this RFP or those that do not adhere to formats prescribed herein, wherever specified, may be considered non-responsive. However, Nodal Agency reserves the right to seek additional information/ clarifications/ documents from the Bidders, if found necessary, during evaluation/ processing of the Bid(s). A period of seven days would be given for submitting such additional information/ clarifications/documents. Such additional information/ clarifications/documents would be considered a part of the bid. Non-submission or delayed submission of such additional information or clarifications sought by Nodal Agency may be a ground for rejecting the Bid(s).

Important note: Additional information/ clarification is limited to fact/ data/ document which are either historical in nature and existed before Bid Deadlines.

- c) Each format must be duly signed and stamped (if applicable) by the authorized signatory of the Bidder. In case of a Consortium/ Join Venture, it must be signed by authorized representative of the Lead Bidder. Strict adherence to the documents required to be submitted as per clause 3.19 shall be ensured, failure on this account may lead to rejection of Bid.
- d) As relevant and eminently necessary, not compulsorily, Nodal Agency may seek documentary evidence in support of meeting eligibility criteria as indicated in this RFP to the satisfaction of Nodal Agency and the Bidder shall furnish the same in prescribed timelines, failing which Nodal Agency shall not be answerable or accountable for any consequential impact on Bidder or Bid.
- e) As relevant, Bidder/ Bidding Company/ Consortium/ Joint Venture should designate one person to represent the Bidding Company in its dealings with Nodal Agency. The person should be authorized to perform all tasks including, but not limited to providing information, responding to enquires, signing of Bid etc. The Bidder should submit, along with Bid, a Power of Attorney in original as per FORMAT D5: Power of Attorney for authorizing the signatory of the Bid.

3.18. CLARIFICATIONS AND PRE-BID MEETING:

- a) The Bidder may seek clarifications or request amendments to RFP in writing, through e-mail to reach Nodal Agency on or before date and time mentioned in

Bid Information Sheet.

- b) The Bidder(s) or their authorized representative(s) is / are invited to attend (physical or VC as may be applicable) pre-bid meeting(s), which will take place on date(s) as specified in Bid information Sheet, or any such other date as notified by Nodal Agency.
- c) The purpose of the pre-bid meeting will be to clarify any issues regarding the RfP including, issues raised in writing and submitted by the Bidder.
- d) Nodal Agency is not under any obligation to entertain/ respond to suggestions made or to incorporate modifications sought for.

3.19. BID DOCUMENTS:

Bidder needs to mandatorily submit scanned copies of all formats along with necessary support documents (if applicable) ONLY on the e-tendering portal ([https:// www.bharat-electronictender.com](https://www.bharat-electronictender.com)).

However, documents/ formats/ agreements required on stamp paper, Bid Security (if in the form of Bank Guarantee) and such other documents/ formats as may be required under this RFP shall be submitted in original hard copies to MPUVNL as per key dates.

Further, Bidder to note that Financial Bid shall be submitted ONLY through online portal. Any deviation from this shall lead to cancellation of Bid submitted by concerned Bidder.

Bidders shall have to submit following documents:

- i. **ONLINE submission by Bidders participating in Developer Mode:** Scanned copies or proof thereof of the following documents have to be MANDATORILY uploaded on the e-tendering portal:
 - 1. FORMAT D1: Covering Letter
 - 2. FORMAT D2: General Particulars of the Bidder, General particulars of Bidder, including Certificate of Incorporation of Bidder/ Affiliate as applicable.
 - 3. FORMAT D3: Shareholding certificate for company / partner contribution in a partnership firm (as applicable), bidder's composition

and ownership structure as per prescribed in shareholding certificate for a Company/ Partner contribution for an LLP certified by Director/ practicing Chartered Accountant/ Company Secretary and authorized signatory of the Bidder (as applicable).

4. FORMAT D4: Bid Security, if applicable in the form of bank guarantee.
5. FORMAT D5: Power of Attorney, Original power of attorney (on the stamp value of Rs.1,000/-, as per, as applicable) issued by the Bidder (in case of consortium/ JV then by lead consortium/ JV member) in favour of the authorized person signing the Bid, in the form prescribed in this RFP (Power of Attorney must be supplemented by Board Resolution to above effect for the company incorporated under Company Act 1956 or Company Act-2013 OR Partnership Deed/ Agreement or such other equivalent documents).
6. FORMAT D6: Financial Eligibility Criteria Requirement.
7. FORMAT D7: Format for certificate of relationship of affiliate with the bidder, if applicable, supported by Board Resolution of the Affiliate.
8. FORMAT D8: Undertaking Form, if applicable Undertaking(s) from the member of Consortium or Affiliate of Bidder/ Affiliate of lead member of Consortium, as applicable.
9. FORMAT D9: Format for Consortium/JV Agreement for Participation in for Consortium/ JV Agreement, if applicable.
10. FORMAT D10: Power of attorney in favour of lead member of the consortium/ JV.
11. FORMAT D11: Declaration (for submission of Bid and acceptance of terms and conditions of RFP).
12. FORMAT D12: Deleted
13. Proof of bid processing fee submission.

- ii. **OFFLINE submission of original documents by Bidders participating in Developer Mode:** Original hard copies of the following documents have to be submitted to MPUVNL as per key dates for reference and records:

1. FORMAT D4: Bid Security, if applicable in the form of bank guarantee
2. Pass-phrases for decrypting Technical Bid and Financial Bid should be submitted e-mail by the bidder to MPUVNL.

iii. **ONLINE submission by Bidders participating in Self Development Mode:**

Scanned copies or proof thereof of the following documents have to be MANDATORILY uploaded on the e-tendering portal:

1. FORMAT S1: Covering Letter
2. FORMAT S2: General Particulars of the Bidder, General particulars of Bidder, including Certificate of Incorporation of Bidder/ Affiliate as applicable.
3. FORMAT S3: Unconditional acceptance of RFP terms and conditions
4. FORMAT S4: Undertaking for participation under Self-Development-Mode
5. FORMAT S5: Bid Security, if applicable in the form of bank guarantee;
6. FORMAT S6: Declaration, to be stamped on non – judicial stamp paper of minimum INR 1000 value;
7. FORMAT S7: Power of Attorney for authorized representative to be stamped on non – judicial stamp paper of minimum INR 1000 value, if applicable;
8. FORMAT S8: Joint Bidding Agreement to be stamped on non – judicial stamp paper of minimum INR 1000 value, if applicable;
9. FORMAT S9: Power of attorney in favour of lead member of the joint bidding to be stamped on non – judicial stamp paper of minimum INR 1000 value, if applicable;
10. Proof of bid processing fee submission.

iv. **OFFLINE submission of original documents by Bidders participating in Self Development Mode:** Original hard copies of the following documents have to be submitted to MPUVNL as per key dates:

1. FORMAT S5: Bid Security, if applicable in the form of bank guarantee;
 2. Pass-phrases for decrypting Technical Bid and Financial Bid should be submitted e-mail by the bidder to MPUVNL.
- v. Hard or scan (soft) copy of RfP document and its amendments and corrigenda are **NOT REQUIRED** to be submitted online or offline.

3.20. METHOD OF BID SUBMISSION

- a) Except for the hard copy submission to MPUVNL as required under the RfP, **bidders are required to mandatorily submit technical bid**, along with all relevant documents as detailed in Clause 3.19 above, **online at e-tendering portal**.
- b) **Financial Bid** shall be submitted **only through online mode** with due encryption through passphrase. ONLINE BID PORTAL SHALL ALERT A BIDDER TWO (2) TIMES TO CHECK IF HE HAS SUBMITTED ONLINE FINANCIAL BID. Failure to submit correct online financial bid shall be sole responsibility of Bidder.
- c) For hard copy submission, the Bidder has the option of sending necessary documents either by registered post or by speed post or by hand delivery, so as to reach Nodal Agency by deadlines as per key dates. Nodal Agency shall not be responsible for any delay in receipt of the required hard copies of documents as prescribed under this RfP. It should be noted that except online Financial Bid, no other envelope/document should contain any information/ document relating to Financial Bid. Nodal Agency shall not be responsible for premature opening of the Financial Bid in case of non-compliance of above. In such non-compliances, Competent Authority may reject bid of such Bidders at any stage without any liability on Nodal Agency or its advisors.
- d) **In case of hard copy submission (as applicable):** Hard copies required to be submitted under this RfP should be submitted in appropriate manner duly signed by same authorized signatory, as applicable. Further, any officially published/ historical document submitted with the Bid may be signed by the authorized signatory, if applicable.
- e) **In case of online bid submission:** In terms of Section 3 and 3A of chapter-II and Section 4, 5 and 6 of chapter-III of the Information Technology Act, 2000, as amended, digitally signed documents shall be treated equivalent to affixing hand written signature of authorized signatory of the Bidder. Such documents may not require hand-written signature of authorized signatory.

3.21. BID DEADLINE:

- a) The Bidder should submit the online Bid on or before the time schedule mentioned in Bid Information Sheet.

3.22. VALIDITY OF BID:

- a) The bid shall remain valid for a period of one hundred and eighty (180) Days from the date of bid deadline and will be called the Bid Validity Period for this tender. In case, Successful Bidder/ RPG is revoking or cancelling his offer or varying any term & conditions in regard thereof or not accepting Letter of Award ("LOA"), Nodal Agency shall forfeit Bid Security and take other necessary action as specified in the RFP. The date of issuance of LOA shall be intimated by the Nodal Agency to the Successful Bidder. In exceptional circumstances if LOA is not issued to the Successful Bidder(s), the Nodal Agency may solicit the Bidder's consent to an extension of the period of Bid Validity Period by 90 days.

3.23. COST OF BIDDING:

- a) The Bidder shall bear all the costs associated with the preparation and submission of his offer, Nodal Agency in any case will not be responsible or liable for these costs, under any conditions. The Bidder shall not be entitled to claim any costs, charges and expenses of and incidental to or incurred by him through or in connection with submission of Bid even though Nodal Agency may elect to modify/ withdraw the invitation of Bid.

3.24. BID SECURITY:

3.24.1. Bidder is required to submit interest free Bid Security at a rate of INR 1 lakh per MW or part thereof through NEFT/ RTGS in the account of MPUVNL provided below or in the form of bank guarantee as per prescribed format in this RFP or FDRs from commercial bank pledged in the name of MPUVNL or Account Payee Demand Draft or Unconditional Insurance Surety Bond. It shall be valid for 180 days from the bid deadline. It may be extended further for a period of ninety (90) days with mutual consent of the nodal agency and bidder. Scanned copy of bid security shall be uploaded online at e-tendering portal at the time of submission of Bid and original hard copy of bid security, if in the form of bank guarantee, shall be submitted to MPUVNL along with hard copies of bid documents as required in RFP.

- a) Account Holder Name: M. P. Urja Vikas Nigam Ltd.
- b) Bank Name: ICICI Bank Ltd.
- c) Bank Branch Address: Shivaji Nagar, Bhopal
- d) Account No.: 656501700049

- e) IFSC Code: ICIC0006565
- f) MICR Code: 462229012

MSMEs are exempted from paying Bid Security (please refer definition of MSME).

No exemption towards Bid Security is allowed to any Govt./ semi-Govt./ PSUs.

Farmers are exempted from paying Bid Security, subject to meeting necessary criteria as per definition of Farmer in RfP.

Notwithstanding other rights or actions Nodal Agency in accordance with provisions of this RFP or law, Nodal Agency shall forfeit Bid Security if:

- a) a Bidder withdraws/ revokes or cancels or unilaterally varies his Bid in any manner during the Bid Validity Period specified in the RFP document.
- b) Successful Bidder fails to accept the LOA or submits the PBG of needful value in the stipulated time.
- c) Successful Bidder fails to sign the PPA within the indicated timelines, unless there is default/ delay from Procurer or Govt. of Madhya Pradesh.

3.24.2. Bid Security shall be returned to all other Bidders except Successful Bidder, within fifteen (15) Days from date of opening of Financial Bid. The Bid Security of the Successful Bidder will be returned at the earliest after submission of PBG of required value as per RFP.

3.24.3. Bidders placing Bid for more than one Project may furnish individual Bid Security desired for each Project or single bid security for the combined capacity as they may choose.

3.24.4. After opening of financial bid, Bid Security submitted by Bidder would be applied in accordance with Cl. 4.3 of RFP to determine Qualified Bid(s)/ Qualified Bidder(s).

3.25. OPENING OF BID - Online:

Technical Bid of the Bidders for evaluation purpose, shall be opened online at the mentioned date and time in Key Dates as mentioned under 2.7.

Financial Bids of the Qualified Bidders will be opened online at the mentioned date

and time in Key Dates as mentioned under clause no. 2.7.

3.26. RIGHT TO WITHDRAW THE RFP AND TO REJECT ANY BID:

- a) This RFP may be withdrawn or cancelled by the Nodal Agency at any time without assigning any reasons thereof. The Nodal Agency further reserves the right, at its complete discretion, to reject any or all of the Bids without assigning any reasons whatsoever and without incurring any liability on any account.
- b) The Nodal Agency reserves the right to interpret the Bid submitted by the Bidder in accordance with the provisions of the RFP and make its own judgment regarding the interpretation of the same. In this regard the Nodal Agency shall have no liability towards any Bidder and no Bidder shall have any recourse to the Nodal Agency with respect to the selection process.
- c) Nodal Agency reserves its right to vary, modify, revise, amend or change any of the terms and conditions of the RFP before Bid Deadline. The decision regarding acceptance of Bid by Nodal Agency will be full and final.

3.27. ZERO DEVIATION:

- a) Bidder is to ensure compliance of all provisions of the RFP and submit their Bid accordingly. Bid with any deviation to the RFP conditions shall be liable for rejection without any explanation.

3.28. EXAMINATION OF BID DOCUMENT:

- a) Before submission of Bid, Bidder is required to carefully examine the technical specification, terms and conditions of RFP/Agreement, and other details relating to envisaged work as per the RFP.
- b) The Bidder shall be deemed to have examined the RFP and Agreement, to have obtained information on all matters whatsoever that might affect the execution of the Project activity and to have satisfied himself as to the adequacy of his Bid. The Bidder shall be deemed to have known the full scope, nature and magnitude of the work and related supplies and the requirements of material and labour involved etc. and as to all supplies he has to complete in accordance with the RFP.
- c) Bidder is advised to submit the Bid on the basis of conditions stipulated in the RFP. Bidder's standard terms and conditions, if any for what-so-ever reasons, will not be considered. The cancellation/ alteration/ amendment/

modification in RFP shall not be accepted by Nodal Agency and shall invite rejection of such Bid(s).

- d) Bid not submitted as per the instructions to Bidder is liable to be rejected. Bid shall confirm in all respects with requirements and conditions referred in this RFP or its amendments, if any.

3.29. CHANGE IN LAW

- a) If such reference comes up after execution of PPA, Change in Law shall have the meaning ascribed thereto in Article 12 of the PPA. Treatment of change in law shall be accordingly.
- b) Else, change in law shall be referenced with respect to last date of submission of online bid and shall be covered as per provisions of RfP.

3.30. TAXES AND DUTIES:

- a) The Financial Bid should include all taxes and duties etc., if any. Power Producer shall be entirely responsible for all taxes, duties, license fees, etc. All taxes shall be payable by the Power Producer. However, if any new change in tax/ duty and cess is effected in the period after the Financial Bid Submission Deadline the same shall be dealt in accordance with Article 12 of the PPA.

3.31. PROGRESS REPORT:

- a) Power Producer shall have to commission the Project within eighteen (18) Months from the date of LOA. The Power Producer shall submit monthly progress report to Nodal Agency in the prescribed proforma to be designed in discussion with Nodal Agency till the COD. Nodal Agency shall have the right to depute his/ their representatives to ascertain the progress at the premises of work of the Power Producer.

3.32. FORCE MAJEURE:

- a) For purpose of this RFP, force majeure shall mean an event beyond the control of the Power Producer and not involving his fault or negligence and not foreseeable, in its contractual capacity. Such events may include but are not restricted to Acts of God, wars or revolutions, fires, floods, epidemics, quarantine restriction, fright embargoes, site clearance etc. Whether a force majeure situation exists or not, shall be decided by Nodal Agency and its

decision shall be final and binding on the Power Producer and all other concerned.

- b) If the Power Producer is not able to perform his obligations under this Agreement on account of force majeure, he will be relieved of his obligations during the force majeure period.
- c) If a force majeure situation arises, the Power Producer shall promptly notify Nodal Agency and Power Procurer both in writing, not later than three (3) Days from the date such situation arises (in case, communication is not possible to Nodal Agency, Power Producer shall notify Nodal Agency not later than one (1) Days from the day when communication system will be restored). The Power Producer shall notify Nodal Agency and Power Procurer not later than three (3) Days of cessation of force majeure conditions. After examining the cases and associated facts, Nodal Agency shall decide and grant suitable additional time for the completion of the work, if required.
- d) Failure of such Power Producer in timely intimating Nodal Agency will suspend its right for any relief otherwise eligible under such force majeure conditions.

3.33. APPLICABLE LAW:

- a) The Agreement shall be interpreted in accordance with the laws of India.

3.34. SETTLEMENT OF DISPUTE:

- a) If any dispute of any kind whatsoever arises between Nodal Agency and the Power Producer in connection with or arising out of the Agreement including without prejudice to the generality of the foregoing, any question regarding the existence, validity or termination, the parties shall seek to resolve any such dispute or difference by mutual consent.
- b) If the parties fail to resolve, such a dispute or difference by mutual consent, within forty five (45) Days of its arising, then the dispute shall be referred by either party by giving notice to the other party in writing of its intention to refer to arbitration conducted under the provisions of the "Madhya Pradesh Madhyastham Adhikaran Adhiniyam, 1983". The decision of MP Madhyastha Adhikaran Adhiniyam shall be final and binding up on the parties. The language of the arbitration proceedings and that of the

documents and communications between the parties shall be English. All the dispute will be settled in the High Court of MP. No arbitration proceedings will commence unless such notice is given.

- c) Notwithstanding any reference to the arbitration herein, the parties shall continue to perform their respective obligations under the Agreement unless they otherwise agree.
- d) Cost of arbitration shall be borne as per the award of the arbitration.

3.35. LANGUAGE:

- a) All documents, drawings, instructions, design data, calculations, operation, maintenance and safety manuals, reports, labels and any other data shall be in Hindi/English Language. The Agreement and all correspondence between the Nodal Agency and the Bidder shall be in Hindi/English language.

3.36. AMENDMENT:

- a) Nodal Agency reserves the right to modify, amend or supplement RFP documents including all formats, appendixes and annexures at any time. Bidder are advised to follow and keep track of Nodal Agency website for updated information till the selection of Bidder. No separate notifications will be issued for such notices/amendments/clarification etc. in the print media or individually. Nodal Agency shall not be responsible and accountable for any consequences to any party.

3.37. SEVERABILITY:

- a) It is stated that each paragraph, clause, sub-clause, schedule or appendixes annexure of this contract shall be deemed severable, and, in the event of the unenforceability of any paragraph, clause sub-clause, schedule or the remaining part of the paragraph, clause, sub-clause, schedule, appendixes, annexure & rest of the contract shall continue to be in full force and effect.

3.38. PREFERENCE:

- a) Unless specifically provided in RfP, there is no relaxation in terms of any conditions of the RFP or Bid Processing Fee or Bid Security or PBG for any Bidder participating in Self Development Mode or in Developer Mode (private company or State or Central company/ agency).

- b) The bid processing fees will be paid to MPUVNL in following account (through RTGS/ NEFT) and proof of the same shall be mailed to MPUVNL as well as submitted with online bid:

- i. Account Holder Name: M. P. Urja Vikas Nigam Ltd.
- ii. Bank Name: ICICI Bank Ltd.
- iii. Bank Branch Address: Shivaji Nagar, Bhopal
- iv. Account No.: 656501700049
- v. IFSC Code: ICIC0006565
- vi. MICR Code: 462229012

3.39. TAX EXEMPTIONS:

- a) Nodal Agency will extend possible cooperation to Power Producer in availing any tax exemptions. However, the responsibility of availing any such exemptions, if any, would rest with the Power Producer.

3.40. FRAUD AND CORRUPTION

The Power Producers, suppliers and contractors and their sub-contractors under the contracts are required to observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this, the Nodal Agency:

- a) Defines, for the purpose of this provision, the terms set forth below as follows:
- i. **“Corrupt practice”** is the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence improperly the actions of another party;
 - ii. **“Fraudulent practice”** is any act or omission, including a misrepresentation, that knowingly or recklessly misleads or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
 - iii. **“Collusive practice”** is an arrangement between two or more parties designed to achieve an improper purpose, including to influence improperly the actions of another party;
 - iv. **“Coercive practice”** is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to

influence improperly the actions of a party;

v. **“Obstructive practice” is**

aa) deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements to investigators in order to materially impede a Nodal Agency’s investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; and/ or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation;

or

ab) acts intended to materially impede the exercise of the Nodal Agency’s inspection and audit rights.

- b) will reject a proposal for award if it determines that the Successful Bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive or obstructive practices in competing for the contract in question;
- c) will sanction a firm or individual, including declaring ineligible, either indefinitely or for a stated period, to be awarded a contract if it at any time determines that the firm has, directly or through an agent, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for, or in executing, a contract; and
- d) will have the right to require that the provision be included in Bidding Documents and in contracts, requiring Bidders, suppliers, and contractors and their sub-contractors to permit the Nodal Agency to inspect their accounts and records and other documents relating to bid submission and contract performance and to have them audited by auditors appointed by the Nodal Agency.

3.41. DEBARRED FROM PARTICIPATING IN NODAL AGENCY’S TENDER

- a) Agency reserves the right to carry out the performance review of each Bidder from the time of submission of Bid onwards. In case it is observed that a Bidder has not fulfilled its obligations in meeting the various timelines envisaged, in addition to the other provisions of the RFP, such Bidder may be debarred/ blacklisted from participating in Nodal Agency’s any future

tender/ RFP for a period of five (5) years.

3.42. CENTRAL FINANCIAL ASSISTANCE (CFA) FROM GOVT. OF INDIA

- a) Subsidy from Govt. of India in the form of central financial assistance (CFA) for feeder level solarization (FLS) projects under component-C of PM KUSUM scheme would be in accordance with guidelines and/ or orders of Ministry of New and Renewable Energy, Govt. of India (MNRE) as applicable on bid submission end date.
- b) As per MNRE order dated 29.01.2024 read with its order dated 14. 02. 2024, CFA of INR 1.05 crore/ MW i.e. 30% of estimated project cost of INR 3.5 crore, shall be available for FLS projects under component-C of PM KUSUM scheme till any further update is announced by MNRE. This subsidy is irrespective of actual cost of project incurred by RPG.
- c) CFA would be to the extent of “Quoted CFA Capacity” or “QCFA”, as mentioned in the tender documents.
- d) As per MNRE order dated 05.04.2024 or its applicable amendments, the release of CFA shall as per manner and milestones prescribed below:

CFA release/ tranches	Milestone achieved	Activities to be completed by project developer	Release mechanism
30% of CFA as first instalment	30% of work	(i) Letter of award and signing of PPA by RPG with Procurer. (ii) Signing of EPC contract and releasing of advance to EPC contractor. (iii) Encumbrance free land available for project with either copy of land record with RPG ownership or copy of lease agreement. (iv) Bay allocation letter received from Discom. (v) Escrow agreement, if financial	30% CFA would be released to Nodal Agency on submission of documents duly verified by Nodal Agency.

CFA release/ tranches	Milestone achieved	Activities to be completed by project developer	Release mechanism
		<p>assistance is obtained from FI/ banks.</p> <p>(vi) GST invoices of solar module, inverters and transformer, with a suitable declaration establishing deployment of indigenous modules, inverters and BOS components.</p> <p>(vii) Financial closure of project.</p> <p>(viii) 50% completion of preliminary civil work, including foundation for module mounting etc.</p>	
30% of CFA as second instalment	75% of work	<p>(i) Completion of preliminary civil work, including foundation for module mounting structure etc.</p> <p>(ii) Receipt of solar PV module and solar inverter at project site.</p> <p>(iii) 75% completion of installation work of solar PV modules.</p>	Second instalment would be released to Nodal Agency.
40% of CFA as final instalment	100% of work	<p>(i) Instalment of 25% shall be released through Nodal Agency on completion of the plant commissioning.</p> <p>(ii) 15% on successful performance of the solar</p>	Final instalment would be released to Nodal Agency.

CFA release/ tranches	Milestone achieved	Activities to be completed by project developer	Release mechanism
		plants for two (2) months after the commissioning, with achievement of at least one month CUF as per the minimum CUF agreed in PPA	

CFA released to nodal agency shall be transferred to the lender/ financier in case the project is under financing. Otherwise, it shall be released to the RPG once the compliances with regard to eligibility have been duly verified.

SECTION IV: BID EVALUATION

4. BID EVALUATION:

4.1. THE EVALUATION PROCESS COMPRISES THE FOLLOWING FIVE STEPS:

- a) Step I - Responsiveness check of Technical Bid and Evaluation of Bidder's fulfilment of Eligibility Criteria described in Section-I & III.
- b) Step II - Evaluation of Financial Bid
- c) Step III – Identification of Financially Qualified Bidder and filling required bucket
- d) Step IV – Selection of Successful Bidder.

4.2. RESPONSIVENESS CHECK OF TECHNICAL BID:

The Technical Bid submitted by Bidder (both the hard copies of required documents and the online Bid) shall be scrutinized to establish responsiveness to the requirements laid down in the RFP. However, subject to decision of Competent Authority, if there is any difference between hard copy and online copy, **the online version of submitted Bid and associated documents will prevail.**

Any of the following may cause the Bid to be considered “non-responsive” and liable to be rejected, at the sole discretion of Nodal Agency, subject to sufficient justification and decision of Competent Authority:

- a) Bid that are incomplete, i.e. not accompanied by any of the applicable and required formats;
- b) Bid not accompanied by contents of as per RfP;
- c) Bid not signed by authorized signatory and / or stamped in the manner indicated in this RFP;
- d) Material inconsistencies in the information / documents submitted by the Bidder affecting the Eligibility Criteria;
- e) Bid being conditional in nature;
- f) Bid not received by the Bid Deadline;
- g) Bid having conflict of interest;
- h) Bidder makes any misrepresentation;
- i) Any other act of Bidder which may be unlawful for the purpose of this RFP.

j) Bid submitted is not in requisite format(s).

Each Bid shall be checked for compliance with the submission requirements set forth in this RFP before the evaluation of Bidder's fulfilment of Eligibility Criteria is taken up.

4.3. QUALIFIED BID(S)/ BIDDER(S) SELECTION:

a) Bid responsive as per RfP and qualifying in as per General Eligibility Criteria would be evaluated in this stage and their Financial Bid would be opened on <https://www.bharat-electronictender.com> Portal, subject to conditions prescribed under Cl. 4.3

b) Determination of allottable capacity: All Bids would be checked as per following to identify Qualified Bids/ Bidders and corresponding allottable capacity:

a. Bidder participating under Self-Development Mode: Bidder owns Prescribed Land against substation(s) which it has Bid for and submitted the requisite documents proving his ownership of concerned Prescribed Land. Such Project Capacity(ies) would be treated as "allottable capacity" of concerned Bidder for such substation(s). A declaration in that behalf would be provided as per FORMAT S6 of RfP.

b. Bidder participating under Developer Mode: Allottable capacity for such Bidder would be minimum of the following:

- i. Maximum eligible capacity as per net worth or MAAT criteria as per Cl. 3.14 of RFP, and
- ii. Minimum of capacity eligible as per Bid Security, MPUVNL's Bid Processing Cost submitted by concerned Bidder in accordance with the RfP.

Illustration:

<i>Net-worth compliant for how much capacity (MW)</i>	<i>MAAT compliant for how much capacity (MW)</i>	<i>Tender Fees compliant for how much capacity (MW)</i>	<i>Bid Security compliant for how much capacity (MW)</i>	<i>Allottable Capacity for Bidder participating in Developer Mode (MW)</i>
4	0	4	5	4
6	4	6	6	6

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

<i>Net-worth compliant for how much capacity (MW)</i>	<i>MAAT compliant for how much capacity (MW)</i>	<i>Tender Fees compliant for how much capacity (MW)</i>	<i>Bid Security compliant for how much capacity (MW)</i>	<i>Allottable Capacity for Bidder participating in Developer Mode (MW)</i>
4	7	7	7	7
4	7	7	6	6
6	6	3	6	3
5	5	5	0	0
7	7	0	7	0

- c. Bid(s)/ Bidder(s) to be declared Qualified Bid(s)/ Bidder(s) only for those substation(s) where Project Capacity is less than or equal to allottable capacity. Other substations would be eliminated in the process of evaluation.

Explanation: In case of Bidder participating under Self-Development Mode, respective sub-station capacity would become allottable capacity, provided the Bidder has submitted the requisite documents proving his ownership of concerned Prescribed Land mapped as per FORMAT S6.

In case of Bidder participating in Developer Mode, all substations with Project Capacity more than allottable capacity would be not be considered for financial evaluation even if Bidder quotes Financial Bid against such substations.

- d. For Bidders participating under Self-Development Mode, cumulative of all Project Capacities for which it may be declared Successful Bidder could be sum of all Project Capacities for which it has placed Bids. For Bidders participating under Developer Mode, cumulative of all Project Capacities for which it may be declared Successful Bidder would be less than or equal to allottable capacity.

Explanation: In case of Bidder participating under Self-Development Mode, if it submits Bid for n-number of substations, the allottable capacity would be sum total of all substations for which the Bidder meets criteria for Prescribed Land read with declaration provided as per FORMAT S6.

In case of Bidder participating in Developer Mode, if allottable capacity as per criteria prescribed under Cl. 4.3 is 7 MW, the cumulative of all Project Capacities

allocated to the Bidder would be less than or equal to 7 MW.

- c) All Qualified Bids would be placed as equal for a concerned Project.
- d) Bidder shall quote the fixed levelized tariff, in the Financial Bid for a substation, for the entire term of the PPA with effect from the SCD, factoring QCFA that the Bidder mentions in its Financial Bid. The Quoted Tariff shall be in Rupees/ Unit, up to three (3) decimal places.
- e) A Bidder is required to quote one tariff for a Project as listed at Annexure-1. Bidders bidding for multiple sub-stations shall quote tariff separately for SPPs on respective substations.

4.4. EVALUATION OF FINANCIAL BID AND DECLARATION OF SUCCESSFUL BIDDERS

4.4.1. From among Qualified Bidders, bucket filling methodology shall be followed for selection of Successful Bidders up to cumulative CFA equivalent capacity of **1200 MW** solar projects at the most competitive tariff:

- a) Qualified Bidders quoting lowest tariff (L-1) for respective substations shall be identified. Such L-1 tariffs would remain valid up to 6 months from date of opening of Financial Bid.
- b) Such L-1 Bidder(s) for respective concerned substations shall be arranged in ascending order and following would be applied to identify Successful Bidders for cumulative CFA equivalent capacity of 1200 MW in bucket filling method. This shall be Round-1 of the allocation process.
 - a. Allocation of substations would start from lowest of L-1 rates, that is the universal L1 (UL1) rate to higher L-1 rates for respective substation;
 - b. Bidder(s) with lowest tariff for concerned substation and having allottable capacity as per RfP, would be declared Successful Bidder for such substation and such Project as per RfP would be allocated to it. After each successful allocation the QCFA quoted by the winning bidder shall be deducted from the available cumulative CFA equivalent capacity of 1200 MW at that time to arrive at the remaining CFA equivalent capacity out of 1200 MW for subsequent allocations.
- c. If a Bidder is L-1 at multiple substations, its remaining allottable capacity would be checked every time before allocation of such substation and allocation of concerned substation to concerned Bidder would be subject to fully meeting allottable capacity requirement as per RfP;

- d. In case, allottable capacity of an L-1 Bidder is exhausted and makes it ineligible for a concerned substation, the L-2 Bidder for such substation would be considered, subject to availability of its allottable capacity, as the new L1 to re-prepare list of rates in ascending order. This step would be repeated by incorporating subsequent higher order rates (L3, L4, L5,.....) as L1 for concerned substation, whenever allottable capacity of a concerned Bidder for such substation is exhausted;
 - e. All allocations would be subjected to rate reasonability considering prevailing market conditions;
 - f. Provisions sub-bullets [b., c. and d.] above would not apply in case of Bidders participating under Self Development Mode. They would get allotment of substations if meeting provisions of sub-bullet [a.] above read with allottable capacity requirement prescribed under Cl. 4.3, i.e., being L-1 Qualified Bidder for concerned substation and having Prescribed Land for concerned substation, subject to total bucket capacity requirement under this RfP;
- c) While applying sub-clause [b)] of Cl. 4.4.1 above, if multiple substations receive same L-1 tariff, substation with higher Project Capacity would be given priority over substation with lower Project Capacity. In case the project capacity is the same for concerned substations, the order of allotment would be decided through transparent lottery of substations.
- d) For Substations (s), where two or more Bidders (whether participating under Developer Mode or Self-Development Mode) quoted the same tariff the allotment of Substation(s) would be done through transparent lottery system between Bidder(s). Only Bidders having allottable capacity would be eligible to participate in lottery.
- 4.4.2.** Notwithstanding anything said under Cl. 4.4.1 and elsewhere in the RfP, bucket filling methodology would be followed for selection of Successful Bidders till CFA sought by the next Qualified Bidder is not available on account of exhaustion of CFA capacity or the power purchase capacity agreed to by PROCURER is achieved, whichever is earlier; subject to rate reasonability.
- 4.4.3.** In case, after the process of allocating according to Cl. 4.4.1 and 4.4.2 of RfP, the CFA capacity is exhausted before the power purchase capacity agreed to by the PROCURER, the following process shall be followed for allocating Project(s) beyond the available target for CFA. The following shall be Round-2

of allocation process.

- a) All the Bidder(s) for the remaining unallocated Project(s) would be given an opportunity of giving consent to execute the Project(s) they have Bid for at the levelized tariff quoted for the said Project by them without CFA. This consent would be irrespective of QCFA quoted by the Bidders for the said Project(s), that is to say, the Bidders would agree to forego the CFA while keeping the quoted tariff unchanged.
- b) MPUVNL shall use appropriate tools for taking consent under sub-clause (a) above and the specific modalities and timelines would be shared separately when the process would be executed.
- c) After step (a) above, only the Bidder(s) who have given consent shall be considered as Qualified Bidders for subsequent allocation of Project(s) as mentioned below. The remaining Bidder(s) would be declared disqualified for the purposes of subsequent allocations. The allottable capacity of all the Qualified Bidders for the purposes of allocation under Round-2 would be the capacity remaining after allotments under Round-1.
- d) Remaining power purchase capacity (RPPC) would be the difference between the power purchase capacity agreed to by the PROCURER and the capacity allocated under Cl. 4.4.1 above.
- e) Qualified Bidders quoting lowest tariff (L-1) for respective substations shall be identified. All L-1 Qualified Bidder(s) for respective concerned substations shall be arranged in ascending order and following would be applied to identify Successful Bidders for remaining Project(s) in bucket filling method;
 - a. Allocation of substations would start from lowest of L-1 rates, that is the universal L1 (UL1) rate to higher L-1 rates for respective substation being considered under Round-2;
 - b. Bidder(s) with lowest tariff for concerned substation and having allottable capacity remaining after Round-1, would be declared Successful Bidder for such substation and such Project as per RfP would be allocated to it. After each successful allocation, the allocated Project Capacity shall be deducted from the RPPC at the time to arrive at the updated RPPC for subsequent allocations.
 - c. If a Bidder is L-1 at multiple substations, its remaining allottable capacity

- would be checked every time before allocation of such substation and allocation of concerned substation to concerned Bidder would be subject to fully meeting allottable capacity requirement as per RfP;
- d. In case, allottable capacity of an L-1 Bidder is exhausted and makes it ineligible for a concerned substation, the L-2 Bidder for such substation would be considered, subject to availability of its allottable capacity, as the new L1 to re-prepare list of rates in ascending order. This step would be repeated by incorporating subsequent higher order rates (L3, L4, L5,.....) as L1 for concerned substation, whenever allottable capacity of a concerned Bidder for such substation is exhausted;
 - e. All allocations would be subjected to rate reasonability considering prevailing market conditions;
 - f. Provisions sub-bullets [b., c. and d.] above would not apply in case of Bidders participating under Self Development Mode. They would get allotment of substations if meeting provisions of sub-bullet [a.] above read with allottable capacity requirement prescribed under Cl. 4.3, i.e., being L-1 Qualified Bidder for concerned substation and having Prescribed Land for concerned substation, subject to total bucket capacity requirement under this RfP;
 - f) While applying sub-clause [e]] of Cl. 4.4.3 above, if multiple substations receive same L-1 tariff, substation with higher Project Capacity would be given priority over substation with lower Project Capacity. In case the project capacity is the same for concerned substations, the order of allotment would be decided through transparent lottery of substations.
 - g) For Substations (s), where two or more Bidders (whether participating under Developer Mode or Self-Development Mode) quoted the same tariff the allotment of Substation(s) would be done through transparent lottery system between Bidder(s). Only Bidders having allottable capacity would be eligible to participate in lottery.
 - h) The above allocation process would continue till RPPC is exhausted.

4.4.4. The final allotments shall be subject to approval by the Appropriate Commission (i.e. MPERC).

4.4.5. The bucket filling process described under Cl. 4.4.1 and 4.4.3 would be done

through a code/ program. Modalities for the same would be shared separately when the process would be executed.

4.5. DECISION AT THE DISCRETION OF NODAL AGENCY

This RfP is for selection of Successful Bidders who would implement ambitious feeder solarization under component-C of PM KUSUM scheme.

- a) Notwithstanding anything contained in this RfP, Competent Authority shall have following rights without any obligation or answerability to Bidders:
 - a. decide on acceptable range of rates for Projects under this RfP,
 - b. decide on total capacity to be awarded under this RfP,
 - c. cancel or terminate tendering process at convenience without assigning any reason at any stage of tendering process.

4.6. AWARD OF CONTRACT TO SUCCESSFUL BIDDER

- a) Nodal Agency shall provide LOA to the Successful Bidder within thirty (30) days of opening of Financial Bid. The date of issuance of LOA shall be intimated by the Nodal Agency to the Successful Bidder.
- b) The Successful Bidder must accept the LOA within sixty (60) days and submits PBG as per RFP as well as documents and fees related to project registration with MPNRED, failing which the Nodal Agency reserves the right to annul/ cancel the LOA of the Successful Bidder.
- c) In case Nodal Agency cancels the LOA issued to the Successful Bidder due to its non-compliance or successful bidder fails to sign the PPA within the stipulated timeline, the capacity of such bidder will be withdrawn and bid security of the bidder will be forfeited and/or the bidder will be debarred/ blacklisted from participating in MPUVN RFPs / tenders for a period of five (5) years.
- d) Nodal Agency at its own discretion, has the right to reject any or all the Bid without assigning any reason whatsoever at any stage of tendering process.

4.7. Performance Bank Guarantee:

- a) The Successful Bidder/ RPG shall provide Performance Bank Guarantee (PBG) of Rs. 1 Lakh/ MW to Procurer within sixty (60) days from date of issue of Letter of Award.
- b) The PBGs submitted by successful bidder shall be valid for a period of twenty-five (25) months from the date of issuance of LOA for the SPP. Managing Director of MPUVNL can further extend this timeline by another thirty (30) days maximum. Details of such

extensions shall be informed to the Board of MPUVNL.

- c) The PBG will be returned to the power producer immediately after successful commissioning of solar power plant, after considering any adjustments/ recoveries, including penalties due to delay in commissioning.

4.8. Signing of PPA

- a) The signing of PPA by the power producer (s) with the Procurers shall happen within thirty (30) days of obtaining approval of Board and GoMP as per DoP of MPPMCL on list of Project(s)/ RPG(s) [beneficiaries] after adoption of tariff by MPERC in respect of KUSUM-C . Managing Director of MPUVNL can further extend this timeline by another thirty (30) days maximum. Details of such extensions shall be informed to the Board of MPUVNL. Any delay in PPA execution due to reasons attributable to Procurer or Govt. of Madhya Pradesh shall be deemed adjusted by Procurer in counting of above timelines without necessity of any formalization or regularization either by Nodal Agency or by Procurer or Govt. of MP.

- b) Preferably, individual PPA shall be signed by a Successful Bidder with Procurer for each Project at corresponding tariff discovered through competitive bidding in accordance with this RfP.

However, PPAs for a group of Projects can be executed between Procurer and concerned Successful Bidder(s) as per mutual agreement and arrangement in that behalf for ease of commercial and contractual transactions. In such cases, technical arrangement of concerned Projects shall be ensured and complied with individually. Necessary provisions in this regard may be incorporated in PPA as relevant duly agreed between Procurer and concerned Successful Bidder(s).

- c) The selected RPG is required to sign PPA with the Procurer in line with the timeline given in the RFP. In case, the selected RPG fails to execute the PPA within the stipulated time, except for reasons attributable to Procurer or Govt. of MP, the RPG will be penalized according to the RFP.
- d) The term of the PPA shall be in line with Article 2 of the PPA. The Procurer will be obliged to buy the power in line with Clause 4.3 of the PPA.

- 4.9. In case any PBG, BG (if available) is utilized, partly or fully, towards recovery/ adjustment of LD/ penalty, the same shall be replenished to its original value and validity period within seven (7) Days of written communication on this behalf from Nodal Agency or procurer to Power Producer.

4.10. Innovation: There would a single window at MPUVNL to facilitate Successful Bidders in implementation of Projects, including handholding with financial institutions, government agencies. Towards it, following is in place:

- a. Memorandum of Understanding (MoU) executed with State Bank of India (SBI) and other commercial banks to streamline processes and procedures to provide better financing experience to RPGs (**Appendix-1 of RFP**).
- b. Standard operating procedure (SOP) has been evolved in consultation with Procurer and associated Discoms to streamline processes and procedures related to metering, estimates, BOQ, approvals etc. as well as roles and responsibilities of concerned stakeholders (**Appendix-1 of PPA**).
- c. MoU with GIZ to facilitate in evolving innovative solutions as well as handhold RPGs in most efficient program execution (**Appendix-3 of PPA**).
- d. Reactive power management study with support of the World Bank and GIZ to evolve a right set of regulations and compensation mechanism to incentivize decentralized solar projects for supporting grid in efficient management of reactive power.

SECTION V – SAMPLE FINANCIAL BID FORMAT

To be filled submitted online only

1. Bidder shall submit fixed levelized tariff in INR/ kWh, up to three (3) decimal places, in “Excel” file as provided with RfP. No other form shall be acceptable.
2. Bidder shall mention fixed levelized tariff against ONLY those substations it wishes to place bid. For remaining substations in the list, Bidder shall leave blank or may write “NA”. Bidder will not have option to add or deleted list of substations provided in Financial Bid template provided in “Excel” file. [Example: It a Bidder is interested to place bid for any 5 Projects/ substations of their choice, then, fixed levelized tariff against 5 such Projects shall be mentioned. Remaining may be left blank or Bidder may write “NA” such remaining Project/ substation].
3. Given below is a SAMPLE FORMAT in which the financial bid for each Project/ sub-station will be submitted ONLINE only (Please DO NOT fill this offline and DO NOT submit this with hard copy of bid).
4. Bidders should ensure that their financial bid is in accordance with the most updated format for Financial Bid and list of substations. Any discrepancy in format for Financial Bid provided herein below and that available at online portal, the format available at online portal would prevail.
5. Latitude and longitude of substations provided in RfP are for general reference purposes. Bidder(s)/ RPGs are desired to conduct necessary due diligence and associated implications before submission of Bid.
6. Bidder shall quote QCFA up to one (1) decimal place. Bidder will not have option to quote or enter or change NCFA and Project Capacity because it would be pre-fixed in the format.

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA (MW)	QCFA (MW)	PROJECT CAPACITY (MW)	DELIVERY POINT	Fixed Levelized Tariff for
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Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

									total project capacity [INR per kWh)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1									
2									
3									
4									
5									
6									
7									
8									
9									

* This tariff to be submitted ONLINE only. This tariff shall be fixed and levelized for 25 years from commercial operation date.

ONLINE BID PORTAL SHALL ALERT A BIDDER TO CHECK IF BIDDER HAS SUBMITTED CORRECT ONLINE FINANCIAL BID

- Tariff shall be quoted in INR only
- QCFA shall be quoted in MW.
- QCFA range shall be between Zero and NCFA (both limits included)
- Failure to submit correct online financial bid shall be sole responsibility of Bidder.

**SECTION VI: FORMATS TO BE SUBMITTED BY BIDDERS PARTICIPATING IN SELF
DEVELOPMENT MODE**

(Relevant formats to be submitted by Individual farmers or Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or Government agricultural institute or other agriculture related institutions applying under self-development mode for KUSUM-C (feeder solarization) projects)

CHECK LIST FOR BIDDERS PARTICIPATING UNDER SELF DEVELOPMENT MODE

Under this self-development mode, bidder will be individual farmers/ group of farmers/ cooperatives/ panchayats/ Farmer Producer Organisations (FPO)/ Water User associations (WUA)/ Government agricultural institute or other agriculture related institutions can develop the solar power plant under KUSUM – C (feeder solarization) scheme in Madhya Pradesh, on their own land, to deliver power on selected sub-station

Checklist for ONLINE submission

Sr. No.	Particular	Format No.	Document uploaded online (Yes/ No)
1.	Covering Letter	S1	
2.	General Particulars of the Bidder	S2	
3.	Unconditional acceptance of RFP terms and conditions	S3	
4.	Undertaking for participation under Self-Development-Mode	S4	
5.	Bid Security, if applicable in the form of BG	S5	
6.	Declaration	S6	
7.	Power of Attorney; in favour of lead member	S7	
8.	Format for consortium agreement	S8	
9.	Land availability certificate from Collector (if applicable)	S9	

2. Checklist for OFFLINE/ HARD copy submission

Sr. No.	Particular	Format No.	Document uploaded online (Yes/ No)
1.	Bid Security, if applicable in the form of BG	S5	
2.	Pass phrase for decrypting Technical Bid and Financial Bid		

Signature of authorized signatory of Bidder

Name:

FORMAT S1: Covering Letter

(Applicable to Individual farmers or Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or Government agricultural institute or other agriculture related institutions applying under self-development mode)

Ref. No. _____ (Please insert RfP No)

Date:

From: _____ (Insert name and address of Bidder)

Tel.: _____

E-mail: _____

To:

Executive Engineer
Madhya Pradesh Urja Vikas Nigam Limited
(A Government of Madhya Pradesh Enterprise)
Urja Bhawan, Link Road No. 2,
Shivaji Nagar, Bhopal - 462016

Sub: Request for Proposal (RFP) for Selection of renewable power generator (RPG) setting up of Grid connected Solar based Power Plants (SPP) for feeder solarization component under PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India, for sale of power to MPPMCL.

Dear Sir,

- a) We, the undersigned _____ [insert name of the Bidder] having read, examined and understood in detail the Request for Proposal (RFP) for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200** MW under feeder solarization component of PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India for Sale of Solar Power to MPPMCL at the Delivery Point in each substation at various locations in the state of Madhya Pradesh, India, hereby submit our Bid comprising of Financial Bid and Technical Bid. We confirm that neither we nor any of our Affiliate (if applicable) has submitted Bid other than this Bid directly or indirectly in response to the aforesaid RFP.
- b) We give our unconditional acceptance to the RFP attached thereto, issued by Madhya Pradesh Urja Vikas Nigam Limited, as amended. As a token of our acceptance to the RFP, the same have been initialled by us and enclosed to the Bid.

We shall ensure that we execute such RFP as per the provisions of the RFP and provisions of such RFP shall be binding on us.

c) Bid Security

We have submitted/ enclosed Bid Security as prescribed in this RfP.

d) Acceptance

We hereby unconditionally and irrevocably agree and accept that the decision made by Nodal Agency in respect of any matter regarding or arising out of the RFP shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfil our obligations with regard to execution of projects of capacity offered.

e) Familiarity with Relevant Indian Laws & Regulations

We confirm that we have studied the provisions of the relevant Indian laws and regulations as required to enable us to submit this Bid and execute the RFP, in the event of our selection as Successful Bidder. We further undertake and agree that all such factors as mentioned in RFP have been fully examined and considered while submitting the Bid.

We undertake that we have satisfied ourselves with the site conditions of the projects and our proposed financial bid takes into consideration the existing site conditions.

f) Contact Person

Details of the contact person are furnished as under:

Particulars	Description
Name	
Designation	
Company/ Group/ Individual	
Address	
Phone Nos.	
E-mail address	

We confirm that our bid shall remain valid for a period of one hundred and eighty (180) Days from Bid Deadline. We are enclosing herewith covering letter, processing fee and Bid Security and technical documents as per applicable containing duly signed formats as desired by you in the RFP for your consideration.

It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP and subsequent communications from Nodal Agency. The information submitted in our Bid is complete, strictly as per the requirements stipulated in the RFP and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid. We confirm that all the terms and conditions of our Bid are valid for acceptance for a period of one hundred and eighty days, confirm that we have not taken any deviations, so as to be deemed non-responsive.

Signature

Name:

(Individual farmer or authorized Person in whose name Power of Attorney is issued in case bidder is group of farmers/ cooperatives/ panchayats/ Farmer Producer/ Organisations (FPO)/ Water User associations (WUA)/ Government agricultural institute or other agriculture)

FORMAT S2: General Particular of Bidder

(Applicable to Individual farmers or Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or Government agricultural institute or other agriculture related institutions applying under self-development mode)

General Particulars of Bidder

2.	Name of the Bidder						
3.	Type of Bidders (Individual farmers or Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or farmers setting up SPP in their own lands or Government agricultural institute or other agriculture related institutions)						
4.	Land ownership documents (please insert more rows, if required):						
	District	Tehsil	Village	Sub-station Name	Bidding Capacity (in MW)	Area of Land Owned (in Hectare)	Is land ownership document attached** (Yes/ No)
3.1							
3.2							
3.3							
3.4							
3.5							
5.	PAN No. of Bidder (or authorised representative)- attach a copy of PAN						
6.	Aadhaar of Bidder (or authorised representative)- attach a copy of Aadhaar						
7.	Bidder's full address of communication						
8.	E-mail						
9.	Authorized Contact Person(s) with name, designation, full address and Mobile Phone No., E-mail address to whom all references shall be made.						
10.	Has the Bidder been debarred/ blacklisted as on bid submission date by any Govt. Dept./ undertaking for undertaking any work						

**** Important note:** Land ownership proof may preferably be either of following documents- *khassara/khatauni*, *bhoo-adhikar pustika*, *naksa*, and/or land registry which suffice that land ownership in name of bidder is undisputed. An equivalent documentary evidence may also be considered subject to sole discretion of MPUVNL. However, at any stage during or after bidding, if land ownership status at the time of bidding is found disputed, the participation or selection as RPG may be cancelled and/or appropriate legal actions may be initiated.

(Signature of Authorized Signatory)

Name:

FORMAT S3: Unconditional acceptance of RFP terms and conditions

Undertaking on unconditional compliance and adherence with RfP Documents

(Applicable to Individual farmers or Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or Government agricultural institute or other agriculture related institutions applying under self-development mode)

Date: / /20__

To,
Executive Engineer,
MP Urja Vikas Nigam Limited
Urja Bhawan,
Link road no-2, Shivaji Nagar,
Bhopal- 462016

Ref.: RfP No: ____/____/____ dated ____

Dear sir

We have carefully read and understood terms and conditions of above referenced RFP (no. ____/____/____/____ dated ____) and associated PPA and their corrigenda/ addenda/ amendments issued from time to time before bid submission end date (collectively called as "RfP Documents").

We declare and undertake to unconditionally accept and abide by terms and conditions of RfP Documents during bidding process and after award of work to us, as relevant.

(Signature of Authorized Signatory)

Name:

FORMAT S4: Undertaking for participation under Self-Development-Mode

(Applicable to Individual farmers or Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or Government agricultural institute or other agriculture related institutions applying under self-development mode)

To,

Executive Engineer,
MP Urja Vikas Nigam Limited
Urja Bhawan,
Link road no-2, Shivaji Nagar,
Bhopal- 462016

Ref.: RfP No: ____/____/____/____ dated ____

Dear sir

With reference to above RFP and associate and associated PPA and their corrigenda/addenda/ amendments issued from time to time before bid submission end date (collectively called as “RfP Documents”), I/ we declare, undertake and accept the following:

1. My/ Our participation against this RfP is as individual farmer/ Group of farmers/ Cooperatives/ Panchayats/ Farmer Producer Organizations (FPO)/ Water User associations (WUA)/ Government agricultural institute or other agriculture related institutions.
2. Authorized signatory and representative for this bid is Ms./ Mr. _____
3. I/ we own full or part of land near to the sub-stations, on which solar power plant(s) for which we are bidding under this RfP, will be set-up by me/ us,
4. In case owned land is not sufficient to set-up the plant, then I/ we shall arrange necessary contiguous land in accordance with RfP provisions and implement project awarded to me/ us in accordance with conditions of power purchase agreement.
5. I/ we commit and undertake that, failure to implement project for issues related to land availability shall make us liable for suitable action, by Competent Authority, under provisions of RfP documents or under provisions of relevant laws.

(Signature of Authorized Signatory)

Name

FORMAT S5: Bid security

(To be stamped on non – judicial stamp paper of minimum INR 1000)

(Applicable to Individual farmers or Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or Government agricultural institute or other agriculture related institutions applying under self-development mode)

To be submitted as per format given in RfP, if applicable.

FORMAT S6: Declaration

(Applicable to Individual farmers or Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or Government agricultural institute or other agriculture related institutions applying under self-development mode)

(To be stamped on non – judicial stamp paper of minimum INR 1000 value)

Ref. no.: ____/____/____/____ dated ____

I/ We have carefully read and understood the Terms and Conditions of the RFP and agree to abide by them. I/ We accept and undertake, the following statements that,

1. I/ We have carefully read and understood terms and conditions of above referenced RFP and associated PPA and their corrigenda/ addenda/ amendments issued from time to time before bid submission end date (collectively called as “RfP Documents”). In case, at any stage of bidding process or after award of work, our bid or award of work is found non-compliant with any provisions of RfP Documents or any of our undertakings/ declarations are found wrong/ unsolicited/ misrepresented/ unfulfilled, we unconditionally declare and undertake to accept, without any responsibility/ accountability/ implications/ liabilities/ obligations on anyone other than us, decision of Competent Authority as appropriate, including rejection of our bid and/ or cancellation of award of work, without prejudice to any other rights that Competent Authority may be entitled to exercise as per law or under provisions of RfP documents
2. I/ We have not been Blacklisted or debarred or otherwise for any Supply of Goods / Services / Works by any Ministry / Department / PSU of Central Government / Any of the State Government(s), anytime / anywhere in the Country or have not failed to execute any previous work of MPUVNL.
3. I/ We solemnly undertake that, the responsibility of execution of the Work as per the terms and conditions of the RFP/ Contract Agreement shall be entirely ours.
4. I/ We solemnly undertake that land utilized against eligibility for participation in Bid is in 5 km. radial distance from the concerned substation as tabulated below:

SS ID No. (as per Annexure 1)	Name of Circle	Name of Substation	Project Capacity (MW)	Name of land owner	Khasra no.	Area of Khasra	Distance of Khasra no. from substation

5. Except as required by nodal agency, we/ I have not taken support from any of the independent Consultant or Consulting Agency who is associated with Nodal Agency in any form while preparing RFP.

6. I/ We are aware that, I/ we should ensure compliance to the all MNRE's order/ rule/ guidelines pertaining to KUSUM – C till date, including but not limited to the following:
- a) Requirement of indigenously manufactured module, cells and BOS: System specifications and quality control of projects under KUSUM-C (FLS) would be in accordance with Para 6.4.6 of MNRE's Comprehensive Guidelines for Implementation of PM KUSUM Scheme, dated 17.01.2024, and its amendments/ modifications as relevant and applicable. This requirement would be applicable for the portion of Project Capacity eligible for Central Financial Assistance (CFA).
 - b) Requirement of Approved List of Models and Manufacturers (ALMM): Bidders/ Successful Bidders would comply ALMM requirement as per ALMM order by Ministry of Power dated 09.12.2024 and it would be applicable on full Project Capacity

If this Declaration is found to be incorrect or if any RFP Condition is found violated by us, then without prejudice (Insert Bidder's Name) including our Members, shall be blacklisted/ suspended/ debarred from participating in upcoming tenders issued by any department of MP State Government for a period of 5 years from the date of default as notified by MP Urja Vikas Nigam Limited. and the Proposal to the Extent of Acceptance / anytime during Execution of Assignment may be cancelled.

(Signature of Authorized Signatory)

Name & Address:

FORMAT S7: Power of Attorney

(Applicable to Group of farmers or Cooperatives or panchayats or Farmer Producer Organizations (FPO) or Water User associations (WUA) or Government agricultural institute or other agriculture related institutions applying under self-development mode)

(To be stamped on non – judicial stamp paper of minimum INR 1000 value)

- a) Power of Attorney to be provided by the Bidder in favour of its representative as evidence of authorized signatory's authority.
- b) Know all men by these presents, we (name and address of the registered office of the Bidder as applicable) do hereby constitute, appoint and authorize Mr./ Ms. (name & residential address) who is presently employed with us and holding the position of _____ as our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of our Bid for Selection of Solar Power Developer for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200** MW for Sale of Solar Power to MPPMCL at the delivery point in each substation at various locations in the state of Madhya Pradesh, India in response to the RFP No. _____ Dated: ___/ ___/ ___ issued by Nodal Agency including signing and submission of the Bid and all other documents related to the Bid, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the Nodal Agency may require us to submit. The aforesaid Attorney is further authorized for making representations to the Madhya Pradesh Urja Vikas Nigam Limited and providing information / responses to Nodal Agency representing us in all matters before Nodal Agency and generally dealing with Nodal Agency in all matters in connection with Bid till the completion of the bidding process as per the terms of the above mentioned in RFP.
- c) We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.
- d) All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP.

Signed by the within named

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

(Insert the name of the executant)

through the hand of

Mr _____

duly authorized by the all signees to issue such Power of Attorney

Dated this _____ day of _____

Accepted

Signature of Attorney

Name:

Address:

Aadhar Card/ PAN Card Number:

Attested

(Signature of the executant)

Name:

Address of the Attorney:

Aadhar Card/ PAN Card Number:

Signature and stamp of Notary of the place of execution

Common seal of _____ has been affixed in my/ our presence pursuant to Board of Director's Resolution dated

WITNESS

(Signature)

Name:

Address,

Aadhar Card/ PAN Card Number:

(Signature)

Name:

Address,

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization
component of PM KUSUM - C Scheme

Aadhar Card/ PAN Card Number:

FORMAT S8: Format for Joint Bidding Agreement

(Applicable to Group of farmers, Cooperatives, Panchayats, Farmer Producer Organizations (FPO), Water User associations (WUA))

**Joint Bidding Agreement Format for Participation in
“Request for Proposal (RFP)
For Selection of Solar Power Developer
For**

Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200 MW** under feeder solarization component of PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India, for Sale of Solar Power to MPPMCL at the delivery point at concerned substations in Madhya Pradesh, India.

(To be stamped at non judicial stamp paper of minimum INR 1000)

THIS JOINT BIDDING AGREEMENT is entered into on this ____ day of _____ 20____.

AMONGST

_____ (name of member who is assigned to power of attorney) and having its registered office/ residence at _____ (Hereinafter referred to as the “**First Part**” or “**Lead Member**” which expression shall, unless repugnant to the context include its successors and permitted assigns)

AND

_____ (name of all members) Having its residence/ registered office at _____. (Hereinafter referred to as the “**Second Part**” or “**Member**” which expression shall, unless repugnant to the context include its successors and permitted assigns).

The above-mentioned parties of the First and Second are collectively referred to as the “**Parties**” and each is individually referred as a “**Party**”.

WHERE AS,

i. Madhya Pradesh Urja Vikas Nigam Ltd. (hereinafter referred to as the “**MPUVNL**” which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns) has invited applications (the “**Applications**”) by its RFP No: Dated / / for award of the rate contract/ work under “Selection of Solar Power Developer for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200 MW** for Sale of Solar Power to MPPMCL at the delivery point in each substation at various locations in the state of Madhya Pradesh, India (hereinafter called “**Project (s)**”) and Selection of Solar Power Developer for the same.

ii. The Parties are interested in jointly bidding for the Project as members of Group of farmers/

Cooperatives/ Panchayat/ Farmer Producer Organizations (FPO)/ Water User associations (WUA) in accordance with the terms and conditions of the RFP document and other bid documents in respect of the Project, and

iii. It is a necessary condition under the RFP document that, the members of Group of farmers/ Cooperatives/ Panchayat/ Farmer Producer Organizations (FPO)/ Water User associations (WUA) shall enter into a joint bidding agreement and furnish a copy thereof with the Application.

NOW IT IS HEREBY AGREED as follows:

Definitions and Interpretations

In this agreement, the capitalized terms shall, unless the context otherwise require, have the Meaning ascribed thereto under the above mentioned RFP.

1. Joint Bidding Agreement

The Parties do hereby irrevocably constitute a joint bidding agreement (the “**Joint Bidding Agreement**”) for the purposes of jointly participating in the Bidding Process. The Parties hereby undertake to participate in the Bidding Process in a Project Group as per

FORMAT S7: Power of Attorney of this RFP, only through this Group of farmers/ Cooperatives/ Panchayat/ Farmer Producer Organizations (FPO)/ Water User associations (WUA), and not individually and/ or through any other consortium constituted for this RFP, either directly or indirectly or through any of their Affiliate(s).

2. Role of the Members

The Members hereby undertake to perform the roles and responsibilities as described below:

- a) The Member agree to submit bid as Group of farmers/ Cooperatives/ Panchayat/ Farmer Producer Organizations (FPO)/ Water User associations (WUA) for Projects under this RFP.
- b) First Part shall have the power of attorney from all members of Group of farmers/ Cooperatives/ Panchayat/ Farmer Producer Organizations (FPO)/ Water User associations (WUA) for conducting all business for and on behalf of the Group of farmers/ Cooperatives/ Panchayat/ Farmer Producer Organizations (FPO)/ Water User associations (WUA) during the Bidding Process and after its selection as Successful Bidder.
- c) First Part would be responsible and obligated for successful execution of all work awarded to them by MPUVNL and in no circumstances the same shall be the responsibility of Second Part. Pursuant to selection of Successful Bidder as per criteria delineated in the RFP, all obligations as per RFP shall be borne by the First Part.
- d) Second Part shall work in accordance with roles and responsibilities assigned to them by First Part as a part of their internal understanding.
- e) Members of Group of farmers/ Cooperatives/ Panchayat/ Farmer Producer Organizations (FPO)/ Water User associations (WUA) have agreed and documented clearly stated roles and responsibilities between First Part and Second Part for execution of work awarded by MPUVNL.

3. Termination

This Agreement shall be effective from the date hereof and shall continue in full force and effect until the Bid Validity Period of Award and further in accordance with the LOA subsequently issued if bid arrives as successful. However, in case the Group of farmers/ Cooperatives/ Panchayat/ Farmer Producer Organizations (FPO)/ Water User associations (WUA) is either not pre-qualified for the Project or does not get selected for Award of the work, the Agreement will stand terminated in case the Applicant is not pre-qualified.

4. Miscellaneous

This Joint Bidding Agreement shall be governed by laws of India. The Parties acknowledge and accept that this Agreement shall not be amended by Parties without the prior written consent of the MPUVNL. Party of First Part would decide on the representative of joint bidding agreement at MPUVNL.

IN WITNESS WHERE OF THE PARTIES ABOVE NAMED HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED, SEALED AND DELIVERED
For and on behalf of First Part or
Lead Member by:

SIGNED, SEALED AND DELIVERED
For and on behalf of Second Part or
Member:

(Signature)

(Signature)

(Name & Designation)

(Name & Designation)

(Organization Name)

(Organization Name)

(Address)

(Address)

In Presence of:

In Presence of:

Witness -1

Witness -1

Witness -2

Witness -2

FORMAT S9: Power of attorney in favour of lead member of the joint bidding

(To be submitted by each member of joint bidding)

(To be stamped as per the stamp act of the state where the document is made, minimum INR 1000 value stamp paper)

Whereas Madhya Pradesh Urja Vikas Nigam Ltd. (MPUVNL) has invited applications (the “Applications”) by its RFP No: Dated: ____/ ____/ ____ for Selection of RPGs for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200** MW under feeder solarization component of PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India, for Sale of Solar Power to MPPMCL at the Delivery Point in each substation (hereinafter called “Project”)

Whereas,,, and (collectively the **Consortium/ JV**) being Members of the Consortium/ JV and having signed a Joint Bidding Agreement dated [●], are interested in submitting a Bid in accordance with the terms and conditions of the Request for Proposal (**RFP**) and the other Bid Documents, and

Whereas, it is necessary for the Members of the Consortium/ JV to designate one of them as the Lead Member with all necessary power and authority to do for and on behalf of the Consortium/ JV, all acts, deeds and things as may be necessary in connection with the Consortium's/ JV's bid for the Unit(s) and its execution.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS

- a) We,, having our registered office at, and, having our registered office at, (hereinafter collectively referred to as the **Principals**) do hereby irrevocably designate, nominate, constitute, appoint and authorise having its registered office at, being one of the Members of the Consortium/ JV, as the Lead Member and true and lawful attorney of the Consortium/ JV (hereinafter referred to as the **Attorney**). We hereby irrevocably authorize the Attorney (with power to sub-delegate) to conduct all business for and on behalf of the

Consortium/ JV, and any one of us, during the Bid Process, including undertaking all acts required for the submission of the Bid in accordance with the terms and conditions of the RFP. Additionally, we also authorise the Lead Member to do any other acts or submit any information and documents related to the above Bid submission, to do on our behalf and on behalf of the Consortium/ JV, all or any of such acts, deeds or things as are necessary or required or incidental to the submission of its Bid for the Unit(s), including but not limited to signing and submission of all applications, undertakings and other documents and writings, participate in bidders and other conferences and respond to queries, if required. In the event the Consortium/ JV is awarded the Project Documents for developing the Units, we authorise the Lead Member to submit information/ documents, sign and execute contracts and undertakings consequent to acceptance of the Bid of the Consortium/ JV in relation to the incorporation of the SPV and generally to represent the Consortium/ JV in all its dealings with RUMSL, and/ or any other Government Agency or any Person, in all matters in connection with or relating to or arising out of the Consortium's/ JV's Bid for the Unit(s) and/ or upon award thereof till incorporation of the SPV.

- b) **AND** hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us/ Consortium/ JV.

IN WITNESS WHEREOF WE THE PRINCIPALS ABOVE NAMED HAVE EXECUTED THIS POWER OF ATTORNEY ON THIS DAY OF, 202__

For

(Signature)

.....

Name:

Designation:

Organization Name:

For

(Signature)

.....

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

Name:

Designation:

Organization Name:

(To be executed by authorized signatories of the Members of the Consortium/ JV, except the Lead Member)

Witnesses:

1.

(Signature)

Name:

Designation:

Organization Name:

2.

(Signature)

Name:

Designation:

Organization Name:

(Notarised)

Accepted

.....

(Signature of the authorized signatory of the Lead Member)

(Name, Title and Address of the Attorney)

Instructions:

- (1) *The mode of execution of the Power of Attorney should be in accordance with the procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.*

- (2) Also, wherever required, the Members should submit for verification the extract of the charter documents and documents such as a board or shareholders' resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Member of the Consortium/ JV.*

**SECTION VII: FORMATS TO BE SUBMITTED BY BIDDERS PARTICIPATING IN
DEVELOPER MODE**

Bidder should be a body corporate incorporated in India under the Companies Act, 1956 or 2013 including any amendment thereto or a Partnership Firm having executed partnership deed and registered as per sections 58 & 59 of the Partnership Act, 1932, as amended or a Limited Liability Partnership Firm (LLP) registered under section 12 of Limited Liability Partnership Act, 2008, as amended or registered Sole Proprietor.

CHECK LIST FOR BIDDERS

Bidder should be a body corporate incorporated in India under the Companies Act, 1956 or 2013 including any amendment thereto or a Partnership Firm having executed partnership deed and registered as per sections 58 & 59 of the Partnership Act, 1932, as amended or a Limited Liability Partnership Firm (LLP) registered under section 12 of Limited Liability Partnership Act, 2008, as amended or registered Sole Proprietor.

1. Checklist for ONLINE submission

Sr. No.	Particular	Format No.	Document uploaded online (Yes/ No)
1.	Covering Letter	D1	
2.	General Particulars of the Bidder	D2	
3.	Shareholding certificate	D3	
4.	Bid Security, if applicable in the form of BG	D4	
5.	Power of attorney for authorized signatory on appropriate value stamp paper	D5	
6.	Financial eligibility criteria	D6	
7.	Relationship with affiliate	D7	
8.	Undertaking from Affiliate of Bidder/ Lead Member/ Member of Consortium/ JV, as applicable	D8	
9.	Consortium/ JV Agreement Format	D9	
10.	Power of attorney in favor of lead member of consortium/ JV	D10	
11.	Declaration	D11	
12.	Contract Management and Maintenance Service Charges	D12	
13.	Proof of Bid Processing Fee Submission	-	

2. Checklist for OFFLINE/ HARD copy submission

Sr. No.	Particular	Format No.	Document uploaded online (Yes/ No)
1.	Bid Security, if applicable	D4	

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

	in the form of BG		
2.	Pass-phrases for decrypting Technical Bid and Financial Bid		

Signature of authorized signatory of Bidder

Name:

FORMAT D1: Covering Letter

(The covering letter should be on the Letterhead of the Bidder/ Lead Member of Consortium/ JV)

Ref. No. _____ (Please insert RfP No)

Date: _____

From: Insert name and address of Bidder

Tel.: _____

E-mail: _____

To,

Executive Engineer
Madhya Pradesh Urja Vikas Nigam Limited
(A Government of Madhya Pradesh Enterprise)
Urja Bhawan, Link Road No. 2,
Shivaji Nagar, Bhopal - 462016

Sub: Request for Proposal (RFP) for Selection of renewable power generator (RPG) setting up of Grid connected Solar based Power Plants (SPP) for feeder solarization component under PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India, for sale of power to MPPMCL.

Dear Sir,

a) We, the undersigned _____ [insert name of the Bidder] having read, examined and understood in detail the Request for Proposal (RFP) for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200 MW** under feeder solarization component of PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India for Sale of Solar Power to MPPMCL at the Delivery Point in each substation at various locations in the state of Madhya Pradesh, India, hereby submit our Bid comprising of Financial Bid and Technical Bid. We confirm that neither we nor any of our Affiliate (if applicable) has submitted Bid other than this Bid directly or indirectly in response to the aforesaid RFP.

b) We give our unconditional acceptance to the RFP attached thereto, issued by

Madhya Pradesh Urja Vikas Nigam Limited, as amended. As a token of our acceptance to the RFP, the same have been initialled by us and enclosed to the Bid. We shall ensure that we execute such RFP as per the provisions of the RFP and provisions of such RFP shall be binding on us.

c) Bid Security

We have submitted/ enclosed Bid Security as prescribed in this RfP.

d) Acceptance

We hereby unconditionally and irrevocably agree and accept that the decision made by Nodal Agency in respect of any matter regarding or arising out of the RFP shall be binding on us. We hereby expressly waive any and all claims in respect of Bid process.

We confirm that there are no litigations or disputes against us, which materially affect our ability to fulfil our obligations with regard to execution of projects of capacity offered.

e) Familiarity with Relevant Indian Laws & Regulations

We confirm that we have studied the provisions of the relevant Indian laws and regulations as required to enable us to submit this Bid and execute the RFP, in the event of our selection as Successful Bidder. We further undertake and agree that all such factors as mentioned in RFP have been fully examined and considered while submitting the Bid.

We undertake that we have satisfied ourselves with the site conditions of the projects and our proposed financial bid takes into consideration the existing site conditions.

f) Contact Person

Details of the contact person are furnished as under:

Particulars	Description
Name	
Designation	
Company	
Address	
Phone Nos.	
E-mail address	

We confirm that our bid shall remain valid for a period of one hundred and eighty (180) Days from Bid Deadline. We are enclosing herewith covering letter, processing fee and Bid Security and technical documents as per applicable containing duly signed formats as desired by you in the RFP for your consideration.

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

It is confirmed that our Bid is consistent with all the requirements of submission as stated in the RFP and subsequent communications from Nodal Agency. The information submitted in our Bid is complete, strictly as per the requirements stipulated in the RFP and is correct to the best of our knowledge and understanding. We would be solely responsible for any errors or omissions in our Bid. We confirm that all the terms and conditions of our Bid are valid for acceptance for a period of one hundred and eighty days, confirm that we have not taken any deviations, so as to be deemed non-responsive.

Dated the _____ day of _____ 202__

Thanking you,

We remain,

Yours faithfully,

(Signature of Authorized Person in whose name Power of Attorney/ Board Resolution)

Name:

Designation:

Organization Stamp:

FORMAT D2: General Particulars of the Bidder

1.	Name of the Bidder	
2.	Type of Bidders (Company/ Limited Liability Partnership (LLP) firm/ Partnership Firm/ Sole Proprietor)	
3.	Is proof for the bidder eligibility is attached (e.g. certificate of incorporation etc.)	Yes/ No
4.	Address for communication	
5.	E-mail	
6.	Website	
7.	Authorized Contact Person(s) with name, designation, Address and Mobile Phone No., E-mail address/ Fax No. to whom all references shall be made	
8.	Year of Incorporation (as applicable)	
9.	Have the Bidder/ Company debarred/ blacklisted as on bid submission date by any Govt. Dept. / undertaking for undertaking any work	Yes/ No
10.	Reference of any documentation formation attached by the Bidder other than specified in the RFP.	
11.	Whether the Bidder wishes to form a Project Company for execution of work	Yes/ No
12.	Bidder is listed in India (as applicable)	Yes/ No
13.	GSTIN No. (if Applicable)	
14.	PAN No.	
15.	Certificate of Incorporation of Bidder/ Affiliate (as applicable) enclosed	Yes/ No
16.	Partnership deed for LLPF/ Sole Proprietor registration (as applicable) enclosed	Yes/ No

(Signature of Authorized Signatory)

Name:

Designation:

Organization Stamp:

FORMAT D3: Shareholding certificate for company / partner contribution in a partnership firm (as applicable)

(To Be Issued by CA/ Statutory Auditor's on letterhead of CA/ Statutory Auditor)

SHAREHOLDING CERTIFICATE FOR COMPANY

Name of the Equity holder	Type and Number of shares owned	% of equity holding	Extent of Voting rights

OR

PARTNER CONTRIBUTION IN A PARTNERSHIP FIRM

Name of Partner	Capital Contribution (Rs)	% of Ownership in the Firm

(Signature of Authorized Signatory) With Stamp

(Signature of Company Secretary/ Director/ Chartered Accountant)

FORMAT D4: Bid Security

(To be stamped on non – judicial stamp paper of minimum INR 1000)

Ref. _____ Bank Guarantee No. _____
Date: _____

In consideration of the [Insert name of the Bidder] (hereinafter referred to as Bidder) submitting the response to RFP for Selection of Renewable Power Generators (RPGs) for Implementation of cumulative ____ MW of Grid Connected Solar PV Systems for Sale of Solar Power to MPPMCL under feeder solarization component of PM KUSUM-C at various locations in the state of Madhya Pradesh, India in response to the RFP No. _____ Dated _____ issued by Madhya Pradesh Urja Vikas Nigam Limited (hereinafter referred to as Nodal Agency) and Nodal Agency considering such response to the RFP off[insert the name of the Bidder] as per the terms of the RFP, the[insert name & address of bank] hereby agrees unequivocally, irrevocably and unconditionally to pay to Nodal Agency at [Insert Name of the Place from the address of Nodal Agency] forthwith on demand in writing from Nodal Agency or any Officer authorized by it in this behalf, any amount upto and not exceeding Rupees [Insert amount] only, on behalf of M/s. [Insert name of the Bidder].

This guarantee shall be valid and binding on this Bank up to and including [insert date of validity in accordance with this RFP] 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 (Rupees _____ only). Our Guarantee shall remain in force until [insert date of Bid Validity in accordance with this RFP]. Only Nodal Agency shall be entitled to revoke this Guarantee till _____ [Insert date which is 30 days after the date in the preceding sentence].

The Guarantor Bank hereby agrees and acknowledges that only the Nodal Agency shall have a right to revoke 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 Nodal Agency, made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to Nodal Agency.

The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by [Insert name of the Bidder] and/or any other person. The Guarantor Bank shall not require Nodal Agency to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against Nodal Agency 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 Nodal Agency shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the Bidder, to make any claim against or any demand on the Bidder or to give any notice to the Bidder or to enforce any security held by Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against the Bidder.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees _____ (Rupees _____ only) and it shall remain in force until [Date to be inserted on the basis of this RFP] with an additional claim period of thirty (30) days thereafter.

We are liable to pay the guaranteed amount or any part thereof under this Bank Guarantee only if Nodal Agency serves upon us a written claim or demand.

Power of Attorney No.

For [Insert Name of the Bank]

Banker's Stamp and Full Address

Date, this ____ day of ____ 20__

FORMAT D5: Power of Attorney

(To be stamped on non – judicial stamp paper of minimum INR 1000)

- a) Power of Attorney to be provided by the Bidder in favour of its representative as evidence of authorized signatory's authority.
- b) Know all men by these presents, we (name and address of the registered office of the Bidder as applicable) do hereby constitute, appoint and authorize Mr./ Ms. (name & residential address) who is presently employed with us and holding the position of _____ as our true and lawful attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to submission of our Bid for Selection of RPG for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200** MW under feeder solarization component of PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India for Sale of Solar Power to MPPMCL at the delivery point in each substation at various locations in the state of Madhya Pradesh, India in response to the RFP No..... Dated: _____ issued by Nodal Agency including signing and submission of the Bid and all other documents related to the Bid, including but not limited to undertakings, letters, certificates, acceptances, clarifications, guarantees or any other document which the Nodal Agency may require us to submit. The aforesaid Attorney is further authorized for making representations to the Madhya Pradesh Urja Vikas Nigam Limited and providing information / responses to Nodal Agency representing us in all matters before Nodal Agency and generally dealing with Nodal Agency in all matters in connection with Bid till the completion of the bidding process as per the terms of the above mentioned in RFP.
- c) We hereby agree to ratify all acts, deeds and things done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall be binding on us and shall always be deemed to have been done by us.
- d) All the terms used herein but not defined shall have the meaning ascribed to such terms under the RFP.

Signed by the within named

(Insert the name of the executant's/executant's company)

through the hand of

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

Mr _____

duly authorized by the Board to issue such Power of Attorney

Dated this _____ day of _____

Accepted

Signature of Attorney

Name:

Designation:

Address of the Attorney:

Attested

(Signature of the executant)

Name:

Designation:

Address of the executant:

Signature and stamp of Notary of the place of execution

Common seal of _____ has been affixed in my/ our presence pursuant to Board of Director's Resolution dated _____

WITNESS

(Signature)

Name _____

Designation _____

Name of Organization (Stamp) _____

(Signature)

Name _____

Designation _____

Name of Organization (Stamp) _____

FORMAT D6: Financial Eligibility Criteria Requirement

(To be submitted on the CA/ Statutory Auditor's Letterhead, duly sealed and signed by CA/ Statutory Auditor)

To,

Executive Engineer

Madhya Pradesh Urja Vikas Nigam Limited

(A Government of Madhya Pradesh Enterprise)

Urja Bhawan, Link Road No. 2,

Shivaji Nagar, Bhopal - 462016

Ref.: RFP No. _____ dated / / and corrigenda/ addenda/ amendments thereof

Dear Sir,

Sub: Financial eligibility fulfilment in response to above referred RFP

We, M/ s _____ (Mentioned the Name of Chartered Auditor), Chartered Accountant (CA) and authorized by below mentioned entities to certify their net-worth or MAAT as applicable according to the clause 3.14.5, do hereby certify and state the following:

Based on latest **audited annual accounts**, net-worth (latest of FY24 or FY25) and MAAT (any 2 years among FY22, FY23 and FY24 or FY23, FY24 and FY25) of below mentioned entities are as mentioned in table below:

Name of Entity being evaluated (Lead Member in case of Consortium/ JV)	Name of Affiliate in case its Financial Strength being used	Financial Year	Financial Parameters	
			Net worth (INR Lakh)	MAAT (in Cr)

Consortium Member (provide details if applicable; else, leave blank)

Name of Consortium Partner	Financial Year	Financial Parameters	
		Net worth (INR Lakh)	MAAT (in Cr)

Name of Consortium Partner	Financial Year	Financial Parameters	
		Net worth (INR Lakh)	MAAT (in Cr)

Deleted.

Note:

1. As may be required by MPUVNL during bid evaluation or subsequently, Bidder shall provide **audited financial statements** (balance sheets, including all related notes, and income statements) for the years utilized to meet eligibility.
2. Net worth and MAAT will be calculated as per methodology under the clause 3.14.5 of the RfP and its amendments/ corrigenda etc.
3. **Audited consolidated annual accounts** of the Bidder may also be used for the purpose of financial criteria provided the Bidder has at least 26% equity and control in each company whose accounts are merged in the audited consolidated accounts and provided further that the financial capability of such companies (of which accounts are being merged in the consolidated accounts) shall not be considered again for the purpose of evaluation of the Bid.

Name: _____

Registration No.: _____

Registered office: _____

Date: _____

Place: _____

Signature and stamp (on each page) of Chartered Accountant/ Statutory Auditors of Bidder

FORMAT D7: Format for certificate of relationship of affiliate with the bidder
(CA/ statutory auditor's certificate to be submitted by Bidder/ Lead Member on behalf of
self, as applicable)

To,

Executive Engineer,
Madhya Pradesh Urja Vikas Nigam Limited
Urja Bhawan, Link Road No. 2,
Shivaji Nagar, Bhopal - 462016

Ref.: RFP no. _____ and corrigenda/ addenda/ amendments thereof

Dear Sir,

Sub: Relationship of lead member with affiliate bidder

We hereby certify that M/ s _____, M/ s _____, M/ s _____, are the
Affiliate(s) of the Bidder as per the definition of Affiliate as provided in this RFP and based on
details of equity holding as on seven (7) Days prior to the Bid Deadline.

The details of equity holding of the Affiliate / Bidder or vice versa as on seven (7) Days prior
to the Bid Deadline are given as below:

a) In case of Bidder being Company/ LLP/ Partnership Firm/ Sole – Proprietor:

Name of Company/ LLP/ Partnership Firm/ Sole – Proprietor	Name of the Affiliate	Details of Equity Holding

OR

b) In case of Bidder being member of the Consortium/ JV

Name of Member of Consortium/ JV	Name of the Affiliate	Details of Equity Holding

Yours Faithfully

Signature of Statutory Auditor

Name:

Designation:

Organization Stamp:

FORMAT D8: Undertaking Form

Undertaking from Affiliate of Bidder/ Lead Member/ Member of Consortium/
JV, as applicable

Name: _____

Full Address: _____

Telephone No.: _____

E-mail address: _____

To,

Dear Sir,

- a) We refer to the RFP No: Dated: ____/ ____/ ____ for Request for Proposal (RFP) for Selection of RPG for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200** MW under feeder solarization component of PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India for Sale of Solar Power to MPPMCL at the delivery point in each substation.
- b) We have carefully read and examined in detail the RFP regarding submission of an undertaking, as per the prescribed Format of the RFP.
- c) We confirm that M/ s _____ (Insert name of Bidder) is our Affiliate on the following basis:
- d) that M/ s (Insert name of Bidder) has been authorized by us to use our financial capability for meeting the Financial Eligibility as specified in the RFP referred to above in terms of Net worth and/ or MAAT.
- e) We have also noted the amount of the Performance Guarantees and Bid Security required to be submitted as per the RFP by (Insert the name of the Bidder) in the event of it being selected as the SPD.
- f) In view of the above, we hereby undertake to you and confirm that in the event of failure of (Insert name of the Bidder) to submit the Performance Guarantees in full or in part at any stage and Bid Security, as specified in the RFP, we

shall submit the Performance Guarantee and Bid Security not submitted by (Insert name of the Affiliate/ Consortium/ JV member of Bidder)".

- g) We also undertake that we shall maintain our relationship with M/s _____ (insert name of bidder) so that it is in accordance with principles of 'Control' and 'Affiliate' laid out in RfP No. _____ Dated: / / . **(in case of affiliate)**
- h) We have attached hereto certified true copy of the Board Resolution, whereby the Board of Directors of our Company has approved issue of this Undertaking by the Company.
- i) All the terms used herein but not defined, shall have the meaning as ascribed to the said terms under the RFP.

Signature of Chief Executive Officer/ Managing Director/ Authorized Signatory

Common seal of has been affixed in my/ our presence pursuant to Board of Director's Resolution dated.

Name:

Designation:

Name of Organization:

WITNESS

(Signature)

Name:

Designation:

Name of Organization:

(Signature)

Name:

Designation:

Name of Organization:

**FORMAT D9: Format for Consortium/ JV Agreement for Participation
In Request for Proposal (RFP)**

for

Selection of Renewable Power Generator (RPG)

for

Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200 MW** under feeder solarization component of PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India, for Sale of Solar Power to MPPMCL at the delivery point at concerned substations in Madhya Pradesh, India.

(To be stamped as per the stamp act of the state where the document is made, on minimum INR 1000 value non judicial stamp paper)

THIS AGREEMENT is entered into on this ____ day of _____ 202__.

AMONGST

{_____, party on **First Part** of consortium/ JV} and having its registered office at _____ (Hereinafter referred to as the **“First Part”** or **“Lead Member”** which expression shall, unless repugnant to the context include its successors and permitted assigns)

AND

_____ Having its registered office at _____. (Hereinafter referred to as the **“Second Part”** or **“Member”** which expression shall, unless repugnant to the context include its successors and permitted assigns)

The above-mentioned parties of the First and Second are collectively referred to as the **“Parties”** and each is individually referred as a **“Party”**

WHERE AS,

i. Madhya Pradesh Urja Vikas Nigam Ltd. (hereinafter referred to as the “**MPUVNL**” which expression shall, unless repugnant to the context or meaning thereof, include its administrators, successors and assigns) has invited applications (the “**Applications**”) by its RFP No: Dated: _____ for award of the rate contract/ work under “Selection of solar power generator (SPG) for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of cumulative CFA equivalent capacity of **1200 MW** for Sale of Solar Power to MPPMCL at the delivery point in each substation at various locations in the state of Madhya Pradesh, India (hereinafter called “**Project (s)**”) and Selection of RPG for the same.

ii. The Parties are interested in jointly bidding for the Project as members of consortium/ JV in accordance with the terms and conditions of the RFP document and other bid documents in respect of the Project, and

iii. It is a necessary condition under the RFP document that the members of the Consortium/ JV shall enter into a Consortium/ JV agreement and furnish a copy thereof with the Application.

NOW IT IS HEREBY AGREED as follows:

Definitions and Interpretations

In this agreement, the capitalized terms shall, unless the context otherwise require, have the

Meaning ascribed thereto under the above mentioned RFP.

1. Consortium/ Joint Venture

The Parties do hereby irrevocably constitute a consortium/ joint venture (the “**Consortium/ JV**”) for the purposes of jointly participating in the Bidding Process. The Parties hereby undertake to participate in the Bidding Process in a Project Group as per Table 1 of this RFP, only through this Consortium/ JV and not individually and/ or through any other consortium/ JV constituted for this RFP, either directly or indirectly or through any of their Affiliate(s).

Parties do hereby irrevocably state and affirm that if consortium/ JV has referred financial credentials of its Affiliate to meet the Financial Eligibility criteria, then the same relationship with the Affiliate by the Parties shall continue at least for the period of First Operational Year (equity lock-in period).

2. Role of the Parties

The Parties hereby undertake to perform the roles and responsibilities as described below:

- a) The parties agree to submit bid as Consortium/ JV for Project(s)/ Substation(s) under the RFP.
- b) First Part or Second Part or both shall be evaluated for qualification against technical eligibility criteria as per RFP.
- c) First Part shall have the power of attorney from all Parties for conducting all business for and on behalf of the Consortium/ JV during the Bidding Process and after its selection as Successful Bidder.
- d) First Part would be responsible and obligated for successful execution of all work awarded to them by MPUVNL and in no circumstances the same shall be the responsibility of Second Part. Pursuant to selection of Successful Bidder as per criteria delineated in the RFP, all obligations as per RFP shall be borne by the First Part.
- e) Second Part and Third part shall work in accordance with roles and responsibilities assigned to them by First Part as a part of their internal understanding.
- f) Parties have agreed and documented clearly stated roles and responsibilities between First Part, Second Part and Third Part for execution of work awarded by MPUVNL.
- g) Subject to the terms of this agreement, the share of each Member of the Consortium/ JV in the "issued equity share capital" shall be in the following proportion: (if applicable)

Name of Member	Proposed % Equity holding
Lead Member (At least 51%)
Member	

3. Termination

This Agreement shall be effective from the date hereof and shall continue in full force and effect until the Bid Validity Period of Award and further in accordance with the LOA subsequently issued if bid arrives as successful. However, in case the Consortium/ JV is either not pre-qualified for the Project or does not get selected for Award of the work, the Agreement will stand terminated in case the

Applicant is not pre-qualified.

4. Miscellaneous

This Joint Bidding Agreement shall be governed by laws of India. The Parties acknowledge and accept that this Agreement shall not be amended by Parties without the prior written consent of the MPUVNL. Party of First Part would decide on the representative of Consortium/ JV at MPUVNL.

IN WITNESS WHERE OF THE PARTIES ABOVE NAMED HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED, SEALED AND
DELIVERED For and on behalf of
Lead Member by:
(Signature)
(Name & Designation)
Organization Name
(Address)
In Presence of:
Witness -1

Witness -2

SIGNED, SEALED AND DELIVERED
For and on behalf of Second Part:
(Signature)
(Name & Designation)
Organization Name
(Address)
In Presence of:
Witness -1

Witness -2

FORMAT D10: Power of attorney in favour of lead member of the consortium/ JV

(to be submitted by each member of the Consortium/ JV)

(To be stamped as per the stamp act of the state where the document is made, minimum INR 1000 value stamp paper)

Whereas Madhya Pradesh Urja Vikas Nigam Ltd. (MPUVNL) has invited applications (the "Applications") by its RFP No: Dated: ____/ ____/ ____ for Selection of RPGs for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of aggregate capacity of ____ MW under feeder solarization component of PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India, for Sale of Solar Power to MPPMCL at the Delivery Point in each substation (hereinafter called "Project")

Whereas,,, and (collectively the **Consortium/ JV**) being Members of the Consortium/ JV and having signed a Joint Bidding Agreement dated [●], are interested in submitting a Bid in accordance with the terms and conditions of the Request for Proposal (**RFP**) and the other Bid Documents, and

Whereas, it is necessary for the Members of the Consortium/ JV to designate one of them as the Lead Member with all necessary power and authority to do for and on behalf of the Consortium/ JV, all acts, deeds and things as may be necessary in connection with the Consortium's/ JV's bid for the Unit(s) and its execution.

NOW, THEREFORE, KNOW ALL MEN BY THESE PRESENTS

- c) We,, having our registered office at, and, having our registered office at, (hereinafter collectively referred to as the **Principals**) do hereby irrevocably designate, nominate, constitute, appoint and authorise having its registered office at, being one of the Members of the Consortium/ JV, as the Lead Member and true and lawful attorney of the Consortium/ JV (hereinafter referred to as the **Attorney**). We hereby irrevocably authorize the Attorney (with power to sub-delegate) to

conduct all business for and on behalf of the Consortium/ JV, and any one of us, during the Bid Process, including undertaking all acts required for the submission of the Bid in accordance with the terms and conditions of the RFP. Additionally, we also authorise the Lead Member to do any other acts or submit any information and documents related to the above Bid submission, to do on our behalf and on behalf of the Consortium/ JV, all or any of such acts, deeds or things as are necessary or required or incidental to the submission of its Bid for the Unit(s), including but not limited to signing and submission of all applications, undertakings and other documents and writings, participate in bidders and other conferences and respond to queries, if required. In the event the Consortium/ JV is awarded the Project Documents for developing the Units, we authorise the Lead Member to submit information/ documents, sign and execute contracts and undertakings consequent to acceptance of the Bid of the Consortium/ JV in relation to the incorporation of the SPV and generally to represent the Consortium/ JV in all its dealings with RUMSL, and/ or any other Government Agency or any Person, in all matters in connection with or relating to or arising out of the Consortium's/ JV's Bid for the Unit(s) and/ or upon award thereof till incorporation of the SPV.

- d) **AND** hereby agree to ratify and confirm and do hereby ratify and confirm all acts, deeds and things done or caused to be done by our said Attorney pursuant to and in exercise of the powers conferred by this Power of Attorney and that all acts, deeds and things done by our said Attorney in exercise of the powers hereby conferred shall and shall always be deemed to have been done by us/ Consortium/ JV.

IN WITNESS WHEREOF WE THE PRINCIPALS ABOVE NAMED HAVE EXECUTED
THIS POWER OF ATTORNEY ON THIS DAY OF, 202__

For
(Signature)

.....

Name:

Designation:

Organization Name:

For
(Signature)

.....

Name:

Designation:

Organization Name:

(To be executed by authorized signatories of the Members of the Consortium/ JV, except
the Lead Member)

Witnesses:

1.

(Signature)

Name:

Designation:

Organization Name:

2.

(Signature)

Name:

Designation:

Organization Name:

(Notarised)

Accepted

.....

(Signature of the authorized signatory of the Lead Member)

(Name, Title and Address of the Attorney)

Instructions:

*(3) The mode of execution of the Power of Attorney should be in accordance with the
procedure, if any, laid down by the applicable law and the charter documents of the*

executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.

- (4) Also, wherever required, the Members should submit for verification the extract of the charter documents and documents such as a board or shareholders' resolution/ power of attorney in favour of the person executing this Power of Attorney for the delegation of power hereunder on behalf of the Member of the Consortium/ JV.*

FORMAT D11: Declaration

(To be submitted on Original Letterhead of Bidder/ Lead Member of Consortium/ JV)

I/ We have carefully read and understood the Terms and Conditions of the RFP and agree to abide by them. I/ We accept and undertake, the following statements that,

1. I/ We have carefully read and understood terms and conditions of above referenced RFP (RfP no. _____/____ dated __/__/____) and associated PPA and their corrigenda/ addenda/ amendments issued from time to time before bid submission end date (collectively called as “RfP Documents”). In case, at any stage of bidding process or after award of work, our bid or award of work is found non-compliant with any provisions of RfP Documents or any of our undertakings/ declarations are found wrong/ unsolicited/ misrepresented/ unfulfilled, we unconditionally declare and undertake to accept, without any responsibility/ accountability/ implications/ liabilities/ obligations on anyone other than us, decision of competent authority as appropriate, including rejection of our bid and/ or cancellation of award of work, without prejudice to any other rights that competent authority may be entitled to exercise as per law or under provisions of RfP documents
2. I/ We have not been Blacklisted or debarred or otherwise as on bid submission date for any Supply of Goods / Services / Works by any Ministry / Department / PSU of Central Government / Any of the State Government(s), anytime / anywhere in the Country or have not failed to execute any previous work of MPUVNL.
3. I/ We solemnly undertake that, the responsibility of execution of the Work as per the terms and conditions of the RFP/Contract Agreement shall be entirely ours.
4. Except as required by nodal agency, we have not taken support from any of the independent Consultant or Consulting Agency who is associated with Nodal Agency in any form while preparing RFP.
5. I/ We are aware that, I/ we should ensure compliance to the MNRE's order/ rule/ guidelines pertaining to KUSUM-C, including but not limited to the following:
 - a) Requirement of indigenously manufactured module, cells and BOS: System specifications and quality control of projects under KUSUM-C (FLS) would be in accordance with Para 6.4.6 of MNRE's Comprehensive Guidelines for Implementation of PM KUSUM Scheme, dated 17.01.2024, and its amendments/ modifications as relevant and applicable. This requirement would be applicable for the portion of Project Capacity eligible for Central Financial Assistance (CFA).
 - b) Requirement of Approved List of Models and Manufacturers (ALMM): Bidders/ Successful Bidders would comply ALMM requirement as per ALMM order by Ministry of Power dated 09.12.2024 and it would be applicable on full Project Capacity.

If this Declaration is found to be incorrect or if any RFP Condition is found violated by us, then without prejudice (*Insert Bidder's Name*) including our Members, Parent, Ultimate Parent, and our Affiliates shall be suspended/ debarred/ blacklisted from

participating in upcoming tenders issued by any department of MP State Government for a period of 5 years from the date of default as notified by MP Urja Vikas Nigam Limited. and the Proposal to the Extent of Acceptance / anytime during Execution of Assignment may be cancelled.

(Signature of Authorized Signatory)

Name (in Block Letter):

Designation & Organization Name (in Block Letter):

**Section IX: Formats for Submitting Performance Bank Guarantee (PBG) By
Successful Bidders**

Format for performance bank guarantee

(To be stamped on non – judicial stamp paper as per the stamp act of the state where the document is made)

- a) In consideration of the *[Insert name of the Bidder]* (hereinafter referred to as (Bidder) submitting the response to Request for Proposal (RFP) for Selection of RPGs for Design, Engineering, Supply, Installation, Testing and Commissioning including construction of bay and related switchgear at sub-station along with Comprehensive Operation & Maintenance (for twenty-five (25) Operational Years of Grid Connected Solar based Power Plants (SPPs) of aggregate capacity of ____ MW, under feeder solarization component of PM KUSUM-C scheme at various locations in the state of Madhya Pradesh, India, for Sale of Solar Power to MPPMCL at the delivery point in concerned ____ kV substation in Madhya Pradesh, India in response to the RFP dated _____ issued by Madhya Pradesh Urja Vikas Nigam Limited (hereinafter referred to as Nodal Agency) and Nodal Agency considering such response to the RFP of *[insert the name of the RPG]* (which expression shall unless repugnant to the context or meaning thereof include its executors, administrators, successors and assignees) and selecting the Project of the RPG and issuing LOA No. ____ to (Insert Name of RPG) as per terms of RFP and the same having been accepted by the selected Project Company, M/ s {a Special Purpose Vehicle (SPV) formed for this purpose}, if applicable]. As per the terms of the RFP, the *[insert name & address of bank]* hereby agrees unequivocally, irrevocably and unconditionally to pay to Nodal Agency at *[Insert Name of the Place from the address of the Nodal Agency]* forthwith on demand in writing from Nodal Agency, or any officer authorized by it in this behalf, any amount upto and not exceeding Rupees _____ [Rupees _____ (Total Value in words)] only, on behalf of M/ s *[Insert name of the SPD / Project Company]*. 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.
- b) Our liability under this Guarantee is restricted to Rupees _____ (both in numbers and words)

- c) Our Guarantee shall remain in force until Nodal Agency shall be entitled to invoke this Guarantee till _____. The Guarantor Bank hereby agrees and acknowledges that Nodal Agency shall have a right to invoke this BANK GUARANTEE in part or in full, as it may deem fit.
- d) The Guarantor Bank hereby expressly agrees that it shall not require any proof in addition to the written demand by Nodal Agency, made in any format, raised at the above mentioned address of the Guarantor Bank, in order to make the said payment to Nodal Agency.
- e) The Guarantor Bank shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by [Insert name of the SPD. The Guarantor Bank shall not require Nodal Agency to justify the invocation of this BANK GUARANTEE, nor shall the Guarantor Bank have any recourse against Nodal Agency in respect of any payment made hereunder.
- f) This BANK GUARANTEE shall be interpreted in accordance with the laws of India and the courts at Bhopal shall have exclusive jurisdiction.
- g) 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.
- h) 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.
- i) This BANK GUARANTEE shall be a primary obligation of the Guarantor Bank and accordingly Nodal Agency shall not be obliged before enforcing this BANK GUARANTEE to take any action in any court or arbitral proceedings against the selected RPG / Project Company, to make any claim against or any demand on the RPG or to give any notice to the RPG / Project Company or to enforce any security held by Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against the RPG / Project Company.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees _____ (Rupees _____ 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 Nodal Agency 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 _____

FORMAT 2: Check list for PBG

S. No.	Details of checks	YES/ NO
1	Is the Bank Guarantee on non-judicial Stamp paper of appropriate value, as per applicable Stamp Act of the place of execution	
2	Whether date, purpose of purchase of stamp paper and name of the purchaser are indicated on the back of Stamp paper under the Signature of Stamp vendor? (The date of purchase of stamp paper should be not later than the date of execution of Bank Guarantee and the stamp paper should be purchased either in the name of the executing Bank or the party on whose behalf the Bank Guarantee has been issued. Also the Stamp Paper should not be older than six (6) Months from the date of execution of Bank Guarantee).	
3	Has the executing Officer of Bank Guarantee indicated his name, designation and Power of Attorney No./ Signing Power no. on the Bank Guarantee?	
4	Is each page of Bank Guarantee duly signed / initialled by executant and whether stamp of Bank is affixed thereon? Whether the last page is signed with full particulars including two witnesses under seal of Bank as required in the prescribed Performa?	
5	Does the Bank Guarantees compare verbatim with the Performa prescribed in the Bid Documents?	
6	Are the factual details such as Bid Document No. / Specification No., / LOA No. (if applicable) / Amount of Bank Guarantee and Validity of Bank Guarantee correctly mentioned in the Bank Guarantee	
7	Whether overwriting/ cutting if any on the Bank Guarantee have been properly authenticated under signature & seal of executant?	

**ANNEXURE -1 – List of Substations along with estimated project
Capacity**

The Project Capacity against each substation mentioned in this annexure is indicative.
However, no change in Delivery Point would be allowed due to such revision.

Central DISCOM

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1	Ashoknagar	Barkhana	24.466753	78.251779	1.1	3.15	11	Yes
2	Ashoknagar	Barkheda nai	24.746228	77.585247	2.3	5.00	11	Yes
3	Ashoknagar	Bhaisarwas	24.551936	77.658591	3.9	5.00	11	Yes
4	Ashoknagar	Bhatpura	24.434703	78.096883	3.6	8.15	11	Yes
5	Ashoknagar	Bilehru	24.3195	78.0823	5.0	5.00	11	Yes
6	Ashoknagar	Jalapur	24.517406	77.538284	0.6	5.00	11	Yes
7	Ashoknagar	Jheela	24.5525	77.519	1.9	5.00	11	Yes
8	Ashoknagar	Kalabag	24.8669	77.35662	2.4	5.00	11	Yes
9	Ashoknagar	Kukretha	24.6	77.8967	2.7	8.15	11	Yes
10	Ashoknagar	Malawani	24.499294	77.837463	1.4	5.00	11	Yes
11	Ashoknagar	Mathner	24.5215	77.591271	1.1	5.00	11	Yes
12	Ashoknagar	Sehrai	24.565	77.971	6.2	8.15	11	Yes
13	Ashoknagar	Thoobanji	24.40066	77.741148	4.0	8.15	11	Yes
14	Ashoknagar	Toomen	24.8589291	77.6153572	7.7	10.00	11	Yes
15	Betul	BAYAWADI	21.832848	77.932565	3.8	5.00	11	Yes
16	Betul	BHADUS	21.869978	77.84825	4.3	10.00	11	Yes
17	Betul	BHIMPUR	21.94376	77.53958	5.0	5.00	11	Yes
18	Betul	Bisnoor	78.02947	21.63161	5.6	8.15	11	Yes
19	Betul	CHIKHALI KHURD	21.76844	78.35692	1.9	3.15	11	Yes
20	Betul	DAMJIPURA	21.741557	77.132068	2.5	10.00	11	Yes
21	Betul	GHATBIROLI	78.39023	21.74242	5.8	11.30	11	Yes
22	Betul	GONDRA	21.993148	77.778028	2.4	5.00	11	Yes
23	Betul	GURUWA PIPARIYA	21.91726	77.29502	1.8	5.00	11	Yes
24	Betul	JAMDEHI	21.992205	78.22094	3.9	6.30	11	Yes
25	Betul	JAMTHI	21.93722	77.870389	1.5	3.15	11	Yes
26	Betul	JAWRA	21.789778	78.011082	3.5	5.00	11	Yes
27	Betul	NAYEGAON	21.822185	77.858858	1.4	3.15	11	Yes
28	Betul	PANKHA (AMBADA)	21.858819	78.051637	5.0	10.00	11	Yes
29	Betul	POUNI	21.72383	78.02026	4.7	8.15	11	Yes
30	Betul	RATAMATI	21.854348	77.763811	1.5	3.15	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
31	Betul	RATANPUR	22.034611	77.563104	2.8	5.00	11	Yes
32	BHIND	ADOKHAR	26.33783	78.80858	1.7	5.00	11	Yes
33	BHIND	AKODA	26.5332	78.90359	1.8	5.00	11	Yes
34	BHIND	ANDHIYARI KALAN	26.261096	78.73049	0.9	5.00	11	Yes
35	BHIND	Barahed (Taton)	26.48466	78.26752	1.7	6.30	11	Yes
36	BHIND	BILAO	26.46828	78.89487	1.4	5.00	11	Yes
37	BHIND	BUDANPUR	26.70264	78.58591	2.1	5.00	11	Yes
38	BHIND	ENDORI	26.52142	78.32152	2.1	8.15	11	Yes
39	BHIND	GINGARKHI	26.4837	78.52615	1.2	5.00	11	Yes
40	BHIND	KANATHAR	26.34211	78.69665	0.8	5.00	11	Yes
41	BHIND	KANAWAR	26.56234	78.97976	0.9	5.00	11	Yes
42	BHIND	KATHAWA GURJAR	26.39471	78.47903	0.7	5.00	11	Yes
43	BHIND	LADAMPURA	26.51398	78.67021	0.7	5.00	11	Yes
44	BHIND	LAHROLI	26.46644	78.9457	0.9	5.00	11	Yes
45	BHIND	MAGHARA	26.78601	78.71929	0.8	3.15	11	Yes
46	BHIND	PIPARI	26.94904	78.89382	1.4	5.00	11	Yes
47	Bhopal O&M	Itawakhurd	22.8125	77.0458	2.8	5.00	11	Yes
48	Bhopal O&M	JONTALA	22.78306	78.00102	3.1	10.00	11	Yes
49	Datia	Badera Sopan	25.827236	78.795925	2.7	10.00	11	Yes
50	Datia	Badoni	25.687291	78.387532	4.7	8.15	11	Yes
51	Datia	Behruka	25.804102	78.422817	2.0	5.00	11	Yes
52	Datia	Bhadona	25.841885	78.414791	4.0	10.00	11	Yes
53	Datia	Bhander TV Tower	25.74381166666666.7	78.74041	6.6	10.00	11	Yes
54	Datia	Bharroli	25.85707	78.50096	1.9	5.00	11	Yes
55	Datia	Dagrai	25.630678	78.477704	3.0	5.00	11	Yes
56	Datia	Dohar	25.93652	78.58294	5.0	5.00	11	Yes
57	Datia	Kherona	25.953032	78.678358	1.3	5.00	11	Yes
58	Datia	Parsonda Baman	26.01209	78.76	4.5	10.00	11	Yes
59	Datia	Salon Bharroli	25.672728	78.78235	3.4	5.00	11	Yes
60	Datia	Sarsai	25.5907168	78.665226	2.6	5.00	11	Yes
61	Datia	Talgaon	25.937334	78.735547	3.9	5.00	11	Yes
62	Guna	barkheda khurd	24.19127	77.05349	3.1	8.15	11	Yes
63	Guna	BISHANWADA	24.996571	77.096461	2.4	10.00	11	Yes
64	Guna	Chachada	24.10956	77.01137	7.0	15.00	11	Yes
65	Guna	KALORA	24.7039	77.4242	2.6	10.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

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66	Guna	KHERIKHATA	24.880596	77.281095	4.9	5.00	11	Yes
67	Guna	Kumbhraj	24.3689	77.0478	7.9	18.15	11	Yes
68	Guna	MURADPUR	24.5689	77.1427	3.5	10.00	11	Yes
69	Guna	Sanai	24.23302	76.55308	3.2	5.00	11	Yes
70	Guna	SILAWATI-PATAI	24.9169	76.9556	2.4	5.00	11	Yes
71	Guna	SINGWASA	24.651875	77.371233	2.4	10.00	11	Yes
72	Guna	UKAWAD	23.57199	77.15606	6.3	10.00	11	Yes
73	Gwalior O&M	Aron	25.955735	77.927743	2.1	3.15	11	Yes
74	Gwalior O&M	Bahadurpur	25.926421	78.174862	0.8	5.00	11	Yes
75	Gwalior O&M	Berja	25.926421	78.174862	0.8	3.15	11	Yes
76	Gwalior O&M	BILLUA	25.926421	78.174862	0.5	5.00	11	Yes
77	Gwalior O&M	CHARKHA	25.884903	78.367135	2.3	5.00	11	Yes
78	Gwalior O&M	DONGARPUR	26.066622	78.455619	1.7	5.00	11	Yes
79	Gwalior O&M	Ganeshpura	25.884903	78.367135	3.3	5.00	11	Yes
80	Gwalior O&M	Ghatigaon	25.884903	78.367135	1.8	6.30	11	Yes
81	Gwalior O&M	Jakhara	26.237522	78.460158	1.9	3.15	11	Yes
82	Gwalior O&M	KARRA	25.847452	78.361585	1.4	5.00	11	Yes
83	Gwalior O&M	Mohana	25.89439	77.776373	3.6	5.00	11	Yes
84	Gwalior O&M	Nougaon	26.132545	78.131482	1.7	5.00	11	Yes
85	Gwalior O&M	Par	26.042155	78.037436	4.0	8.15	11	Yes
86	Gwalior O&M	Rairu	26.304492	78.118556	0.9	5.00	11	Yes
87	Gwalior O&M	SHYAMPUR	25.81928	78.060705	2.6	5.00	11	Yes
88	HARDA	Charua	22.11157	76.1118	12.0	15.00	11	Yes
89	HARDA	Kartana	22.284	77.1039	10.3	15.00	11	Yes
90	HARDA	Rahatgaon	22.23874	77.22565	12.9	20.00	11	Yes
91	HARDA	Rehtakalan	22.1056	77.182	4.3	5.00	11	Yes
92	HARDA	Relwa	22.387587	76.975472	2.0	5.00	11	Yes
93	HARDA	Somgaon	22.08311	76.99527	4.8	5.00	11	Yes
94	HARDA	Sontalai	22.3457	76.86658	6.5	15.00	11	Yes
95	Morena	Lohabasai	26.318568	77.908614	0.9	5.00	11	Yes
96	Morena	Bahgel	26.38	77.7252	0.9	5.00	11	Yes
97	Morena	Bhagrol	26.302837	77.718846	1.1	5.00	11	Yes
98	Morena	Chheetriya Pura	26.409959	77.755747	2.3	5.00	11	Yes
99	Morena	Dharsola	26.208689	77.515613	2.8	5.00	11	Yes
100	Morena	Eishah	26.684501	78.10835	1.3	5.00	11	Yes

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
101	Morena	Goonjbada	26.761035	78.162831	1.1	5.00	11	Yes
102	Morena	Jigni	26.54331	78.06817	5.1	10.00	11	Yes
103	Morena	Kamtari	26.65423	78.21835	1.6	8.15	11	Yes
104	Morena	Mamchone	26.197989	77.559496	3.3	5.00	11	Yes
105	Morena	Morena Gaon	26.48671	77.9598	3.0	10.00	11	Yes
106	Morena	Nepri	26.303631	77.58612	4.0	10.00	11	Yes
107	Morena	Palna	26.698533	78.316025	0.5	5.00	11	Yes
108	Morena	Rachhed	26.79825	78.30163	1.6	5.00	11	Yes
109	Morena	Silawali	26.4443	78.2942	0.8	5.00	11	Yes
110	Morena	Tarsama	26.61643	78.38776	1.6	5.00	11	Yes
111	Morena	Vijaygarh	26.784914	78.36984	1.2	5.00	11	Yes
112	Narmadapuram	BICHHUA	22.6290249,	77.943632	2.9	5.00	11	Yes
113	Narmadapuram	Chargaon	22.6569754	78.2258803	5.0	5.00	11	Yes
114	Narmadapuram	Chilachone	22.8232035	77.8161953	4.9	10.00	11	Yes
115	Narmadapuram	Chorahat	22.7588803	78.0337504	7.3	10.00	11	Yes
116	Narmadapuram	CHOUNKI PURA	22.40487	77.7845018	3.0	5.00	11	Yes
117	Narmadapuram	CHOULTAI	22°36'37.9"	77°30'56.4"	3.3	5.00	11	Yes
118	Narmadapuram	Dehalwada	22.75997	78.57044	8.0	10.00	11	Yes
119	Narmadapuram	Dharpura	22.86157	78.44325	0.5	5.00	11	Yes
120	Narmadapuram	DOLARIYA	22°34'58.27915"	77°38'40.51237"	15.0	15.00	11	Yes
121	Narmadapuram	Fajju Salaiya	22.9275	78.55862	4.3	10.00	11	Yes
122	Narmadapuram	GURANJGHAT	22°22'0.59668"	77°21'25.25872"	4.0	5.00	11	Yes
123	Narmadapuram	Kanwar	22.78068	78.45206	5.8	10.00	11	Yes
124	Narmadapuram	Karanpur	22.715379	78.222395	4.8	5.00	11	Yes
125	Narmadapuram	Khairikalan	22.68894	78.31712	5.7	8.15	11	Yes
126	Narmadapuram	Kursidhana	22.77774	78.492	2.8	5.00	11	Yes
127	Narmadapuram	Machhera Kalan	22.81756	78.54778	2.9	5.00	11	Yes
128	Narmadapuram	Malini	22.645986	78.052136	2.5	10.00	11	Yes
129	Narmadapuram	Malkajra	22.91172	78.44753	5.1	10.00	11	Yes
130	Narmadapuram	Nandna Paraswada	22.8569	78.56738	2.0	5.00	11	Yes
131	Narmadapuram	New Bankhedi	22.77109	78.52658	4.0	5.00	11	Yes
132	Narmadapuram	Pipariya(T)	22.76238	78.3434	5.0	5.00	11	Yes
133	Narmadapuram	Piparpani	22.75143	78.59635	5.8	10.00	11	Yes
134	Narmadapuram	Posera	22.8211	78.4137	2.6	5.00	11	Yes
135	Narmadapuram	Sangakheda patni	22.788049	78.032881	1.3	5.00	11	Yes

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136	Narmadapuram	Semritala	22.89817	78.39368	2.3	5.00	11	Yes
137	Narmadapuram	Shankhni	22.84935	78.40805	4.7	5.00	11	Yes
138	Narmadapuram	Sodra	22.8162995,	78.1953853	4.5	8.15	11	Yes
139	Narmadapuram	Surelakala	22.815239	78.321322	3.2	5.00	11	Yes
140	Narmadapuram	TALNAGARI	22°42'39.18218"	77°36'29.7284"	5.7	8.15	11	Yes
141	Narmadapuram	Tutadehalwada	22.73093	78.42046	7.2	10.00	11	Yes
142	Raisen	Airen	23.482162	77.698167	3.2	5.00	11	Yes
143	Raisen	CHIKLOD	23°7'26.650"N	77°41'50.019"E	4.2	5.00	11	Yes
144	Raisen	Dhandla	22.878122	78.118848	0.8	5.00	11	Yes
145	Raisen	Dimada	22.91796	78.18921	1.2	5.00	11	Yes
146	Raisen	Gugalwada	22.900075	78.076181	2.1	5.00	11	Yes
147	Raisen	Padariya Kala	23.168188	78.2659	3.5	5.00	11	Yes
148	Raisen	Pipariya Karansingh	23.04111	78.252623	2.5	5.00	11	Yes
149	Raisen	POLAHA	23°5'10.84578"N	77°28'53.0855"E	7.1	10.00	11	Yes
150	Raisen	Simariya Bakshi	23.248232	78.464312	2.7	5.00	11	Yes
151	rajgarh	AKVN BILAPURA	23.706750,	76.714444	0.5	3.15	11	Yes
152	rajgarh	ANDALHEDA	23.759278	77.054222	2.1	5.00	11	Yes
153	rajgarh	ASARETA	23.594944	76.617972	8.1	10.00	11	Yes
154	rajgarh	BALAHEDA	23.91575	76.355722	1.1	5.00	11	Yes
155	rajgarh	BAMANGAON	23.888861	76.567583	1.9	5.00	11	Yes
156	rajgarh	BAMLABE	23.904000,	76.836778	0.5	5.00	11	Yes
157	rajgarh	BANGPURA	24.106806	76.433083	5.0	5.00	11	Yes
158	rajgarh	BATAVADA	23.831611	76.521139	4.1	5.00	11	Yes
159	rajgarh	Batediya(Rajpura)	24.190139	76.40175	1.8	5.00	11	Yes
160	rajgarh	BAWADIKHEDA	23.510639	76.724139	5.0	5.00	11	Yes
161	rajgarh	BELAPURA	23.510639	76.724139	5.0	5.00	11	Yes
162	rajgarh	BHILKHEDI	23.763167	76.632611	2.9	5.00	11	Yes
163	rajgarh	BIGNODIPURA	23.619722	76.474167	4.4	5.00	11	Yes
164	rajgarh	CHATUKHEDA	23.869778	76.691528	10.9	15.00	11	Yes
165	rajgarh	DAGLIYA BAJRON	23.956056	76.450028	2.0	5.00	11	Yes
166	rajgarh	DAMDIA	23.759472	76.766583	6.0	10.00	11	Yes
167	rajgarh	DHABLA	23.629306	76.874361	1.2	5.00	11	Yes
168	rajgarh	GORIYKHEDA	23.795778	76.711194	5.0	5.00	11	Yes
169	rajgarh	GULAWATA	23.665722	76.54525	4.0	5.00	11	Yes
170	rajgarh	HASROD	23.922167	77.118139	2.3	5.00	11	Yes

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171	rajgarh	IKLERA	23.504889	76.8145	9.0	10.00	11	Yes
172	rajgarh	JALAMPURA	24.017639	76.577028	5.6	10.00	11	Yes
173	rajgarh	JAMI	23.854556	77.031389	3.4	5.00	11	Yes
174	rajgarh	JETPURA	24.023889	76.462111	2.7	8.15	11	Yes
175	rajgarh	JHANJHADPUR	24.060972	76.769361	1.2	3.15	11	Yes
176	rajgarh	KACHNARIA	23.735361	76.693111	5.0	5.00	11	Yes
177	rajgarh	KALIPITH	24.03275	76.841278	10.0	13.15	11	Yes
178	rajgarh	KAREDI	23.93275	76.663556	3.3	10.00	11	Yes
179	rajgarh	KHAJURIA	23.822222	76.899444	4.7	5.00	11	Yes
180	rajgarh	KHARPA	24.04925	76.314722	1.0	5.00	11	Yes
181	rajgarh	KHUJNER	23.779528	76.620556	7.1	15.00	11	Yes
182	rajgarh	LAKHONI	24.14375	76.392639	3.1	10.00	11	Yes
183	rajgarh	LASHKARPUR	23.575167	77.1005	4.4	5.00	11	Yes
184	rajgarh	LEEMACHOUHAN	23.752833	76.492083	5.7	10.00	11	Yes
185	rajgarh	PIPLYA TAWAKKUL	23.532389	76.769778	4.2	5.00	11	Yes
186	rajgarh	ROSLA	23.610972	76.780139	3.7	5.00	11	Yes
187	rajgarh	SABARSIYA	23.800000,	76.450889	3.4	5.00	11	Yes
188	rajgarh	TALEN	23.563028	76.729778	10.7	15.00	11	Yes
189	rajgarh	TODI	23.916111	77.166083	6.3	8.15	11	Yes
190	rajgarh	UMRI	23.593833	76.837917	4.5	10.00	11	Yes
191	SEHORE	ABIDABAD	23.04347043	77.29486277	2.8	5.00	11	Yes
192	SEHORE	AMLAHA	23.12655	76.91404	9.1	10.00	11	Yes
193	SEHORE	bhaukhedi	23.09607	77.00186	4.8	10.00	11	Yes
194	SEHORE	JAGMALPURA	22.9849	76.72532	1.4	5.00	11	Yes
195	SEHORE	KARMANKHEDI(GAUKHEDI)	23.08176	76.56375	2.0	5.00	11	Yes
196	SEHORE	KAUDIGHAR	23.18544	77.0509	5.0	8.15	11	Yes
197	SEHORE	KOLAR	22.97666	77.34471	1.5	5.00	11	Yes
198	SEHORE	KULAS	23.16995	77.21594	3.2	5.00	11	Yes
199	SEHORE	KURAWAR	23.07373	76.59146	5.1	10.00	11	Yes
200	SEHORE	LAUKHEDI	23.04621	76.87921	1.7	5.00	11	Yes
201	SEHORE	MAGARDA	23.5711	77.19811	1.1	5.00	11	Yes
202	SEHORE	MONGRARAM	23.14432	77.03977	3.1	3.15	11	Yes
203	SEHORE	NAPLAKHEDI	23.16402	77.0074	3.5	5.00	11	Yes
204	SEHORE	NIPANIA	23.12699	76.80089	4.9	10.00	11	Yes
205	Sheopur	Adwar	25.68131	76.535637	4.1	10.00	11	Yes

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206	Sheopur	Alapura	25.533944	76.572196	3.5	10.00	11	Yes
207	Sheopur	Baragaba	25.674891	77.055907	2.7	5.00	11	Yes
208	Sheopur	Benipura	25.999468	77.377127	1.9	5.00	11	Yes
209	Sheopur	Bhurwada	25.590453	76.615501	0.6	5.00	11	Yes
210	Sheopur	Chakasan	25.734743	76.560013	1.3	5.00	11	Yes
211	Sheopur	ChakramPura	25.329896	76.998406	1.6	5.00	11	Yes
212	Sheopur	Dhiroly	25.883508	76.759203	2.8	5.00	11	Yes
213	Sheopur	Dord	26.259893	77.411935	1.1	5.00	11	Yes
214	Sheopur	Gohata	26.054147	77.407618	2.7	5.00	11	Yes
215	Sheopur	Jaida	25.673232	76.67899	1.6	10.00	11	Yes
216	Sheopur	JAVASA	25.887416	76.646669	1.8	5.00	11	Yes
217	Sheopur	Kalarna	25.675516	76.722163	2.2	5.00	11	Yes
218	Sheopur	Kanapur	25.652176	76.643618	2.0	10.00	11	Yes
219	Sheopur	Khirkhiri	25.440752	77.063102	2.3	5.00	11	Yes
220	Sheopur	LAAT	25.558459	76.712988	0.9	5.00	11	Yes
221	Sheopur	Mau jaanpura	25.616659	76.689252	1.8	5.00	11	Yes
222	Sheopur	NAYAGAON	25.5678	76.74826	1.5	5.00	11	Yes
223	Sheopur	Pahadli	25.507439	76.548793	2.6	5.00	11	Yes
224	Sheopur	Ratodhan	25.425521	76.706038	2.4	10.00	11	Yes
225	Sheopur	Shyampur	26.079072	77.041515	1.7	5.00	11	Yes
226	Sheopur	Silpuri	25.558042	77.046588	2.2	5.00	11	Yes
227	Sheopur	Tillidera	25.883652	76.80663	1.2	5.00	11	Yes
228	Shivpuri	AKAJHIRI	77.81848	25.144359	2.4	5.00	11	Yes
229	Shivpuri	BADARWAS	77.5602	24.969066	4.1	8.15	11	Yes
230	Shivpuri	BANSHKHEDI	77.6353	25.33764	4.9	10.00	11	Yes
231	Shivpuri	BEHGWAN	78.0933	25.669282	7.1	10.00	11	Yes
232	Shivpuri	BHAISRAVAN	77.0807	25.371752	1.7	5.00	11	Yes
233	Shivpuri	BHATNAWAR	77.3883	25.60516	2.9	5.00	11	Yes
234	Shivpuri	BIJRONI	77.6323523	24.538207	3.8	5.00	11	Yes
235	Shivpuri	CHAKRANA	77.4101605	25.5629601	0.6	5.00	11	Yes
236	Shivpuri	EJWARA	77.648739	25.023262	2.8	5.00	11	Yes
237	Shivpuri	GOVERDHAN	77.6375	25.790113	4.6	5.00	11	Yes
238	Shivpuri	KAILDAR	77.521018	25.084685	2.9	10.00	11	Yes
239	Shivpuri	KARAI	78.112227	25.561426	3.1	3.15	11	Yes
240	Shivpuri	KARYA	77.4555	25.224384	3.0	10.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

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241	Shivpuri	KHANIYADHANA	78.1407	25.029104	3.6	5.00	11	Yes
242	Shivpuri	KHARAI	77.4531	25.308085	6.1	10.00	11	Yes
243	Shivpuri	KHATKA	77.6375	25.935051	3.2	5.00	11	Yes
244	Shivpuri	KHATORA	77.7141	24.979913	4.5	10.00	11	Yes
245	Shivpuri	KHOD	77.964881	25.2335879	4.9	8.15	11	Yes
246	Shivpuri	KILAWANI	77.466398	25.363479	0.8	5.00	11	Yes
247	Shivpuri	LALGARH	77.5142	25.403982	4.7	5.00	11	Yes
248	Shivpuri	LUKWASA	77.6062	25.113022	5.4	10.00	11	Yes
249	Shivpuri	MADA	77.785	25.089449	6.3	10.00	11	Yes
250	Shivpuri	MADIKHEDA	77.5653	25.294853	5.2	10.00	11	Yes
251	Shivpuri	NARAOUA	78.0275	25.592292	4.3	5.00	11	Yes
252	Shivpuri	NOHARI	77.6719	25.487526	3.8	10.00	11	Yes
253	Shivpuri	PACHAWALI	77.658373	25.107574	3.7	5.00	11	Yes
254	Shivpuri	PATHKHEDA	77.9034	24.689421	0.7	5.00	11	Yes
255	Shivpuri	PIPRODA	77.9943359	25.077818	4.6	5.00	11	Yes
256	Shivpuri	RAHICHOURAHA	78.8694	25.159521	1.9	5.00	11	Yes
257	Shivpuri	RAI	77.544271	25.235478	2.4	5.00	11	Yes
258	Shivpuri	RAJOUA	78.14822	26.024816	1.6	5.00	11	Yes
259	Shivpuri	RAMTALA	77.620937	25.235328	2.4	5.00	11	Yes
260	Shivpuri	RANNOD	78.0288636	25.071394	3.9	5.00	11	Yes
261	Shivpuri	RANTHKHEDA	77.394288	25.451126	0.5	5.00	11	Yes
262	Shivpuri	RASERA	77.456794	25.6572941	3.8	5.00	11	Yes
263	Shivpuri	SAD	78.2435	25.620187	2.4	5.00	11	Yes
264	Shivpuri	SHRIPUR	77.581936	25.002567	2.8	5.00	11	Yes
265	Shivpuri	SIRSOD (KARERA)	78.0469	25.438939	3.1	3.15	11	Yes
266	Shivpuri	SIRSOD POHARI	77.4904	25.412671	3.9	15.00	11	Yes
267	Vidisha	ALIGARH KOTRA	23.95072	77.340981	2.7	3.15	11	Yes
268	Vidisha	AMBANAGAR	23.919783	77.898228	2.9	8.15	11	Yes
269	Vidisha	BAREJ(BENDIGARH)	24.155757	77.810464	1.1	5.00	11	Yes
270	Vidisha	BARWAI	24.169126	77.959407	2.1	5.00	11	Yes
271	Vidisha	Devpur	24.162896	77.610921	1.4	5.00	11	Yes
272	Vidisha	JHIRNIYA	23.4758056	78.0352929	1.4	5.00	11	Yes
273	Vidisha	KAGPUR	23.7442611	77.7985799	2.0	3.15	11	Yes
274	Vidisha	KAKRUA	24.04311	78.048935	1.9	5.00	11	Yes
275	Vidisha	KHIRIYA	23.664887	78.193773	1.9	5.00	11	Yes

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276	Vidisha	KULHAR	23.970566	78.067752	1.0	3.15	11	Yes
277	Vidisha	LASHKARPUR	23.6235569	77.7890423	4.1	5.00	11	Yes
278	Vidisha	PATHARIYA PATHAR	23.542718	77.606857	3.8	8.15	11	Yes
279	Vidisha	PIPARIYA HAT	24.24583	77.627002	4.2	8.15	11	Yes
280	Vidisha	SOMWARA	23.8883429	77.7881229	5.8	10.00	11	Yes
281	Vidisha	SUKHNER	24.116419	77.438145	0.5	5.00	11	Yes
282	Ashoknagar	Athaikheda	24.5775	77.574055	2.2	8.15	11	No
283	Ashoknagar	Bahadurpur	24.2027	77.5776	4.9	10.00	11	No
284	Ashoknagar	Bangla Chauraha	24.316728	77.915289	3.0	10.00	11	No
285	Ashoknagar	Bhariya khedi	24.3759	77.5368	2.1	10.00	11	No
286	Ashoknagar	Chackchiroli	24.7783	77.677128	4.3	10.00	11	No
287	Ashoknagar	Eshagarh	24.841949	77.873169	6.8	10.00	11	No
288	Ashoknagar	Garethi	24.3482	77.5809	4.5	5.00	11	No
289	Ashoknagar	Imla	24.5775	77.708	5.9	10.00	11	No
290	Ashoknagar	Kachnar	24.4326	77.42519	4.3	10.00	11	No
291	Ashoknagar	Kolua	24.3975	77.708	3.0	8.15	11	No
292	Ashoknagar	Maheedpur	24.766039	77.7185	4.3	13.15	11	No
293	Ashoknagar	Manheti	24.9563	77.52387	3.1	5.00	11	No
294	Ashoknagar	Mungawali	24.2435	78.06	3.0	5.00	11	No
295	Ashoknagar	Naisarai	24.48537	77.66254	6.2	10.00	11	No
296	Ashoknagar	Parsol	24.8917	77.4744	5.0	8.15	11	No
297	Ashoknagar	Piprai	24.3015	77.5814	2.2	8.15	11	No
298	Ashoknagar	Semrahat	24.4612	77.5588	4.1	10.00	11	No
299	Ashoknagar	Sezi	24.9246207	77.7605264	2.9	8.15	11	No
300	Ashoknagar	Shadora	24.3733	77.255931	2.2	5.00	11	No
301	Betul	AMDAR-SEHRA	21.810336	77.88858	3.7	13.15	11	No
302	Betul	ATHNER	21.621437	77.926139	4.4	10.00	11	No
303	Betul	BARJORPUR	22.185512	77.654616	4.1	10.00	11	No
304	Betul	BHAINSDEHI	21.654985	77.636376	6.3	10.00	11	No
305	Betul	BHOURA	22.261259	77.882156	3.0	5.00	11	No
306	Betul	BIRUL BAZAR	21.69533	78.17526	4.9	10.00	11	No
307	Betul	BORDEHI	22.021661	78.353811	6.4	15.00	11	No
308	Betul	CHANDU	21.760104	77.569401	3.3	10.00	11	No
309	Betul	CHICHOLI	21.980111	77.652397	8.3	15.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

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310	Betul	CHIKHALI	21.84034	78.41308	8.1	8.15	11	No
311	Betul	CHILLOR	21.86782	77.33382	3.1	10.00	11	No
312	Betul	CHIRAPATLA	22.090328	77.514261	3.1	5.00	11	No
313	Betul	CHOPNA	22.226815	78.034739	1.5	5.00	11	No
314	Betul	CHUNA HAJURI	22.066132	77.586935	2.6	5.00	11	No
315	Betul	DAHUWA	21.81807	78.38362	14.0	15.00	11	No
316	Betul	DEHALWADA	21.983646	78.295698	8.2	10.00	11	No
317	Betul	DUNAWA	21.88258	78.52265	8.1	8.15	11	No
318	Betul	G.DONGARI	22.098688	78.03135	8.1	8.15	11	No
319	Betul	GUDGAON	21.599852	77.712011	5.0	8.15	11	No
320	Betul	HAMLAPUR	21.902082	77.911408	1.3	5.00	11	No
321	Betul	HARDU	22.057922	77.660528	4.0	5.00	11	No
322	Betul	HIWARKHEDI	21.637732	78.267823	5.0	10.00	11	No
323	Betul	JHALLAR	21.727953	77.734382	6.0	10.00	11	No
324	Betul	KAILASH NAGAR	22.152522	78.113289	1.5	3.15	11	No
325	Betul	KHANDARA	21.925378	77.977105	4.5	10.00	11	No
326	Betul	KHEDLI BAZAR	21.918435	78.355497	10.4	15.00	11	No
327	Betul	KHOMAI	21.398103	77.64814	2.7	5.00	11	No
328	Betul	LAKHAPUR	21.924044	78.046022	6.6	10.00	11	No
329	Betul	LIKHDI	22.052673	78.324489	2.8	5.00	11	No
330	Betul	MALAJPUR	22.01176	77.707272	5.2	10.00	11	No
331	Betul	MANDAI	21.94795	77.807955	2.9	5.00	11	No
332	Betul	MASOD	21.6352	78.09746	4.5	5.00	11	No
333	Betul	Mohi	78.19594	21.82301	8.5	12.23	11	No
334	Betul	MORKHA	21.91796	78.396487	6.5	10.00	11	No
335	Betul	MULTA	21.774284	78.266714	1.1	5.00	11	No
336	Betul	PARSODI	21.955783	78.150705	6.3	10.00	11	No
337	Betul	PATAKHEDA	22.085857	78.127581	2.1	8.15	11	No
338	Betul	PRABHAT PATTAN	78.26791	21.6379	7.1	11.30	11	No
339	Betul	RAMPUR	22.085178	77.834773	5.0	5.00	11	No
340	Betul	SARRA	78.25065	78.30316	3.7	5.00	11	No
341	Betul	SAWALMENDHA	21.517084	77.698115	2.8	8.15	11	No
342	Betul	SEMARIYA JOSHI (KHARPADAKHEDI)	21.916757	78.396487	5.0	5.00	11	No
343	Betul	SOHAGPUR	21.865373	77.970369	6.6	10.00	11	No
344	BHIND	ASWAR	26.13435	78.86164	3.8	10.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

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345	BHIND	CHANDUPURA	26.50706	78.77739	1.8	5.00	11	No
346	BHIND	CHOMO	26.69733	78.62852	1.8	5.00	11	No
347	BHIND	DABOH	26.00275	78.87537	4.7	10.00	11	No
348	BHIND	GOHAD	26.44614	78.43421	2.0	10.00	11	No
349	BHIND	GORMI	26.59764	78.50805	2.2	10.00	11	No
350	BHIND	GOURAI	26.360347	78.932536	1.8	5.00	11	No
351	BHIND	ITI	26.55864	78.8123	3.7	10.00	11	No
352	BHIND	KACHNAV	26.61703	78.53181	2.0	5.00	11	No
353	BHIND	LAHAR	26.1842	78.9456	3.8	10.00	11	No
354	BHIND	MACHHAND	26.31124	79.04757	1.4	3.15	11	No
355	BHIND	MANGARH	26.36053	78.89208	3.2	8.15	11	No
356	BHIND	MASOORI	26.59995	78.68258	3.1	10.00	11	No
357	BHIND	MOU	26.27235	78.66613	3.1	8.15	11	No
358	BHIND	NAYAGAON	26.42515	79.01362	3.0	10.00	11	No
359	BHIND	NUNHATA	26.48669	78.82676	1.4	5.00	11	No
360	BHIND	PANDARI	26.50678	79.01333	0.5	5.00	11	No
361	BHIND	PHOOP	26.64828	78.88106	4.8	13.15	11	No
362	BHIND	RASNOL	26.23767	78.5917	4.6	10.00	11	No
363	BHIND	RAWATPURA	26.11041	78.95041	1.1	5.00	11	No
364	BHIND	ROUN	26.33853	78.94576	2.7	10.00	11	No
365	BHIND	SUKHAND	26.63805	78.46955	2.5	5.00	11	No
366	BHIND	SURPURA	26.70558	78.75266	0.7	5.00	11	No
367	BHIND	UDOTPURA	26.19078	78.8942	3.6	5.00	11	No
368	BHIND	UMARI	26.50788	78.93589	3.1	10.00	11	No
369	BHIND	VANKHANDESHWAR	26.49012	78.61915	1.7	8.15	11	No
370	Bhopal City	MISROD	23.1610716	77.4702879	1.8	5.00	11	No
371	Bhopal O&M	Amon	22.8898	77.939	4.2	10.00	11	No
372	Bhopal O&M	BABACHIYA	23.6912	77.6031	7.2	10.00	11	No
373	Bhopal O&M	BADJHIRI	23.1284	77.2779	0.9	5.00	11	No
374	Bhopal O&M	BAGRODA	23.1625	77.5378	1.8	10.00	11	No
375	Bhopal O&M	BAKTARA	22.9062	78.0174	2.3	5.00	11	No
376	Bhopal O&M	BASANIYA	22.71672	77.40938	3.4	5.00	11	No
377	Bhopal O&M	BERASIYA	23.267	77.4176	3.7	5.00	11	No
378	Bhopal O&M	BERKHEDA SALAM	23.2996	77.2503	4.1	5.00	11	No
379	Bhopal O&M	Bhadakui	22.727531	77.248598	4.1	8.15	11	No

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380	Bhopal O&M	BILKHIRIYA	23.2563	77.5837	2.8	5.00	11	No
381	Bhopal O&M	Chakaldi	22.78822	77.37442	5.0	5.00	11	No
382	Bhopal O&M	CHATAKHEDI	23.6873	77.4126	4.2	10.00	11	No
383	Bhopal O&M	Chhipaner	22.5743	77.1434	2.2	5.00	11	No
384	Bhopal O&M	DOBI	22.8849	77.8993	8.5	15.00	11	No
385	Bhopal O&M	GADAR	22.9278	77.9253	1.2	5.00	11	No
386	Bhopal O&M	Gillore	22.6475	77.1966	6.3	15.00	11	No
387	Bhopal O&M	Gopalpur	22.647	77.127	8.5	10.00	11	No
388	Bhopal O&M	GUNGA	23.453	77.3481	10.0	10.00	11	No
389	Bhopal O&M	Hameedganj	22.7278	77.0728	1.9	5.00	11	No
390	Bhopal O&M	INTKHEDI	23.3633	77.3957	6.7	15.00	11	No
391	Bhopal O&M	JAHAPURA	22.691023	77.549987	4.6	10.00	11	No
392	Bhopal O&M	KAJLIKHEDA	23.1085	77.4007	1.6	5.00	11	No
393	Bhopal O&M	KALAKHEDI	23.0346	77.5214	3.6	5.00	11	No
394	Bhopal O&M	KALYANPUR	23.3103	77.4913	3.9	5.00	11	No
395	Bhopal O&M	KARANPURA	23.6049	77.3485	2.4	5.00	11	No
396	Bhopal O&M	KULHOR	23.644	77.5284	15.0	15.00	11	No
397	Bhopal O&M	KURANA	23.267	77.4175	1.3	5.00	11	No
398	Bhopal O&M	Ladkui	22.8043	77.2296	8.4	10.00	11	No
399	Bhopal O&M	LAMBAKHEDA	23.324	77.4045	3.2	5.00	11	No
400	Bhopal O&M	MAJEEDGADH	23.8738	77.2899	3.4	5.00	11	No
401	Bhopal O&M	MANA BUDHANI	22.781236	77.676808	4.3	5.00	11	No
402	Bhopal O&M	MANGALGARH	23.676	77.1801	3.4	5.00	11	No
403	Bhopal O&M	Mardanpur	22.6635	77.4736	6.3	10.00	11	No
404	Bhopal O&M	MEGRA JOD	23.4148	77.2806	2.3	5.00	11	No
405	Bhopal O&M	MUGALIYA CHHAP	23.2263	77.2975	5.6	10.00	11	No
406	Bhopal O&M	Naktitalai	22.72233	77.51799	4.1	10.00	11	No
407	Bhopal O&M	NANDNER	22.839	77.9772	3.9	10.00	11	No
408	Bhopal O&M	NARAYANPUR	22.8507	77.9377	2.8	5.00	11	No
409	Bhopal O&M	NASRULLAGANJ	22.6874	77.2626	2.6	5.00	11	No
410	Bhopal O&M	NAYSAMAND	23.4541	77.2259	3.3	10.00	11	No
411	Bhopal O&M	NAZEERABAD	23.7959	77.2554	11.5	15.00	11	No
412	Bhopal O&M	Neelkanth	22.6188	77.282	9.5	10.00	11	No
413	Bhopal O&M	NIPANIYA JAT	23.4166	77.4031	4.7	5.00	11	No
414	Bhopal O&M	Panchore	22.7694	77.2789	2.6	5.00	11	No

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415	Bhopal O&M	Rafikganj	22.8175	77.1732	2.0	5.00	11	No
416	Bhopal O&M	RAKHAVIHAR	23.2697	77.4162	1.9	5.00	11	No
417	Bhopal O&M	RAMGARHA	22.7611	77.3807	14.1	18.15	11	No
418	Bhopal O&M	RATUA	23.4788	77.408	14.8	15.00	11	No
419	Bhopal O&M	Rehti	22.731102	77.42951	2.4	5.00	11	No
420	Bhopal O&M	Sagoniya	22.7642191	77.456612	0.7	5.00	11	No
421	Bhopal O&M	SAPAUWA	23.5876	77.4808	5.9	10.00	11	No
422	Bhopal O&M	Seelkanth	22.5906	77.2338	2.6	5.00	11	No
423	Bhopal O&M	Semalpani	22.702592	77.190009	4.1	8.15	11	No
424	Bhopal O&M	SHAHGANJ	22.8912	77.8051	6.2	10.00	11	No
425	Bhopal O&M	Shyamugaon	22.63942	77.37313	0.8	3.15	11	No
426	Bhopal O&M	SONKHACH	23.5605	77.4122	3.0	5.00	11	No
427	Bhopal O&M	TARASEWANIYA	23.3602	77.293	4.8	10.00	11	No
428	Bhopal O&M	TEELAKHEDI	23.1866	77.2421	1.4	5.00	11	No
429	Bhopal O&M	TUMDA	23.3325	77.1837	2.1	5.00	11	No
430	Bhopal O&M	UNCHAKHEDA	22.743132	77.567989	3.8	10.00	11	No
431	Bhopal O&M	Vasudev	22.6908	77.1411	5.0	5.00	11	No
432	Datia	Bagedari	25.484236	78.365912	0.9	5.00	11	No
433	Datia	Bargaun	25.744026	78.381556	7.1	10.00	11	No
434	Datia	Basai	25.151226	78.395201	2.3	6.30	11	No
435	Datia	Bhaguapura	26.064542	78.713431	12.5	15.00	11	No
436	Datia	Bhander road	25.675037	78.476625	2.4	5.00	11	No
437	Datia	Debhai	25.991035	78.633717	1.9	5.00	11	No
438	Datia	Dheerpura	25.790601	78.502253	4.5	5.00	11	No
439	Datia	Digua	26.005077	78.707333	2.7	5.00	11	No
440	Datia	Ghughsi	25.719437	78.289501	1.7	5.00	11	No
441	Datia	Indergarh	25.90933	78.55222	9.5	15.00	11	No
442	Datia	Industrial	25.642625	78.448698	2.6	5.00	11	No
443	Datia	Katapur	25.848125	78.585872	9.6	15.00	11	No
444	Datia	Lanch	25.92072	78.48942	5.0	5.00	11	No
445	Datia	Nayakhara	25.157576	78.31903	1.8	5.00	11	No
446	Datia	Orina	25.704837	78.24085	1.6	5.00	11	No
447	Datia	Pandokhar	25.886612	78.794809	10.4	15.00	11	No
448	Datia	Raruarai	25.83528	78.53136	6.4	10.00	11	No
449	Datia	Seondha By Pass	26.069626	78.787465	4.2	8.15	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
450	Datia	THARET	26.145768	78.771667	12.0	15.00	11	No
451	Datia	Uchad	25.88979	78.47218	5.8	10.00	11	No
452	Datia	Udina	25.883255	78.690533	5.6	15.00	11	No
453	Datia	Unnao	25.579152	78.596778	3.9	10.00	11	No
454	Guna	Amoda	24.42268833	77.40492166	2.3	5.00	11	No
455	Guna	Aron	24.375396	77.4161854	4.3	10.00	11	No
456	Guna	BAJRANGARH	24.59241	77.289481	3.2	5.00	11	No
457	Guna	BARKHEDA GIRD	24.563173	77.396992	7.7	10.00	11	No
458	Guna	BERKHEDI(Sujakhedi)	23.763669	76.173031	2.8	5.00	11	No
459	Guna	BISONIYA	24.680201	77.21186	2.2	5.00	11	No
460	Guna	COLONY	24.4579	77.0678	2.3	5.00	11	No
461	Guna	DHARNAWDA	24.35079	77.05849	5.1	10.00	11	No
462	Guna	GADLA	24.9264	77.1973	4.0	15.00	11	No
463	Guna	GWARKHEDA	24.867196	77.103864	1.8	8.15	11	No
464	Guna	IMJHARA	24.678494	77.467773	1.4	5.00	11	No
465	Guna	Janjali	24.369422	77.125298	2.0	8.15	11	No
466	Guna	JHAGAR	24.4064	77.0823	5.9	15.00	11	No
467	Guna	KHAMKHEDA	24.428172	77.471093	4.1	10.00	11	No
468	Guna	Mrigwas	24.19495	76.54463	8.5	10.00	11	No
469	Guna	PARANTH	24.5609	77.0537	4.5	15.00	11	No
470	Guna	PIPRODA KALA	24.620888	77.392193	0.5	5.00	11	No
471	Guna	RAGHOGARH	24.429805	77.15965	4.5	15.00	11	No
472	Guna	RAMNAGAR-Gna	24.21948	77.11423	0.5	5.00	11	No
473	Guna	REHPURA	25.0172	77.1664	3.3	5.00	11	No
474	Guna	RUTHIYAI	24.31138	77.11267	5.2	10.00	11	No
475	Guna	SENBOARD	24.509	77.4329	1.3	5.00	11	No
476	Guna	Teligoan	24.06848	77.06333	6.2	13.15	11	No
477	Gwalior O&M	BAROL	26.066622	78.455619	2.5	10.00	11	No
478	Gwalior O&M	Bhadroli	25.884903	78.367135	2.7	8.15	11	No
479	Gwalior O&M	CHINORE	25.926421	78.174862	7.1	10.00	11	No
480	Gwalior O&M	DEORIKALA	25.884903	78.367135	2.7	5.00	11	No
481	Gwalior O&M	Gedol	26.066622	78.455619	1.3	5.00	11	No
482	Gwalior O&M	KARAI	26.306709	78.257862	2.5	10.00	11	No
483	Gwalior O&M	Kuleth	26.269561	78.065344	1.9	5.00	11	No
484	Gwalior O&M	LOHAGARH	25.842559	78.307831	2.6	10.00	11	No

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485	Gwalior O&M	PICHHORE TIRAHA	25.913775	78.338982	2.5	10.00	11	No
486	Gwalior O&M	Sada	26.212628	78.036185	1.2	3.15	11	No
487	Gwalior O&M	SANKHNI	25.768959	78.180864	2.7	5.00	11	No
488	HARDA	Abgaonkhurd	22.39109	77.10768	5.0	5.00	11	No
489	HARDA	Choti Harda	22.365429	77.07625	1.9	10.00	11	No
490	HARDA	Jhadbida	22.258411	77.28459	2.4	5.00	11	No
491	HARDA	Jhadpa	22.195011	77.17256	3.4	10.00	11	No
492	HARDA	Jhadpa(Neemgaon)	22.349022	77.034035	0.7	5.00	11	No
493	HARDA	Mandisel	22.117857	77.03069	5.4	10.00	11	No
494	HARDA	Pokharni	22.42354	77.21488	4.6	5.00	11	No
495	HARDA	Ratatalai	22.445522	76.94182	1.9	5.00	11	No
496	HARDA	Sonpura	22.084938	77.09089	3.2	5.00	11	No
497	HARDA	Tajpura	22.3318	70.1038	5.9	10.00	11	No
498	HARDA	Temagaon	22.1837	77.1741	6.8	10.00	11	No
499	HARDA	Timarni	22.372784	77.223854	5.0	5.00	11	No
500	HARDA	Undrakachha	22.3344	77.29325	3.3	5.00	11	No
501	Morena	Ajnodha	26.536844	78.127869	1.0	5.00	11	No
502	Morena	At EHV.Banmore	26.361502	78.089935	0.6	5.00	11	No
503	Morena	Babari Pura	26.192802	77.260134	3.9	8.15	11	No
504	Morena	Bagchini	26.47042	77.82637	3.1	15.00	11	No
505	Morena	Chinnoni	26.294791	77.343224	3.1	10.00	11	No
506	Morena	Dhamkan	26.340267	77.861439	2.8	5.00	11	No
507	Morena	Dhramgarh	26.167089	77.064091	2.0	5.00	11	No
508	Morena	Dondari	26.725856	78.461826	4.7	15.00	11	No
509	Morena	Enanki	26.701516	78.2317721	0.7	3.15	11	No
510	Morena	Gandhi Nagar	26.405145	77.935396	1.2	5.00	11	No
511	Morena	Hetampur	26.612435	77.938032	1.6	5.00	11	No
512	Morena	Jhundpura	26.337503	77.496436	2.5	5.00	11	No
513	Morena	Joura	26.356647	77.825114	3.8	10.00	11	No
514	Morena	Kailaras	26.30017	77.61372	4.1	5.00	11	No
515	Morena	Kazonghati	26.242643	77.379994	2.5	5.00	11	No
516	Morena	Kherli	26.75582	78.393986	2.6	10.00	11	No
517	Morena	Kumheri	26.432118	77.86257	2.5	10.00	11	No
518	Morena	Mirgpura	26.61089	78.027527	1.9	5.00	11	No
519	Morena	Nayakpura	26.627994	77.953523	0.9	8.15	11	No

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520	Morena	Pahargarh	26.195862	77.638976	2.7	5.00	11	No
521	Morena	Parikshat ka pura	26.74231	78.27105	1.8	10.00	11	No
522	Morena	Porsa	26.672528	78.30163	2.3	5.00	11	No
523	Morena	Rajodha Ambah	26.396732	77.617992	2.7	10.00	11	No
524	Morena	Rajodha SBL	26.396732	77.617992	2.0	10.00	11	No
525	Morena	Rampur	26.16179	77.43836	1.6	5.00	11	No
526	Morena	Sabargarh	26.252339	77.422012	1.6	5.00	11	No
527	Morena	Sankra	26.346597	77.791915	5.4	10.00	11	No
528	Morena	Sihoniya	26.57829	78.26565	0.7	5.00	11	No
529	Morena	Singhpura	26.671404	78.341755	1.3	5.00	11	No
530	Morena	Sumaoli	26.38026	77.92783	6.4	18.15	11	No
531	Morena	Tentra	26.173215	77.300417	4.9	8.15	11	No
532	Narmadapuram	Ari	22.7793078,	77.861062	5.7	10.00	11	No
533	Narmadapuram	Babai	22.7037789	77.9340289	15.0	15.00	11	No
534	Narmadapuram	Babai Maf	22.7140818	77.8710936	8.4	10.00	11	No
535	Narmadapuram	BABRI	22°35'3.93144"	77°23'24.07837"	3.7	10.00	11	No
536	Narmadapuram	Bagratawa	22.6318245	77.9930724	7.9	10.00	11	No
537	Narmadapuram	Bhatwari	22.7892195	77.9513452	7.7	10.00	11	No
538	Narmadapuram	Bhokhedhi	22.7567736	78.2946903	5.5	8.15	11	No
539	Narmadapuram	Bikor	22.8096136	77.8756103	1.9	10.00	11	No
540	Narmadapuram	BOIBRA	22°40'43.9"	77°45'15.1"	8.8	10.00	11	No
541	Narmadapuram	Budhwada	22.8052195	77.9767051	5.0	5.00	11	No
542	Narmadapuram	BUDIMATA	22.614395	77.775524	2.5	5.00	11	No
543	Narmadapuram	Chandone	22.8619	78.48229	3.5	10.00	11	No
544	Narmadapuram	CHATARKHEDA	22°30'36.8"	77°27'50.5"	9.0	10.00	11	No
545	Narmadapuram	DHARAMKUNDI	22°31'7.26956"	77°33'0.42552"	9.5	10.00	11	No
546	Narmadapuram	DHOKHEDA	22.645512	77.790136	2.0	10.00	11	No
547	Narmadapuram	DHURPAN	22.598512	77.723281	2.3	5.00	11	No
548	Narmadapuram	GURRA	22.631645	77.871389	3.8	5.00	11	No
549	Narmadapuram	Isharpur	22.82563	78.51031	3.0	8.15	11	No
550	Narmadapuram	JASALPUR	22°42'55.2024"	77°48'50.52204"	3.3	10.00	11	No
551	Narmadapuram	Kamthi	22.605641	78.149048	3.4	5.00	11	No
552	Narmadapuram	KESLA	22.47368	77.832316	1.2	6.30	11	No
553	Narmadapuram	KHAPARIYA	22°34'20.56152"	77°28'41.74896"	9.1	10.00	11	No
554	Narmadapuram	Khaperkheda	22.81815	78.35098	7.2	10.00	11	No

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555	Narmadapuram	Khemdhana	22.74132	78.50045	6.1	10.00	11	No
556	Narmadapuram	Khiriya Mandir	22.824806	78.234729	3.7	10.00	11	No
557	Narmadapuram	Machha	22.859478	78.290425	3.7	13.15	11	No
558	Narmadapuram	Old Bankhedi	22.77531	78.52776	5.6	10.00	11	No
559	Narmadapuram	PAGDHAL	22°21'58.36"	77°13'28.74846"	3.0	5.00	11	No
560	Narmadapuram	PALANPUR	22°40'46.54326"	77°39'6.44752"	3.3	8.15	11	No
561	Narmadapuram	Paliya Pipariya	22.92901	78.52735	6.1	10.00	11	No
562	Narmadapuram	PATHROTA	22.572678	77.795373	6.3	10.00	11	No
563	Narmadapuram	Pipariya (S)	22.72225	78.35858	9.7	15.00	11	No
564	Narmadapuram	Ram Nagar	22.764576	78.127974	1.2	8.15	11	No
565	Narmadapuram	Rani Guhan	22.808645	78.171885	7.9	10.00	11	No
566	Narmadapuram	Rani pipariya	22.76981	78.3089	8.5	15.00	11	No
567	Narmadapuram	Sangakheda	22.50975768	77.47165797	4.6	10.00	11	No
568	Narmadapuram	Semriharchand	22.687734	78.089347	15.0	15.00	11	No
569	Narmadapuram	SEONIMALWA	22°27'29.18916"	77°28'36.70313"	9.9	10.00	11	No
570	Narmadapuram	Shobhapur	22.7734275,	78.2560307	8.2	15.00	11	No
571	Narmadapuram	Sohagpur	22.695102	78.190729	1.6	5.00	11	No
572	Narmadapuram	Talkesri	22.7386253,	77.9927903	1.2	10.00	11	No
573	Narmadapuram	TIGARIYA	22°39'42.7"	77°33'31.5"	4.8	8.15	11	No
574	Narmadapuram	TUGARIYA	22°42'58.49604"	77°43'6.59748"	5.0	5.00	11	No
575	Narmadapuram	Umardha	22.93504	78.45138	1.6	10.00	11	No
576	Raisen	RAMAKHEDI	23°8'30.167"N	77°48'0.144"E,	8.1	10.00	11	No
577	Raisen	ARJUN NAGAR	23°0'5.124"N	77°34'55.752"E	6.4	10.00	11	No
578	Raisen	Barla	23.393113	77.800335	4.5	5.00	11	No
579	Raisen	Berkhedi	23.463299	77.613431	2.9	5.00	11	No
580	Raisen	Dehgaon	23.318715	78.078075	1.7	5.00	11	No
581	Raisen	GOHARGANJ	23°1'16.76392"N	77°48'24.23399"E	8.6	10.00	11	No
582	Raisen	Mendki	23.449866	77.697758	5.0	5.00	11	No
583	Raisen	Mudiyakheda	23.435749	77.622416	1.0	3.15	11	No
584	Raisen	Pemad	23.253217	77.768901	4.3	5.00	11	No
585	Raisen	Pipalkhiriya	23.258973	77.64759	0.4	3.15	11	No
586	Raisen	Raisen R	23.328473	77.804492	5.0	5.00	11	No
587	Raisen	SULTANPUR	23°8'1.87563"N	77°56'22.25651"E	5.7	10.00	11	No
588	Raisen	UMRAOGANJ	23°11'41.784"N	77°37'20.290"E,	8.7	10.00	11	No
589	rajgarh	BERASIYA	23.691361	76.966444	8.2	10.00	11	No

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590	rajgarh	BHOORA	23.880917	76.927861	4.2	10.00	11	No
591	rajgarh	BIAORAKALA	23.951	76.529944	9.6	15.00	11	No
592	rajgarh	BODA	23.664694	76.815806	9.9	15.00	11	No
593	rajgarh	BORKHEDA	23.548083	76.917944	4.9	5.00	11	No
594	rajgarh	CHATHA	23.969972	76.905833	5.0	5.00	11	No
595	rajgarh	CHHAPIHEDA	23.893472	76.443306	7.8	15.00	11	No
596	rajgarh	DEOGARH	23.678167	77.066222	3.5	5.00	11	No
597	rajgarh	DHAMNDA	23.706361	76.583389	3.5	10.00	11	No
598	rajgarh	GADIA	23.727722	77.088056	10.7	15.00	11	No
599	rajgarh	J.G.Chouhan	23.607806	77.031389	4.9	5.00	11	No
600	rajgarh	KACHARI	24.01475	76.945806	3.0	8.15	11	No
601	rajgarh	KALYAKHEDI	23.817167	76.5645	5.0	5.00	11	No
602	rajgarh	KANED	24.058083	77.145583	4.2	5.00	11	No
603	rajgarh	Karanwas	23.80975	76.817222	4.4	10.00	11	No
604	rajgarh	KHAJLA	24.170056	76.622556	1.2	10.00	11	No
605	rajgarh	KHILCHIPUR	24.028306	76.571056	5.5	10.00	11	No
606	rajgarh	KHURI	23.837472	76.842194	5.0	10.00	11	No
607	rajgarh	KODKYA	24.095583	76.339972	4.3	10.00	11	No
608	rajgarh	KOTRA	23.625944	77.106778	0.6	3.15	11	No
609	rajgarh	KURAWAR	23.523778	77.031167	7.8	15.00	11	No
610	rajgarh	LAKHANWAS	23.774861	77.149917	3.0	10.00	11	No
611	rajgarh	LASUDIYA BHAMA	23.52625	76.974583	3.6	5.00	11	No
612	rajgarh	MAU	23.624056	76.572167	5.4	10.00	11	No
613	rajgarh	P. MATA	23.677917	76.477	14.5	15.00	11	No
614	rajgarh	PADLIYAKHEDI	23.864528	76.597028	2.5	5.00	11	No
615	rajgarh	PAGARI BANGLA	23.799528	76.983194	9.4	15.00	11	No
616	rajgarh	PANIYA(LASUDLYA JAGIR)	23.733583	76.778444	2.5	5.00	11	No
617	rajgarh	PEEPPALIYA KULMI	24.186139	76.343222	7.9	15.00	11	No
618	rajgarh	PIPLYA RASODA	23.682667	76.774583	2.8	8.15	11	No
619	rajgarh	POLKHEDA	24.103361	76.250222	3.1	6.30	11	No
620	rajgarh	RADHANAGER	23.578583	76.454639	2.6	5.00	11	No
621	rajgarh	RANI ROOPMATI	23.563333	76.486222	3.1	5.00	11	No
622	rajgarh	SANDAWATA	23.831611	76.521139	11.2	15.00	11	No
623	rajgarh	SARANGPUR	23.568194	76.467917	1.7	5.00	11	No
624	rajgarh	SAWASI	23.747556	77.155639	1.5	5.00	11	No

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625	rajgarh	SEELKHEDA	23.811167	77.201778	2.1	5.00	11	No
626	rajgarh	SUTHALIYA	23.993806	77.126722	10.4	15.00	11	No
627	rajgarh	UDHANKHEDI	23.654028	76.613806	8.9	10.00	11	No
628	rajgarh	ZEERAPUR (WRD)	24.013806	76.379944	0.5	5.00	11	No
629	SEHORE	ACHHAROHI	23.55226	77.15394	3.6	10.00	11	No
630	SEHORE	AHMADPUR	23.51215	77.20345	5.4	15.00	11	No
631	SEHORE	AMLAMANJJU	22.96268	76.60075	6.0	10.00	11	No
632	SEHORE	ARYA	22.92515	76.93772	3.7	5.00	11	No
633	SEHORE	BADIMUNGAWLI	23.29644	77.11248	4.8	10.00	11	No
634	SEHORE	BAGER	22.9761003	76.8035252	11.2	15.00	11	No
635	SEHORE	BARKHEDA HASAN	23.54861	77.26759	6.3	10.00	11	No
636	SEHORE	BIJORI	23.22404	77.08551	8.4	10.00	11	No
637	SEHORE	BILQUISGANJ	23.11618	77.24055	9.6	13.15	11	No
638	SEHORE	BRIJISHNAGAR	22.95558	77.13697	5.0	10.00	11	No
639	SEHORE	CHANDBAD	23.3226	77.04566	7.6	10.00	11	No
640	SEHORE	CHANDBAD JAGER	23.60845	77.15556	2.8	5.00	11	No
641	SEHORE	CHINOTA JOD	23.0231	76.65329	8.5	15.00	11	No
642	SEHORE	DASHARABAG	23.19311	77.0694	0.8	5.00	11	No
643	SEHORE	DIWADIYA	22.96064	76.97939	5.0	5.00	11	No
644	SEHORE	DODI	23.00937	76.59685	5.5	10.00	11	No
645	SEHORE	GUWADIA	22.88943	76.77657	2.6	5.00	11	No
646	SEHORE	HAKIMABAD	23.07673	76.70318	6.4	10.00	11	No
647	SEHORE	ICHHAWAR	23.03301	77.0191	8.9	15.00	11	No
648	SEHORE	JATAKHEDA	23.15353	76.97619	3.4	5.00	11	No
649	SEHORE	JAWAR JOD	22.96935	76.52482	6.5	10.00	11	No
650	SEHORE	JAWER	22.99429	76.51131	5.2	10.00	11	No
651	SEHORE	KANKARKHEDA	23.10301	77.03597	2.7	8.15	11	No
652	SEHORE	KHACHORD	22.87557	76.71785	11.4	15.00	11	No
653	SEHORE	KHAIKHEDA	23.46218	77.17741	6.6	10.00	11	No
654	SEHORE	KHAJURI KALA	23.35115	77.06552	6.7	10.00	11	No
655	SEHORE	KILERAMA	23.04128	76.75283	10.0	15.00	11	No
656	SEHORE	KOTHARI	23.07968	76.84059	9.2	15.00	11	No
657	SEHORE	LALAKHEDI	23.14757	76.94218	4.6	5.00	11	No
658	SEHORE	LASUDIA V-SINGH	22.93705	76.71905	5.5	10.00	11	No
659	SEHORE	LASUDIAKHAS	23.21925	76.94636	6.6	10.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
660	SEHORE	NEEBUKHEDA	23.16402	77.0074	1.0	3.15	11	No
661	SEHORE	PANVIHAR	23.43032	77.05677	1.5	5.00	11	No
662	SEHORE	SEWDA	23.11511	76.65583	5.0	5.00	11	No
663	SEHORE	SHAMPUR	23.41285	77.08205	8.3	15.00	11	No
664	SEHORE	SIDDIQ GANJ	22.85642	76.61242	7.0	10.00	11	No
665	SEHORE	SONKATCH	23.35995	77.21692	3.3	10.00	11	No
666	SEHORE	TAKIA	23.43203	77.24299	2.3	5.00	11	No
667	SEHORE	THOONA	23.22399	77.15446	3.9	8.15	11	No
668	SEHORE	ULJHAWAN	23.10626	77.1769	7.1	10.00	11	No
669	Sheopur	Agra	25.929697	77.254976	2.9	8.15	11	No
670	Sheopur	Asida	25.702013	76.591519	2.7	10.00	11	No
671	Sheopur	Awda	25.518593	76.771741	2.6	8.15	11	No
672	Sheopur	Bagadua	25.784117	76.643707	3.0	15.00	11	No
673	Sheopur	Baroda	25.491544	76.653364	6.8	10.00	11	No
674	Sheopur	BEERPUR	26.143086	77.151467	3.0	10.00	11	No
675	Sheopur	Bhogi Ka Tiraha	25.809028	76.615285	8.6	13.15	11	No
676	Sheopur	Charond	25.761313	76.619429	1.2	8.15	11	No
677	Sheopur	CHIMLKA	25.803267	76.662116	1.9	10.00	11	No
678	Sheopur	Dhondhar	25.927772	76.84153	4.4	10.00	11	No
679	Sheopur	Dhoti	25.667679	76.593716	5.7	15.00	11	No
680	Sheopur	Gadi	26.128854	77.303963	2.8	5.00	11	No
681	Sheopur	GASWANI	25.900863	77.506491	3.3	8.15	11	No
682	Sheopur	Girdharpur	25.834198	76.775758	4.4	10.00	11	No
683	Sheopur	Gothara	25.614004	77.048697	2.5	8.15	11	No
684	Sheopur	Gurunavda	25.772157	76.68324	1.0	8.15	11	No
685	Sheopur	Jainee	25.882238	76.699088	6.7	10.00	11	No
686	Sheopur	Janpura	25.595093	76.71978	3.7	10.00	11	No
687	Sheopur	Jatkhedra	25.702747	76.664897	5.9	10.00	11	No
688	Sheopur	Karahal	25.501909	77.061213	0.9	5.00	11	No
689	Sheopur	LALITPURA	25.491641	76.615238	2.3	5.00	11	No
690	Sheopur	Makrawada	25.360028	76.864361	3.9	11.30	11	No
691	Sheopur	MALIPURA	25.524936	76.7502	1.9	5.00	11	No
692	Sheopur	MAYAPUR	25.615974	76.741343	2.6	10.00	11	No
693	Sheopur	Nanawad	25.631469	76.551132	4.7	15.00	11	No
694	Sheopur	Paliroad	25.669254	76.697263	0.8	5.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
695	Sheopur	PANDULA	25.532042	76.646369	4.5	10.00	11	No
696	Sheopur	Premisar	25.672284	76.55156	4.2	15.00	11	No
697	Sheopur	Radeip	25.526801	76.718055	1.4	8.15	11	No
698	Sheopur	Raghunathapur	26.059538	76.980113	5.0	5.00	11	No
699	Sheopur	SAHASRAM	25.893415	77.697992	4.2	8.15	11	No
700	Sheopur	Salmaniya	25.515476	76.779637	1.6	15.00	11	No
701	Sheopur	Soinkala	25.753841	76.647583	7.2	15.00	11	No
702	Sheopur	Sonthwa	25.774008	76.576012	3.2	10.00	11	No
703	Sheopur	Talabda	25.825311	76.636759	0.8	8.15	11	No
704	Sheopur	Talawada	25.77208	76.683472	3.1	13.15	11	No
705	Sheopur	TARRA KALA	25.998345	76.90853	3.7	5.00	11	No
706	Sheopur	Tillipur	25.736834	76.612379	4.4	8.15	11	No
707	Sheopur	Tulsef	25.590235	76.61557	6.6	10.00	11	No
708	Sheopur	Utanwad	25.567013	76.545003	3.4	8.15	11	No
709	Sheopur	Vardha	25.518593	76.771741	3.3	13.15	11	No
710	Sheopur	VIJAYPUR	26.251466	77.41608	5.6	10.00	11	No
711	Shivpuri	BAIRAD	77.45728	25.70566	6.8	10.00	11	No
712	Shivpuri	CHANDORIYA	77.6614	24.974911	4.4	8.15	11	No
713	Shivpuri	FULIPURA	77.5216	25.693572	7.0	10.00	11	No
714	Shivpuri	GAJIGARH	77.4763	25.80477	2.5	5.00	11	No
715	Shivpuri	INDAR	77.737	25.010214	3.7	10.00	11	No
716	Shivpuri	JHIRI	77.492288	25.563059	4.2	5.00	11	No
717	Shivpuri	KHAREY	77.7179	25.100769	3.5	10.00	11	No
718	Shivpuri	RAMGARH	77.753735	24.964556	4.5	10.00	11	No
719	Vidisha	A-PUR ROAD	23.520609	77.8105985	5.4	10.00	11	No
720	Vidisha	A-PUR VILLAGE	23.438722	77.979357	7.5	10.00	11	No
721	Vidisha	BASODA BANWA JAGIR	23.842456	77.997993	4.0	10.00	11	No
722	Vidisha	BEHLOT BY PASS	23.8546236	77.9502109	0.6	5.00	11	No
723	Vidisha	BHORIYA	24.1988237	77.705179	2.8	5.00	11	No
724	Vidisha	DEEPNAKHEDA	24.2378905	77.8237628	3.2	10.00	11	No
725	Vidisha	HAIDERGARH	23.6149274	78.1977777	5.4	10.00	11	No
726	Vidisha	IDGAH	23.5116234	77.7979526	2.5	5.00	11	No
727	Vidisha	JAIL	23.853264	77.907348	6.1	6.30	11	No
728	Vidisha	KALADEV	24.246823	77.371134	7.3	10.00	11	No
729	Vidisha	KARARIYA	23.6074551	77.749234	3.6	5.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
730	Vidisha	KURWAI	24.1243391	78.0435869	4.2	10.00	11	No
731	Vidisha	LATERI	24.060181	77.4027224	4.7	5.00	11	No
732	Vidisha	MADANKHEDI	24.057739	77.464998	5.5	10.00	11	No
733	Vidisha	MAHALUA CHOURAHA	24.100672	77.966712	4.9	10.00	11	No
734	Vidisha	MURWAS	24.0706135	77.5226155	8.0	10.00	11	No
735	Vidisha	NAYAGOLA	23.82744	77.82512	4.5	8.15	11	No
736	Vidisha	RAMLEELA	23.5365063	77.8060013	2.0	5.00	11	No
737	Vidisha	RATANBARRI	24.1947618	77.552228	6.0	10.00	11	No
738	Vidisha	SEHARWASA	24.007103	78.108909	4.3	8.15	11	No
739	Vidisha	SEHOD	24.00703	78.108909	4.9	5.00	11	No
740	Vidisha	SHAMSHABAD	23.8150159	77.5072169	2.9	10.00	11	No
741	Vidisha	SIRONJ	24.102121	77.698021	4.9	10.00	11	No
742	Vidisha	THARR	23.5113043	77.9588067	2.6	5.00	11	No
743	Vidisha	TILAKHEDI	23.4965173	77.8256497	1.6	3.15	11	No
744	Vidisha	TYONDA	23.8048588	78.1965765	9.4	10.00	11	No
745	Vidisha	UHAR	23.9948229	77.8103209	3.7	11.30	11	No

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
746	Anuppur	Shanti Nagar	23.11331531	81.71354422	2.5	5.00	11	Yes
747	CHHATARPUR	DEVPUR	24.99553722	79.51909027	2.2	5.00	11	Yes
748	CHHATARPUR	ISHANAGAR	24.85558	79.38833416	3.2	5.00	11	Yes
749	CHHATARPUR	NOWGONG	25.06824534	79.43312662	3.2	5.00	11	Yes
750	CHHATARPUR	PANOTHA	24.88424114	79.48212626	1.0	5.00	11	Yes
751	DAMOH	BANDAKPUR	23.81956026	79.57333471	3.2	5.00	11	Yes
752	DAMOH	BANGAON	24.01496594	79.52114393	4.4	5.00	11	Yes
753	DAMOH	BANSA	23.78966372	79.34245004	4.2	5.00	11	Yes
754	DAMOH	BHILONI	24.22065042	79.60519708	1.0	3.15	11	Yes
755	DAMOH	BILANI	23.95106621	79.2626549	2.7	5.00	11	Yes
756	DAMOH	FATEHPUR	24.20116115	79.50951184	2.7	5.00	11	Yes
757	DAMOH	FUTERA	24.0835813	79.39490291	3.3	5.00	11	Yes
758	DAMOH	GAISABAD	24.23871949	79.82173933	2.5	3.15	11	Yes
759	DAMOH	HINDORIYA	23.89584942	79.56518314	2.8	5.00	11	Yes
760	DAMOH	IMALIAGHAT	23.58404921	79.39950863	2.7	3.15	11	Yes
761	DAMOH	JABERA	23.55048625	79.68710876	1.9	3.15	11	Yes
762	DAMOH	JHALON	23.47765824	79.38540334	1.4	5.00	11	Yes
763	DAMOH	Kalhera	23.6050099	79.63931205	0.7	5.00	11	Yes
764	DAMOH	KEOLARI	23.95046867	79.12419067	4.5	5.00	11	Yes
765	DAMOH	KUDAI	23.99889673	79.6097946	0.4	3.15	11	Yes
766	DAMOH	KUMHARI	23.89767726	79.82075904	0.9	5.00	11	Yes
767	DAMOH	LAKHRONI	23.92241476	79.20847736	4.3	5.00	11	Yes
768	DAMOH	MADHIADO	24.28237033	79.65620767	1.8	3.15	11	Yes
769	DAMOH	MAGRON	24.14649088	79.48223507	4.0	5.00	11	Yes
770	DAMOH	MAILWARA	23.97396525	79.23392488	1.5	5.00	11	Yes
771	DAMOH	MURACHH	24.24160316	79.72955919	1.1	5.00	11	Yes
772	DAMOH	Patera	23.99270501	79.6962643	3.5	5.00	11	Yes
773	DAMOH	PATHARIA	23.87737493	79.19073113	0.6	5.00	11	Yes

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774	DAMOH	PATNA KUA	23.57140814	79.84707822	4.1	5.00	11	Yes
775	DAMOH	SINGRAMPUR	23.5482633	79.78649545	1.8	5.00	11	Yes
776	DAMOH	SUHAV	23.97677389	79.28805278	2.3	5.00	11	Yes
777	DAMOH	TARADEHI	23.28900303	79.34224595	2.0	5.00	11	Yes
778	DAMOH	TEJGARH	23.55956886	79.544767	3.3	5.00	11	Yes
779	DAMOH	TENDUKHEDA	23.39175481	79.53573404	3.3	5.00	11	Yes
780	DAMOH	vardhari	23.83461122	79.26354681	0.8	5.00	11	Yes
781	Mandla	KOURGAON	22.57391516	80.37412298	2.3	5.00	11	Yes
782	Narsinghpur	Bachai	22.8737425	79.30725633	4.6	5.00	11	Yes
783	Narsinghpur	Bagaspur	22.98496832	79.50385978	5.0	5.00	11	Yes
784	Narsinghpur	Bandhi	23.10527917	79.19616795	3.5	5.00	11	Yes
785	Narsinghpur	Beetli	22.99435463	78.98508197	5.0	5.00	11	Yes
786	Narsinghpur	Chichli	22.84741399	78.81704712	5.0	5.00	11	Yes
787	Narsinghpur	Dangidhana	22.90724291	79.27134128	4.0	5.00	11	Yes
788	Narsinghpur	Devnagar	22.83906408	79.38251867	1.8	5.00	11	Yes
789	Narsinghpur	Gundrai (New)	22.97737154	79.40389172	3.6	5.00	11	Yes
790	Narsinghpur	Gutori	23.14968942	78.95271849	3.5	5.00	11	Yes
791	Narsinghpur	Jhoteswar	22.95023476	79.55408591	1.7	5.00	11	Yes
792	Narsinghpur	Kamti	22.91127463	78.73820985	5.0	5.00	11	Yes
793	Narsinghpur	Karapgaon	22.87460293	78.98417562	5.0	5.00	11	Yes
794	Narsinghpur	Kareli	22.92834142	79.05996764	4.0	5.00	11	Yes
795	Narsinghpur	Kashikayri	23.08113007	78.98553064	0.7	5.00	11	Yes
796	Narsinghpur	Lathgaon	23.00104442	79.56511478	5.0	5.00	11	Yes
797	Narsinghpur	Lilwani	23.00039143	78.82770376	2.3	5.00	11	Yes
798	Narsinghpur	Madgula			4.6	5.00	11	Yes
799	Narsinghpur	Madyshur	22.94486907	79.01602308	5.0	5.00	11	Yes
800	Narsinghpur	Murdai	23.07958653	79.48110078	5.0	5.00	11	Yes
801	Narsinghpur	Narwara	23.04490938	79.57375598	5.0	5.00	11	Yes
802	Narsinghpur	Pipersara	22.96926945	79.42985944	2.8	5.00	11	Yes
803	Narsinghpur	Rani pindrai	23.00209389	79.20457556	0.7	5.00	11	Yes

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
804	Narsinghpur	Shrinagar	22.95475253	79.52318987	5.0	5.00	11	Yes
805	Narsinghpur	Tindni	23.05459125	79.27029508	2.0	5.00	11	Yes
806	Narsinghpur	Umariya	23.0146179	79.13024681	4.8	5.00	11	Yes
807	Narsinghpur	Usari	22.76183794	79.30225558	1.5	5.00	11	Yes
808	SEONI	ADEGAON	22.61620181	79.49330528	5.0	5.00	11	Yes
809	SEONI	ALONIKHAPA	22.36692478	79.97179667	2.8	5.00	11	Yes
810	SEONI	BADALPAR	21.92341242	79.44508569	5.0	5.00	11	Yes
811	SEONI	BAKHARI	22.32541963	79.43785619	5.0	5.00	11	Yes
812	SEONI	BANDOL	22.24087204	79.53688837	3.5	5.00	11	Yes
813	SEONI	BARGHAT	22.03310445	79.72306352	5.0	5.00	11	Yes
814	SEONI	BHILAI	22.6440704	80.15471663	0.8	1.60	11	Yes
815	SEONI	BHOMA	22.15857561	79.68390468	5.0	5.00	11	Yes
816	SEONI	DHARNA	22.02664902	79.82783779	0.6	1.60	11	Yes
817	SEONI	DIWARI	22.80859684	79.89846874	1.1	3.15	11	Yes
818	SEONI	GANESHGANJ	22.50430458	79.58378064	5.0	5.00	11	Yes
819	SEONI	GOPALGANJ	21.98300063	79.53066772	1.2	5.00	11	Yes
820	SEONI	KANHIWADA	22.2044122	79.74274837	1.5	3.15	11	Yes
821	SEONI	KEOLARI	22.36407362	79.90352856	5.0	5.00	11	Yes
822	SEONI	KHAIRA PALARI	22.27391263	79.83355872	5.0	5.00	11	Yes
823	SEONI	LONIYA	22.0976975	79.53005	0.8	5.00	11	Yes
824	SEONI	MUNGWANI	22.45500261	79.82293356	3.1	3.15	11	Yes
825	SEONI	PANDYA CHAPARA	22.15302328	80.01118038	1.6	1.60	11	Yes
826	SEONI	PIPARDAHI	22.05654431	79.39499942	2.4	5.00	11	Yes
827	SEONI	SUNWARA	22.44290278	79.73909114	2.8	5.00	11	Yes
828	Shahdol	Budwa	24.19512838	81.39362143	4.2	5.00	11	Yes
829	SIDHI	BARAMBABA	24.282535	81.90750042	5.0	5.00	11	Yes
830	SIDHI	HANUMANGARH	24.37700117	81.63877323	3.1	3.15	11	Yes
831	Umariya	Akhdar	23.54284168	80.58762902	1.4	5.00	11	Yes
832	Umariya	Amarpur	23.95481891	80.89222086	1.6	5.00	11	Yes
833	Umariya	GHULGHULI	23.34995417	80.84823417	3.1	3.15	11	Yes

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
834	Anuppur	Chachai	23.17235182	81.65604336	2.9	5.00	11	No
835	BALAGHAT	AWA	21.5051655	80.43436053	2.7	8.15	11	No
836	BALAGHAT	BAIHER	22.10266068	80.55195089	2.7	3.15	11	No
837	BALAGHAT	BHANEGAON	21.54975529	80.41620746	3.4	10.00	11	No
838	BALAGHAT	BHARVELLY	21.84440713	80.23262106	1.7	10.00	11	No
839	BALAGHAT	BONKATTA	21.61993301	79.7639513	2.5	6.30	11	No
840	BALAGHAT	BUDHI	21.83141033	80.17580967	0.5	5.00	11	No
841	BALAGHAT	CHANGOTOLA	22.23443449	80.1276371	0.9	3.15	11	No
842	BALAGHAT	DAMOH	21.91316568	80.78975515	2.5	3.15	11	No
843	BALAGHAT	DHAPERA	21.89552557	80.14639577	3.3	5.00	11	No
844	BALAGHAT	DONGARMALI	21.63486435	80.11639444	5.4	10.00	11	No
845	BALAGHAT	GARRA	21.80921629	80.13237208	0.7	5.00	11	No
846	BALAGHAT	HATTA	21.72584613	80.28433846	1.6	8.15	11	No
847	BALAGHAT	HOUSING BOARD WRS	21.75578398	80.05372112	0.4	3.15	11	No
848	BALAGHAT	KARANJA	21.41780173	80.4412176	3.5	10.00	11	No
849	BALAGHAT	KHAIRLANJI	21.61189682	79.98236005	2.8	5.00	11	No
850	BALAGHAT	KIRNAPUR	21.62898894	80.32597834	5.4	10.00	11	No
851	BALAGHAT	LAKHANWADA	21.77137713	79.86695184	0.7	3.15	11	No
852	BALAGHAT	LALBURRA	21.95229614	80.04437633	4.5	10.00	11	No
853	BALAGHAT	MAHKEPAR	21.61171453	79.64610422	1.2	3.15	11	No
854	BALAGHAT	MANDAI	22.03070744	80.80875224	0.5	3.15	11	No
855	BALAGHAT	RAMPAYALI	21.6701823	80.01803586	2.2	6.30	11	No
856	BALAGHAT	SALETEKA	21.70355355	80.2259163	2.5	8.15	11	No
857	BALAGHAT	SAREKHA	22.22237425	80.51803551	0.2	1.60	11	No
858	BALAGHAT	UKWA	21.97205865	80.47002486	0.6	3.15	11	No
859	CHHATARPUR	MATGUWAN	24.79487138	79.45987562	3.1	3.15	11	No
860	DAMOH	BATIAGARH	24.10553778	79.36509779	5.0	5.00	11	No
861	DAMOH	HATTA	24.11509342	79.59370723	3.1	5.00	11	No
862	DAMOH	KHIRIA MANDLA	23.8728163	79.40323648	3.2	5.00	11	No
863	DAMOH	KINDRAHO	23.912269	79.23789133	3.6	5.00	11	No

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
864	DAMOH	NOHTA	23.67447903	79.57559225	1.7	5.00	11	No
865	DAMOH	RIYANA	24.04689651	79.33351199	2.0	5.00	11	No
866	DINDORI	GADASARAI	22.82646667	81.32565359	1.1	3.15	11	No
867	Jabalpur (O&M)	Baghraj	23.32084642	80.25436999	4.7	10.00	11	No
868	Jabalpur (O&M)	Barela	23.08730413	80.0748421	4.8	10.00	11	No
869	Jabalpur (O&M)	Bargi	22.99984456	79.88247983	1.5	10.00	11	No
870	Jabalpur (O&M)	Barha	23.04336566	79.98314758	2.8	5.00	11	No
871	Jabalpur (O&M)	Baroda	23.31049889	79.92177889	2.9	5.00	11	No
872	Jabalpur (O&M)	BELKHADU	23.28826873	79.86935367	2.1	5.00	11	No
873	Jabalpur (O&M)	Belkheda	23.17324648	79.4813479	13.3	15.00	11	No
874	Jabalpur (O&M)	Bhedaghat	23.1461103	79.80548572	3.5	5.00	11	No
875	Jabalpur (O&M)	Bhidki	23.08256171	79.77184856	5.0	5.00	11	No
876	Jabalpur (O&M)	BHUWARA	23.20307185	79.66456172	1.5	5.00	11	No
877	Jabalpur (O&M)	Bicchua	23.35121979	79.91865058	1.7	5.00	11	No
878	Jabalpur (O&M)	Binaiki	23.20731496	79.86022675	2.1	5.00	11	No
879	Jabalpur (O&M)	Bisendi	23.28411184	80.0085325	1.0	1.60	11	No
880	Jabalpur (O&M)	Boriya	23.32953412	79.84819299	10.5	15.00	11	No
881	Jabalpur (O&M)	Chargawan	23.0472443	79.64986511	10.0	10.00	11	No
882	Jabalpur (O&M)	Funwani	23.43668268	80.16000433	6.5	10.00	11	No
883	Jabalpur (O&M)	Gosalpur	23.39110867	80.05731653	10.0	10.00	11	No
884	Jabalpur (O&M)	Indrana	23.40575307	79.90471778	5.7	10.00	11	No
885	Jabalpur (O&M)	Kala pipariya (karya)	23.2230444	79.56305527	1.9	8.15	11	No
886	Jabalpur (O&M)	Katangi	23.4348538	79.79747707	6.9	10.00	11	No
887	Jabalpur (O&M)	Katra-Belkheda	23.27043744	79.61655591	8.0	10.00	11	No
888	Jabalpur (O&M)	KHINNI	23.41168675	79.98569547	5.9	10.00	11	No
889	Jabalpur (O&M)	KHIRAHNI	23.42278604	80.27980408	0.6	5.00	11	No
890	Jabalpur (O&M)	Khitola	23.47385902	80.12422019	4.6	5.00	11	No
891	Jabalpur (O&M)	Kushner	23.33520834	80.01330398	1.1	8.15	11	No
892	Jabalpur (O&M)	Kusli	23.15593909	79.53199336	5.0	5.00	11	No
893	Jabalpur (O&M)	Majeetha	23.18841839	79.78436328	2.6	5.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
894	Jabalpur (O&M)	Majhagawan	23.40582485	80.19872425	13.6	15.00	11	No
895	Jabalpur (O&M)	Majholi	23.49486776	79.93301102	9.5	10.00	11	No
896	Jabalpur (O&M)	Meregaon	23.13882335	79.3944912	1.6	10.00	11	No
897	Jabalpur (O&M)	Mohla	23.55435846	80.16566435	6.0	8.15	11	No
898	Jabalpur (O&M)	Noni	23.18682648	79.70309512	3.8	10.00	11	No
899	Jabalpur (O&M)	Nunsar	23.23817891	79.79417199	5.3	8.15	11	No
900	Jabalpur (O&M)	P.Pipariya	23.21791002	79.74261299	3.7	10.00	11	No
901	Jabalpur (O&M)	Panagar	23.28309478	79.98878806	3.5	10.00	11	No
902	Jabalpur (O&M)	Pipariya	23.19684489	80.07355145	2.6	10.00	11	No
903	Jabalpur (O&M)	Ponda	23.49584511	80.042256	7.6	10.00	11	No
904	Jabalpur (O&M)	Ramkhiriya	23.40604426	80.12426903	10.0	10.00	11	No
905	Jabalpur (O&M)	Ronsara	23.25241249	79.76870984	7.1	10.00	11	No
906	Jabalpur (O&M)	Sarond	23.31133594	79.78657247	4.9	10.00	11	No
907	Jabalpur (O&M)	Shahpura	23.13786535	79.66939558	3.5	10.00	11	No
908	Jabalpur (O&M)	Singaudh	23.33226437	79.96124272	4.1	10.00	11	No
909	Jabalpur (O&M)	Sukari	22.92331457	79.83783266	0.8	3.15	11	No
910	Jabalpur (O&M)	Surai	23.16516099	79.62803356	10.0	10.00	11	No
911	Jabalpur (O&M)	Urdua Khurd	23.25027923	79.95087274	1.4	5.00	11	No
912	Jabalpur city	MANEGAON	23.2163481	80.01233754	1.2	5.00	11	No
913	Jabalpur city	RICHHAI	23.23099307	79.97495642	0.6	5.00	11	No
914	Katni	Amadi	23.81305276	80.56593524	5.0	8.15	11	No
915	Katni	Badwara	23.75150423	80.57666319	8.7	10.00	11	No
916	Katni	Bahoriband	23.67199238	80.07028302	10.0	10.00	11	No
917	Katni	Barhi	23.90146115	80.79927477	10.0	10.00	11	No
918	Katni	Bhanpura	23.7000351	80.41240262	3.1	5.00	11	No
919	Katni	Bhudsia	23.65323495	80.6177972	4.9	8.15	11	No
920	Katni	Bilahri	23.79459733	80.26750433	2.0	10.00	11	No
921	Katni	Chaka	23.89527079	80.40318254	2.0	10.00	11	No
922	Katni	Dasharman	23.39655299	80.31735633	2.7	10.00	11	No
923	Katni	Deorakala	23.95106039	80.54412879	2.3	5.00	11	No

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
924	Katni	Dharwara	23.60038208	80.32258417	6.3	6.30	11	No
925	Katni	Dheemarkheda	23.47567067	80.37807676	1.4	10.00	11	No
926	Katni	Gairtalai	23.9779	80.85646	1.2	3.15	11	No
927	Katni	Kanhwara	23.91492012	80.43724864	3.8	5.00	11	No
928	Katni	Kaudiya	23.66849236	80.18642808	2.5	10.00	11	No
929	Katni	Khamtara	23.55111716	80.52860598	1.8	6.30	11	No
930	Katni	Khirehni	23.7023321	80.22714674	1.6	5.00	11	No
931	Katni	Khitoli	23.71256167	80.82217306	5.0	5.00	11	No
932	Katni	kuwa	23.81108648	80.81590468	1.9	5.00	11	No
933	Katni	kymore IPDS	24.04373324	80.59444997	5.0	5.00	11	No
934	Katni	Majhgwa	23.82054516	80.49510023	1.3	3.15	11	No
935	Katni	Nadawan	23.82135887	80.72244769	5.7	10.00	11	No
936	Katni	Niwar	23.72416282	80.35805377	1.6	5.00	11	No
937	Katni	Pipariyakala	23.87295278	80.69818833	1.8	5.00	11	No
938	Katni	Rithi	23.91009879	80.14807096	2.8	8.15	11	No
939	Katni	Silondi	23.35232456	80.367882	2.6	6.30	11	No
940	Katni	Singodi	23.94146673	80.71052703	8.8	15.00	11	No
941	Katni	Sleemnabad	23.66051738	80.26404024	5.4	8.15	11	No
942	Katni	Umariyapan	23.50664141	80.27112648	7.3	8.15	11	No
943	Katni	Vijayraghogarh	23.99484899	80.59872198	1.3	10.00	11	No
944	Katni	Vilaytkala	23.72122348	80.64463217	1.6	6.30	11	No
945	Mandla	ANJANIYA	22.49854176	80.51266758	5.0	5.00	11	No
946	Mandla	BAMHANI	22.48303564	80.37468884	5.0	5.00	11	No
947	Mandla	C'DONGARI	22.41381648	80.29093306	2.1	3.15	11	No
948	Mandla	NAINPUR	22.43661661	80.12080721	5.0	5.00	11	No
949	Mandla	PHOOLSAGAR	22.6866998	80.35071604	0.8	3.15	11	No
950	Mandla	PINDRAI	22.52002212	80.058683	3.1	3.15	11	No
951	MAUGANJ	Dhera	24.60474777	81.75848901	0.4	3.15	11	No
952	MAUGANJ	Karah Pahadi	24.75901073	81.88371361	0.7	5.00	11	No
953	MAUGANJ	Naigarhi	24.76808577	81.76392181	7.1	10.00	11	No

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
954	MAUGANJ	RATANGWA PANNI	24.64530105	81.79174138	1.4	5.00	11	No
955	Narsinghpur	Amgaon	22.86514944	79.06851306	5.0	5.00	11	No
956	Narsinghpur	Atthaisa	22.97347848	78.79198861	5.0	5.00	11	No
957	Narsinghpur	Badhaiyakheda	23.08011926	79.38208364	4.9	5.00	11	No
958	Narsinghpur	Bamhori	22.98887547	78.71241192	5.0	5.00	11	No
959	Narsinghpur	Banskhedha	22.95782577	78.66776706	5.0	5.00	11	No
960	Narsinghpur	Banwari	22.92583033	78.64770612	3.4	5.00	11	No
961	Narsinghpur	Barehta	22.88644458	79.38887292	3.3	5.00	11	No
962	Narsinghpur	Barhabada	22.76465303	78.74262262	5.0	5.00	11	No
963	Narsinghpur	Barman	23.03298159	79.02358705	5.0	5.00	11	No
964	Narsinghpur	Basadehi	22.94894345	79.05570767	5.0	5.00	11	No
965	Narsinghpur	Basanpani	22.9570283	79.35693765	5.0	5.00	11	No
966	Narsinghpur	Basuriya	22.87146434	78.90617429	3.2	5.00	11	No
967	Narsinghpur	Belkhedi	22.87040889	78.67403443	2.6	5.00	11	No
968	Narsinghpur	Bohani	22.92870891	78.86562201	5.0	5.00	11	No
969	Narsinghpur	Dhamna	23.01807726	79.25486043	3.2	5.00	11	No
970	Narsinghpur	Dudwara	22.75867497	79.45267787	2.4	5.00	11	No
971	Narsinghpur	Gundrai (Old)	22.96857101	79.3898019	3.7	5.00	11	No
972	Narsinghpur	Imaliya	22.8169975	78.7479051	5.0	5.00	11	No
973	Narsinghpur	Jhamar	23.07488474	79.33100423	3.9	5.00	11	No
974	Narsinghpur	Joba	22.89272207	79.09327756	4.2	5.00	11	No
975	Narsinghpur	Kalyanpur	22.84785902	78.92130983	3.5	5.00	11	No
976	Narsinghpur	Kanarhgaon	22.87889072	78.78274913	5.0	5.00	11	No
977	Narsinghpur	Khamariya	23.08978452	79.54194597	5.0	5.00	11	No
978	Narsinghpur	Khamtara	22.93803539	79.23267329	4.0	5.00	11	No
979	Narsinghpur	Khursipar	22.93660496	78.72039722	1.3	5.00	11	No
980	Narsinghpur	Mugli	23.00921991	79.40240579	5.0	5.00	11	No
981	Narsinghpur	Mushran piperiya	23.00841073	79.35536265	2.5	5.00	11	No
982	Narsinghpur	Nakauta	22.93721935	79.20359966	0.5	5.00	11	No
983	Narsinghpur	Nandner	22.88993888	78.70168611	5.0	5.00	11	No

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
984	Narsinghpur	Narsinghpur(R)	22.9557493	79.17287856	5.0	5.00	11	No
985	Narsinghpur	Nayakheda	22.81459778	79.05870556	3.6	5.00	11	No
986	Narsinghpur	Paloha Raj.	23.13773421	79.03182819	5.0	5.00	11	No
987	Narsinghpur	Panagar	22.83990271	78.61814382	5.0	5.00	11	No
988	Narsinghpur	Ramkhariya	22.85997668	79.17235056	3.7	5.00	11	No
989	Narsinghpur	Rampipariya	22.983242	79.13964756	3.3	5.00	11	No
990	Narsinghpur	Sadumer	22.98563107	78.8602587	5.0	5.00	11	No
991	Narsinghpur	Sagoni	23.05088889	79.16697444	2.3	5.00	11	No
992	Narsinghpur	Sainkheda	22.95640832	78.58130888	5.0	5.00	11	No
993	Narsinghpur	Salichouka	22.83636229	78.6708416	5.0	5.00	11	No
994	Narsinghpur	Sani Mandir	22.92782809	78.7700676	0.7	5.00	11	No
995	Narsinghpur	Seoni Bandha	22.89262045	79.45215599	3.1	3.15	11	No
996	Narsinghpur	Sesadabar	22.7796445	78.90187273	5.0	5.00	11	No
997	Narsinghpur	Singhpur	22.88940926	79.18536711	4.5	5.00	11	No
998	Narsinghpur	Singhpur (Chichli)	22.78528434	78.77461281	5.0	5.00	11	No
999	Narsinghpur	Tendukheda(Goti)	22.76483574	78.82193299	2.7	5.00	11	No
1000	Narsinghpur	Tendukheda(Raj)	23.17715871	78.8971498	3.1	5.00	11	No
1001	Narsinghpur	Themi	23.0198789	79.33112642	5.0	5.00	11	No
1002	Narsinghpur	Umariya NEW	22.90922178	79.54175563	4.1	5.00	11	No
1003	niwari	BIRORAKHET	25.1283925	78.77208917	1.9	3.15	11	No
1004	niwari	KAKAWANI	25.10311056	78.67933444	5.0	5.00	11	No
1005	niwari	LIDHORA	25.06254736	78.87046379	9.9	10.00	11	No
1006	niwari	ORCHHA	25.35184005	78.63371151	1.3	5.00	11	No
1007	niwari	PRITHVIPUR	25.20765131	78.74491275	3.7	5.00	11	No
1008	niwari	TARICHAR KALA	25.40725408	78.89152423	2.0	5.00	11	No
1009	PANDHURNA	Badchicholi	21.49304406	78.69500297	5.4	8.15	11	No
1010	PANDHURNA	CHIMANKHAPA	21.87633117	78.61106765	1.6	5.00	11	No
1011	PANDHURNA	Marud	21.61331438	78.43100599	5.5	10.00	11	No
1012	PANDHURNA	Nandanwadi	21.73471816	78.5477815	8.3	15.00	11	No
1013	PANDHURNA	Rajana	21.53465489	78.62727672	10.2	13.15	11	No

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1014	PANDHURNA	TEEGAON	21.64199718	78.46088214	5.5	10.00	11	No
1015	PANNA	AJAY GARH	24.90748702	80.26041694	4.4	10.00	11	No
1016	PANNA	AMANGANJ	24.41614186	80.0337942	5.7	15.00	11	No
1017	PANNA	DEVENDRA NAGAR	24.61145214	80.37290766	8.6	10.00	11	No
1018	PANNA	DHARAMPUR	24.96717573	80.42859637	3.8	10.00	11	No
1019	PANNA	DUWARI	24.49018698	80.05088077	1.1	10.00	11	No
1020	PANNA	GUNOR	24.45050854	80.24820485	4.1	15.00	11	No
1021	PANNA	HARDUA	24.1290016	79.8527666	0.8	5.00	11	No
1022	PANNA	KAKREHTI	24.56724362	80.26855849	4.7	10.00	11	No
1023	PANNA	MAHEBA	24.40519213	80.13649711	3.4	10.00	11	No
1024	PANNA	SABDUWA	24.84211095	80.13384623	4.2	6.30	11	No
1025	PANNA	SALEHA	24.41693066	80.40544872	3.3	10.00	11	No
1026	PANNA	SHAHNAGAR	23.99538853	80.31292782	4.4	5.00	11	No
1027	PANNA	SUNWANI	24.36460751	79.89496896	1.0	5.00	11	No
1028	REWA	Amirtee	24.47589371	81.25931833	2.4	5.00	11	No
1029	REWA	Baikunthpur	24.72723116	81.40732514	5.8	10.00	11	No
1030	REWA	BAKSHERA	24.60080622	81.38754087	1.3	5.00	11	No
1031	REWA	Bankuiyan	24.60605985	81.20644007	3.7	10.00	11	No
1032	REWA	Chakghat	25.02784808	81.72114076	2.5	5.00	11	No
1033	REWA	Chandrapur	25.04009802	81.62641064	3.3	5.00	11	No
1034	REWA	Chhijwar	24.54739906	81.18167402	0.8	3.15	11	No
1035	REWA	Chirahulla	24.51729906	81.32700437	1.6	5.00	11	No
1036	REWA	Garh	24.81960253	81.64369903	3.4	8.15	11	No
1037	REWA	Govindgarh	24.37215145	81.30355899	2.6	5.00	11	No
1038	REWA	Gurh	24.4961189	81.50184105	1.4	5.00	11	No
1039	REWA	Jawa	24.96347335	81.48629239	5.5	10.00	11	No
1040	REWA	Kandaila	24.66755145	81.44831671	0.8	5.00	11	No
1041	REWA	Katra	24.89993742	81.68063135	4.9	10.00	11	No
1042	REWA	Manikwar	24.57031627	81.61604294	7.3	10.00	11	No
1043	REWA	Panwar	25.05139145	81.35540055	0.5	5.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1044	REWA	Raipur (Kal)	24.5779115	81.43544675	2.8	10.00	11	No
1045	REWA	Rambag	25.02261715	81.41213391	2.5	8.15	11	No
1046	REWA	SIRMOUR COLONY	24.85233807	81.3715309	2.0	5.00	11	No
1047	REWA	Teonthar	24.98567577	81.6535254	3.6	10.00	11	No
1048	REWA	Tighra	24.73393484	81.16232912	2.0	5.00	11	No
1049	REWA	Tiwani	24.67166945	81.50045424	1.1	5.00	11	No
1050	SATNA	AHIRGOAN	24.42346884	81.10828651	4.4	10.00	11	No
1051	SATNA	AJMAIN	24.10528091	80.74459943	2.0	5.00	11	No
1052	SATNA	AMMA	24.67255202	80.51539084	1.7	8.15	11	No
1053	SATNA	BADERA	24.07909663	80.81356051	7.8	10.00	11	No
1054	SATNA	BAGAHA	24.59573547	80.81618465	0.5	5.00	11	No
1055	SATNA	BARAHANA	24.73666812	80.71658275	3.1	5.00	11	No
1056	SATNA	BASUDHA	24.6378179	80.63409775	1.8	5.00	11	No
1057	SATNA	BELA	24.49398951	81.18882445	3.5	5.00	11	No
1058	SATNA	BHADAARI	24.40787165	80.95984068	0.5	5.00	11	No
1059	SATNA	BHARALI	24.15223567	80.69559542	2.6	10.00	11	No
1060	SATNA	BHARHUT	24.45089611	80.84662611	2.3	5.00	11	No
1061	SATNA	BHARJUNA	24.64302083	80.85457365	1.7	5.00	11	No
1062	SATNA	BHATANWARA	24.49450047	80.86364699	3.5	8.15	11	No
1063	SATNA	BIRSINGHPUR	24.7932887	80.9810466	6.2	10.00	11	No
1064	SATNA	CHITRAKOOT (RAJAULLA)	25.14804389	80.85234824	3.1	5.00	11	No
1065	SATNA	DAGDIHA	24.68743297	80.91654939	3.5	8.15	11	No
1066	SATNA	GHUNAWARA	24.15119742	80.62727635	1.3	3.15	11	No
1067	SATNA	GORAIYA	24.63001009	81.01999781	5.4	10.00	11	No
1068	SATNA	HARDUA	24.58637123	80.5008711	7.0	8.15	11	No
1069	SATNA	ITMA	24.68826478	80.66366162	0.6	5.00	11	No
1070	SATNA	JAITWARA	24.73511839	80.86418522	7.0	10.00	11	No
1071	SATNA	JARIYARI	24.25014522	80.94361781	3.1	5.00	11	No
1072	SATNA	JASSO	24.4909051	80.49375792	0.7	5.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1073	SATNA	JEETNAGAR	24.30630591	80.76158993	2.3	5.00	11	No
1074	SATNA	JHAJ GORIYA	24.14060192	80.88739815	2.8	5.00	11	No
1075	SATNA	KAKRA KARHI	24.36327958	81.03721188	1.5	5.00	11	No
1076	SATNA	KANDAWA	24.67845943	81.14045597	2.7	6.30	11	No
1077	SATNA	KARAH	24.38491531	80.8355623	2.4	10.00	11	No
1078	SATNA	KARIGOHI	24.86019212	80.94375808	4.1	10.00	11	No
1079	SATNA	KATHAHA	24.32902707	81.09705045	1.1	5.00	11	No
1080	SATNA	KOTAR	24.70245856	80.99978897	9.7	15.00	11	No
1081	SATNA	KRISHNA GARH	24.45338977	81.02098892	5.9	10.00	11	No
1082	SATNA	MADHOGARH	24.56009245	80.91417405	7.4	10.00	11	No
1083	SATNA	MAGAROURA	24.33952667	80.84631889	4.8	10.00	11	No
1084	SATNA	MAGHIGAWA	24.91687656	80.80532058	5.7	10.00	11	No
1085	SATNA	MANKESHAR	24.28225488	81.31228687	2.4	5.00	11	No
1086	SATNA	MATEHNA	24.58060402	80.91590719	0.4	3.15	11	No
1087	SATNA	NADAN	24.27256448	80.91301166	5.2	10.00	11	No
1088	SATNA	PAHADI	24.26578088	80.81336949	1.1	5.00	11	No
1089	SATNA	PARASMANIYA	24.35304899	80.61639467	1.0	6.30	11	No
1090	SATNA	RAHIKWARA	24.49709382	80.60165524	1.9	10.00	11	No
1091	SATNA	RAIGOAN	24.65751649	80.68836482	7.9	15.00	11	No
1092	SATNA	RAMNAGAR	24.22005856	81.09066587	2.4	5.00	11	No
1093	SATNA	RAMPUR	24.51380187	81.06572474	3.5	10.00	11	No
1094	SATNA	RAMSTHAN	24.62145639	80.96642774	1.7	5.00	11	No
1095	SATNA	SABHAGANJ	24.04017401	80.45655028	5.0	5.00	11	No
1096	SATNA	SHAYAM NAGAR	24.5252	80.66363722	2.4	5.00	11	No
1097	SATNA	SIJEHETA	24.574359	81.02809614	1.1	5.00	11	No
1098	SATNA	SILPARI	24.45742996	81.07462641	3.7	10.00	11	No
1099	SATNA	SINGHPUR	24.70776647	80.57854657	8.2	10.00	11	No
1100	SATNA	SITPURA	24.57692351	80.72995323	2.4	10.00	11	No
1101	SATNA	UNCHEHARA	24.38564854	80.79105488	5.0	5.00	11	No
1102	SEONI	BAMANWADA	22.47812056	79.63614	1.2	5.00	11	No

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1103	SEONI	BHIMGARH	22.37412432	79.66702089	3.1	3.15	11	No
1104	SEONI	CHAMARI	22.4718473	79.43092403	2.1	5.00	11	No
1105	SEONI	JAM	22.17861428	79.37917003	2.9	5.00	11	No
1106	SEONI	KALARBANKI	22.29386663	79.63207375	3.0	5.00	11	No
1107	SEONI	RAMGARH	22.33691733	79.37504288	3.0	5.00	11	No
1108	SEONI	UGLI	22.26135376	80.050532	1.2	3.15	11	No
1109	Shahdol	Bansagar	24.18336076	81.2852897	1.1	3.15	11	No
1110	Shahdol	Beohari	24.01933557	81.3811422	4.7	5.00	11	No
1111	Shahdol	Hardi	23.1181148	81.42649548	0.6	3.15	11	No
1112	Shahdol	Jaisingh Nagar	23.67974476	81.38371879	3.6	5.00	11	No
1113	Shahdol	Papondh	24.02506404	81.11079101	1.0	5.00	11	No
1114	SIDHI	CHURHAT	24.42487998	81.66136682	5.0	5.00	11	No
1115	SIDHI	KAMCHAD	24.1342386	81.85109218	0.8	5.00	11	No
1116	SIDHI	KUBARI	24.42293957	82.03682545	5.0	5.00	11	No
1117	SIDHI	MAJHAULI	24.1170983	81.6430274	5.0	5.00	11	No
1118	SIDHI	PAHADI	24.5341123	82.03050938	2.0	5.00	11	No
1119	SIDHI	RAMPUR	24.34644819	81.48154324	4.1	5.00	11	No
1120	Tikamgarh	132KV CAMPAS	24.73175976	78.84264729	2.4	5.00	11	No
1121	Tikamgarh	BALDEOGARH	24.75783396	79.0785508	3.9	10.00	11	No
1122	Tikamgarh	BUDERA	24.65382548	79.07953761	3.0	8.15	11	No
1123	Tikamgarh	GOR	24.92488182	78.76604036	2.7	5.00	11	No
1124	Tikamgarh	HIRDAY NAGAR	24.91799111	79.00221556	4.9	5.00	11	No
1125	Tikamgarh	KAKARWAHA	24.48207086	78.97027514	3.1	5.00	11	No
1126	Tikamgarh	PALERA	25.02473703	79.22238922	2.2	5.00	11	No
1127	Tikamgarh	SARKANPUR	24.85434543	79.06195189	1.0	5.00	11	No
1128	Tikamgarh	VEERPURA	25.12897044	79.00508978	4.4	15.00	11	No
1129	Umariya	Balhod (Deori)	23.81999794	81.14948106	5.0	5.00	11	No
1130	Umariya	Bharewa	23.98732292	80.99731813	5.0	5.00	11	No
1131	Umariya	BIJAORI	23.68505811	81.18521777	3.8	5.00	11	No
1132	Umariya	Chandiya	23.65063553	80.71235333	4.4	5.00	11	No

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(MW)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1133	Umariya	CHILHARI	23.91408	80.96332	4.1	5.00	11	No
1134	Umariya	Umariya	23.5306278	80.83701945	3.6	5.00	11	No

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Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1135	BURHANPUR	BIRODA	21.31	76.14	4.5	5.00	11	Yes
1136	BURHANPUR	BORI	21.45	76.1	3.1	8.15	11	Yes
1137	BURHANPUR	DABHIYAKHEDA	21.47	76.52	10.0	10.00	11	Yes
1138	BURHANPUR	DEDTALAI	21.49	76.77	3.1	3.15	11	Yes
1139	BURHANPUR	KHATLA	21.54	76.23	3.3	5.00	11	Yes
1140	BURHANPUR	LONI	21.29	76.18	8.8	10.00	11	Yes
1141	SHAJAPUR	AKVN MAKSI	23.24	76.15	1.3	3.15	11	Yes
1142	SHAJAPUR	AMLAY PATHAR	23.23	76.32	1.8	5.00	11	Yes
1143	SHAJAPUR	AVANTIPUR - BADODIYA	23.14	76.59	5.0	5.00	11	Yes
1144	SHAJAPUR	BARNAWAD	23.66	76.33	3.1	5.00	11	Yes
1145	SHAJAPUR	BEHRAWAL	23.42	76.85	6.1	10.00	11	Yes
1146	SHAJAPUR	BHENSAYANAGIN	23.38	76.92	3.2	8.15	11	Yes
1147	SHAJAPUR	BHESHAYAGADA	23.53	76.92	1.7	5.00	11	Yes
1148	SHAJAPUR	BHURIYA KAJURIYA	23.29	76.61	1.3	5.00	11	Yes
1149	SHAJAPUR	BIRGOD	23.26	76.34	2.6	5.00	11	Yes
1150	SHAJAPUR	BOLAI	23.39	76.48	4.1	5.00	11	Yes
1151	SHAJAPUR	DADIYAKHEDI	23.31	76.88	2.6	5.00	11	Yes
1152	SHAJAPUR	DHABLADHEER	23.33	76.85	2.7	5.00	11	Yes
1153	SHAJAPUR	DHABLAGHOSI	23.29	76.68	1.8	3.15	11	Yes
1154	SHAJAPUR	DUDHANA	23.57	76.39	2.5	5.00	11	Yes
1155	SHAJAPUR	DUPADA	23.54	76.2	4.3	4.38	11	Yes
1156	SHAJAPUR	FARAD	23.24	76.9	3.7	5.00	11	Yes
1157	SHAJAPUR	GULANA	23.43	76.48	6.6	13.15	11	Yes
1158	SHAJAPUR	HADLAIKALA	23.32	76.61	5.0	5.00	11	Yes
1159	SHAJAPUR	HANOTI	23.25	76.21	1.5	3.15	11	Yes
1160	SHAJAPUR	KADWALA	23.48	76.63	5.7	10.00	11	Yes
1161	SHAJAPUR	KALAPIPAL	23.34	76.84	4.1	5.00	11	Yes
1162	SHAJAPUR	KANKADI	23.51	76.27	1.6	5.00	11	Yes
1163	SHAJAPUR	KHAMLAY	23.15	76.87	3.2	5.00	11	Yes
1164	SHAJAPUR	LASUDIYA GORI	23.39	76.83	4.8	5.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1165	SHAJAPUR	LASULDIYA MALAK	23.21	76.89	1.3	5.00	11	Yes
1166	SHAJAPUR	MADANA	23.48	76.47	5.1	10.00	11	Yes
1167	SHAJAPUR	MAKODI	23.33	76.63	2.2	5.00	11	Yes
1168	SHAJAPUR	MANDODA	23.62	76.42	2.1	8.15	11	Yes
1169	SHAJAPUR	MANGLAJ	23.54	76.56	4.9	5.00	11	Yes
1170	SHAJAPUR	MOHNA	23.69	76.36	3.4	5.00	11	Yes
1171	SHAJAPUR	NAGZIRI	23.57	76.28	3.8	5.00	11	Yes
1172	SHAJAPUR	NANDNI	23.32	76.93	5.0	5.00	11	Yes
1173	SHAJAPUR	PAGRAWAT KALA	23.17	76.55	2.7	5.00	11	Yes
1174	SHAJAPUR	PIPLODA	23.54	76.61	1.5	3.15	11	Yes
1175	SHAJAPUR	POCHANER	23.16	76.81	5.7	10.00	11	Yes
1176	SHAJAPUR	POLAIKALA	23.22	76.54	8.9	10.00	11	Yes
1177	SHAJAPUR	RAMDI	23.47	76.87	2.7	5.00	11	Yes
1178	SHAJAPUR	RANAYAL	23.22	76.73	1.7	5.00	11	Yes
1179	SHAJAPUR	RANI BAROD	23.35	76.6	2.8	4.38	11	Yes
1180	SHAJAPUR	SHUJALPUR CITY	23.41	76.72	3.7	5.00	11	Yes
1181	SHAJAPUR	SHYAMPUR CHITONI	23.48	76.76	4.9	5.00	11	Yes
1182	SHAJAPUR	SIROLIYA	23.27	76.19	4.5	5.00	11	Yes
1183	SHAJAPUR	TILAWAD	23.21	76.7	3.9	5.00	11	Yes
1184	SHAJAPUR	UGLI	23.45	76.81	4.6	5.00	11	Yes
1185	SHAJAPUR	ZONKAR	23.25	76.17	2.3	5.00	11	Yes
1186	KHANDWA	BADGAONGUJAR	21.76	76.35	8.1	13.15	11	Yes
1187	KHANDWA	BAMANGAON	21.8	76.36	1.1	3.15	11	Yes
1188	KHANDWA	BANGARDA	22.16	76.46	3.8	10.00	11	Yes
1189	KHANDWA	CHHANERA	21.97	76.7	6.6	10.00	11	Yes
1190	KHANDWA	CHHEGAON DEVI	21.82	76.29	3.5	5.00	11	Yes
1191	KHANDWA	CIVIL LINE	21.83	76.38	2.2	5.00	11	Yes
1192	KHANDWA	DAGAD KHEDI	22.08	76.83	3.9	6.30	11	Yes
1193	KHANDWA	DEVLA	22.13	76.36	4.3	5.00	11	Yes
1194	KHANDWA	DHANGAON	22.09	76.12	3.5	13.15	11	Yes
1195	KHANDWA	JALKUWA	22.12	76.54	2.4	5.00	11	Yes

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1196	KHANDWA	JAMNIYA SARSARI	21.94	76.85	3.2	8.15	11	Yes
1197	KHANDWA	KOTHI	22.22	76.11	3.0	8.15	11	Yes
1198	KHANDWA	NAVALI	21.94	76.19	1.8	8.15	11	Yes
1199	KHANDWA	NIHALWADI	21.73	76.15	3.1	5.00	11	Yes
1200	KHANDWA	PUNASA VILL.	22.24	76.38	7.3	13.15	11	Yes
1201	KHANDWA	RANGAON	22.02	76.45	3.8	5.00	11	Yes
1202	KHANDWA	ROHNI	21.94	76.51	2.5	5.00	11	Yes
1203	KHANDWA	SATWADA	21.87	76.44	2.8	8.15	11	Yes
1204	KHANDWA	SENDHWAL	21.59	76.78	5.0	10.00	11	Yes
1205	KHANDWA	SIHADA	21.87	76.38	3.9	8.15	11	Yes
1206	KHANDWA	TAKLIKALAN	21.68	76.36	2.8	5.00	11	Yes
1207	UJJAIN	220 KV BARNAGAR	23.07	75.36	8.0	10.00	11	Yes
1208	UJJAIN	BANDARBELA	23.26	75.35	3.8	5.00	11	Yes
1209	UJJAIN	BANDKA INDUSTRIAL	23.31	75.82	2.7	5.00	11	Yes
1210	UJJAIN	BANJARI(NAGDA)	23.38	75.5	4.3	5.00	11	Yes
1211	UJJAIN	BHIKAMPUR	23.39	75.36	2.3	5.00	11	Yes
1212	UJJAIN	BIRYAKHEDI	23.11	75.36	3.9	5.00	11	Yes
1213	UJJAIN	BOLKHEDA NAU	23.67	75.8	3.6	5.00	11	Yes
1214	UJJAIN	BORKHEDA	23.38	75.5	3.3	5.00	11	Yes
1215	UJJAIN	CHAKRAWADA	23.25	75.71	6.7	10.00	11	Yes
1216	UJJAIN	JAGOTI	23.39	75.81	9.0	10.00	11	Yes
1217	UJJAIN	JAITHAL	23.28	75.82	6.2	10.00	11	Yes
1218	UJJAIN	KALSI	23.52	75.4	4.2	5.00	11	Yes
1219	UJJAIN	KALUHEDA	23.34	75.71	2.9	5.00	11	Yes
1220	UJJAIN	KARANJ	23.33	76.1	1.6	3.15	11	Yes
1221	UJJAIN	KHARPA	23.28	76.02	3.2	5.00	11	Yes
1222	UJJAIN	KILODIYA	23.51	75.37	4.2	8.15	11	Yes
1223	UJJAIN	KOTTHDI	23.21	75.61	3.8	5.00	11	Yes
1224	UJJAIN	MOHANA	23.47	75.49	2.9	5.00	11	Yes
1225	UJJAIN	MOLANA	23.08	75.4	5.0	5.00	11	Yes
1226	UJJAIN	PAT	23.55	75.9	3.2	8.15	11	Yes

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1227	UJJAIN	RAMATALAI	23.4	75.26	2.6	5.00	11	Yes
1228	UJJAIN	SAGWALI	23.58	75.59	1.8	5.00	11	Yes
1229	UJJAIN	UNHEL STATION	23.32	75.48	8.6	10.00	11	Yes
1230	UJJAIN	ZITARKHEDI	23.39	75.92	4.3	5.00	11	Yes
1231	JHABUA	BADI HIDI	22.69	74.71	1.6	5.00	11	Yes
1232	JHABUA	BADI KHATTALI	22.35	74.53	5.0	5.00	11	Yes
1233	JHABUA	BODAYATA	23.02	74.94	2.5	5.00	11	Yes
1234	JHABUA	BOLASA	22.87	74.89	2.4	5.00	11	Yes
1235	JHABUA	CHHAKTALA	22.09	74.18	6.5	10.00	11	Yes
1236	JHABUA	DABADI	22.3	74.62	7.2	10.00	11	Yes
1237	JHABUA	FULMAL	22.19	74.14	2.2	5.00	11	Yes
1238	JHABUA	HAMIRGARH	22.96	74.92	5.0	5.00	11	Yes
1239	JHABUA	KAKANWANI	23.04	74.44	8.1	8.15	11	Yes
1240	JHABUA	KALYANPUR	22.88	74.64	4.0	10.00	11	Yes
1241	JHABUA	KARAJWANI	22.04	74.19	1.4	5.00	11	Yes
1242	JHABUA	KATTHIWADA	22.48	74.16	4.9	5.00	11	Yes
1243	JHABUA	NANPUR	22.27	74.52	6.3	10.00	11	Yes
1244	JHABUA	PARWALIA	23.02	74.52	3.1	3.15	11	Yes
1245	JHABUA	PITOL	22.79	74.46	2.6	5.00	11	Yes
1246	JHABUA	RANAPUR	22.65	74.53	7.4	8.15	11	Yes
1247	JHABUA	SARANGI	23.04	74.9	13.5	15.00	11	Yes
1248	JHABUA	SONDWA	22.12	74.38	6.4	8.15	11	Yes
1249	JHABUA	SUJAPURA	23.06	74.62	3.8	5.00	11	Yes
1250	JHABUA	TALAVALI	22.82	74.64	4.2	8.15	11	Yes
1251	JHABUA	THANDLA	23	74.58	5.0	5.00	11	Yes
1252	JHABUA	UDAIGARH	22.53	74.54	10.0	10.00	11	Yes
1253	JHABUA	UMRALI	22.18	74.32	3.5	5.00	11	Yes
1254	JHABUA	UNDWA	22.35	74.4	6.4	8.15	11	Yes
1255	BARWANI	BADGOAN	21.98	75.19	5.2	10.00	11	Yes
1256	BARWANI	BARUFATAK	21.99	75.3	5.1	10.00	11	Yes
1257	BARWANI	BHAGSUR	21.96	75.05	8.0	10.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1258	BARWANI	DHAWALI	21.42	75.31	4.6	5.00	11	Yes
1259	BARWANI	GANDHAWAL	21.87	74.77	4.7	5.00	11	Yes
1260	BARWANI	HATOLA	22.05	75.23	3.3	5.00	11	Yes
1261	BARWANI	JAMTHI	21.42	75.31	5.0	10.00	11	Yes
1262	BARWANI	KARI	22.03	74.95	2.8	5.00	11	Yes
1263	BARWANI	KHADKI	21.68	74.68	5.0	5.00	11	Yes
1264	BARWANI	KHETIYA	21.67	74.59	6.0	10.00	11	Yes
1265	BARWANI	KOYDIYA	22.03	75.15	3.0	3.15	11	Yes
1266	BARWANI	LIMBI	21.96	74.67	3.0	8.15	11	Yes
1267	BARWANI	MALFA	21.71	74.61	3.1	5.00	11	Yes
1268	BARWANI	MANKUI	21.72	74.77	5.1	10.00	11	Yes
1269	BARWANI	NAWALPURA	22.04	74.91	0.6	5.00	11	Yes
1270	BARWANI	NEW DONDWADA	21.77	75.04	6.3	8.15	11	Yes
1271	BARWANI	RAKHI BUJURG	21.72	74.54	4.9	5.00	11	Yes
1272	BARWANI	SHAHPURA	21.59	75.15	7.4	10.00	11	Yes
1273	BARWANI	SURANA	22.01	75.12	3.0	5.00	11	Yes
1274	BARWANI	TALON	22.03	74.98	4.4	5.00	11	Yes
1275	BARWANI	TALWADA DEB	22.07	75.19	6.1	10.00	11	Yes
1276	BARWANI	THIKRI	22.07	75.41	3.8	5.00	11	Yes
1277	DEWAS(O&M)	AGERA	22.9735° N	76.4021° E	5.9	11.30	11	Yes
1278	DEWAS(O&M)	BAROTHA	22.85959° N	76.1702° E	7.4	10.00	11	Yes
1279	DEWAS(O&M)	BHANDARIYA	22.58113	76.55353	1.8	5.00	11	Yes
1280	DEWAS(O&M)	BHOUNRASA	22.9926° N	76.2117° E	7.7	10.00	11	Yes
1281	DEWAS(O&M)	BHUTIYA BHUJURG	23.1549° N	76.3493° E	4.1	5.00	11	Yes
1282	DEWAS(O&M)	CHAPDA	22.7075° N	76.3218° E	5.7	10.00	11	Yes
1283	DEWAS(O&M)	DAWTHA	22.59286	76.90704	5.0	5.00	11	Yes
1284	DEWAS(O&M)	EHV CAMPUS	22.658949	76.746306	5.2	10.00	11	Yes
1285	DEWAS(O&M)	GANDHARAVPURI	23.0470° N	76.3746° E	10.8	13.15	11	Yes
1286	DEWAS(O&M)	KARNAWAD	22.7297° N	76.2407° E	10.0	10.00	11	Yes
1287	DEWAS(O&M)	KHOKARIYA	22.90777° N	76.19298° E	4.0	5.00	11	Yes
1288	DEWAS(O&M)	KUSMANIYA	22.658949	76.746306	5.6	10.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1289	DEWAS(O&M)	LOHANA	23.08276° N	76.0329° E	2.8	5.00	11	Yes
1290	DEWAS(O&M)	MIRZAPUR	22.72978° N	76.1409° E	3.1	5.00	11	Yes
1291	DEWAS(O&M)	NEWRI FATA	22.8599° N	76.2450° E	3.4	5.00	11	Yes
1292	DEWAS(O&M)	PANDA JAGIR	22.9170° N	76.2559° E	8.3	10.00	11	Yes
1293	DEWAS(O&M)	PATRANI	22.75839	76.96687	4.2	5.00	11	Yes
1294	DEWAS(O&M)	PIPALRAWA	23.1697° N	76.4852° E	8.0	15.00	11	Yes
1295	DEWAS(O&M)	PIPLANI	22.658949	76.746306	1.0	5.00	11	Yes
1296	DEWAS(O&M)	PITAWALI	22.7581° N	76.3493° E	1.9	5.00	11	Yes
1297	DEWAS(O&M)	POKHAR BUJURG	22.42988	76.68207	7.1	10.00	11	Yes
1298	DEWAS(O&M)	RAJODA	22.92966° N	76.09108° E	2.9	5.00	11	Yes
1299	DEWAS(O&M)	RATANKHEDI	23.1503° N	76.1001° E	6.5	10.00	11	Yes
1300	DEWAS(O&M)	RATATALAI	22.5409° N	76.3695° E	2.9	5.00	11	Yes
1301	DEWAS(O&M)	ROOPAKHEDI	22.9649° N	75.96642° E	3.5	5.00	11	Yes
1302	DEWAS(O&M)	SARSODA	22.9558° N	76.2740° E	2.0	5.00	11	Yes
1303	DEWAS(O&M)	SATWAS	22.53617	76.68445	8.7	15.00	11	Yes
1304	DEWAS(O&M)	SETI	22.72533	76.57908	4.0	5.00	11	Yes
1305	DEWAS(O&M)	SINGAWDA	22.99921° N	75.99992° E	12.0	15.00	11	Yes
1306	DEWAS(O&M)	TALOD	23.0183° N	76.4216° E	7.1	10.00	11	Yes
1307	DEWAS(O&M)	TONKKHURD	23.0981° N	76.2175° E	6.6	8.15	11	Yes
1308	DEWAS(O&M)	TONKKHURD II	23.0981° N	76.2175° E	4.3	8.15	11	Yes
1309	DHAR	AWALDA	22.18	75.15	5.0	5.00	11	Yes
1310	DHAR	BARWANIYA	22.13	74.64	4.2	5.00	11	Yes
1311	DHAR	BERCHA	22.54	75.46	3.4	5.00	11	Yes
1312	DHAR	BHAMAKHEDI	22.95	75.21	3.0	5.00	11	Yes
1313	DHAR	BIDWAL	22.86	75.19	10.3	15.00	11	Yes
1314	DHAR	BILLODA	22.54	75.46	6.3	9.08	11	Yes
1315	DHAR	DAHI	22.11	74.6	7.9	10.00	11	Yes
1316	DHAR	DEVLA	22.35	75	3.5	5.00	11	Yes
1317	DHAR	DHOLIYA	22.11	74.75	1.6	5.00	11	Yes
1318	DHAR	DHULET	22.6	74.87	7.0	10.00	11	Yes
1319	DHAR	KABARWA	22.27	75.02	4.5	5.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1320	DHAR	KALIBAWADI	22.13	75.05	8.1	8.15	11	Yes
1321	DHAR	KALORA	22.92	75.24	3.0	5.00	11	Yes
1322	DHAR	KHACHRODA	22.84	75.41	6.7	8.15	11	Yes
1323	DHAR	KHAJURIYA	22.82	75.26	4.0	8.15	11	Yes
1324	DHAR	KHANDLAI	22.31	75.32	3.2	5.00	11	Yes
1325	DHAR	LABRIYA	22.59	75.12	7.1	10.00	11	Yes
1326	DHAR	MANGOD	22.64	74.84	7.0	10.00	11	Yes
1327	DHAR	NAGDA	22.81	75.27	6.6	15.00	11	Yes
1328	DHAR	NANDLAI	22.67	74.96	3.7	3.77	11	Yes
1329	DHAR	NARAYANPURA	22.6	75.47	4.8	5.00	11	Yes
1330	DHAR	NARWALI	22.1	74.81	2.6	5.00	11	Yes
1331	DHAR	PALWADA	22.81	75.34	6.0	8.15	11	Yes
1332	DHAR	RAJOD	22.6	74.93	10.9	15.00	11	Yes
1333	DHAR	SATIPURA	22.44	75.17	5.0	5.00	11	Yes
1334	DHAR	TAJPUR	22.69	75.36	3.1	3.15	11	Yes
1335	DHAR	TAKRAWDA	22.73	75.2	1.9	5.00	11	Yes
1336	DHAR	TALANPUR	22.51	74.85	8.9	10.00	11	Yes
1337	DHAR	TANDA	22.15	75.13	6.5	10.00	11	Yes
1338	DHAR	TAWLAI	22.26	75.12	9.9	10.00	11	Yes
1339	DHAR	TILGARA	23.07	75.14	5.9	8.15	11	Yes
1340	DHAR	UMARBAN	22.61	75.07	5.2	10.00	11	Yes
1341	DHAR	UTAWAD	22.62	75.39	4.8	5.00	11	Yes
1342	RATLAM	ALOT	23.76	75.55	9.8	15.00	11	Yes
1343	RATLAM	BARDIYA RATHORE	23.81	75.53	3.1	8.15	11	Yes
1344	RATLAM	BARKHEDA KALA	23.88	75.43	5.0	5.00	11	Yes
1345	RATLAM	DUDHAWATI	23.74	75.59	2.3	5.00	11	Yes
1346	RATLAM	GULBALOD	23.75	75.48	8.0	8.15	11	Yes
1347	RATLAM	HANUMANTIYA	23.83	75.48	10.0	10.00	11	Yes
1348	RATLAM	LASUDIYA JANGLI	23.62	75.23	3.6	5.00	11	Yes
1349	RATLAM	LODH	23.65	75.31	4.0	5.00	11	Yes
1350	RATLAM	LUNI	23.66	75.49	2.6	5.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1351	RATLAM	TAL	23.73	75.38	13.5	15.00	11	Yes
1352	RATLAM	BADAYALA CHORASI	23.57	75.08	4.6	10.00	11	Yes
1353	RATLAM	KHEDAWADA	23.59	74.89	3.5	5.00	11	Yes
1354	RATLAM	MACHUN	23.54	74.93	1.9	3.15	11	Yes
1355	RATLAM	MAMATKHEDA	23.67	75.08	3.8	5.00	11	Yes
1356	RATLAM	PANCHEWA	23.66	75.01	9.4	10.00	11	Yes
1357	RATLAM	RANI GAON	23.75	74.97	4.5	8.15	11	Yes
1358	RATLAM	SEJAWATA	23.61	75.15	2.9	5.00	11	Yes
1359	RATLAM	UPLAI	23.58	75.15	10.7	15.00	11	Yes
1360	RATLAM	BIRMAWAL	23.12	75.13	8.4	10.00	11	Yes
1361	RATLAM	DHAMNOD	23.44	74.98	10.0	10.00	11	Yes
1362	RATLAM	DHOSWAS	23.41	75.07	7.2	10.00	11	Yes
1363	RATLAM	JADWASA	23.37	75.12	8.0	8.15	11	Yes
1364	RATLAM	KARAMDI	23.29	75.04	5.6	10.00	11	Yes
1365	RATLAM	KHETALPUR	23.33	75	1.9	5.00	11	Yes
1366	RATLAM	PALSODI	23.34	74.92	1.5	5.00	11	Yes
1367	RATLAM	PRITAM NAGAR	23.18	75.19	3.9	5.00	11	Yes
1368	RATLAM	RUPAKHEDA	23.23	75.12	4.7	5.00	11	Yes
1369	RATLAM	SARWAD	23.18	75.16	3.6	5.00	11	Yes
1370	RATLAM	SEMLIYA	23.45	75.1	9.8	10.00	11	Yes
1371	INDORE O&M	ATAHEDA	22.9	75.63	10.3	15.00	11	Yes
1372	INDORE O&M	BAGANA	22.85	75.79	1.7	5.00	11	Yes
1373	INDORE O&M	BANEDIYA	22.85	75.57	2.8	5.00	11	Yes
1374	INDORE O&M	BEGANDA	22.81	75.5	4.0	5.00	11	Yes
1375	INDORE O&M	DHATURIYA	22.9	75.79	4.9	10.00	11	Yes
1376	INDORE O&M	GAWLA	22.66	75.69	5.6	10.00	11	Yes
1377	INDORE O&M	GIROTA	23.07	75.59	6.6	10.00	11	Yes
1378	INDORE O&M	JALODIYA PANTH	22.81	75.55	4.2	5.00	11	Yes
1379	INDORE O&M	LIMBODAPAR	22.86	75.47	4.1	10.00	11	Yes
1380	INDORE O&M	NAVDAPANTH	22.69	75.77	3.3	10.00	11	Yes
1381	INDORE O&M	OSRA	23.04	75.61	1.5	5.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1382	INDORE O&M	TALAWALI	23.02	75.54	3.6	5.00	11	Yes
1383	INDORE O&M	CHIKLONDA	22.77	75.56	9.0	15.00	11	Yes
1384	INDORE O&M	KHEDA	22.59	75.65	1.1	5.00	11	Yes
1385	INDORE O&M	METHWADA	22.67	75.55	5.0	5.00	11	Yes
1386	INDORE O&M	RANGWASA (PITHAMPUR)	22.74	75.57	3.0	5.00	11	Yes
1387	INDORE O&M	SAGORE	22.6	75.61	6.0	10.00	11	Yes
1388	INDORE O&M	JOSHIGURADIYA	22.61	75.94	2.4	5.00	11	Yes
1389	INDORE O&M	KADVAALI	22.95	75.58	1.6	5.00	11	Yes
1390	INDORE O&M	KHEDI SIHOD	22.49	75.57	2.6	5.00	11	Yes
1391	INDORE O&M	KHURDEE	22.37	75.65	5.0	5.00	11	Yes
1392	INDORE O&M	BARLAI JAGIR	22.9	75.96	3.0	5.00	11	Yes
1393	INDORE O&M	BAWLIA	22.69	76.09	5.0	5.00	11	Yes
1394	INDORE O&M	BILODA NAYTA	23.01	75.87	1.3	5.00	11	Yes
1395	INDORE O&M	BUDI BARLAI	22.89	75.98	3.1	10.00	11	Yes
1396	INDORE O&M	BURANA KHEDI	22.77	76.01	1.8	5.00	11	Yes
1397	INDORE O&M	CHANDRAWATI GANJ	23.01	75.68	4.9	10.00	11	Yes
1398	INDORE O&M	DAKACHYA	22.84	75.94	3.0	5.00	11	Yes
1399	INDORE O&M	DHARAMPURI (INDORE)	22.86	75.85	6.3	10.00	11	Yes
1400	INDORE O&M	DUDHIYA	22.68	75.95	3.7	10.00	11	Yes
1401	INDORE O&M	GARIPILIYA	22.71	76.01	1.6	5.00	11	Yes
1402	INDORE O&M	HATUNIA	22.92	75.9	5.1	15.00	11	Yes
1403	INDORE O&M	KHUDEL	22.69	76.03	7.1	10.00	11	Yes
1404	INDORE O&M	MOROD	22.63	75.87	0.9	5.00	11	Yes
1405	INDORE O&M	NEW SANWER	22.98	75.9	7.6	15.00	11	Yes
1406	INDORE O&M	SANWER	22.98	75.9	4.7	10.00	11	Yes
1407	INDORE O&M	SIVNI	22.67	76.14	6.6	10.00	11	Yes
1408	INDORE O&M	TARANA	22.92	75.85	5.3	10.00	11	Yes
1409	INDORE O&M	TILLORE	22.62	75.95	4.1	15.00	11	Yes
1410	INDORE O&M	TODI	22.86	75.91	3.5	10.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1411	INDORE O&M	UJJAINI	22.64	75.99	4.4	5.00	11	Yes
1412	KHARGONE	BELSAR	22.22	76.01	3.3	6.30	11	Yes
1413	KHARGONE	Bhangaon	22.03	75.67	2.0	5.00	11	Yes
1414	KHARGONE	Bhesawad	22.02	75.45	2.0	5.00	11	Yes
1415	KHARGONE	CHIRIYA	75.89	21.6	5.3	10.00	11	Yes
1416	KHARGONE	Dasnawal(Bilali)	21.79	75.79	4.6	5.00	11	Yes
1417	KHARGONE	Dodwa	22.03	76.13	4.8	10.00	11	Yes
1418	KHARGONE	Gadi	22.31	75.52	5.0	5.00	11	Yes
1419	KHARGONE	Khamkheda	22.04	75.74	2.3	8.15	11	Yes
1420	KHARGONE	Lonara	21.93	75.38	4.4	10.00	11	Yes
1421	KHARGONE	Malgoan	22.16	75.79	1.3	5.00	11	Yes
1422	KHARGONE	MARDANA	22.17	75.83	0.5	5.00	11	Yes
1423	KHARGONE	Mogaragon	21.7	75.82	7.2	10.00	11	Yes
1424	KHARGONE	NILKANTH	22.14	75.97	2.8	5.00	11	Yes
1425	KHARGONE	Nimchadi Main	21.95	75.63	3.7	5.00	11	Yes
1426	KHARGONE	Pipalgone	22.1	75.76	4.0	10.00	11	Yes
1427	KHARGONE	Sangvi	21.75	75.39	4.7	10.00	11	Yes
1428	KHARGONE	TITRANIYA	75.9	21.73	2.1	5.00	11	Yes
1429	KHARGONE	UMARKHALI	21.72	75.59	2.9	5.00	11	Yes
1430	MANDSAUR	ANTRALIYA	24.44	75.65	1.4	5.00	11	Yes
1431	MANDSAUR	BAAPCHYA	24.13	75.48	2.6	4.08	11	Yes
1432	MANDSAUR	BARODIYA CHOUKI	24.61	75.69	2.2	8.15	11	Yes
1433	MANDSAUR	BHALOT	24	75	3.0	5.00	11	Yes
1434	MANDSAUR	BHUNIYAKHEDI	24.11	75.04	5.0	5.00	11	Yes
1435	MANDSAUR	BILLOD	24.24	75.33	6.4	10.00	11	Yes
1436	MANDSAUR	HINGORIYA	24.24	75.33	2.8	5.00	11	Yes
1437	MANDSAUR	JAGGAKHEDI(M)	24.11	75.09	4.4	5.00	11	Yes
1438	MANDSAUR	JAGGAKHEDI(N)	24.1	75.18	8.2	10.00	11	Yes
1439	MANDSAUR	KACHNARA	23.84	75.1	7.5	13.15	11	Yes
1440	MANDSAUR	KANGHATTI	24.21	74.93	5.5	8.15	11	Yes
1441	MANDSAUR	KHAJURI PANTH	24.21	75.71	4.3	10.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1442	MANDSAUR	KHARAWDA	24.37	75.54	5.2	10.00	11	Yes
1443	MANDSAUR	KHILCHIPURA	24.04	75.07	6.6	10.00	11	Yes
1444	MANDSAUR	KOTDA BAHADUR	24.16	75.35	3.6	5.00	11	Yes
1445	MANDSAUR	LOTHKHEDI	24.46	75.75	2.7	5.00	11	Yes
1446	MANDSAUR	MANPURA	23.89	75.36	5.9	10.00	11	Yes
1447	MANDSAUR	NAHARGARH	24.15	75.24	9.3	10.00	11	Yes
1448	MANDSAUR	PIPLIYA JATI	24.33	75.59	2.7	4.08	11	Yes
1449	MANDSAUR	SANJEET	24.28	75.29	5.7	10.00	11	Yes
1450	MANDSAUR	SATHKHEDA	24.28	75.56	4.2	5.00	11	Yes
1451	MANDSAUR	SEMLI KANKAD	24.1	75.69	2.7	5.00	11	Yes
1452	MANDSAUR	TAKRAWAD	24.25	75.2	1.9	5.00	11	Yes
1453	NEEMUCH	ATHANA	24.66	74.85	9.4	13.15	11	Yes
1454	NEEMUCH	BADKUA	24.65	75.23	0.6	5.00	11	Yes
1455	NEEMUCH	BAGHPURA	24.87	74.86	3.1	5.00	11	Yes
1456	NEEMUCH	DHANERIYA	24.46	74.83	3.0	5.00	11	Yes
1457	NEEMUCH	FUSARIYA	24.98	75.29	5.0	10.00	11	Yes
1458	NEEMUCH	HANMANTIYA PAWAR	24.4	75.04	6.5	10.00	11	Yes
1459	NEEMUCH	INDUSTRIAL AREA	24.48	74.87	1.8	5.00	11	Yes
1460	NEEMUCH	JAISINGH PURA	24.4	74.85	5.0	5.00	11	Yes
1461	NEEMUCH	JAWAD	24.58	74.87	8.6	10.00	11	Yes
1462	NEEMUCH	KADWASA	24.97	75.14	4.5	10.00	11	Yes
1463	NEEMUCH	KANAWATI	24.49	74.85	2.4	3.15	11	Yes
1464	NEEMUCH	KANKRIYATALAI	24.87	75.08	2.0	3.15	11	Yes
1465	NEEMUCH	KELUKHEDA	24.61	74.91	3.9	5.00	11	Yes
1466	NEEMUCH	KHANKHEDI	24.35	75.28	0.7	5.00	11	Yes
1467	NEEMUCH	KHETAKHEDA	24.35	74.94	4.6	5.00	11	Yes
1468	NEEMUCH	LADPURA	24.99	75.17	4.6	5.00	11	Yes
1469	NEEMUCH	MORWAN	24.62	75	5.4	10.00	11	Yes
1470	NEEMUCH	NAYAGAON	24.56	74.78	5.7	10.00	11	Yes
1471	NEEMUCH	NILIYA	24.64	75.07	2.9	5.00	11	Yes
1472	NEEMUCH	RATANGARH	24.82	75.1	15.0	15.00	11	Yes

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1473	NEEMUCH	REVLII-DEVLI	24.46	74.98	5.0	5.00	11	Yes
1474	NEEMUCH	SARODA	24.71	74.81	3.3	5.00	11	Yes
1475	NEEMUCH	SARWANIYA MASANI	24.61	74.81	3.0	5.00	11	Yes
1476	NEEMUCH	SAWAN	24.45	75.07	6.2	8.15	11	Yes
1477	BURHANPUR	CHAPORA	21.2	76.19	15.0	15.00	11	No
1478	BURHANPUR	DHULKOT	21.5	76.17	5.0	5.00	11	No
1479	BURHANPUR	ICHHAPUR	21.15	76.16	9.7	10.00	11	No
1480	BURHANPUR	JAINABAD	21.29	76.24	6.3	8.15	11	No
1481	BURHANPUR	JASONDI	21.22	76.41	5.0	5.00	11	No
1482	BURHANPUR	KHAMNI	21.21	76.27	10.0	10.00	11	No
1483	BURHANPUR	LALBAGH GRID	21.33	76.2	4.7	5.00	11	No
1484	BURHANPUR	MANJROD	21.41	76.63	10.0	10.00	11	No
1485	BURHANPUR	NIMANDAD	21.37	76.6	5.0	5.00	11	No
1486	BURHANPUR	RAIGAON	21.24	76.29	3.9	6.30	11	No
1487	BURHANPUR	SHEKHPURA	21.55	76.74	5.0	5.00	11	No
1488	BURHANPUR	SIRSODA	21.26	76.19	5.0	5.00	11	No
1489	BURHANPUR	TALAWADI	21.31	76.41	5.0	5.00	11	No
1490	SHAJAPUR	AKODIYA	23.38	76.6	4.0	5.00	11	No
1491	SHAJAPUR	ARNDIYA	23.21	76.67	4.6	5.00	11	No
1492	SHAJAPUR	ARNIYAKALAN	23.23	76.74	8.8	10.00	11	No
1493	SHAJAPUR	BAKAYAN	23.44	76.96	2.6	5.00	11	No
1494	SHAJAPUR	BERCHHA	23.29	76.34	7.8	10.00	11	No
1495	SHAJAPUR	CHAUMA(MB)	23.64	76.26	6.7	10.00	11	No
1496	SHAJAPUR	GHATTI	23.39	76.89	2.9	5.00	11	No
1497	SHAJAPUR	HEERPUR TEKA	23.48	76.3	5.0	10.00	11	No
1498	SHAJAPUR	JETHDA	23.34	76.72	5.5	8.15	11	No
1499	SHAJAPUR	KHAMKHEDA	23.52	76.59	1.3	6.30	11	No
1500	SHAJAPUR	KHARDONKALA	23.51	77.02	7.8	15.00	11	No
1501	SHAJAPUR	KHATSUR	23.27	76.59	3.6	5.00	11	No
1502	SHAJAPUR	KHERKHEDI	23.42	76.22	1.0	3.15	11	No
1503	SHAJAPUR	KHOKHARAKALA	23.43	76.95	5.0	8.15	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1504	SHAJAPUR	KILODA	23.51	76.51	1.9	3.15	11	No
1505	SHAJAPUR	MO.BADODIYA	23.61	76.34	5.0	5.00	11	No
1506	SHAJAPUR	MULLAKHEDI	23.37	76.32	5.0	5.00	11	No
1507	SHAJAPUR	NICHMA	23.45	76.4	2.8	10.00	11	No
1508	SHAJAPUR	OSANPURA	23.42	76.57	1.4	5.00	11	No
1509	SHAJAPUR	POLAIKHURD	23.31	76.56	2.9	8.15	11	No
1510	SHAJAPUR	RASULPUR	23.51	76.44	2.4	5.00	11	No
1511	SHAJAPUR	SALSALAI	23.47	76.53	8.9	15.00	11	No
1512	SHAJAPUR	SETKHEDI	23.33	76.33	2.1	3.15	11	No
1513	SHAJAPUR	SHUJALPUR MANDI	23.38	76.87	2.1	5.00	11	No
1514	SHAJAPUR	SUNDARSI	23.27	76.45	4.3	10.00	11	No
1515	KHANDWA	AHMEDPUR	21.86	76.3	4.2	5.00	11	No
1516	KHANDWA	ARUD	21.63	76.25	5.3	10.00	11	No
1517	KHANDWA	BORGAON	21.63	76.33	8.0	10.00	11	No
1518	KHANDWA	CHAMATI	21.77	76.24	3.2	5.00	11	No
1519	KHANDWA	CHHEGAON MAKHAN	21.83	76.22	5.9	15.00	11	No
1520	KHANDWA	DULHAR	21.72	76.26	8.7	10.00	11	No
1521	KHANDWA	GHATAKHEDI	21.59	76.19	3.9	6.30	11	No
1522	KHANDWA	JHUMER KHALI	22.01	76.79	5.2	10.00	11	No
1523	KHANDWA	KELWA	22.18	76.27	2.0	5.00	11	No
1524	KHANDWA	KUMTHI	21.67	76.3	3.3	5.00	11	No
1525	KHANDWA	PANDHANA VILL.	21.7	76.22	9.1	15.00	11	No
1526	KHANDWA	RICHFAL	22.19	76.3	2.4	5.00	11	No
1527	KHANDWA	SIRSOD	21.78	76.18	3.8	8.15	11	No
1528	KHANDWA	SULGAON	22.15	76.14	5.3	15.00	11	No
1529	UJJAIN	AKYA JAGIR	23.55	75.32	7.2	10.00	11	No
1530	UJJAIN	AKYALIMBA	23.53	75.7	4.5	10.00	11	No
1531	UJJAIN	ALOT JAGIR	23.38	75.5	8.2	13.15	11	No
1532	UJJAIN	ASADI	23.68	75.71	4.4	10.00	11	No
1533	UJJAIN	BADAGAON	23.35	75.39	9.1	15.00	11	No
1534	UJJAIN	BADKUMMED	23.14	75.88	6.1	8.15	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1535	UJJAIN	BAGHERA MOD	23.29	76.06	3.4	6.30	11	No
1536	UJJAIN	BARNAGAR	23.05	75.38	1.3	5.00	11	No
1537	UJJAIN	BASANT PALACE	23.45	75.44	3.7	5.00	11	No
1538	UJJAIN	BATLAWADI	23.46	75.22	9.2	15.00	11	No
1539	UJJAIN	BEDAWAN	23.38	75.55	4.7	6.30	11	No
1540	UJJAIN	BEHLOLA	23.45	75.25	1.9	5.00	11	No
1541	UJJAIN	BERCHHA	23.55	75.38	8.2	10.00	11	No
1542	UJJAIN	BHAGATPURI	23.46	75.38	0.6	3.15	11	No
1543	UJJAIN	BHATPACHLANA	23.26	75.29	6.9	10.00	11	No
1544	UJJAIN	BICHHROD	23.33	75.95	4.8	10.00	11	No
1545	UJJAIN	BORKHEDA BHALLA	23.33	75.66	2.0	8.15	11	No
1546	UJJAIN	CHAKOR PARK	23.18	75.82	0.7	5.00	11	No
1547	UJJAIN	CHANDESRA	23.11	75.86	5.2	10.00	11	No
1548	UJJAIN	CHANDUKHEDI	23.11	75.86	10.1	15.00	11	No
1549	UJJAIN	CHHEDAWAD	23.38	76.03	2.5	5.00	11	No
1550	UJJAIN	CHIKLI	23.15	75.6	11.2	15.00	11	No
1551	UJJAIN	CHIROLA	23.38	75.3	4.4	13.15	11	No
1552	UJJAIN	CHIROLAKALA	23.28	75.41	6.4	10.00	11	No
1553	UJJAIN	CHORWASA	23.45	75.69	5.2	10.00	11	No
1554	UJJAIN	DANGWADA	23.09	75.54	4.1	5.00	11	No
1555	UJJAIN	DEVRUNDI	23.2	75.35	7.4	10.00	11	No
1556	UJJAIN	DHABLA HARDU	23.5	75.9	3.3	8.15	11	No
1557	UJJAIN	DHABLAGORI	23.35	75.87	4.9	8.15	11	No
1558	UJJAIN	DHABLASIYA	23.62	75.66	3.7	8.15	11	No
1559	UJJAIN	DHABLIKAMMA	23.48	75.73	5.5	10.00	11	No
1560	UJJAIN	FATEHABAD	23.02	75.67	5.0	10.00	11	No
1561	UJJAIN	GHATIYA	23.38	75.86	4.4	8.15	11	No
1562	UJJAIN	GHINODA	23.38	75.5	11.6	15.00	11	No
1563	UJJAIN	GHONSLA	23.44	75.88	9.5	10.00	11	No
1564	UJJAIN	GOGAKHEDA	23.62	75.63	3.0	10.00	11	No
1565	UJJAIN	GURLA	23.3	75.54	4.8	8.15	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1566	UJJAIN	HATAI PALKI	23.41	75.49	4.3	5.00	11	No
1567	UJJAIN	INDOKH	23.78	75.79	5.1	10.00	11	No
1568	UJJAIN	INGORIYA	23.14	75.55	10.1	15.00	11	No
1569	UJJAIN	ITAWA	23.4	76.02	2.4	5.00	11	No
1570	UJJAIN	JAHAGIRPUR	23.21	75.52	9.7	10.00	11	No
1571	UJJAIN	KACHNARIYA	23.41	75.97	1.8	6.30	11	No
1572	UJJAIN	KADCHHA	23.11	75.92	4.6	8.15	11	No
1573	UJJAIN	KAITHA	23.23	76.03	7.3	10.00	11	No
1574	UJJAIN	KAMTHANA	23.31	75.28	4.8	8.15	11	No
1575	UJJAIN	KANASIYA	23.28	76.15	7.2	10.00	11	No
1576	UJJAIN	KANWAS	23.4	75.21	6.8	10.00	11	No
1577	UJJAIN	KAROHAN	23.06	75.78	4.4	5.00	11	No
1578	UJJAIN	KARTIKMELA	23.19	75.76	0.6	5.00	11	No
1579	UJJAIN	KATHBARODA	23.13	76.06	5.0	8.15	11	No
1580	UJJAIN	KHACHROD	23.44	75.28	5.6	10.00	11	No
1581	UJJAIN	KHAMLI	23.43	76	4.1	5.00	11	No
1582	UJJAIN	KHARSOD KALA	23.22	75.38	10.0	10.00	11	No
1583	UJJAIN	KHEDA KHAJURIYA	23.47	75.8	7.5	10.00	11	No
1584	UJJAIN	KHEDAMADDA	23.55	75.82	5.1	8.15	11	No
1585	UJJAIN	KHEDAWADA	23.21	75.28	6.9	10.00	11	No
1586	UJJAIN	KUNDIKHEDA	23.6	75.79	7.6	10.00	11	No
1587	UJJAIN	LEKODA	23.07	75.72	6.2	10.00	11	No
1588	UJJAIN	LOHANA	22.91	75.37	8.2	10.00	11	No
1589	UJJAIN	MADAWADA	23.35	75.28	12.2	15.00	11	No
1590	UJJAIN	MAHIDPUR	23.49	75.66	3.8	10.00	11	No
1591	UJJAIN	MAHIDPUR ROAD	23.56	75.5	6.4	15.00	11	No
1592	UJJAIN	MAHU MATRA	23.42	75.54	6.9	8.15	11	No
1593	UJJAIN	MAKDONE	23.5	76.07	10.0	10.00	11	No
1594	UJJAIN	MEHATWAS	23.44	75.41	4.7	5.00	11	No
1595	UJJAIN	MOHANPURA	23.18	75.72	3.2	8.15	11	No
1596	UJJAIN	MOKDI	23.58	75.34	6.8	8.15	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1597	UJJAIN	NAHARIYA	23.23	75.84	5.0	5.00	11	No
1598	UJJAIN	NAHARKHEDI	23.4	76.06	2.4	6.30	11	No
1599	UJJAIN	NAJARPUR	23.33	75.84	4.2	8.15	11	No
1600	UJJAIN	NANDED	23.48	76.05	4.0	5.00	11	No
1601	UJJAIN	NARAYANA	23.4	75.67	5.4	10.00	11	No
1602	UJJAIN	NARWAR	23.06	75.92	10.0	10.00	11	No
1603	UJJAIN	PALWA	23.15	75.42	8.3	15.00	11	No
1604	UJJAIN	PANTHIPLAI	23.05	75.82	7.7	10.00	11	No
1605	UJJAIN	PANVIHAR	23.32	75.77	9.9	15.00	11	No
1606	UJJAIN	PEERZHAR	23.03	75.46	7.9	10.00	11	No
1607	UJJAIN	PIPLIYA RAGHO	23.09	75.79	5.0	10.00	11	No
1608	UJJAIN	PIPLIYAHAMA	23.35	75.67	2.8	5.00	11	No
1609	UJJAIN	PIPLODA DWARK.	23.06	75.96	4.4	10.00	11	No
1610	UJJAIN	RALAYATA HEWAT	23.42	75.9	3.7	5.00	11	No
1611	UJJAIN	RAMDI	23.48	76.17	2.5	6.30	11	No
1612	UJJAIN	RAMGARH	23.24	75.74	3.2	5.00	11	No
1613	UJJAIN	RATADIYA	23.32	75.77	4.4	8.15	11	No
1614	UJJAIN	RUDAHEDA	23.29	75.92	3.6	8.15	11	No
1615	UJJAIN	RUDRAKHEDA	23.48	75.63	6.2	10.00	11	No
1616	UJJAIN	RUI	23.03	75.65	1.8	5.00	11	No
1617	UJJAIN	RUNJA	23.16	75.26	6.6	10.00	11	No
1618	UJJAIN	RUPAKHEDI	23.33	75.57	16.0	20.00	11	No
1619	UJJAIN	RUPETA	23.5	75.46	7.9	15.00	11	No
1620	UJJAIN	SEMLIYA	23.56	75.59	7.2	10.00	11	No
1621	UJJAIN	SIJAWATA	23.16	75.49	6.1	10.00	11	No
1622	UJJAIN	SUNDRABAD	23.14	75.31	7.0	13.15	11	No
1623	UJJAIN	SUWASA	23.56	75.57	6.4	8.15	11	No
1624	UJJAIN	TAJPUR	23.21	75.91	7.5	10.00	11	No
1625	UJJAIN	TAJPUR INDUSTRIAL	23.26	75.91	2.8	5.00	11	No
1626	UJJAIN	TARANA	23.32	76.05	6.4	10.00	11	No
1627	UJJAIN	UMARIYAKHALSA	23.08	75.67	6.0	8.15	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1628	UJJAIN	UNHEL	23.33	75.55	7.8	10.00	11	No
1629	UJJAIN	ZARDA	23.6	75.72	11.8	15.00	11	No
1630	UJJAIN	ZHOOTAWAD	23.63	75.58	7.7	10.00	11	No
1631	JHABUA	ALIRAJPUR	22.31	74.36	4.5	5.00	11	No
1632	JHABUA	AMBAJA	22.12	74.25	7.3	10.00	11	No
1633	JHABUA	AMBUA	74.25	74.43	7.6	10.00	11	No
1634	JHABUA	AMKHUNT	22.44	74.29	2.5	5.00	11	No
1635	JHABUA	BAMANIA	23.09	74.77	4.3	8.15	11	No
1636	JHABUA	BHABRA	22.53	74.33	7.9	10.00	11	No
1637	JHABUA	BORI	22.52	74.7	9.5	13.15	11	No
1638	JHABUA	JOBAT	22.42	74.56	10.0	10.00	11	No
1639	JHABUA	MEGHANAGAR	22.9	74.55	5.0	5.00	11	No
1640	JHABUA	MOHANKOT	22.92	74.76	5.0	5.00	11	No
1641	JHABUA	PARA	22.64	74.66	12.5	14.08	11	No
1642	JHABUA	RAIPURIA	22.95	74.83	12.1	20.00	11	No
1643	JHABUA	SEMLIYA	23.18	74.75	1.7	5.00	11	No
1644	JHABUA	WALPUR	22.15	74.42	8.1	8.15	11	No
1645	BARWANI	BHADGONE	21.69	74.62	5.4	10.00	11	No
1646	BARWANI	BHATKI	21.71	74.56	5.4	8.15	11	No
1647	BARWANI	BHAWATI	22.05	74.76	3.2	5.00	11	No
1648	BARWANI	BOKRATA	21.86	74.63	2.1	6.30	11	No
1649	BARWANI	CHACHRIYA	21.58	75.33	6.6	10.00	11	No
1650	BARWANI	CHURCH GRID	21.67	75.09	1.8	3.15	11	No
1651	BARWANI	DONDWADA	21.64	74.75	7.2	10.00	11	No
1652	BARWANI	EKLARA	22.05	74.9	2.6	5.00	11	No
1653	BARWANI	JAINPIPE	21.71	75.11	4.5	8.15	11	No
1654	BARWANI	JULWANIYA	21.87	75.21	6.5	10.00	11	No
1655	BARWANI	KALYANPURA	22.04	74.87	4.0	5.00	11	No
1656	BARWANI	KANPURI	21.64	74.76	2.6	5.00	11	No
1657	BARWANI	MANDWADA	22.05	75.13	4.5	5.00	11	No
1658	BARWANI	MATLI	21.82	75.02	1.2	5.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1659	BARWANI	MENIMATA	21.82	74.89	3.7	5.00	11	No
1660	BARWANI	NAGALWADI	21.78	75.25	5.5	8.15	11	No
1661	BARWANI	NARAWALA	21.91	75.11	4.9	8.15	11	No
1662	BARWANI	NIWALI	21.68	74.93	5.7	10.00	11	No
1663	BARWANI	PALSOOD	21.83	74.96	6.8	10.00	11	No
1664	BARWANI	PATI	21.94	74.75	7.9	10.00	11	No
1665	BARWANI	RAJPUR	21.95	75.13	8.1	10.00	11	No
1666	BARWANI	RELWA	21.94	75.26	5.0	5.00	11	No
1667	BARWANI	WAZAR	21.73	74.92	4.0	5.00	11	No
1668	DEWAS(O&M)	AALRI	23.2218° N	76.1494° E	1.8	5.00	11	No
1669	DEWAS(O&M)	ANABAD	23.0632° N	76.3348° E	5.4	8.15	11	No
1670	DEWAS(O&M)	BABAI	22.9338° N	76.3232° E	3.2	8.15	11	No
1671	DEWAS(O&M)	BADIYAMANDU	22.8425° N	76.4729° E	5.9	10.00	11	No
1672	DEWAS(O&M)	BAIRAGARH	23.00409° N	75.95149° E	6.9	10.00	11	No
1673	DEWAS(O&M)	BALONE	23.2153° N	76.3724° E	1.9	8.15	11	No
1674	DEWAS(O&M)	BIJWAD	22.72533	76.57908	5.8	13.15	11	No
1675	DEWAS(O&M)	CHOBARA-DHIRA	23.1297° N	76.5286° E	4.9	5.00	11	No
1676	DEWAS(O&M)	CHOUBARA JAGIR	22.9329° N	76.4176° E	7.9	10.00	11	No
1677	DEWAS(O&M)	DATTOTAR	23.273767° N	75.96493° E	4.2	10.00	11	No
1678	DEWAS(O&M)	DEOGARH	22.8425° N	76.4729° E	6.4	10.00	11	No
1679	DEWAS(O&M)	DEOLI	23.1051° N	76.2721° E	5.0	5.00	11	No
1680	DEWAS(O&M)	DHERIYA	22.658949	76.746306	2.2	5.00	11	No
1681	DEWAS(O&M)	DOUBLE CHOWKI	22.70149° N	76.12984° E	7.7	10.00	11	No
1682	DEWAS(O&M)	EKLERA	23.1462° N	76.3913° E	11.7	15.00	11	No
1683	DEWAS(O&M)	GURADIYAKALA	22.7075° N	76.3218° E	1.4	5.00	11	No
1684	DEWAS(O&M)	HARANGAON	22.75839	76.96687	5.4	10.00	11	No
1685	DEWAS(O&M)	JAMGOD	22.97124° N	76.15448° E	4.4	10.00	11	No
1686	DEWAS(O&M)	JAMUNIYA	22.8848° N	76.0653° E	5.0	5.00	11	No
1687	DEWAS(O&M)	KAILOD	22.84958° N	76.10235° E	3.4	5.00	11	No
1688	DEWAS(O&M)	KALMA	23.0829° N	76.1610° E	4.8	8.15	11	No
1689	DEWAS(O&M)	KANTAPHOD	22.42988	76.68207	11.6	18.15	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1690	DEWAS(O&M)	KHERIYA	23.0661° N	76.4013° E	7.3	10.00	11	No
1691	DEWAS(O&M)	KHUTKHEDA	23.111044° N	76.46431° E	4.9	5.00	11	No
1692	DEWAS(O&M)	KOLARI	22.59286	76.90704	7.1	13.15	11	No
1693	DEWAS(O&M)	KOOPGAON	22.6652° N	76.3550° E	2.8	5.00	11	No
1694	DEWAS(O&M)	KSHIPRA	22.91363° N	75.99361° E	4.2	10.00	11	No
1695	DEWAS(O&M)	LAKUMDI	23.1697° N	76.4852° E	4.2	5.00	11	No
1696	DEWAS(O&M)	MANGROLA	23.16951° N	75.98971° E	8.0	10.00	11	No
1697	DEWAS(O&M)	MATMORE	22.7826° N	76.4303° E	2.3	8.15	11	No
1698	DEWAS(O&M)	MENDKI DHAKAD	23.0334° N	76.07417° E	5.0	5.00	11	No
1699	DEWAS(O&M)	NAGJHIRI	22.89565° N	76.02737° E	1.9	3.15	11	No
1700	DEWAS(O&M)	NEMAWER	22.49762	76.98038	9.3	10.00	11	No
1701	DEWAS(O&M)	New Dewas	22.96737 E	76.06020 N	2.7	5.00	11	No
1702	DEWAS(O&M)	PALASI	22.58113	76.55353	3.5	5.00	11	No
1703	DEWAS(O&M)	PATADI	22.80585° N	76.16808° E	2.0	5.00	11	No
1704	DEWAS(O&M)	PHAWDA	22.9690° N	76.2914° E	3.1	3.15	11	No
1705	DEWAS(O&M)	PIPALIYA SADAK	23.1794° N	76.1540° E	6.0	10.00	11	No
1706	DEWAS(O&M)	PIPALKOTA	22.53617	76.68445	4.9	10.00	11	No
1707	DEWAS(O&M)	PIPLIYA GHAGARIYA	22.49762	76.98038	3.3	5.00	11	No
1708	DEWAS(O&M)	SANNOD	22.78854° N	76.125° E	7.3	10.00	11	No
1709	DEWAS(O&M)	SANWARS	23.0307° N	76.2305° E	5.1	10.00	11	No
1710	DEWAS(O&M)	SATTALAI	22.49762	76.98038	2.8	5.00	11	No
1711	DEWAS(O&M)	SINDHNI-BODANI	23.0575° N	76.01834° E	3.6	5.00	11	No
1712	DEWAS(O&M)	SIROLIYA	22.87507° N	76.13795° E	9.2	15.00	11	No
1713	DEWAS(O&M)	SIYA	23.01685° N	76.10822° E	3.3	10.00	11	No
1714	DEWAS(O&M)	SONKATCH	22.9729° N	76.3469° E	4.9	18.15	11	No
1715	DEWAS(O&M)	TIGRIYA GOGA	22.84286° N	76.04943° E	5.4	10.00	11	No
1716	DEWAS(O&M)	TONKKALA	23.1041° N	76.1378° E	7.9	10.00	11	No
1717	DEWAS(O&M)	V.G.MANDI	23.21863° N	75.95397° E	8.3	10.00	11	No
1718	DHAR	AHU	22.67	75.22	5.5	10.00	11	No
1719	DHAR	AMZERA	22.58	74.99	9.4	10.00	11	No
1720	DHAR	BADNAWAR	23.02	75.24	4.8	10.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1721	DHAR	BAGDI	22.48	75.43	15.0	15.00	11	No
1722	DHAR	BAGH	22.35	74.81	10.0	10.00	11	No
1723	DHAR	BARMANDAL	22.68	75.14	4.9	10.00	11	No
1724	DHAR	BHANGARTH	22.63	74.97	5.8	10.00	11	No
1725	DHAR	BHATBAMANDA	22.89	75.31	2.9	8.15	11	No
1726	DHAR	BHAWARIYA	22.19	74.81	1.7	3.15	11	No
1727	DHAR	BILDA	22.21	75.07	5.1	10.00	11	No
1728	DHAR	BOLA	22.73	75.13	6.3	10.00	11	No
1729	DHAR	BORALI	22.95	75.26	9.9	15.00	11	No
1730	DHAR	CHHAYAN	23.02	75.14	7.4	15.00	11	No
1731	DHAR	CHILUR	22.63	75.19	1.1	5.00	11	No
1732	DHAR	DASAI	22.73	74.85	8.4	10.00	11	No
1733	DHAR	DATTIGAON	22.68	74.9	7.3	13.15	11	No
1734	DHAR	DEDLA	22.55	75.38	9.7	10.00	11	No
1735	DHAR	DEHRI	22.26	74.61	5.7	8.15	11	No
1736	DHAR	DIGTHAN	22.57	75.49	8.3	10.00	11	No
1737	DHAR	DOTRIYA	23.04	75.06	2.2	5.00	11	No
1738	DHAR	GAHALGOAN	22.21	74.91	2.4	5.00	11	No
1739	DHAR	GANDHWANI	22.24	75.05	10.0	10.00	11	No
1740	DHAR	GHANA	22.21	74.91	3.9	5.00	11	No
1741	DHAR	GULATI	22.41	75.07	2.7	5.00	11	No
1742	DHAR	HAJRATPUR	22.72	75.43	4.8	5.00	11	No
1743	DHAR	HANUMANTIYA	23	75.16	3.1	3.15	11	No
1744	DHAR	HARSORA	22.72	75.43	8.6	10.00	11	No
1745	DHAR	HATOD	22.86	75.02	2.5	8.15	11	No
1746	DHAR	JEERABAD	22.21	75	10.0	10.00	11	No
1747	DHAR	JETPURA	22.62	75.33	2.0	5.00	11	No
1748	DHAR	JHAPADI	22.24	75.33	3.9	5.00	11	No
1749	DHAR	KACHHIBARODA	23.11	75.26	4.6	10.00	11	No
1750	DHAR	KARODKALA	22.78	75.22	6.1	10.00	11	No
1751	DHAR	KALIKADEVI	22.6	75.27	8.3	10.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1752	DHAR	KANWAN	22.88	75.25	7.2	15.00	11	No
1753	DHAR	KAROLI	22.35	75.14	4.5	5.00	11	No
1754	DHAR	KHEROD	22.75	75.36	4.4	5.00	11	No
1755	DHAR	KHUTPALA	22.68	75.08	3.2	5.00	11	No
1756	DHAR	KOD	22.89	75.17	5.0	5.00	11	No
1757	DHAR	KUNJROD	22.51	75.54	10.0	10.00	11	No
1758	DHAR	LEDGAON	22.94	75.06	5.6	10.00	11	No
1759	DHAR	MANDAV	22.36	75.4	4.4	5.00	11	No
1760	DHAR	MOGRA	22.12	74.92	8.0	10.00	11	No
1761	DHAR	MULTHAN	23.07	75.23	7.8	10.00	11	No
1762	DHAR	NALCHHA	22.42	75.42	5.0	5.00	11	No
1763	DHAR	NEW TIRLA	22.94	75.06	1.6	5.00	11	No
1764	DHAR	PACHLANA	22.69	75.27	5.0	5.00	11	No
1765	DHAR	PANDA	22.77	75.17	2.9	5.00	11	No
1766	DHAR	RAJGARH EHV S/S	22.6	74.93	2.5	5.00	11	No
1767	DHAR	RANGAON	22.18	74.76	7.6	10.00	11	No
1768	DHAR	SAWLAKHEDI	22.2	74.96	2.0	5.00	11	No
1769	DHAR	SUNARKHEDI	22.64	75.33	2.5	5.00	11	No
1770	DHAR	TEESGAON	22.7	75.31	10.4	15.00	11	No
1771	DHAR	TIRLA	22.57	75.23	2.9	10.00	11	No
1772	RATLAM	BHEEM	23.72	75.65	3.0	5.00	11	No
1773	RATLAM	BHUTIYA	23.74	75.44	5.1	8.15	11	No
1774	RATLAM	LASUDIYA SURAJMAL	23.63	75.36	6.4	8.15	11	No
1775	RATLAM	MALAKHEDA	23.69	75.45	7.2	10.00	11	No
1776	RATLAM	MUNDLA KALA	23.71	75.34	5.0	5.00	11	No
1777	RATLAM	AKYA DEH	23.65	75.06	4.4	5.00	11	No
1778	RATLAM	AYANA	23.62	75.06	6.6	10.00	11	No
1779	RATLAM	BADAWADA	23.55	75.25	9.8	10.00	11	No
1780	RATLAM	DHODHAR	23.78	75.1	10.7	15.00	11	No
1781	RATLAM	HATNARA	23.53	74.98	5.7	10.00	11	No
1782	RATLAM	JAORA T	23.63	75.12	1.2	10.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1783	RATLAM	KALUKHEDA	23.73	75.04	12.5	15.00	11	No
1784	RATLAM	MANDVI	23.61	75.41	8.8	10.00	11	No
1785	RATLAM	SHERPUR	23.56	74.91	7.4	10.00	11	No
1786	RATLAM	SUKHEDA	23.68	74.96	11.1	15.00	11	No
1787	RATLAM	GANGA SAGAR	23.36	75.03	5.9	10.00	11	No
1788	RATLAM	MHOW ROAD	23.32	75.06	1.0	5.00	11	No
1789	RATLAM	TRIVENI	23.3	75.02	4.1	5.00	11	No
1790	RATLAM	BADNARA	23.22	75.2	2.5	5.00	11	No
1791	RATLAM	BANGROD	23.4	75.11	7.1	10.00	11	No
1792	RATLAM	BARBODNA	23.47	75.15	7.7	8.15	11	No
1793	RATLAM	BERDA	23.44	74.72	2.5	5.00	11	No
1794	RATLAM	BILPANK	23.23	75.14	12.0	15.00	11	No
1795	RATLAM	DELANPUR	23.41	75	2.8	5.00	11	No
1796	RATLAM	DHIKWA	23.22	75.21	2.4	5.00	11	No
1797	RATLAM	KAMED	23.28	75.29	6.2	10.00	11	No
1798	RATLAM	KANDERWASA	23.49	75.06	6.8	10.00	11	No
1799	RATLAM	KARIYA	23.49	74.91	2.9	5.00	11	No
1800	RATLAM	KOTDA	23.45	74.9	4.4	5.00	11	No
1801	RATLAM	LUNERA	23.31	75.22	3.6	5.00	11	No
1802	RATLAM	MUNDRI	23.21	75.04	8.1	10.00	11	No
1803	RATLAM	NAMLI	23.45	75.06	8.6	15.00	11	No
1804	RATLAM	RANISINGH	23.17	74.93	0.6	3.15	11	No
1805	RATLAM	SAILANA	23.46	74.94	9.1	15.00	11	No
1806	RATLAM	SIMLAWDA	23.12	75.21	9.6	10.00	11	No
1807	INDORE O&M	AGRA	22.82	75.65	6.5	10.00	11	No
1808	INDORE O&M	ALWASA	22.82	75.84	1.2	5.00	11	No
1809	INDORE O&M	BHILBADOLI	22.98	75.58	1.7	5.00	11	No
1810	INDORE O&M	BORIYA BORSI	22.73	75.7	3.8	10.00	11	No
1811	INDORE O&M	DEPALPUR	22.84	75.56	5.2	10.00	11	No
1812	INDORE O&M	FARKODA	22.93	75.53	5.4	10.00	11	No
1813	INDORE O&M	GANDHINAGAR	22.74	75.86	5.2	10.00	11	No

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1814	INDORE O&M	GAUTAMPURA	22.98	75.52	6.2	10.00	11	No
1815	INDORE O&M	GOKALPUR	22.91	75.54	5.9	10.00	11	No
1816	INDORE O&M	KALMER	22.79	75.46	2.1	5.00	11	No
1817	INDORE O&M	MOORKHEDA	22.83	75.6	3.0	5.00	11	No
1818	INDORE O&M	NAHAR KHEDA	22.89	75.74	3.4	10.00	11	No
1819	INDORE O&M	PALIYA	22.83	75.79	7.2	10.00	11	No
1820	INDORE O&M	RATAN KHEDI	22.88	75.71	2.4	5.00	11	No
1821	INDORE O&M	SUMTHA	22.85	75.65	5.5	10.00	11	No
1822	INDORE O&M	Semda	22.85	75.45	3.5	5.00	11	No
1823	INDORE O&M	BAGDOON	22.64	75.6	3.3	5.00	11	No
1824	INDORE O&M	BETMA	22.68	75.61	8.0	10.00	11	No
1825	INDORE O&M	CHHOTA BETMA	22.68	75.65	5.5	10.00	11	No
1826	INDORE O&M	GOHAN	22.76	75.64	8.0	10.00	11	No
1827	INDORE O&M	KUWARSI	22.55	75.56	6.8	10.00	11	No
1828	INDORE O&M	ROLAI	22.73	75.65	3.7	5.00	11	No
1829	INDORE O&M	SEJWAYA	22.67	75.49	8.9	10.00	11	No
1830	INDORE O&M	AMBACHANDAN	22.54	75.63	3.5	5.00	11	No
1831	INDORE O&M	AVLAI	22.52	75.61	3.1	5.00	11	No
1832	INDORE O&M	BADGONDA	22.47	75.74	8.6	10.00	11	No
1833	INDORE O&M	CHORAL	22.45	75.95	5.5	10.00	11	No
1834	INDORE O&M	DATODA	22.59	75.89	6.6	10.00	11	No
1835	INDORE O&M	DHAMNOD	22.21	75.47	4.0	10.00	11	No
1836	INDORE O&M	DHARAMPURI (MHOW)	22.86	75.85	7.1	10.00	11	No
1837	INDORE O&M	HARIFATAK	22.57	75.77	1.3	5.00	11	No
1838	INDORE O&M	HARSOLA	22.26	75.81	8.2	10.00	11	No
1839	INDORE O&M	HASALPUR	22.5	75.63	4.0	10.00	11	No
1840	INDORE O&M	KAMADPUR	22.52	75.63	6.9	15.00	11	No
1841	INDORE O&M	PANDA	22.61	75.8	1.2	5.00	11	No
1842	INDORE O&M	SIMROL	22.52	75.92	4.7	10.00	11	No
1843	INDORE O&M	TIHI	22.6	75.17	1.4	5.00	11	No

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SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1844	INDORE O&M	AJNOD	22.94	75.75	6.4	15.00	11	No
1845	INDORE O&M	BALARIYA	23.01	75.74	3.5	10.00	11	No
1846	INDORE O&M	BHONDWAS	22.83	76.03	4.0	10.00	11	No
1847	INDORE O&M	KACHALIYA	22.93	75.73	7.1	10.00	11	No
1848	INDORE O&M	KAMPEL	22.62	76.04	6.6	10.00	11	No
1849	INDORE O&M	KANADIYA	22.74	75.97	5.2	10.00	11	No
1850	INDORE O&M	NAGPUR FATA	22.96	75.78	2.6	10.00	11	No
1851	INDORE O&M	PEDMI	22.61	76.08	3.5	5.00	11	No
1852	INDORE O&M	RANGWASA (INDORE)	22.65	75.79	4.7	5.00	11	No
1853	INDORE O&M	SEMLIYA CHAU	22.76	76.06	5.4	10.00	11	No
1854	KHARGONE	BADUD	22.15	76.01	6.5	13.15	11	No
1855	KHARGONE	BAGOD	22.32	75.88	7.6	10.00	11	No
1856	KHARGONE	BALWADA	22.41	75.97	6.4	15.00	11	No
1857	KHARGONE	Bamandi	22.07	75.53	4.4	5.00	11	No
1858	KHARGONE	Bamnala	21.81	75.85	5.0	15.00	11	No
1859	KHARGONE	BANGARDA	22.1	76.18	3.0	5.00	11	No
1860	KHARGONE	Barud	21.75	75.54	5.7	10.00	11	No
1861	KHARGONE	BEDIYA	22.09	75.94	5.2	10.00	11	No
1862	KHARGONE	Behgone	22.21	75.81	1.5	3.15	11	No
1863	KHARGONE	Bhampura	22.2	75.9	2.5	5.00	11	No
1864	KHARGONE	Bhoinda	22.12	75.38	3.0	5.00	11	No
1865	KHARGONE	Borawa	22.03	75.65	3.5	10.00	11	No
1866	KHARGONE	Chainpur	21.72	75.99	2.2	3.15	11	No
1867	KHARGONE	Damkheda	21.84	75.58	0.8	5.00	11	No
1868	KHARGONE	Devla	21.94	75.89	2.5	5.00	11	No
1869	KHARGONE	DHAKALGAON	22.11	76.06	4.7	10.00	11	No
1870	KHARGONE	Dhanwa	21.69	76	4.5	10.00	11	No
1871	KHARGONE	Dhargaon	22.2	75.73	8.1	10.00	11	No
1872	KHARGONE	GHANGLA	22.38	76.1	1.5	5.00	11	No
1873	KHARGONE	JETHWAY	22.29	75.94	2.1	3.15	11	No
1874	KHARGONE	Kadwali	21.6	75.66	3.2	5.00	11	No

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1875	KHARGONE	KANAPUR	22.12	75.86	4.9	10.00	11	No
1876	KHARGONE	Kasrawad Road Khargone	21.83	75.6	1.2	5.00	11	No
1877	KHARGONE	KHANGWADA	22.16	76.12	3.9	10.00	11	No
1878	KHARGONE	KHODI	22.3	76	4.8	10.00	11	No
1879	KHARGONE	Lepa	22.12	75.69	3.0	5.00	11	No
1880	KHARGONE	Maheshwar T	22.18	75.59	2.2	3.15	11	No
1881	KHARGONE	Makadkheda	22.16	75.65	1.3	3.15	11	No
1882	KHARGONE	Maltar	21.99	75.43	3.2	5.00	11	No
1883	KHARGONE	Mengaon	21.89	75.6	4.5	10.00	11	No
1884	KHARGONE	MOGAWA	22.16	75.94	2.8	5.00	11	No
1885	KHARGONE	Mohamdpur	21.89	75.75	1.4	5.00	11	No
1886	KHARGONE	MOTAPURA	21.94	75.45	1.2	5.00	11	No
1887	KHARGONE	Multhan	22.02	75.75	4.9	10.00	11	No
1888	KHARGONE	Nagziri	21.79	75.68	3.7	10.00	11	No
1889	KHARGONE	Nandgaon Road	21.82	75.52	3.0	10.00	11	No
1890	KHARGONE	Oon	21.83	75.46	3.7	10.00	11	No
1891	KHARGONE	Pipliya	22.23	75.86	7.1	15.00	11	No
1892	KHARGONE	POKHER	21.93	76	2.5	5.00	11	No
1893	KHARGONE	Premnagar	21.85	75.65	3.0	10.00	11	No
1894	KHARGONE	RODIYA	22.02	75.9	2.7	10.00	11	No
1895	KHARGONE	Sagur	21.86	75.82	4.3	5.00	11	No
1896	KHARGONE	Satwada	21.76	75.87	3.4	10.00	11	No
1897	KHARGONE	Sayata	22.14	75.6	2.6	5.00	11	No
1898	KHARGONE	Segaon	21.86	75.33	4.9	10.00	11	No
1899	KHARGONE	SERVER DEVLA	21.66	75.74	4.7	10.00	11	No
1900	KHARGONE	Shakargaon	21.89	75.9	2.9	5.00	11	No
1901	KHARGONE	SILOTIYA	21.73	75.47	2.5	5.00	11	No
1902	KHARGONE	Surwa	21.85	75.89	1.6	5.00	11	No
1903	KHARGONE	THARWAR	22.41	76.05	3.8	10.00	11	No
1904	KHARGONE	Thibgaon	21.89	75.7	4.0	5.00	11	No

SS ID No.	NAME OF CIRCLE	NAME OF SUBSTATION	LATITUDE OF S/S	LONGITUDE OF S/S	NCFA(M W)	PROJECT CAPACITY (MW)	DELIVERY POINT (kV)	Bay availability
1905	KHARGONE	TOKSAR	22.19	75.98	2.9	5.00	11	No
1906	MANDSAUR	BABULDA	24.49	75.69	3.8	5.00	11	No
1907	MANDSAUR	BHAN PURA	24.51	75.74	4.6	10.00	11	No
1908	MANDSAUR	BHAVGARH	23.84	74.92	6.4	8.15	11	No
1909	MANDSAUR	BHENSODA MANDI	24.45	75.84	6.1	10.00	11	No
1910	MANDSAUR	BISHNIYA	24.12	75.38	6.9	10.00	11	No
1911	MANDSAUR	DHALPAT	24.09	75.62	5.3	10.00	11	No
1912	MANDSAUR	DHAMNAR	23.92	75.14	9.5	10.00	11	No
1913	MANDSAUR	GAROTH	24.33	75.65	5.6	8.15	11	No
1914	MANDSAUR	JODMA	24.37	75.68	3.2	8.15	11	No
1915	MANDSAUR	KYAMPUR	24.13	75.31	10.0	10.00	11	No
1916	MANDSAUR	MEL KHEDA	24.22	75.57	4.9	10.00	11	No
1917	MANDSAUR	PARASALI	24.15	75.72	2.1	8.15	11	No
1918	MANDSAUR	PAWATI	24.29	75.7	2.2	5.00	11	No
1919	MANDSAUR	PIPLIYA VISHNIYA	24.31	75.02	1.5	10.00	11	No
1920	MANDSAUR	RAHIMGARH	24.07	75.5	9.5	13.15	11	No
1921	MANDSAUR	RANAYARA	24.18	75.33	4.5	5.00	11	No
1922	MANDSAUR	RUNIJA	24.08	75.74	5.6	10.00	11	No
1923	MANDSAUR	SANDHARA	24.57	75.87	7.5	15.00	11	No
1924	MANDSAUR	SHAM GARH	24.18	75.64	3.2	10.00	11	No
1925	MANDSAUR	SUWASARA	24.07	75.66	3.8	10.00	11	No
1926	MANDSAUR	TARNOD	24.03	75.69	3.0	10.00	11	No

ANNEXURE – 2 – Model PPA

STANDARD

POWER PURCHASE AGREEMENT FOR

PROCUREMENT OF MW ____ POWER ON LONG TERM

BASIS

Between

[Name of Renewable Power Generator]

And

Madhya Pradesh Power Management Company Limited

[month and year]

This Power Purchase Agreement is made on the ___ day of _____ of _____ at _____

Between

_____ [name of the Renewable Power Generator], _____, [details of Renewable Power Generator] (hereinafter referred to as "**Renewable Power Generator or RPG**", which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns) as a Party of the **First Part**;

And

Madhya Pradesh Power Management Company Limited, a company incorporated under the Companies Act 1956, having its registered office at _____ (hereinafter referred to as "**PROCURER**", which expression shall, unless repugnant to the context or meaning thereof, be deemed to include its successors and assignees) as a Party of the **Second Part**;

The RPG and PROCURER are individually referred to as 'Party' and collectively referred to as 'Parties'.

WHEREAS:

- A. The Ministry of New and Renewable Energy [MNRE] has launched PM KUSUM scheme for farmers on 8th March 2019 and issued implementation guidelines subsequently;
- B. MNRE issued comprehensive guidelines for feeder level solarization under KUSUM-C scheme on 17 January 2024;
- C. As per MNRE guidelines for feeder level solarization under component-C of PM KUSUM scheme, Government of India (GoI) shall provide subsidy in the form of central financial assistance (CFA) for projects meant for feeder level solarization (FLS) of agricultural feeders. The details of CFA is provided at Article 9 of this PPA;
- D. Tariff for projects set up under feeder level solarization has been arrived at after factoring in the GoI subsidy from total project cost;
- E. The MNRE has accorded a sanction and allotted solarization of _____ pumps through feeder level solarization to Madhya Pradesh Urja Vikas Nigam Limited for under the said scheme on _____.20__, _____.20__ and _____.20__.
- F. Government of Madhya Pradesh has sanctioned 'Surya Mitra Krishi Feeders Yojana', with feeder solarization component of PM KUSUM-C scheme, wherein agricultural feeders of the state have to be solarized using the component-C of PM KUSUM scheme, Government of India (GoI), as also without it.
- G. Madhya Pradesh Urja Vikas Nigam Limited had initiated a selection process for procurement of _____ MW of the power generated from the Grid Connected _____ Power Project on the terms and conditions contained in the RFP No. _____ dated _____.

- H. The RPG has been selected in the Process for development, generation and supply of electricity from the ____MW _____ Power Project to be established by RPG at [location of proposed power plant] and electricity generated to be fed at ____ kV bus of ____ the ____ [Name and location of ____ kV substation];
- I. Out of the total capacity of ____MW of the project, the RPG has claimed QCFA of ____MW in the RfP document;
- J. Madhya Pradesh Urja Vikas Nigam Limited has issued the Letter of Award No. _____ dated in favour of the RPG for development and establishment of the ____MW _____ Power Project as per the terms and conditions contained in the RFP and the Standard Operating Procedure (SOP) for implementation of the scheme in Madhya Pradesh.
- K. The RPG has furnished the Performance Bank Guarantee(s) in the sum of Rs _____ in favour of PROCURER as per the format prescribed by the PROCURER.
- L. The RPG has fulfilled the terms and conditions for signing this Power Purchase Agreement as a definitive agreement for establishing the ____ Power Project of ____MW at _____, for generation and sale of electricity by the RPG to PROCURER at ____ kV S/ S;
- M. The parties have agreed to execute this Power Purchase Agreement in terms of the EoI/ RfS and the Letter of Award in regard to the terms and conditions for establishment of the ____ Power Project at, and for generation and supply of electricity by the RPG to PROCURER.

Now therefore, in consideration of the premises and mutual agreements, covenants and conditions set forth herein, it is hereby agreed by and between the Parties as follows:

ARTICLE 1: DEFINITIONS AND INTERPRETATION

1.1 Definitions

The terms used in this Agreement, unless as defined below or repugnant to the context, shall have the same meaning as assigned to them by the Electricity Act, 2003 and the rules or regulations framed there under, including those issued/ framed by the Appropriate Commission (as defined hereunder), as amended or re-enacted from time to time.

"Act" or "Electricity Act, 2003"	shall mean the Electricity Act, 2003 and include any modifications, amendments and substitution from time to time;
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"Adjusted Equity"	<p>shall mean equity funded in INR and adjusted on the 1st (first) Day of the current month (the Reference Date), in the manner set forth below, to reflect the changes in its value on account of depreciation and variations in WPI, and for any Reference Date occurring between 1st (first) Day of the Month in which the Financial Close is achieved and the Reference Date:</p> <ol style="list-style-type: none"> on or before COD, the Adjusted Equity shall be a sum equal to the Equity funded in INR and expended on the Project, revised to the extent of one half of the variation in WPI occurring between 1st (first) Day of the Month in which the Financial Close is achieved and the Reference Date; an amount equal to the Adjusted Equity as on the COD shall be deemed to be base Adjusted Equity (Base Adjusted Equity); and after the COD, the Adjusted Equity hereunder shall be a sum equal to the Base Adjusted Equity, reduced by 0.333% (zero point three three three percent) thereof at the commencement of each Month following the COD and the amount so arrived at shall be revised to the extent of variation in WPI occurring between the COD and the Reference Date; <p>For the avoidance of doubt, the Adjusted Equity shall, in the event of termination, be computed as on the reference Date immediately preceding the Transfer Date; provided that no reduction in Adjusted Equity shall be made for a period equal to the duration, if any, for which the term of PPA is extended, but the revision on account of WPI shall continue to be made.</p>
"Agreement" or "Power Purchase Agreement" or "PPA"	shall mean this Power Purchase Agreement including its recitals and Schedules, amended or modified from time to time in accordance with the terms hereof;
"Appropriate Commission"	Unless otherwise stated, Appropriate Commission shall be Madhya Pradesh Electricity Regulatory Commission;
"Bill Dispute Notice"	shall mean the notice issued by a Party raising a Dispute regarding a Monthly Bill or a Supplementary Bill issued by the other Party;
"Business Day"	shall mean with respect to RPG and PROCURER, a day other than Sunday or a statutory holiday, on which the banks remain open for business in the State;
"Capacity Utilisation Factor" or "CUF"	<p>shall have the same meaning as provided in CERC (Terms and Conditions for Tariff determination from Renewable Energy Sources) Regulations, 2009 as amended from time to time; However for avoidance of any doubt, it is clarified that the CUF shall be calculated on the Contracted Capacity;</p> <p>In any month of the Contract Year, if 'X' MWh of energy has been metered out at the Delivery Point for 'Y' MW Project capacity, $CUF = (X \text{ MWh} / (Y \text{ MW} * 24 * \text{number of days in the month under consideration for CUF determination})) * 100\%$;</p>
Central Financial Assistance (CFA)	<p>shall be governed by relevant and applicable Subsidy provisions of Govt. of India and its guidelines valid at the time of bid submission date.</p> <p>Details of it is provided at Article 9 of PPA .</p>

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

"Change in Law"	shall have the meaning ascribed thereto in Article 12 of this Agreement;
"Commercial Operation Date (COD)"	shall mean the date on which the commissioning certificate is issued upon successful commissioning (as per provisions of this Agreement) of the project;
"Competent Court of Law"	shall mean any court or tribunal or any similar judicial or quasi- judicial body in India that has jurisdiction to adjudicate upon issues relating to this Agreement;
"Consents, Clearances and	shall mean all authorizations, licenses, approvals, registrations, permits, waivers,
"Permits"	privileges, acknowledgements, agreements, or concessions required to be obtained from or provided by any concerned authority for the purpose of setting up of the generation facilities and/ or supply of power;
"Consultation Period"	shall mean the period of ninety (90) days or such other longer period as the Parties may agree, commencing from the date of issuance of a RPG Preliminary Default Notice or PROCURER Preliminary Default Notice as provided in Article 13 of this Agreement, for consultation between the Parties to mitigate the consequence of the relevant event having regard to all the circumstances;
"Contract Year"	shall mean the period beginning from the Effective Date and ending on the immediately succeeding March 31 and thereafter each period of 12 months beginning on April 1 and ending on March 31 provided that: <ul style="list-style-type: none"> (i) in the financial year in which the COD would occur, the Contract Year shall end on the date immediately before the COD and a new Contract Year shall commence once again from the COD and end on the immediately succeeding March 31, and thereafter each period of twelve (12) months commencing on April 1 and ending on March 31, and (ii) provided further that the last Contract Year of this Agreement shall end on the last day of the Term of this Agreement
"Contracted Capacity"	shall mean [Insert capacity] MW contracted with PROCURER for supply by the RPG to PROCURER at the Delivery Point from the Power Project;
"Day"	shall mean a 24 (twenty four) hour period beginning at 00:00 hours Indian Standard Time and ending at 23:59:59 hours Indian Standard Time;

<p>“Debt Due”</p>	<p>shall mean the aggregate of the following sums expressed in INR outstanding on the Transfer Date:</p> <ul style="list-style-type: none"> a) the principal amount of the Financial Assistance provided by the Lender under the Financing Agreement as evidenced in accordance with provisions of this PPA, together with any increase approved by the Procurer in accordance with provisions of this PPA, for financing the Total Project Cost (the principal) but excluding any part of the principal that had fallen due for repayment 2 (two) or more years prior to the Transfer Date; b) all accrued interest, financing fees and charges under Financing Agreement on, or in respect of, the debt referred to in the above until the Transfer Date, but excluding: (i) any interest fees or charges that had fallen due 1 (one) year prior to Transfer Date; (ii) any penal interest or charges payable under the Financing Agreement to any Lender; (iii) any pre-payment charges in relation to accelerated repayment of debt , except where such charges have arisen due to a Procurer Event of Default; and (iv) any subordinated debt which is included in the Financial Assistance and disbursed by Lenders for financing the Total Project Cost <p>Provided that if all or any part of the Debt Due is convertible into Equity at the option of Lenders and/ or the RPG, it shall for the purposes of this Agreement be deemed not to be Debt Due even if no such conversion has taken place and the principal thereof shall be dealt with as if such conversion had been undertaken.</p> <p>Provided further that the Debt Due, on or after COD, shall in no case exceed 90% (ninety percent) of the Total Project Cost.</p>
<p>“Delivery Point”</p>	<p>shall mean a point a point a provided in Annexure-1 of the RfP, where power is injected into grid at 33/11 kV substation and it shall be 11 kV bus bar at the 33/ 11 kV Sub-station, unless specified otherwise. Metering shall be done at this interconnection point where the power is injected into the 33/11 kV Sub-station. Depending upon Project Capacity, there could be multiple interconnection cum delivery points at same PTR at same substation.</p> <p>For interconnection with grid and metering, the RPG shall abide by the relevant and applicable regulations, Grid Code notified by the State Commission and Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006 as amended and revised from time to time, or orders passed thereunder by the Appropriate Commission or CEA and relevant provisions of PPA.</p> <p>All costs and charges including but not limited to line losses and other charges as notified by the appropriate commission up to the point of interconnection (Delivery Point), if applicable, associated with the evacuation arrangement shall be borne by RPG.</p>

"Discom"	shall mean concerned power distribution company created in accordance with the Act and which, unless context requires otherwise, shall mean the Discom where Delivery Point of the Project located;
"Dispute"	shall mean any dispute or difference of any kind between PROCURER and the RPG, in connection with or arising out of this Agreement including but not limited to any issue on the interpretation and scope of the terms of this Agreement as provided in Article 16 of this Agreement;
"Due Date"	Due Date shall mean the forty-fifth (45th) from the date of receipt of a Monthly Bill (including all the relevant documents) or a Supplementary Bill is received by the PROCURER, with the Day after the Day of receipt of the Monthly Bill or the Supplementary Bill being counted as the 1 st (first) Day or, if such day is not a Business Day, the immediately succeeding Business Day being counted as the 1 st (first) Day, by which date such Monthly Bill or a Supplementary Bill is payable by the PROCURER.
"Effective Date"	shall have the meaning ascribed thereto in Article 2.1 of this Agreement;
"Electricity Laws"	shall mean the Electricity Act, 2003 and the rules and regulations made there under from time to time along with amendments thereto and replacements thereof and any other Law pertaining to electricity including regulations framed by the Appropriate Commission;
"Escrow Account"	shall mean an account, in the name of the RPG and Financing Bank, operational on the terms and conditions of Escrow Agreement.
"Escrow Agreement"	shall mean an agreement between RPG, Financing Bank and PROCURER as per standard format provided as Appendix-3 of the PPA.
"Event of Default"	shall mean the events as defined in Article 13 of this Agreement;
"Expiry Date"	Shall mean the date occurring twenty-five (25) years from the SCD subject to that the supply of power shall be limited for a period of 25 years from the SCD unless extended by the Parties as per this Agreement;
"Financing Agreements"	shall mean the agreements pursuant to which the RPG has sought financing for the Power Project including the loan agreements, security documents, notes, indentures, security agreements, letters of credit and other documents, as may be amended, modified, or replaced from time to time, but without in anyway increasing the liabilities of PROCURER;
"Financing Bank"	shall mean to a bank from which RPG borrows money for purposes of the Project under the PPA and which is referenced in Escrow Agreement.
"Financial Close"	shall mean the date on which the Financing Agreement become effective and the conditions precedent under the Financing Agreement for the initial availability of funds are fulfilled;
"Force Majeure" or "Force Majeure Event"	shall have the meaning ascribed thereto in Article 11 of this Agreement;

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"Indian Governmental Instrumentality"	shall mean the Government of India, Governments of state of and any ministry, department, board, authority, agency, corporation, commission under the direct or indirect control of Government of India or the above state Government or both, any political sub-division of any of them including any court or Appropriate Commission or tribunal or judicial or quasi-judicial body in India;
"Insurances"	shall mean the insurance cover to be obtained and maintained by the RPG in accordance with Article 8 of this Agreement;
"Interconnection Facilities"	shall mean the facilities on RPG's side of the Delivery Point for scheduling, transmitting and metering the electrical output in accordance with this Agreement and which shall include, without limitation, all other transmission lines and associated equipment, transformers, relay and switching equipment and protective devices, safety equipment and RTU, Data Transfer and Acquisition facilities for transmitting data subject to Article 7, the Metering System required for supply of power as per the terms of this
"Invoice" or "Bill"	shall mean either a Monthly Bill / Supplementary Bill or a Monthly Invoice/ Supplementary Invoice raised by any of the Parties;
"Late Payment Surcharge"	shall have the meaning ascribed thereto in Article 10.3.3 of this Agreement;
"Law"	shall mean in relation to this Agreement, all laws including Electricity Laws in force in India and any statute, ordinance, regulation, notification or code, rule, or any interpretation of any of them by an Indian Governmental Instrumentality and having force of law and shall further include without limitation all applicable rules, regulations, orders, notifications by an Indian Governmental Instrumentality pursuant to or under any of them and shall include without limitation all rules, regulations, decisions and orders of the Appropriate Commissions;
"Letter of Credit" or "L/ C"	shall have the meaning ascribed thereto in Article 10.4 of this Agreement;
"Letter of Award" or "LoA"	shall mean Letter of Award issued by Madhya Pradesh Urja Vikas Nigam Limited to the RPG for the project;
"MNRE"	shall mean the Ministry of New and Renewable Energy, Government of
"Month"	shall mean a period of thirty (30) days from (and excluding) the date of the event, where applicable, else a calendar month;
"Normative Scheduled Commissioning Date" or "NSCD"	shall mean a date falling on last day of eighteenth (18th) month from date of LoA;
"Normative CFA Capacity" or "NCFA "	shall mean solar plant capacity (in MW) out of Project Capacity (in MW), provided at Annexure-1 of RfP, which would be eligible for CFA as per MNRE, GoI, guidelines for feeder level solarization under component-C of PM KUSUM scheme. This value is the maximum CFA that can be availed for the given substation
"Party" and "Parties"	shall have the meaning ascribed thereto in the recital to this Agreement;
"Payment Security Mechanism"	shall have the meaning ascribed thereto in Article 10.4 of this Agreement;

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

"Power Project" or "Project"	<p>shall mean the _____ power generation facility of Contracted Capacity of [Insert capacity] MW, located at _____, [Insert name of the District and State] having a separate control system, metering and separate points of injection into the grid at Delivery point of ____ kV substation.</p> <p>The Project shall include all units and auxiliaries such as water supply, treatment or storage facilities, bay(s) for transmission system in the switchyard, dedicated transmission line up to the Delivery Point and all the other assets, buildings/ structures, equipment, plant and machinery, facilities and related assets required for the efficient and economic operation of the power generation facility, whether completed or at any stage of development and construction or intended to be developed and constructed for the purpose of supply of power as per this Agreement;</p>
"Preliminary Default Notice"	shall have the meaning ascribed thereto in Article 13 of this Agreement;
"Project Capacity"	shall mean the maximum AC capacity of the Project at the point of injection on which the Power Purchase Agreement has been signed.
"Prudent Utility Practices"	<p>shall mean the practices, methods and standards that are generally accepted internationally from time to time by electric utilities for the purpose of ensuring the safe, efficient and economic design, construction, commissioning, operation and maintenance of power generation equipment and which practices, methods and standards shall be adjusted as necessary, to take account of:</p> <ol style="list-style-type: none"> Operation and maintenance guidelines recommended by the manufacturers of the plant and equipment to be incorporated in the Power Project; the requirements of Indian Law; and the physical conditions at the site of the Power Project
"Quoted CFA Capacity" or "QCFA"	shall mean the CFA capacity (in MW) that the bidder chooses to avail out of the available NCFA. This shall be quoted in the BoQ by all the bidders and the QCFA can be any value between zero and the NCFA (both limits inclusive).
"Rebate"	shall have the same meaning as ascribed thereto in Article 10.3.5 of this Agreement;
"Rupees", "Rs.",	shall mean Indian rupees, the lawful currency of India;
Renewable Power Generator	<p>Shall mean bidding Company/ Limited Liability Partnership (LLP) firm/ Partnership Firm/ Sole Proprietor or Consortium/ JV in any form submitting the Bid and is hereinafter also called Renewable Power Generator (RPG). They must participate in the selection process to be carried out by Madhya Pradesh Urja Vikas Nigam Ltd.. The successful RPG shall have to sign PPA and install the plant as per provisions of the PM KUSUM scheme guidelines and applicable rules and regulations.</p>

Request for Proposal for Grid Connected SPPs in Madhya Pradesh under feeder solarization component of PM KUSUM - C Scheme

"RPG's Designated Account"	shall an account notified by RPG to PROCURER for payments and settlements pursuant to the PPA, which shall act as Escrow Account during the tenure of financing taken by RPG from Financing Bank for Project covered under the PPA.
"Scheduled Commissioning Date" or "SCD" of the Project	For Project capacity other than QCFA, SCD shall mean the end date of NSCD. However, for QCFA capacity, SCD shall mean NSCD or SSD, whichever is earlier.
"Scheme Sunset Date" or "SSD"	shall mean a date notified by Ministry of New and Renewable Energy Govt. of India (MNRE) which needs to be complied with for Commissioning purposes in order to become eligible for CFA under Component- (FLS) of PM KUSUM Scheme.
"Tariff"	Shall have the same meaning as provided for in Article 9 of this Agreement;
"Tariff Payment"	shall mean the payments to be made under Monthly Bills as referred to in Article 10 and the relevant Supplementary Bills;
"Termination Notice"	shall mean the notice given by either Parties for termination of this Agreement in accordance with Article 13 of this Agreement;
"Term of Agreement"	"Term of shall have the meaning ascribed thereto in Article 2 of this Agreement;
"Total Project Cost"	means the capital cost incurred on construction and financing of the Project and shall be limited to the lower of: <ul style="list-style-type: none"> a) the capital cost of the Project as set out in Financing Agreement; and b) the actual capital cost if the Project upon completion of the construction.

ARTICLE 2: TERM OF AGREEMENT

2.1 *Effective Date*

2.1.1 This Agreement shall come into effect from date of signing of this Agreement(insert date) by the parties and such date shall be referred to as the Effective Date

2.2 *Term of Agreement*

2.2.1 Subject to Article 2.3 and 2.4 of this Agreement, this Agreement shall be valid for a term from the Effective Date until the Expiry Date. This Agreement may be extended for a further period at least one hundred eighty (180) days prior to the Expiry Date, on mutually agreed terms and conditions.

2.2.2 The RPG is free to operate their plants beyond the Expiry Date if other conditions like land lease / Right to Use of Land (as applicable), permits, approvals and clearances etc. allow. In such case unless otherwise agreed by the PROCURER, PROCURER shall not be obligated to procure power beyond the Expiry Date.

2.3 *Early Termination*

2.3.1 This Agreement shall terminate before the Expiry Date if either PROCURER or RPG terminates the Agreement, pursuant to Article 13 of this Agreement.

2.4 *Survival*

2.4.1 The expiry or termination of this Agreement shall not affect any accrued rights, obligations and liabilities of the Parties under this Agreement, including the right to receive penalty as per the terms of this Agreement, nor shall it affect the survival of any continuing obligations for which this Agreement provides, either expressly or by necessary implication, which are to survive after the Expiry Date or termination including those under Article 11 (Force Majeure), Article 13 (Events of Default and Termination), Article 14 (Liability and Indemnification), Article 16 (Governing Law and Dispute Resolution), Article 17 (Miscellaneous Provisions), and other Articles and Schedules of this Agreement which expressly or by their nature survive the Term or termination of this Agreement shall continue and survive any expiry or termination of this Agreement.

ARTICLE 3: CONDITIONS SUBSEQUENT AND CONDITIONS PRECEDENT

Conditions Subsequent of RPG

3.1 The RPG agrees and undertakes to make Project Financing Agreements for its Project and shall provide necessary documents to PROCURER in this regard **within six Months** from Effective Date for the project, failing which Procurer reserves right to terminate the PPA.

3.2 The RPG agrees to obtain all approvals, permits, consents and clearances as per laid down procedures and timelines as well as submission of requisite documents aligned with relevant provisions under Cl. 3&4 of SOP.

Conditions Subsequent of Procurer

3.3 Procurer would ensure execution of Escrow Agreement as within timelines prescribed under Cl. 2 of SOP.

Conditions Precedent of RPG

3.4 If applicable, the RPG shall form SPV with timelines as prescribed under Cl. 2 of SOP.

3.5 The RPG shall submit performance bank guarantee (PBG) within timelines as prescribed in RFP.

Conditions Precedent of Procurer

3.6 Procurer shall arrange all relevant approvals for execution of PPA aligned to Cl. 2 of SOP.

ARTICLE 4: CONSTRUCTION & DEVELOPMENT OF THE PROJECT

4.1 *RPG's Obligations*

4.1.1 The RPG undertakes to be responsible, at RPG's own cost and risk, for the following within timelines mention under Cl. 4: "Timelines and responsibility matrix" delineated in the SOP:

- a) The RPG shall be solely responsible and make arrangements for Land & associated infrastructure for development of the Project and for Connectivity with the ____ kV sub-station for confirming the evacuation of power by the SCD or COD, whichever is earlier, and all clearances related thereto; The RPG shall furnish the necessary documents to establish possession in the name of the RPG of the required land/ Lease Agreement;
- b) Obtaining all Consents, Clearances and Permits as required and maintaining all documents.
- c) Design, Supply, Construction, Erection, Testing and Commissioning, of Solar Power Project in accordance with the applicable Law, Grid Code, as per regulations and terms & conditions of the Agreement as well as Prudent Utility Practices.
- d) The commencement of supply of power up to the Contracted Capacity to PROCURER no later than the Scheduled Commissioning Date and continuance of the supply of power throughout the term of the Agreement;
- e) Connecting the Power Project switchyard with the Interconnection Facilities at the Delivery Point. The RPG shall make adequate arrangements to connect the Power Project switchyard with the Interconnection Facilities at Interconnection / Metering / Delivery Point.
- f) Owning the Power Project throughout the Term of Agreement free and clear of encumbrances, except those expressly permitted under Article 15;
- g) Fulfilling all obligations undertaken by the RPG under this Agreement.
- h) The RPG shall be responsible to for directly coordinating and dealing with the PROCURER, and other authorities in all respects in regard to declaration of availability, scheduling and dispatch of Power and due compliance with deviation and settlement mechanism and the applicable Grid code/ State Regulations.
- i) All costs and charges including but not limited to line losses and other charges up to the point of interconnection, if applicable, associated with the evacuation arrangement shall be borne by RPG.

4.1.2 Under Cl. 4 of the SOP, there are timelines prescribed for these activities. Any delay or default in fulfilling the above as per prescribed timelines, not attributable to RPG, would not attract penal action on RPG but make RPG eligible for day by day extension aligned to period of such delay or default.

4.2 *Purchase and sale of Contracted Capacity*

4.2.1 Subject to the terms and conditions of this Agreement, the RPG undertakes to sell to PROCURER and PROCURER undertakes to pay Tariff for all the energy supplied at the Delivery Point corresponding to the Contracted Capacity.

4.2.2 The RPG shall not sell power generated from concerned Project to any buyer other than the Procurer during whole tenure of PPA.)

4.3 *Right to Contracted Capacity & Energy*

4.3.1 Subject to Article 4.9, PROCURER, in any Contract Year shall purchase full energy generated from Project during the PPA period at the PPA tariff of that year.

4.3.2 In case at any point of time, the peak of capacity reached is higher than the contracted capacity and causes disturbance in the system at the point where power is injected, the RPG will have to forego the excess generation and reduce the output to the contract capacity and shall also have to pay the penalty/ charges (if applicable) as per applicable regulations.

4.4 *Extensions of Time*

4.4.1 In the event that the RPG is prevented from performing its obligations under Article 4.1 by the Scheduled Commissioning Date due to:

- a) any PROCURER Event of Default; or
- b) Force Majeure Events affecting PROCURER, or
- c) Force Majeure Events affecting the RPG,

the Scheduled Commissioning Date and the Expiry Date shall be deferred, subject to Article

4.4.5, for a reasonable period but not less than 'day for day' basis, to permit the RPG or PROCURER by due diligence, to overcome the effects of the Force Majeure Events affecting the RPG or PROCURER, or till such time such Event of Default is rectified by PROCURER.

4.4.2 In case of extension due to reasons specified in Article 4.4.1(b) and (c), and if such Force Majeure Event continues even after a maximum period of three (3) months, any of the Parties may choose to terminate the Agreement as per the provisions of Article 13.5. In case neither party terminates the agreement under this clause, the agreement shall stand terminated on the expiry of twelve (12) months of the continuation of the Force majeure event unless the parties mutually agree to extend the agreement for the further period.

4.4.3 If the Parties have not agreed, within thirty (30) days after the affected Party's performance has ceased to be affected by the relevant circumstance, on the time by which the Scheduled Commissioning Date or the Expiry Date should be deferred, any Party may raise the Dispute to be resolved in accordance with Article 16.

4.4.4 As a result of such extension, the newly determined Scheduled Commissioning Date and

newly determined Expiry Date shall be deemed to be the Scheduled Commissioning Date and the Expiry Date for the purposes of this Agreement.

4.4.5 Notwithstanding anything to the contrary contained in this Agreement, any extension of the Scheduled Commissioning Date arising due to any reason envisaged in this Agreement shall not be allowed beyond the date pursuant to Article 4.5.2.

4.4.6 Delay in commissioning of the project beyond the scheduled commissioning date for reasons other than those specified in Article 4.4.1 shall be an event of default on part of the RPG and shall be subject to the consequences specified in the Article 4.5.

4.5 *Liquidated Damages not amounting to penalty for delay in Commissioning*

4.5.1 If the RPG is unable to commission the Project by the Scheduled Commissioning Date other than for the reasons specified in Article 4.4.1, the RPG shall pay to PROCURER, damages for the delay in such commissioning and making the Contracted Capacity available for dispatch by the Scheduled Commissioning Date as per the following:

Delay beyond the Scheduled Commissioning Date up to (& including) the last date of the eighteen (18) months from date of LoA: The total Performance Bank Guarantee amount shall be encashed at the rate of 0.5% on per day basis for up to six (6) months..

4.5.2 The maximum time period allowed for commissioning of the full Project Capacity with encashment of Performance Bank Guarantee shall be limited to twenty four (24) Months from the date of LoA. In case, the Commissioning of the Project is delayed beyond twenty four (24) Months from the date of LoA , it shall be considered as an RPG Event of Default and provisions of Article 13 shall apply and the Contracted Capacity shall stand reduced / amended to the Project Capacity Commissioned within twenty four (24) Months from date of LOA and the PPA for the balance Capacity will stand terminated and shall be reduced from the project capacity.

4.5.3 The RPG further acknowledge that the amount of the liquidated damages fixed is genuine and reasonable pre-estimate of the damages that may be suffered by PROCURER.

46 *Acceptance/ Performance Test*

4.6.1 Prior to synchronization of the Power Project, the RPG shall be required to get the Project certified for the requisite acceptance/ performance test as may be laid down by respective authorities.

4.7 *Third Party Verification*

4.7.1 The RPG shall be further required to provide entry to the site of the Power Project free of all encumbrances at all times during the Term of the Agreement to PROCURER and a third

Party nominated by any Indian Governmental Instrumentality for inspection and verification of the works being carried out by the RPG at the site of the Power Project.

4.7.2 The third party may verify the construction works/ operation of the Power Project being carried out by the RPG and if it is found that the construction works/ operation of the Power Project is not as per the Prudent Utility Practices, it may seek clarifications from RPG or require the works to be stopped or to comply with the instructions of such third party.

4.8 ***Breach of Obligations***

4.8.1 The Parties herein agree that during the subsistence of this Agreement, subject to PROCURER being in compliance of its obligations & undertakings under this Agreement, the RPG would have no right to negotiate or enter into any dialogue with any third party for the sale of Contracted Capacity of power which is the subject matter of this Agreement. It is the specific understanding between the Parties that such bar will apply throughout the entire term of this Agreement.

4.9 ***Generation compensation for Off-take constraints***

4.9.1 Offtake constraints due to Backdown: In the eventuality of backdown, subject to the submission of documentary evidences from the competent authority, the RPG shall be eligible for a minimum generation compensation, from PROCURER, restricted to the following and there shall be no other claim, directly or indirectly against PROCURER:

Duration of Backdown	Provision for Generation Compensation
Hours of Backdown during a monthly billing cycle.	<i>Minimum Generation Compensation = 50% of [(Average Generation per hour during the month) X (number of backdown hours during the month)] X PPA tariff</i> Where, Average Generation per hour during the month (kWh) = [Total generation in the month (kWh) / Total hours of generation in the month]

The RPG shall not be eligible for any compensation in case the Backdown is on account of events like consideration of grid security or safety of any equipment or personnel or other such conditions. The Generation Compensation shall be paid as part of the energy bill for the successive month after JMR.

4.10 Indigenous components and ALMM requirement

4.10.1 Requirement of indigenously manufactured module, cells and BOS: System specifications and quality control of projects under KUSUM-C (FLS) would be in accordance with Para 6.4.6 of MNRE's Comprehensive Guidelines for Implementation of

PM KUSUM Scheme, dated 17.01.2024, and its amendments/ modifications as relevant and applicable. This requirement would be applicable for the portion of Project Capacity eligible for Central Financial Assistance (CFA).

4.10.2 Requirement of Approved List of Models and Manufacturers (ALMM): Bidders/ Successful Bidders would comply ALMM requirement as per ALMM order by Ministry of Power dated 09.12.2024 and it would be applicable on full Project Capacity.

ARTICLE 5: SYNCHRONISATION, COMMISSIONING AND COMMERCIAL OPERATION

5.1 *Synchronization, Commissioning and Commercial Operation*

5.1.1 The RPG shall give the PROCURER at least thirty (30) days' advanced preliminary written notice and at least fifteen (15) days' advanced final written notice, of the date on which it intends to synchronize the Power Project to the Grid System, which shall be treated as F1 (Day 1) in terms of sl. No. 14 under Cl. 4 of SOP. Subsequently, following shall be ensured:

- a. Concerned GM (O&M) of Discom to constitute committee for connectivity, synchronization & commissioning to the Solar power plant, 11 kV or 33 kV line and transformers within four (4) days of F1;
- b. Above committee to make site visit and submit connectivity, synchronization and commissioning report, joint meter reading report to GM(O&M) with copy to concerned Manager (O&M) office in nine (9) days of F1.

5.1.2 Subject to Article 5.1.1, the Power Project may be synchronized by the RPG to the Grid System when it meets all the connection conditions prescribed in applicable Grid Code then in effect and otherwise meets all other Indian legal requirements for synchronization to the Grid System.

5.1.3 The synchronization equipment and all necessary arrangements / equipment including RTU for scheduling of power generated from the Project and transmission of data to the concerned authority as per applicable regulation shall be installed by the RPG at its generation facility of the Power Project at its own cost. The RPG shall synchronize its system with the Grid System only after the approval of synchronization scheme is granted by the head of the concerned substation/ and checking/ verification is made by the concerned authorities of the PROCURER.

5.1.4 The RPG shall immediately after each synchronization/ tripping of generator, inform the substation of the Grid System to which the Power Project is electrically connected in accordance with applicable Grid Code. In addition, the RPG will inject in-firm power to grid time to time to carry out operational/ functional test prior to commercial operation. For avoidance of doubt, it is clarified that Synchronization / Connectivity of the Project with the grid

shall not to be considered as Commissioning of the Project.

5.1.5 Subject to Article 5.1.7 below, the RPG shall commission the Project before SCD. Declaration of COD shall only be done upon the issuance of inspection report cum commissioning certificate by the Commissioning Committee constituted as per Cl. 4 of the SOP. For the Project to be eligible for release of CFA, the concerned Project should perform satisfactorily for one continuous month after commissioning in terms of provisions of PPA and RfP, wherein the Project achieves minimum generation equivalent of 19% CUF, excluding substation downtime and outages.

5.1.6 The Parties agree that for the purpose of commencement of the supply of electricity by RPG to PROCURER, liquidated damages for delay etc., the Scheduled Commissioning Date as defined in this Agreement shall be the relevant date.

5.1.7 The Parties agree that for the purpose of becoming eligible for CFA, the portion of capacity, for which SPD has provisioned for CFA in its Bid i.e. QCFA (in MW), should be commissioned as per Article 9.7 of PPA before SSD or NSCD (last date of both included), whichever is earlier, failing which SPD would be declared ineligible to claim CFA.

ARTICLE 6: DISPATCH AND SCHEDULING

6.1 *Dispatch and Scheduling*

6.1.1 The RPG and PROCURER shall be required to schedule/ draw its power as per the applicable regulations of MPERC / SLDC, including forecasting and scheduling, or any other competent agency and same being recognized by the SLDC or any other competent authority / agency as per applicable regulation/ law / direction and maintain compliance to the applicable Codes/ Grid Code requirements and directions, if any, as specified by concerned SLDC from time to time. Any deviation from the Schedule, if applicable, will attract the provisions of applicable regulation / guidelines / directions and any financial implication on account of this shall be on the account of the RPG.

6.1.2 The RPG shall be responsible for directly coordinating and dealing with the PROCURER, State Load Dispatch Centers, and other authorities in all respects in regard to declaration of availability, scheduling and despatch of Power and due compliance with deviation and settlement mechanism and the applicable Grid code Regulations, as applicable.

6.1.3 The RPG and PROCURER shall follow the forecasting and scheduling process as per the regulations in this regard by the Appropriate Commission. The RPG shall be responsible for any deviation from scheduling and for any resultant liabilities on account of charges for deviation as per applicable regulations. UI charges on this account shall be directly paid by the RPG.

6.1.4 Auxiliary power consumption will be treated as per the MPERC regulations.

ARTICLE 7: METERING

7.1 Meters

7.1.1 For installation of Meters, Meter testing, Meter calibration and Meter reading and all matters incidental thereto, the RPG and PROCURER shall follow and be bound by the Central Electricity Authority (Installation and Operation of Meters) Regulations, 2006, the Grid Code, as amended and revised from time to time. Concerned Discom would ensure installation of tested CT-PT Meters (Testing of CT PT by NABL Lab) and meters at site in the presence of officer(s) of Discom's meter testing wing and concerned Manager (O&M) within thirty (30) days from the letter by RPG to concerned SE (Meter Testing) for testing of meters, with copy to concerned GM (O&M) and Dy Manager (O&M) in accordance with Cl. 4 of SOP.

7.1.2 The RPG shall bear all costs pertaining to installation, testing, calibration, Automatic Meter Reading facility, maintenance/ replacement of the meters at RPG's side of Delivery Point

7.1.3 In addition to ensuring compliance of the applicable codes, the RPG shall install Main & Check meters at the Delivery Point, along with Stand-by meter(s) as per the applicable regulations of the State where the Project is located.

7.1.4 Rating of CT-PT set and its accuracy as well as accuracy and type of meter would be aligned to sub-clauses (viii) and (ix) under Cl. 4 of SOP.

7.2 Reporting of Metered Data and Parameters

7.2.1 The grid connected renewable power plants will install necessary equipment for regular monitoring of required data and simultaneously for monitoring of the electric power generated from the Project, both active and reactive power.

7.2.2 Online arrangement would have to be made by the RPG, as provided at Appendix-2 of PPA, for submission of above data regularly for the entire period of this Power Purchase Agreement to the PROCURER, the MNRE and concerned agency as per applicable regulation / directions.

7.2.3 Reports on above parameters on monthly basis (or as required by regulation / guidelines) shall be submitted by the RPG to Ministry of New and Renewable Energy/ National Institute of Solar Energy through PROCURER for entire period of PPA.

ARTICLE 8: INSURANCES

8.1 Insurance

8.1.1 The RPG shall effect and maintain or cause to be effected and maintained, at its own cost and expense, throughout the Term of PPA, Insurances against such risks to keep the Project in good condition and shall take Industrial All Risk insurance policy covering risks against any loss or damage, with such deductibles and with such endorsements and co-insured(s), which the Prudent Utility Practices would ordinarily merit maintenance of and as required under the Financing Agreements, and under the applicable laws.

8.2 Application of Insurance Proceeds

8.2.1 In case of the Project not being implemented through Financing Agreement(s), the proceeds of any insurance claim made due to loss or damage to the Power Project or any part of the Power Project shall be first applied to reinstatement, replacement or renewal of such loss or damage.

In case of the Project being financed through Financing Agreement(s), save as expressly provided in this Agreement or the Insurances, the proceeds of any insurance claim made due to loss or damage to the Power Project or any part of the Power Project shall be applied as per such Financing Agreements.

8.2.2 If a Force Majeure Event renders the Power Project no longer economically and technically viable and the insurers under the Insurances make payment on a “total loss” or equivalent basis, PROCURER shall have claim on such proceeds of such Insurance limited to outstanding dues of PROCURER against RPG.

8.3 Effect on liability of PROCURER

8.3.1 Notwithstanding any liability or obligation that may arise under this Agreement, any loss, damage, liability, payment, obligation or expense which is insured or not or for which the RPG can claim compensation, under any Insurance shall not be charged to or payable by PROCURER. It is for the RPG to ensure that appropriate insurance coverage is taken for payment by the insurer for the entire loss and there is no under insurance or short adjustment etc.

ARTICLE 9: APPLICABLE TARIFF

9.1 The RPG shall be entitled to receive the Tariff of Rs. / kWh, fixed for the entire term of this Agreement, for the active power sold to the PROCURER subject to clause 4.3 as reflected in the Energy Accounts. This includes commissioning prior to SCD and part commissioning.

9.2 The RPG shall be entitled to receive a tariff of Rs. [•]** per kVA_{rh}, fixed for the entire term of this Agreement, for the reactive power injected/ absorbed at Delivery Point, including during non-sunshine hours in accordance with the following:

- a. For reactive power injected, in case voltage at Delivery Point is lower than 97% of Nominal Voltage.
- b. For reactive power absorbed, in case voltage at Delivery Point is higher than 103% of Nominal Voltage.

9.3 Further, the RPG shall be penalised at the rate of Rs. [•]** per kVA_{rh}, fixed for the entire term of this Agreement, for the reactive power injected/ absorbed at Delivery Point, including during non-sunshine hours in accordance with the following:

- a. For reactive power absorbed, in case voltage at Delivery Point is lower than 97% of Nominal Voltage.
- b. For reactive power injected, in case voltage at Delivery Point is higher than 103% of Nominal Voltage.

9.4 It is clarified that in case voltage at Delivery Point is between 97% and 103% of Nominal Voltage, there would be neither compensation nor penalty for injection or absorption of reactive power.

9.5 It is additionally clarified that there would be no penalty on RPG for not injecting/ absorbing any reactive power whatsoever, for voltage management support to the grid.

9.6 The active power drawn from the grid for reactive power management during non-solar hours shall not be charged by Discoms and shall be treated as losses in the State transmission and distribution network.

**** Disclaimer:** *In case any approval is required from the Appropriate Commission in respect of this provision, including without limitation, any other approval required in respect of reactive power management through solar projects under PM KUSUM Scheme, then this provision (and any other related provisions) may be suitably amended, in accordance with approvals of Appropriate Commission, to ensure compliance with the relevant regulations or orders of the Appropriate Commission*

9.7 Applicability of subsidy from Central Govt. in the form of CFA shall be aligned to order of MNRE, GoI, valid and relevant at the time of Bid Deadline. CFA would be to the extent of “Quoted CFA Capacity” or “QCFA”, as mentioned in the RfP documents.

ARTICLE 10: BILLING AND PAYMENT

10.1 **General**

10.1.1 From the commencement of supply of power, PROCURER shall pay to the RPG the monthly Tariff Payments subject to the adjustments as per provisions of this Agreement including Article 6, in accordance with Article 9. All Tariff Payments by PROCURER shall be in Indian Rupees.

10.1.2 The RPG shall be required to make arrangements and payments for import of energy (if any) as per applicable regulations.

10.2 **Delivery and Content of Monthly Bills/ Supplementary Bills**

10.2.1 The RPG shall issue to PROCURER hard copy of a signed Monthly Bill in 3 copies in accordance with the format provided by the PROCURER for the immediately preceding Month based on the JMR/ Energy Account along with all relevant payment receipt documents (payments made by RPG for drawl of power, Metering charges or any other charges as per regulations of MPERC/ SLDC, if applicable.) to respective Superintending Engineer (SE) / General Manager (GM) of the circle and after verification SE / GM will forward the verified bills to Procurer within three (03) days

Each Monthly Bill shall include all charges as per this Agreement for the energy supplied for the relevant Month based on JMR/ Energy Accounts. The Monthly Bill amount shall be the product of the active energy as per Energy Accounts and the Applicable Tariff as provided under Article 9.1 of PPA. Also, each monthly bill shall include reactive energy management compensation to RPG, as provided in Article 9.2 and 9.3, determined in accordance with MPERC. Energy/ reactive energy drawn from the grid will be regulated as per the MPERC regulations.

10.3 **Payment of Monthly Bills**

10.3.1 PROCURER shall pay the amount payable under the Monthly Bill by the Due Date to such account of the RPG, as shall have been previously notified by the RPG.

10.3.2 All payments required to be made under this Agreement shall also include any deduction or set off for:

- i) deductions required by the Law; and
- ii) Amount claimed by PROCURER, if any, from the RPG, will be adjusted from the monthly energy payment.

The RPG shall open a bank account (the "RPG's Designated Account") for all Tariff Payments to be made by PROCURER to the RPG, and notify PROCURER of the details of such account at

least sixty (60) Days before the dispatch of the first Monthly Bill.

10.3.3 **Late Payment Surcharge**

In the event of delay in payment of a Monthly Bill by PROCURER beyond thirty (30) days of its Due Date, a Late Payment Surcharge shall be payable to the RPG at the rate of 1.25% per month on the

outstanding amount calculated on a day to day basis. The Late Payment Surcharge shall be claimed by the RPG through the Supplementary Bill.

10.3.5 **Rebate**

For payment of any Bill on or before Due Date, the following Rebate shall be paid by the RPG to PROCURER in the following manner and the RPG shall not raise any objections to the payments made under this article.

- a) A Rebate of 2% shall be payable to the PROCURER for the payments made within a period of seven clear working days of the presentation of hard copy of Bill along with required supporting documents at PROCURER office.
- b) Any payments made after seven clear working days of the date of presentation of hard copy of the Bill along with the required supporting documents at PROCURER office up to the Due Date shall be allowed a rebate of 1 %.
- c) For the above purpose, the Zero date of Bill shall be the next Business Day of delivery of verified original copies of the Bill at PROCURER office
- d) No Rebate shall be payable on the Bills raised on account of Change in Law relating to taxes, duties, cess etc. and on Supplementary Bill.

For the above purpose date of presentation of bill shall be the same day of delivery in hard copy. However, for consideration of rebate, next business day shall be considered.

10.3.6 Pursuant to Cl. 2 of SOP, the RPG shall enter into Escrow Agreement as per prescribed format. This agreement would govern terms and conditions of operation of RPG's Designated Account during tenure of financing taken by RPG from Financing Bank for Project covered under the PPA.

10.4 **Payment Security Mechanism**

Letter of Credit (LC):

10.4.1 PROCURER shall provide to the RPG, in respect of payment of its Monthly Bills and/ or Supplementary Bills, a monthly unconditional, revolving and irrevocable letter of credit ("Letter of Credit"), opened and maintained which may be drawn upon by the RPG in accordance with this Article.

10.4.2 Not later than one (1) Month before the start of supply, PROCURER through a scheduled bank open a Letter of Credit in favour of the RPG, to be made operative from a date prior to the Due Date of its first Monthly Bill under this Agreement. The Letter of Credit shall have a term of twelve (12) Months and shall be renewed annually, for an amount equal to:

- i) for the first Contract Year, equal to the estimated average monthly billing;
- ii) for each subsequent Contract Year, equal to the average of the monthly billing of the previous Contract Year.

10.4.3 Provided that the RPG shall not draw upon such Letter of Credit prior to the Due Date of the relevant Monthly Bill and/ or Supplementary Bill, and shall not make more than one drawal in a Month.

10.4.4 Provided further that if at any time, such Letter of Credit amount falls short of the amount specified in Article 10.4.2 due to any reason whatsoever, PROCURER shall restore such shortfall within fifteen (15) days.

10.4.5 PROCURER shall cause the scheduled bank issuing the Letter of Credit to intimate the RPG, in writing regarding establishing of such irrevocable Letter of Credit.

10.4.6 PROCURER shall ensure that the Letter of Credit shall be renewed not later than its expiry. 10.4.7 All costs relating to opening, maintenance of the Letter of Credit shall be borne by PROCURER.

10.4.8 If PROCURER fails to pay undisputed Monthly Bill or Supplementary Bill or a part thereof within and including the Due Date, then, subject to Article 10.4.6 & 10.5.2, the RPG may draw upon the Letter of Credit, and accordingly the bank shall pay without any reference or instructions from PROCURER, an amount equal to such Monthly Bill or Supplementary Bill or part thereof, in accordance with Article 10.4.3 above, by presenting to the scheduled bank issuing the Letter of Credit, the following documents:

- i) a copy of the Monthly Bill or Supplementary Bill which has remained unpaid to RPG and;
- ii) a certificate from the RPG to the effect that the bill at item (i) above, or specified part thereof, is in accordance with the Agreement and has remained unpaid beyond the Due Date;

10.5 Disputed Bill

10.5.1 If the PROCURER does not dispute a Monthly Bill or a Supplementary Bill raised by the RPG within fifteen (15) days of receiving such Bill shall be taken as conclusive.

10.5.2 If the PROCURER disputes the amount payable under a Monthly Bill or a Supplementary Bill, as the case may be, it shall pay undisputed amount of the invoice amount and it shall within fifteen (15) days of receiving such Bill, issue a notice (the "Bill Dispute Notice") to the invoicing Party setting out:

- i) the details of the disputed amount;
- ii) its estimate of what the correct amount should be; and iii) all written material in support of its claim.

10.5.3 If the RPG agrees to the claim raised in the Bill Dispute Notice issued pursuant to Article 10.5.2, the RPG shall revise such Bill and present along with the next Monthly Bill. In such a case excess amount, if paid, shall be refunded along with interest at the same rate as Late Payment Surcharge, which shall be applied from the date on which such excess payment was made by the disputing Party to the invoicing Party and up to and including the date on which such payment has been received as refund.

10.5.4 If the RPG does not agree to the claim raised in the Bill Dispute Notice issued pursuant to Article 10.5.2, it shall, within fifteen (15) days of receiving the Bill Dispute Notice, furnish a notice (Bill Disagreement Notice) to the PROCURER providing:

- i) reasons for its disagreement;
- ii) its estimate of what the correct amount should be; and
- iii) all written material in support of its counter-claim.

10.5.5 Upon receipt of the Bill Disagreement Notice by the PROCURER under Article

10.5.4, authorized representative(s) or a director of the board of directors/ member of board of the PROCURER and RPG shall meet and make best endeavours to amicably resolve such dispute within fifteen (15) days of receipt of the Bill Disagreement Notice.

10.5.6 If the Parties do not amicably resolve the Dispute within fifteen (15) days of receipt of Bill Disagreement Notice pursuant to Article 10.5.4, the matter shall be referred to Dispute resolution in accordance with Article 16.

10.5.7 For the avoidance of doubt, it is clarified the despite a Dispute regarding an invoice, PROCURER shall, without prejudice to its right to Dispute, be under an obligation to make payment of undisputed amount of the invoice amount in the Monthly Bill.

10.6 Quarterly and Annual Reconciliation

10.6.1 The Parties acknowledge that all payments made against Monthly Bills and Supplementary Bills shall be subject to quarterly reconciliation within 30 days of the end of the quarter at the beginning of the following quarter of each Contract Year and annual reconciliation at the end of each Contract Year within 30 days to take into account the Energy Accounts, Tariff adjustment payments, Tariff Rebate, Late Payment Surcharge, or any other reasonable circumstance provided under this Agreement.

10.6.2 The Parties, therefore, agree that as soon as all such data in respect of any quarter of a Contract Year or a full Contract Year as the case may be has been finally verified and adjusted, the RPG and PROCURER shall jointly sign such reconciliation statement. Within fifteen (15) days of signing of a reconciliation statement, the RPG shall make appropriate adjustments in the next Monthly Bill. Late Payment Surcharge/ interest shall be payable in such a case from the date on which such payment had been made to the invoicing Party or the date on which any payment was originally due, as may be applicable. Any Dispute with regard to the above reconciliation shall be dealt with in accordance with the provisions of Article 16.

10.7 *Payment of Supplementary Bill*

10.7.1 RPG may raise a ("Supplementary Bill") for payment on account of:

- i) Adjustments required by the Joint Meter Reading / Energy Accounts (if applicable); or
- ii) Change in Law as provided in Article 12

And such Supplementary Bill shall be paid by the other Party.

10.7.2 PROCURER shall remit all amounts due under a Supplementary Bill raised by the RPG to the RPG's Designated Account by the Due Date, except open access charges, RLDC or scheduling charges and transmission charges (if applicable). For Supplementary Bill on account of adjustment required by energy account, Rebate as applicable to Monthly Bills pursuant to Article 10.3.5 shall equally apply. No surcharge will be applicable other than that on the monthly energy payment and associated debit and credit note.

10.7.3 In the event of delay in payment of a Supplementary Bill by either Party beyond its Due Date, a Late Payment Surcharge shall be payable at the same terms applicable to the Monthly Bill in Article 10.3.3.

ARTICLE 11: FORCE MAJEURE

11.1 *Definitions*

11.1.1 In this Article, the following terms shall have the following meanings:

11.2 *Affected Party*

11.2.1 An affected Party means PROCURER or the RPG whose performance has been affected by an event of Force Majeure.

11.3 ***Force Majeure***

11.3.1 A 'Force Majeure' means any event or circumstance or combination of events those stated below that wholly or partly prevents or unavoidably delays an Affected Party in the performance of its obligations under this Agreement, but only if and to the extent that such events or circumstances are not within the reasonable control, directly or indirectly, of the Affected Party and could not have been avoided if the Affected Party had taken reasonable care or complied with Prudent Utility Practices:

- a) Act of God, including, but not limited to lightning, drought, fire and explosion (to the extent originating from a source external to the site), earthquake, volcanic eruption, landslide, flood, cyclone, typhoon or tornado if and only if it is declared / notified by the competent state / central authority / agency (as applicable);
- b) any act of war (whether declared or undeclared), invasion, armed conflict or act of foreign enemy, blockade, embargo, revolution, riot, insurrection, terrorist or military action if and only if it is declared / notified by the competent state / central authority / agency (as applicable); or
- c) radioactive contamination or ionising radiation originating from a source in India or resulting from another Force Majeure Event mentioned above excluding circumstances where the source or cause of contamination or radiation is brought or has been brought into or near the Power Project by the Affected Party or those employed or engaged by the Affected Party.

11.4 ***Force Majeure Exclusions***

11.4.1 Force Majeure shall not include (i) any event or circumstance which is within the reasonable control of the Parties and (ii) the following conditions, except to the extent that they are consequences of an event of Force Majeure:

- a. Unavailability, late delivery, or changes in cost of the plant, machinery, equipment, materials, spare parts or consumables for the Power Project;
- b. Delay in the performance of any contractor, sub-contractor or their agents ;
- c. Non-performance resulting from normal wear and tear typically experienced in power generation materials and equipment;
- d. Substation downtime and outages;
- e. Strikes at the facilities of the Affected Party;
- f. Insufficiency of finances or funds or the agreement becoming onerous to perform; and
- g. Non-performance caused by, or connected with, the Affected Party's:
 - i. Negligent or intentional acts, errors or omissions;
 - ii. Failure to comply with an Indian Law; or
 - iii. Breach of, or default under this Agreement.

11.5 *Notification of Force Majeure Event*

11.5.1 The Affected Party shall give notice to the other Party of any event of Force Majeure as soon as reasonably practicable, but not later than seven (7) days after the date on which such Party knew or should reasonably have known of the commencement of the event of Force Majeure. If an event of Force Majeure results in a breakdown of communications rendering it unreasonable to give notice within the applicable time limit specified herein, then the Party claiming Force Majeure shall give such notice as soon as reasonably practicable after reinstatement of communications, but not later than one (1) day after such reinstatement.

11.5.2 Provided that such notice shall be a pre-condition to the Affected Party's entitlement to claim relief under this Agreement. Such notice shall include full particulars of the event of Force Majeure, its effects on the Party claiming relief and the remedial measures proposed. The Affected Party shall give the other Party regular (and not less than monthly) reports on the progress of those remedial measures and such other information as the other Party may reasonably request about the Force Majeure Event.

11.5.3 The Affected Party shall give notice to the other Party of (i) the cessation of the relevant event of Force Majeure; and (ii) the cessation of the effects of such event of Force Majeure on the performance of its rights or obligations under this Agreement, as soon as practicable after becoming aware of each of these cessations.

11.6 *Duty to Perform and Duty to Mitigate*

11.6.1 To the extent not prevented by a Force Majeure Event pursuant to Article 11.3, the Affected Party shall continue to perform its obligations pursuant to this Agreement. The Affected Party shall use its reasonable efforts to mitigate the effect of any Force Majeure Event as soon as practicable.

11.7 *Available Relief for a Force Majeure Event*

11.7.1 Subject to this Article 11:

- (a) no Party shall be in breach of its obligations pursuant to this Agreement except to the extent that the performance of its obligations was prevented, hindered or delayed due to a Force Majeure Event;
- (b) every Party shall be entitled to claim relief in relation to a Force Majeure Event in regard to its obligations;
- (c) For avoidance of doubt, neither Party's obligation to make payments of money due and payable prior to occurrence of Force Majeure events under this Agreement shall be suspended or excused due to the occurrence of a Force Majeure Event in respect of such Party.
- (d) Provided that no payments shall be made by either Party affected by a Force Majeure Event for the period of such event on account of its inability to perform its obligations due to

such Force Majeure Event.

ARTICLE 12: CHANGE IN LAW

12.1 Definitions

In this Article 12, the term Change in Law shall refer to the occurrence of any of the following events pertaining to this project only after the last date of the bid submission, including

- i the enactment of any new law; or
- ii an amendment, modification or repeal of an existing law; or
- iii the requirement to obtain a new consent, permit or license; or
- iv any modification to the prevailing conditions prescribed for obtaining an consent, permit or license, not owing to any default of the RPG; or
- v any change in the rates of any Taxes including any duties and cess or Introduction of any new tax made applicable for setting up the power project and supply of power from the Power project by the RPG Which have a direct effect on the Project.

However, Change in Law shall not include

- i any change in taxes on corporate income or
- ii any change in any withholding tax on income or dividends distributed to the shareholders of the RPG, or
- iii any change on account of regulatory measures by the Appropriate Commission.

In the event a Change in Law results in any adverse financial loss/ gain to the RPG then, in order to ensure that the RPG is placed in the same financial position as it would have been had it not been for the occurrence of the Change in Law, the RPG/ PROCURER shall be entitled to compensation by the other party, as the case may be, subject to the condition that the quantum and mechanism of compensation payment shall be determined and shall be effective from such date as may be decided by the Appropriate Commission..

In the event of any decrease in the recurring/ nonrecurring expenditure by the RPG or any income to the RPG on account of any of the events as indicated above, RPG shall file an application to the Appropriate Commission no later than sixty (60) days from the occurrence of such event, for seeking approval of Change in Law and to determine the impact on the cost of Solar PV modules / cell. In the event of the RPG failing to comply with the above requirement, in case of any gain to the RPG, PROCURER shall withhold the monthly tariff payments on immediate basis, until compliance of the above requirement by the RPG.

12.2 Relief for Change in Law

12.2.1 The aggrieved Party shall be required to approach the Appropriate Commission for seeking approval of Change in Law.

12.2.2 The decision of the Appropriate Commission to acknowledge a Change in Law and the

date from which it will become effective, provide relief for the same, shall be final and governing on both the Parties.

ARTICLE 13: EVENTS OF DEFAULT AND TERMINATION

13.1 RPG Event of Default

13.1.1 The occurrence and/ or continuation of any of the following events, unless any such event occurs as a result of a Force Majeure Event or a breach by PROCURER of its obligations under this Agreement, shall constitute an RPG Event of Default:

(i) the failure to commence supply of power to PROCURER up to the Contracted Capacity, by the end of the period specified in Article 4, or failure to continue supply of Contracted Capacity to PROCURER after Commercial Operation Date throughout the term of this Agreement, or

if

a) the RPG assigns, mortgages or charges or purports to assign, mortgage or charge any of its assets or rights related to the Power Project in contravention of the provisions of this Agreement; or

b) the RPG transfers or novates any of its rights and/ or obligations under this agreement, in a manner contrary to the provisions of this Agreement; except where such transfer

- is in pursuance of a Law; and does not affect the ability of the transferee to perform, and such transferee has the financial capability to perform, its obligations under this Agreement or
- is to a transferee who assumes such obligations under this Agreement and the Agreement remains effective with respect to the transferee;

(ii) if (a) the RPG becomes voluntarily or involuntarily the subject of any bankruptcy or insolvency or winding up proceedings and such proceedings remain uncontested for a period of thirty (30) days, or (b) any winding up or bankruptcy or insolvency order is passed against the RPG, or (c) the RPG goes into liquidation or dissolution or has a receiver or any similar officer appointed over all or substantially all of its assets or official liquidator is appointed to manage its affairs, pursuant to Law, provided that a dissolution or liquidation of the RPG will not be a RPG Event of Default if such dissolution or liquidation is for the purpose of a merger, consolidation or

reorganization and where the resulting company retains creditworthiness similar to the RPG and expressly assumes all obligations of the RPG under this Agreement and is in a position to perform them; or

(iii) the RPG repudiates this Agreement and does not rectify such breach within a period of thirty (30) days from a notice from PROCURER in this regard; or

- (iv) except where due to any PROCURER's failure to comply with its material obligations, the RPG is in breach of any of its material obligations pursuant to this Agreement, and such material breach is not rectified by the RPG within thirty (30) days of receipt of first notice in this regard given by PROCURER.
- (v) occurrence of any other event which is specified in this Agreement to be a material breach/ default of the RPG.
- (vi) except where due to any PROCURER's failure to comply with its material obligations, the RPG is in breach of any of its material obligations pursuant to this Agreement, and such material breach is not rectified by the RPG within thirty (30) days of receipt of first notice in this regard given by PROCURER.

13.2 PROCURER Event of Default

13.2.1 The occurrence and the continuation of any of the following events, unless any such event occurs as a result of a Force Majeure Event or a breach by the RPG of its obligations under this Agreement, shall constitute the Event of Default on the part of defaulting PROCURER:

- (i) PROCURER fails to pay (with respect to a Monthly Bill or a Supplementary Bill), subject to Article 10.5, for a period of ninety (90) days after the Due Date and the RPG is unable to recover the amount outstanding to the RPG through the Letter of Credit,
- (ii) PROCURER repudiates this Agreement and does not rectify such breach even within a period of sixty (60) days from a notice from the RPG in this regard; or
- (iii) except where due to any RPG's failure to comply with its obligations, PROCURER is in material breach of any of its obligations pursuant to this Agreement, and such material breach is not rectified by PROCURER within sixty (60) days of receipt of notice in this regard from the RPG to PROCURER; or

if

- PROCURER becomes voluntarily or involuntarily the subject of any bankruptcy or insolvency or winding up proceedings and such proceedings remain uncontested for a period of sixty (60) days, or
 - any winding up or bankruptcy or insolvency order is passed against PROCURER, or
 - PROCURER goes into liquidation or dissolution or a receiver or any similar officer is appointed over all or substantially all of its assets or official liquidator is appointed to manage its affairs, pursuant to Law, provided that it shall not constitute a PROCURER Event of Default, where such dissolution or liquidation of PROCURER or PROCURER is for the purpose of a merger, consolidation or reorganization and where the resulting entity has the financial standing to perform its obligations under this Agreement and has creditworthiness similar to PROCURER and expressly assumes all obligations of PROCURER and is in a position to perform them; or;
- (iv) Occurrence of any other event which is specified in this Agreement to be a material breach or default of PROCURER.

13.3 Procedure for cases of RPG Event of Default

13.3.1 Upon the occurrence and continuation of any RPG Event of Default under Article 13.1, PROCURER shall have the right to deliver to the RPG, with a copy to the representative of the lenders

to the RPG with whom the RPG has executed the Financing Agreements, a notice stating its intention to terminate this Agreement (PROCURER Preliminary Default Notice), which shall specify in reasonable detail, the circumstances giving rise to the issue of such notice.

13.3.2 Following the issue of a PROCURER Preliminary Default Notice, the Consultation Period of ninety (90) days or such longer period as the Parties may agree, shall apply and it shall be the responsibility of the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant Event of Default having regard to all the circumstances.

13.3.3 During the Consultation Period, the Parties shall continue to perform their respective obligations under this Agreement.

13.3.4 Within a period of seven (7) days following the expiry of the Consultation Period unless the Parties shall have otherwise agreed to the contrary or the RPG Event of Default giving rise to the Consultation Period shall have ceased to exist or shall have been remedied, PROCURER may terminate this Agreement by giving a written Termination Notice of sixty (60) days to the RPG.

13.3.5 Subject to the terms of this Agreement, upon occurrence of a RPG Event of Default under this Agreement, the lenders in concurrence with the PROCURER, may exercise their rights, if any, under Financing Agreements, to seek substitution of the RPG by a selectee for the residual period of the Agreement, for the purpose of securing the payments of the total debt amount from the RPG and performing the obligations of the RPG. However, in the event the lenders are unable to substitute the defaulting RPG within the stipulated period, PROCURER may terminate the PPA and may acquire the Project assets for an amount equivalent to 90% of the debt due or less as mutually agreed, failing which, the lenders may exercise their mortgage rights and liquidate the Project assets.

Provided that any substitution under this Agreement can only be made with the prior consent of PROCURER including the condition that the selectee meets the eligibility requirements of Request for Selection (RfS) issued by Madhya Pradesh Urja Vikas Nigam Limited and accepts the terms and conditions of this Agreement.

13.3.6 The lenders in concurrence with PROCURER, may seek to exercise right of substitution under Article 13.3.5 by an amendment or novation of the PPA in favour of the selectee. The RPG shall cooperate with PROCURER to carry out such substitution and shall have the duty and obligation to continue to operate the Power Project in accordance with this PPA till such time as the substitution is finalized. In the event of Change in Shareholding/ Substitution of

Promoters triggered by the Financial Institutions leading to signing of fresh PPA with a new entity, an amount of Rs. 1 Lakh per MW +18% GST per transaction as facilitation fee (non-refundable) shall be deposited by the RPG to PROCURER.

13.3.7 In the event the lenders are unable to substitute the defaulting RPG within the stipulated period, PROCURER may terminate the PPA and may acquire the Project assets for an amount equivalent to 90% of the debt due, failing which, the lenders may exercise their mortgage rights and liquidate the Project assets.

13.3.8 In case of any liquidation of assets of the Project prior to completion of PPA period, the first charges shall be towards recovery of proportionate CFA, towards remaining period of PPA, granted to the Project (Calculation of proportionality shall be based on annual energy generation calculated at 21% CUF and remaining period of PPA)

13.4 *Procedure for cases of PROCURER Event of Default*

13.4.1 Upon the occurrence and continuation of any PROCURER Event of Default specified in Article 13.2, the RPG shall have the right to deliver to PROCURER, a RPG Preliminary Default Notice, which notice shall specify in reasonable detail the circumstances giving rise to its issue.

13.4.2 Following the issue of a RPG Preliminary Default Notice, the Consultation Period of ninety (90) days or such longer period as the Parties may agree, shall apply and it shall be the responsibility of the Parties to discuss as to what steps shall be taken with a view to mitigate the consequences of the relevant Event of Default having regard to all the circumstances.

13.4.3 During the Consultation Period, the Parties shall continue to perform their respective obligations under this Agreement.

13.4.4 After a period of two hundred ten (210) days following the expiry of the Consultation Period and unless the Parties shall have otherwise agreed to the contrary or PROCURER Event of Default giving rise to the Consultation Period shall have ceased to exist or shall have been remedied, PROCURER under intimation to RPG shall, subject to the prior consent of the RPG, novate its part of the PPA to any third party, including its Affiliates within the stipulated period. In the event the aforesaid novation is not acceptable to the RPG, or if no offer of novation is made by PROCURER within the stipulated period, then the RPG may terminate the PPA and at its discretion require PROCURER to either (i) takeover the Project assets by making a payment of the termination compensation equivalent to the amount of the debt due and 150% (one hundred and fifty per cent) of the adjusted equity or, (ii) pay to the RPG, damages, equivalent to 6 (six) months, or balance PPA period whichever is less, of charges for its contracted capacity, with the Project assets being retained by the RPG.

Provided further that at the end of three (3) months period from the period mentioned in this Article 13.4.4, this Agreement may be terminated by the RPG.

13.5 Termination due to Force Majeure

13.5.1 If the Force Majeure Event or its effects continue to be present beyond a period as specified in Article 4.4.2, either Party shall have the right to cause termination of the Agreement. In such an event this Agreement shall terminate on the date of such Termination Notice without any further liability to either Party from the date of such termination

ARTICLE 14: LIABILITY AND INDEMNIFICATION

14.1 Indemnity

14.1.1 The RPG shall indemnify, defend and hold PROCURER harmless against:

- a) any and all third-party claims against PROCURER for any loss of or damage to property of such third party, or death or injury to such third party, arising out of a breach by the RPG of any of its obligations under this Agreement; and
- b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest actually suffered or incurred by PROCURER from third party claims arising by reason of a breach by the RPG of any of its obligations under this Agreement, (provided that this Article 14 shall not apply to such breaches by the RPG, for which specific remedies have been provided for under this Agreement).

14.1.2 PROCURER shall indemnify, defend and hold the RPG harmless against:

- a) any and all third party claims against the RPG, for any loss of or damage to property of such third party, or death or injury to such third party, arising out of a breach by PROCURER of any of their obligations under this Agreement; and
- b) any and all losses, damages, costs and expenses including legal costs, fines, penalties and interest ('Indemnifiable Losses') actually suffered or incurred by the RPG from third party claims arising by reason of a breach by PROCURER of any of its obligations.

14.2 Procedure for claiming Indemnity

14.2.1 Third party claims

a) Where the Indemnified Party is entitled to indemnification from the Indemnifying Party pursuant to Article 14.1.1(a) or 14.1.2(a), the Indemnified Party shall promptly notify the Indemnifying Party of such claim referred to in Article 14.1.1(a) or 14.1.2(a) in respect of which it is entitled to be indemnified. Such notice shall be given as soon as reasonably practicable after the Indemnified Party becomes aware of such claim. The Indemnifying Party shall be liable to settle the indemnification claim within thirty (30) days of receipt of the above notice. Provided

however that, if:

- i) the Parties choose to refer the dispute before the Arbitrator in accordance with Article 16.3.2;
and
- ii) the claim amount is not required to be paid/ deposited to such third party pending the resolution of the Dispute,

the Indemnifying Party shall become liable to pay the claim amount to the Indemnified Party or to the third party, as the case may be, promptly following the resolution of the Dispute, if such Dispute is not settled in favour of the Indemnified Party.

b. The Indemnified Party may contest the claim by referring to the Arbitrator for which it is entitled to be Indemnified under Article 14.1.1(a) or 14.1.2(a) and the Indemnifying Party shall reimburse to the Indemnified Party all reasonable costs and expenses incurred by the Indemnified party. However, such Indemnified Party shall not settle or compromise such claim without first getting the consent of the Indemnifying Party, which consent shall not be unreasonably withheld or delayed.

An Indemnifying Party may, at its own expense, assume control of the defence of any proceedings brought against the Indemnified Party if it acknowledges its obligation to indemnify such Indemnified Party, gives such Indemnified Party prompt notice of its intention to assume control of the defence, and employs an independent legal counsel at its own cost that is reasonably satisfactory to the Indemnified Party.

14.3 Indemnifiable Losses

14.3.1 Where an Indemnified Party is entitled to Indemnifiable Losses from the Indemnifying Party pursuant to Article 14.1.1(b) or 14.1.2(b), the Indemnified Party shall promptly notify the Indemnifying Party of the Indemnifiable Losses actually incurred by the Indemnified Party. The Indemnifiable Losses shall be reimbursed by the Indemnifying Party within thirty (30) days of receipt of the notice seeking Indemnifiable Losses by the Indemnified Party. In case of nonpayment of such losses after a valid notice under this Article 14.3, such event shall constitute a payment default under Article 13.

14.4 Limitation on Liability

14.4.1 Except as expressly provided in this Agreement, neither the RPG nor its/ their respective officers, directors, agents, employees or affiliates (or their officers, directors, agents or employees), shall be liable or responsible to the other Party or its affiliates, officers, directors, agents, employees, successors or permitted assigns or their respective insurers for incidental,

indirect or consequential damages, connected with or resulting from performance or non-performance of this Agreement, or anything done in connection herewith, including claims in the nature of lost revenues, income or profits (other than payments expressly required and properly due under this Agreement), any increased expense of, reduction in or loss of power generation or equipment used therefore, irrespective of whether such claims are based upon breach of warranty, tort (including negligence, whether of PROCURER, the RPG or others), strict liability, contract, breach of statutory duty, operation of law or otherwise.

14.4.2 PROCURER shall have no recourse against any officer, director or shareholder of the RPG or any Affiliate of the RPG or any of its officers, directors or shareholders for such claims excluded under this Article. The RPG shall have no recourse against any officer, director or shareholder of PROCURER, or any affiliate of PROCURER or any of its officers, directors or shareholders for such claims excluded under this Article.

14.5 *Duty to Mitigate*

14.5.1 The Parties shall endeavor to take all reasonable steps so as mitigate any loss or damage which has occurred under this Article 14.

ARTICLE 15: ASSIGNMENTS AND CHARGES

15.1 *Assignments*

This Agreement shall be binding upon, and inure to the benefit of the Parties and their respective successors and permitted assigns. This Agreement shall not be assigned by any Party, except to the Project Lenders or Lender's Representative as security for their debt under the Financing Agreements, other than by mutual consent between the Parties to be evidenced in writing. Such assignment shall be agreed to by PROCURER subject to the compliance of provisions contained in this Agreement and more specifically to the provisions of Article 4.1.1 of this Agreement. In no case, such assignment shall be permissible prior to the declaration of COD.

Provided that, PROCURER shall permit assignment of any of RPG's rights and obligations under this Agreement in favour of the lenders to the RPG, if required under the Financing Agreements. Provided that, such consent shall not be withheld if PROCURER seeks to transfer to any transferee all of its rights and obligations under this Agreement.

The enforcement of the rights and obligation between the RPG and the PROCURER provided in this Agreement shall not be treated as an assignment but an enforcement of the terms agreed under this Agreement.

Provided further that any successor(s) or permitted assign(s) identified after mutual agreement between the Parties may be required to execute a new agreement on the same terms and conditions as are included in this Agreement. An amount of Rs. 1 Lakh per Transaction as Facilitation Fee (nonrefundable) shall be deposited by the RPG to PROCURER. Provided further that, such consent shall not be withheld by the RPG if PROCURER seeks to

transfer to any affiliate all of its rights and obligations under this Agreement.

In the event of Change in Shareholding/ Substitution of Promoters triggered by the Financial Institutions leading to signing of fresh PPA with a New Entity, an amount of Rs. 1 Lakh per Transaction as Facilitation Fee (non-refundable) shall be deposited by the RPG to PROCURER.

15.2 Permitted Charges

15.2.1 RPG shall not create or permit to subsist any encumbrance over all or any of its rights and benefits under this Agreement, other than as set forth in Article 15.1 and the Guidelines.

ARTICLE 16: GOVERNING LAW AND DISPUTE RESOLUTION

16.1 Governing Law

16.1.1 This Agreement shall be governed by and construed in accordance with the Laws of India. Any legal proceedings in respect of any matters, claims or disputes under this Agreement shall be under the jurisdiction of appropriate courts in .

16.2 Amicable Settlement and Dispute Resolution

16.2.1 Amicable Settlement

i. Either Party is entitled to raise any claim, dispute or difference of whatever nature arising under, out of or in connection with this Agreement ("Dispute") by giving a written notice (Dispute Notice) to the other Party, which shall contain:

- (a) a description of the Dispute;
- (b) the grounds for such Dispute; and
- (c) all written material in support of its claim.

ii. The other Party shall, within thirty (30) days of issue of Dispute Notice issued under Article 16.2.1(i), furnish:

- (a) counter-claim and defenses, if any, regarding the Dispute; and
- (b) all written material in support of its defenses and counter-claim.

iii. Within thirty (30) days of issue of Dispute Notice by any Party pursuant to Article 16

- (i) if the other Party does not furnish any counter claim or defense under Article 16
- (ii) or thirty (30) days from the date of furnishing counter claims or defense by the other Party, both the Parties to the Dispute shall meet to settle such Dispute amicably. If the Parties fail to resolve the Dispute amicably within thirty (30) days from the later of the dates mentioned in this Article 16.2.1.

- (iii) the Dispute shall be referred for dispute resolution in accordance with Article 16.3.

16.3 Dispute Resolution

16.3.1 Dispute Resolution by the Appropriate Commission

- i) Where any Dispute or differences arises in relation to this agreement of any nature whatsoever including the construction, interpretation or implementation of the provisions of this agreement as well as claim made by any Party for any change in or determination of the Tariff or any matter related to Tariff or claims made by any Party which partly or wholly relate to any change in the Tariff or determination of any of such claims could result in change in the Tariff, and relates to any matter agreed to be referred to the Appropriate Commission, shall be submitted to adjudication by the Appropriate Commission. Appeal against the decisions of the Appropriate Commission shall be made only as per the provisions of the Electricity Act, 2003, as amended from time to time.
- ii) PROCURER shall be entitled to co-opt the lenders (if any) as a supporting party in such proceedings before the Appropriate Commission.

16.3.2 Dispute Resolution through Arbitration

- i) If the Dispute arising as per Article 16.2.1 is not amicably resolved & such dispute is not covered in Article 16.3.1(i), such Dispute shall be resolved by arbitration under the provisions of the Electricity Act, 2003 (as amended from time to time) as under: Proceedings as well as appointment of the arbitrator(s) shall be carried out by the Appropriate Commissions under the Electricity Act 2003 as amended from time to time. As stipulated by the said Electricity Act 2003, the said arbitration will take place as per the provisions of the Arbitration and Conciliation Act 1996 as amended from time to time.
- ii) The place of arbitration shall be Jabalpur. The language of the arbitration shall be English.
- iii) The Arbitration Tribunal's award shall be substantiated in writing. The Arbitration Tribunal shall also decide on the costs of the arbitration proceedings and the allocation thereof.
- iv) The provisions of this Article shall survive the termination of this PPA for any reason whatsoever.
- v) The award shall be of majority decision.
- vi) PROCURER shall be entitled to co-opt the lenders (if any) as a supporting party in such arbitration proceedings.

16.4 Parties to Perform Obligations

16.4.1 Notwithstanding the existence of any Dispute and difference referred to the Appropriate Commission and save as the Appropriate Commission may otherwise direct by

a final or interim order, the Parties hereto shall continue to perform their respective obligations (which are not in dispute) under this Agreement.

ARTICLE 17: MISCELLANEOUS PROVISIONS

17.1 *Amendment*

17.1.1 This Agreement may only be amended or supplemented by a written agreement between the Parties.

17.2 *Third Party Beneficiaries*

17.2.1 This Agreement is solely for the benefit of the Parties and their respective successors and permitted assigns and shall not be construed as creating any duty, standard of care or any liability to, any person not a party to this Agreement.

17.3 *Waiver*

17.3.1 No waiver by either Party of any default or breach by the other Party in the performance of any of the provisions of this Agreement shall be effective unless in writing duly executed by an authorised representative of such Party.

17.3.2 Neither the failure by either Party to insist on any occasion upon the performance of the terms, conditions and provisions of this Agreement nor time or other indulgence granted by one Party to the other Parties shall act as a waiver of such breach or acceptance of any variation or the relinquishment of any such right or any other right under this Agreement, which shall remain in full force and effect.

17.4 *Confidentiality*

17.4.1 The Parties undertake to hold in confidence this Agreement and not to disclose the terms and conditions of the transaction contemplated hereby to third parties, except:

- a) to their professional advisors;
- b) to their officers, contractors, employees, agents or representatives, financiers, who need to have access to such information for the proper performance of their activities; or
- c) disclosures required under Law, without the prior written consent of the other Party.

17.5 *Severability*

17.5.1 The invalidity or unenforceability, for any reason, of any part of this Agreement shall not prejudice or affect the validity or enforceability of the remainder of this Agreement, unless the part held invalid or unenforceable is fundamental to this Agreement.

17.6 **Notices**

17.6.1 All notices or other communications which are required to be given under this Agreement shall be in writing and in the English language.

17.6.2 If to the RPG, all notices or other communications which are required must be delivered personally or by registered post or facsimile or any other method duly acknowledged to the addresses below:

Address:

Attention:

Email:

Fax. No. :

Telephone No. :

17.6.3 If to PROCURER, all notices or communications must be delivered personally or by registered post or facsimile or any other mode duly acknowledged to the address(es) below:

Address:

Attention:

Email:

Fax. No. :

Telephone No. :

17.6.4 All notices or communications given by facsimile shall be confirmed by sending a copy of the same via post office in an envelope properly addressed to the appropriate Party for delivery by registered mail. All notices shall be deemed validly delivered upon receipt evidenced by an acknowledgement of the recipient, unless the Party delivering the notice can prove in case of delivery through the registered post that the recipient refused to acknowledge the receipt of the notice despite efforts of the postal authorities.

17.6.5 Any Party may by notice of at least fifteen (15) days to the other Party change the address and/ or addresses to which such notices and communications to it are to be delivered or mailed.

17.7 **Language**

17.7.1 All agreements, correspondence and communications between the Parties relating to this Agreement and all other documentation to be prepared and supplied under the Agreement shall be written in English, and the Agreement shall be construed and interpreted in accordance with English language.

17.7.2 If any of the agreements, correspondence, communications or documents are

prepared in any language other than English, the English translation of such agreements, correspondence, communications or documents shall prevail in matters of interpretation.

17.8 *Restriction of Shareholders / Owners' Liability*

17.8.1 Parties expressly agree and acknowledge that none of the shareholders of the Parties hereto shall be liable to the other Parties for any of the contractual obligations of the concerned Party under this Agreement. Further, the financial liabilities of the shareholder/s of each Party to this Agreement, shall be restricted to the extent provided in the Indian Companies Act, 2013.

17.9 *Taxes and Duties*

17.9.1 The RPG shall bear and promptly pay all statutory taxes, duties, levies and cess, assessed/ levied on the RPG, contractors or their employees that are required to be paid by the RPG as per the Law in relation to the execution of the Agreement and for supplying power as per the terms of this Agreement.

17.9.2 PROCURER shall be indemnified and held harmless by the RPG against any claims that may be made against PROCURER in relation to the matters set out in Article 17.9.1.

17.9.3 PROCURER shall not be liable for any payment of, taxes, duties, levies, cess whatsoever for discharging any obligation of the RPG by PROCURER on behalf of RPG.

17.10 *Independent Entity*

17.10.1 The RPG shall be an independent entity performing its obligations pursuant to the Agreement.

17.10.2 Subject to the provisions of the Agreement, the RPG shall be solely responsible for the manner in which its obligations under this Agreement are to be performed. All employees and representatives of the RPG or contractors engaged by the RPG in connection with the performance of the Agreement shall be under the complete control of the RPG and shall not be deemed to be employees, representatives, contractors of PROCURER and nothing contained in the Agreement or in any agreement or contract awarded by the RPG shall be construed to create any contractual relationship between any such employees, representatives or contractors and PROCURER.

17.11 *Compliance with Law*

Despite anything contained in this Agreement but without prejudice to this Article, if any provision of this Agreement shall be in deviation or inconsistent with or repugnant to the

provisions contained in the Electricity Act, 2003, or any rules and regulations made there under, such provision of this Agreement shall be deemed to be amended to the extent required to bring it into compliance with the aforesaid relevant provisions as amended from time to time.

17.13 ***Breach of Obligations***

The Parties acknowledge that a breach of any of the obligations contained herein would result in injuries. The Parties further acknowledge that the amount of the liquidated damages or the method of calculating the liquidated damages specified in this Agreement is a genuine and reasonable pre-estimate of the damages that may be suffered by the non-defaulting party in each case specified under this Agreement.

IN WITNESS WHEREOF the Parties have caused the Agreement to be executed through their duly authorized representatives as of the date and place set forth above.

For and on behalf of
[PROCURER]

For and on behalf of [RPG]

Name, Designation and Address Name, Designation and Address

Signature with seal

Signature with seal

Witness:

- 1.
- 2.

Witness:

- 1.
- 2.

APPENDIX 1 of PPA – Standard Operating Procedure (SOP)

Separately attached as below.

APPENDIX 1 of RFP– SOP of State Bank of India and other banks

Separately attached as below

APPENDIX 2 of PPA – RMS Specifications

Separately attached as below

APPENDIX 2 of RFP – Format for Insurance Surety Bond

(To be stamped on non – judicial stamp paper of minimum INR 1000)

[Bidder(s) may utilize it towards Bid Security as per their eligibility]

Ref. _____

Insurance Surety Bond No. _____

Date: _____

To,

Madhya Pradesh Urja Vikas Nigam Limited

(A Government of Madhya Pradesh Enterprise)

Urja Bhawan, Link Road No. 2,

Shivaji Nagar, Bhopal - 462016

In consideration of the (Insert Name of Bidder) (hereinafter referred to as Bidder) submitting the response to RFP for Selection of Renewable Power Generators (RPGs) for Implementation of cumulative _____ MW of Grid Connected Solar PV Systems for Sale of Solar Power to MPPMCL under feeder solarization component of PM KUSUMC at various locations in the state of Madhya Pradesh, India in response to the RFP No. _____ Dated _____ issued by Madhya Pradesh Urja Vikas Nigam Limited (hereinafter referred to as Nodal Agency) and Nodal Agency considering such response to the RFP of _____ as per the terms of the RFP, the [insert name & address of Surety Insurer] (hereinafter referred to as Surety Insurer) hereby agrees unequivocally, irrevocably and unconditionally to pay to Nodal Agency at (insert address of Nodal Agency) forthwith on demand in writing from Nodal Agency or any Officer authorized by it in this behalf, any amount up to and not exceeding (Insert Amount) Only, on behalf of M/s (Insert Name of Bidder).

This Insurance Surety Bond shall be valid and binding on this Surety Insurer up to and including [insert date of validity in accordance with this RFP] and shall not be terminable by notice or any change in the constitution of the Surety Insurer 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 Insurance Surety Bond is restricted to Rupees (Rupees _____ Only) Our Insurance Surety Bond shall remain in force until [insert date of Bid Validity in accordance with this RFP]. Only Nodal Agency shall be entitled to revoke this Insurance Surety Bond till _____ [Insert date which is 30 days after the date in the

preceding sentence].

The Guarantor Surety Insurer hereby agrees and acknowledges that only the Nodal Agency shall have a right to revoke this INSURANCE SURETY BOND in part or in full, as it may deem fit.

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

The Guarantor Surety Insurer shall make payment hereunder on first demand without restriction or conditions and notwithstanding any objection by _____ [Insert name of the Bidder] and/or any other person. The Guarantor Surety Insurer shall not require Nodal Agency to justify the invocation of this INSURANCE SURETY BOND, nor shall the Guarantor Surety Insurer have any recourse against Nodal Agency in respect of any payment made hereunder.

This INSURANCE SURETY BOND shall be interpreted in accordance with the laws of India and the courts at Bhopal shall have exclusive jurisdiction. The Guarantor Surety Insurer represents that this INSURANCE SURETY BOND has been established in such form and with such content that it is fully enforceable in accordance with its terms as against the Guarantor Surety Insurer in the manner provided herein.

This INSURANCE SURETY BOND shall not be affected in any manner by reason of merger, Amalgamation, restructuring or any other change in the constitution of the Guarantor Surety Insurer.

This INSURANCE SURETY BOND shall be a primary obligation of the Guarantor Surety Insurer and accordingly Nodal Agency shall not be obliged before enforcing this INSURANCE SURETY BOND to take any action in any court or arbitral proceedings against the Bidder, to make any claim against or any demand on the Bidder or to give any notice to the Bidder or to enforce any security held by Nodal Agency or to exercise, levy or enforce any distress, diligence or other process against the Bidder.

Notwithstanding anything contained hereinabove, our liability under this Guarantee is restricted to Rupees (Rupees _____ only) and it shall remain in force until [Date to be inserted on the basis of this RFP] with an additional claim period of thirty (30) days thereafter i.e.

We are liable to pay the guaranteed amount or any part thereof under this Insurance Surety Bond only if Nodal Agency serves upon us a written claim or demand.

In witness where of the Insurer, through its authorized officer, has set its hand and stamp on this.....day of.....20.....at.....

.....

(Signature)

.....

(Name)
.....

(Designation with Insurer Stamp)
Authorized Vide Power of Attorney No.....
Date.....

APPENDIX 3 of PPA – Format For Escrow Agreement

(To be stamped on non – judicial stamp paper of minimum INR 1000)

ESCROW AGREEMENT

THIS AGREEMENT ("Escrow Agreement") is made and executed on this ----- day of _____(month) 2022 (the "Agreement Date"), is by and among:

1. M/s. _____, an LLP/ Proprietorship/ Partnership firm or a Company, registered under _____ [Company/ LLP/ Partnership Act etc.], formed as Special Purpose Vehicle for implementation of Solar Power Project under Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM KUSUM) Scheme, Component-C, having registered office at _____, (hereinafter referred to as the "Renewable Power Generator or RPG" which expression shall, unless it be repugnant to the subject or context thereof, include its successors and permitted assigns);
2. _____, [name of escrow agent] (a body corporate incorporated under the Banking Companies Acquisition and Transfer of Undertakings Act 1970) and having its Registered Office at _____, acting through its _____ Branch, at _____ (hereinafter referred to as the "Escrow Agent" which expression shall, unless it be repugnant to the subject or context thereof, includes its successors and permitted assigns); and
3. _____, [name of financing bank] (a body corporate incorporated under the Banking Companies Acquisition and Transfer of Undertakings Act 1970) and having its Registered Office at _____, hereinafter referred to as "FINANCING BANK", which expression shall, unless it be repugnant to the subject or context thereof, includes its successors and permitted assigns); and
4. Madhya Pradesh Power Management Company Ltd. (MPPMCL), a company duly incorporated and validly existing under the laws of India with corporate identification no. and having its registered office at Shakti Bhawan, Rampur, Jabalpur – 482008, M.P. is the holding company of all 3 distribution licensees, namely M.P. Madhya Kshetra Vidhyut Vitaran Company Ltd., M.P. Poorv Kshetra Vidhyut Vitaran Company Ltd and M.P. Paschim Kshetra Vidhyut Vitaran Company Ltd. MPPMCL shall be procurer of power generated by M/s. (name of RPG).

[The Renewable Power Generator (RPG), the Escrow Agent, MPPMCL and the Financing Bank are hereinafter collectively referred to as the "Parties" and individually as the "Party".

WHEREAS:

- A. The RPG has availed credit facilities (hereinafter called "the Facility") from FINANCING BANK under Pradhan Mantri Kisan Urja Suraksha evam Utthan Mahabhiyan (PM KUSUM) scheme of Government of India pursuant to arrangement letter, financing and security agreements executed by the RPG in favour of FINANCING BANK. The details of the Facility, the arrangement letter and the financing and security agreements are given in Schedule hereunder.
- B. The RPG has entered into a Power Purchase Agreement (PPA), as defined hereunder with Madhya Pradesh Power Management Company Limited (MPPMCL), where under the MPPMCL has agreed to purchase renewable power from the RPG for such contracted capacity and at the tariff as stated in the Power Purchase Agreement. The RPG has represented that the Tariff Payment (as defined hereunder) at least exceeds the Installment and Interest of the Facility under the Facility Agreement (as defined hereunder)
- C. In order to ensure due repayment of the Facility together with interest and all other amounts due and payable by the Renewable Power Generator or RPG to FINANCING BANK in respect of the Facility the Renewable Power Generator or RPG and the MPPMCL have agreed that the entire payments made in respect of the Renewable Power purchased by the MPPMCL from the Renewable Power Generator or RPG shall be remitted to an Escrow Account to be opened with the Escrow Agent and that the Escrow Agent shall withdraw the amount of Debt Payment Amounts (as hereinafter defined) in priority to allowing all other payments to the RPG in the manner and as per terms and conditions contained hereunder:

NOW THEREFORE, in furtherance of the transaction contemplated hereby and in consideration of the mutual covenants of the parties hereto set forth in this Agreement, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereto hereby agree as follows:

1. Interpretations

1.1 Definitions

Unless the context indicates a contrary intention, all capitalized terms used herein, that are not otherwise defined elsewhere in this Agreement, shall have the respective meanings ascribed to hereunder:

Authorized Representative in relation to a Party means the person who is duly authorized to act on behalf of the relevant Party.

Business Day means a day on which commercial banks including, but not limited to the Escrow Agent, are open for normal business as per the provisions of the Negotiable Instruments Act 1881.

Debt Payment Amount means the Interest, the Installment and all other amounts that are due each month from the RPG to FINANCING BANK under the Facility Agreement

Due Date(s) shall mean, in respect of:

- (a) each Installments, the Installment Payment Dates;
- (b) Interest, the Interest Payment Dates;
- (c) Other amounts payable under the Facility Agreement and other financing documents, as and when such amounts are due.

Escrow Account has the meaning set out to such term in Clause 3.1 hereof.

Escrow Amount means the money lying to the credit of the Escrow Account for the time being and from time to time.

Facility means the term loan facility described in detail in the Schedule.

Facility Account means the term loan account maintained by the RPG with FINANCING BANK In respect of the Facility.

Facility Agreement shall mean the Facility Agreement dated, executed by the RPG in favour of FINANCING BANK for availing the Facility as detailed in Schedule-I hereunder.

Final Settlement Date shall mean the date on which the entire dues payable by the RPG to FINANCING BANK under the Facility Agreement have been paid, discharged or performed in full to the satisfaction of FINANCING BANK and there are no sums which are owed, even contingently, to FINANCING BANK by the RPG as evidenced by a no dues certificate being issued by FINANCING BANK.

Interest means the amount of monthly interest payable by the RPG to FINANCING BANK under the Facility Agreement subject to adjustment of subvention (if any) of the Government of India under the interest Subvention Scheme.

Installment means the amount of monthly/ quarterly installment (as the case may be) of the Facility in terms of repayment schedule in the Facility Agreement.

Interest Payment Date shall mean the last day of each calendar month occurring after the initial disbursement date until the Final Settlement Date.

Installment Payment Date means the last day of the month for which the Interest is due.

Party means any party to this Agreement as relevant and contextual.

Power Purchase Agreement means agreement dated _____ entered into between the

RPG and the MPPMCL, where under the MPPMCL has agreed to purchase renewable power from the RPG or any other item agreed between the RPG and MPPMCL against payment of Purchase Price.

Tariff Payment means all amounts payable by MPPMCL to the RPG under the Power Purchase Agreement (PPA) for supply of Renewable Power by the RPG to MPPMCL from time to time during the subsistence of the Power Purchase Agreement.

2. Appointment of Escrow Agent

The RPG and the Financing Bank jointly designate _____ [name and branch of escrow agent] as the Escrow Agent for the purposes set forth herein, and the Escrow Agent hereby accepts such appointment and agrees to accept, hold and disburse the Escrow Amount in accordance with the terms hereof. All references to the "Escrow Agent, as that term is used herein, shall refer to the Escrow Agent solely in its capacity as such, and not in any other capacity whatsoever, whether as individual, agent, fiduciary, trustee or otherwise.

3. Establishment and Maintenance of Escrow Account

3.1 The Escrow Agent confirms that it shall open an escrow account, in the name of the RPG and Financing Bank (herein after referred to as the "Escrow Account") on the terms of this Agreement, the details of which shall be informed to the Parties in writing by the Escrow Agent.

3.2 The Escrow Agent shall hold all money forming part of the Escrow Amount as banker subject to the terms of this Agreement, and as a result such money will not be held in accordance with the fixed deposit account rules in Escrow Agent Bank.

3.3 The Parties undertakes to provide to the Escrow Agent all documentation and other information required by the Escrow agent from time to time to comply with all applicable regulations in relation to the Escrow Account forth with upon request by the Escrow Agent.

4. Deposit of Escrow Amount

4.1 The RPG shall raise to the MPPMCL a monthly bill as per the terms of the Power Purchase Agreement and ensure that the MPPMCL remits the entire Tariff Payment to the RPG Escrow Account on regular basis in accordance with Power Purchase Agreement.

4.2 RPG shall ensure that the entire Tariff Payment is remitted/ credited to the Escrow Account by MPPMCL. RPG shall also ensure that, till the Final Settlement Date, no amount shall be paid by MPPMCL directly to the RPG under the Power Purchase Agreement. Provided however, the obligation of the MPPMCL under this clause shall be limited to the obligation of the MPPMCL under the Power Purchase Agreement for Tariff Payment.

4.3 RPG hereby authorizes MPPMCL to remit the entire Tariff Payment to the Escrow Account and such payment by MPPMCL to the Escrow Account shall be construed as a valid discharge by MPPMCL of its obligations for Tariff Payment for supply of Renewable Power under the Power Purchase Agreement to the RPG as per the monthly bill issued to the MPPMCL under the Power Purchase Agreement. MPPMCL hereby agree and undertake to remit all amounts payable to RPG under the Power Purchase Agreement including Tariff Payment directly to the

Escrow Account.

4.4 All amounts deposited as per clause 4.1, 4.2 and 4.3 hereinabove and held in the Escrow Account and credited to the Escrow Account from time to time shall be deemed to form part of the Escrow Amount.

4.5 The Escrow Amount will not bear any interest, unless the Escrow Amount is invested, at the written request of the RPG, as term deposits of Escrow Agent Bank for such time as may be required. Notwithstanding the same, at all times, the RPG shall ensure that the amount equivalent to Debt Payment Amount for [] months is available in the Escrow account and only the residual amounts are invested in term deposits.

4.6 The RPG as well as the Financing Bank agrees that the Escrow Agent shall have no responsibility whatsoever to ensure that the MPPMCL deposits the Tariff Payment to the Escrow Account.

5. Withdrawal from Escrow Account

5.1 The Escrow Agent is hereby authorized by RPG, to hold back from the Escrow Amount, funds equivalent to the Debt Payment Amount for [] months and to remit the Debt Payment Amount on respective Due Dates to the Facility Account of the Financing Bank towards the payment of Interest, installment of the Facility or any other amount due under the financing documents.

5.2 The RPG will be entitled to make withdrawals/ investments only from the balance funds available in the Escrow Account after the satisfaction of the terms stipulated under Clause 5.1 above.

5.3 Notwithstanding the same, if, during any month, the remittances into the Escrow Account is not sufficient to maintain the Debt Payment Amount for [] months as stipulated in Clause 5.1 above, RPG will not be entitled to make any withdrawals/ Investments from the Escrow Amount till such time the Debt Payment Amount for [] months is accrued in the Escrow Account. In such circumstances RPG shall transfer funds equivalent to the shortfall to the Escrow Account at least 3 Business Days before the Due Dates so that the Interest, Installment or other amount due can be paid on the Due Dates.

5.4 Upon happening of an event of default under the financing documents including the Facility Agreement and during the continuance thereof, for effecting withdrawals, the Escrow Agent shall act only upon the instructions of the FINANCING BANK to the exclusion of any instructions issued by RPG in this regard.

6. Tax Matters

The RPG and the Financing Bank agree that, for Tax reporting purposes, all taxable interest on or other income, if any, attributable to the Escrow Amount shall be allocable to the RPG. All income earned from the cash and investments of the Escrow Amounts held in the Escrow Accounts shall be taxable to the RPG and shall be reportable by the Escrow Agent to the Income tax or any other taxing authority, whether or not such income has been distributed during such year. The Escrow Agent shall have no responsibility for the preparation and/or filing

of any tax or information return with respect to any transactions, whether or not related to this Agreement that occurs outside the Escrow Amount.

7. Rights, Obligations and Indemnification of the Escrow Agent

7.1 In performing any of its duties under this Agreement, or upon the claimed failure to perform its duties hereunder, the Escrow Agent shall not be liable to anyone for any damages, losses, or expenses that such party may incur as a result of the Escrow Agent so acting or failing to act (save except for damages arising out of its own gross negligence or willful misconduct as finally determined by a court of competent jurisdiction). Accordingly, the Escrow Agent shall not incur any such liability with respect to: (i) any action taken or omitted to be taken in good faith and without gross negligence or willful misconduct; or (ii) any action taken or omitted to be taken in reliance (including reliance not only as to a document's due execution and the validity and effectiveness of its provisions, but also as to the truth and accuracy of any information contained therein) upon any document, including any written notice, request or instruction provided for in this Agreement, that the Escrow Agent shall, in good faith and with exercise of due care, believe to be genuine without inquiry and without requiring substantiating evidence of any kind, to have been signed or presented by a proper Person or Persons and to conform with the provisions of this Agreement.

7.2 The RPG hereby agree to indemnify and hold the Escrow Agent and its directors, officers, agents and employees (collectively, the "Escrow Agent Indemnitees") harmless from and against any and all claims including third party claims, liabilities, losses, damages, fines, penalties and expenses, including out-of-pocket, incidental expenses and reasonable legal fees and expenses ("Escrow Agent Losses that may be imposed on, incurred by, or asserted against, the Escrow Agent Indemnitees or any of them in connection with or arising out of the Escrow Agent's performance under this Agreement; provided that the Escrow Agent has acted in good faith and without gross negligence or willful misconduct. The provisions of this Clause 7.2 shall survive the termination of this Agreement.

8. Liability of RPG

The RPG agrees that the authority granted to the Escrow Agent under Clause 5 of this Agreement for withdrawal of Debt Payment Amount for Credit to Facility Account on each Due Date shall not absolve the RPG from its obligation for payment of any or all amounts due by the RPG to FINANCING BANK under the Facility Agreement and that in case of inability of the Escrow Agent for any reasons, including but not limited to insufficiency of balance in the Escrow Account or if any part of the Escrow Amount, is at any time attached, garnished or levied upon under any court order, or operation of the Escrow Account is stayed or enjoined by any court order, or any order, judgment or decree shall be made or entered by any court affecting the Escrow Account, then in any of such events, the Escrow Agent shall provide the RPG, Financing Bank and the MPPMCL with prompt written notice of any such events and the RPG shall forthwith be liable for payment of Interest and Installment of the Facility in terms of the Facility Agreement.

8A. Charge

RPG may create security interest by way of hypothecation or otherwise over the Escrow Account and Escrow Amount towards security in favour of the FINANCING BANK/security trustee acting for the benefit of FINANCING BANK for the credit facilities availed by RPG.

9. Fees.

The RPG shall be liable for the fees and expenses of the Escrow Agent for so long as any portion of the Escrow Amount is held by the Escrow Agent under this Agreement. The amount of such fees shall be agreed upon between the RPG and the Escrow Agent at the time of execution of this Agreement and such amount shall be construed as fees for the purpose of this Clause 9. The Escrow Agent shall have, and is hereby granted, a first lien upon the Escrow Amount with respect to its unpaid fees or non-reimbursed expenses under this Agreement.

10. Notices and Instructions.

Any notices, account statements, consents or other communication required to be sent or given hereunder by any of the parties hereto or FINANCING BANK shall, in every case, be in writing and be sent or given to each party referenced in this Agreement, and shall be deemed properly served if (a) delivered personally, (b) delivered by a recognized courier service, or (c) sent by facsimile/ e-mail transmission with a confirmation copy sent by courier, in each case, to the parties at the addresses and facsimile numbers/ e mail as may be furnished in writing by each Party to the other.

11. Governing Law and Jurisdiction.

This Agreement and the rights and obligations of the parties hereto hereunder shall be governed in all respects, including validity, interpretation and effect, by the laws of India. In case of any disputes, differences, the parties shall have the exclusive jurisdiction of courts of Bhopal.

12. Amendment and Waiver.

This Agreement may be amended or any provision of this Agreement may be waived off, provided that any such amendment or waiver will be binding on a party hereto only if such amendment or waiver is set-forth in a writing executed by all the Parties.

13. Term.

This Escrow Agreement shall come into force on the date hereof and shall remain in full force and effect until the repayment of the entire Loan amount, interest and any other costs accruing thereof, to Financing Bank.

14. Termination.

Subject to the terms hereof, this Agreement shall continue till the Final Settlement Date and MPPMCL shall be discharged of its obligation under Clause 4 of this Agreement upon receipt of intimation from FINANCING BANK that the MPPMCL stands discharged of its obligation under Clause 4.

The services of the Escrow Agent may be terminated by RPG at the instance of or with the approval of FINANCING BANK, by giving not less than 60 (sixty) days prior written notice to that effect to each of the other Parties hereto. Following the notice of termination issued pursuant to the preceding paragraph, RPG shall, with the approval of FINANCING BANK, forthwith appoint

the Substitute Escrow Agent and shall establish new Escrow Account.

15. Assignment of Interests.

No assignment of the interest of any of the Parties hereto shall be binding upon the Escrow Agent unless and until written notice of such assignment shall be filed with and acknowledged by the Escrow Agent.

16. Non liability of MPPMCL

Financing Bank and the Escrow agent shall have no recourse against MPPMCL whatsoever pursuant to this Agreement and MPPMCL shall not be liable to any Party for default by the RPG of its obligation of repayment of dues under the Facility Agreement or for any other breach thereof and the obligation of the MPPMCL shall be limited to remittance of amount released towards. Tariff Payment in the Escrow Account as desired under Power Purchase Agreement.

17. Dispute Resolution

In the case of any claims, disputes or any difference between the Parties arising out of or in relation to this agreement including but not limited to disputes or differences as to the validity of this Agreement or interpretation of any of the provisions of this agreement or losses or damages arising under this agreement or Indemnity, the same shall be resolved by mutual discussion. In the event that the dispute or event is not resolved by mutual discussion, such claims, disputes or differences, may be brought before the competent courts in Bhopal for adjudication by the Party concerned.

18. Exclusive limitation of liability of MPPMCL

Notwithstanding anything contained anywhere and in any context under the above Agreement, the role and accountability of MPPMCL shall be limited only and only to ensure that all tariff payments as required under concerned PPA is remitted in a designated bank account as notified by RPG and concerned bank i.e. FINANCING BANK and Escrow Agent Bank as per this agreement. Further, this account shall not be changed or varied without prior written no-objection certificate (NOC) from the concerned bank i.e. Financing Bank and Escrow Agent Bank as per this agreement.

19.

SCHEDULE

<state the details of the Facility>

IN WITNESS WHEREOF, this Agreement has been duly executed as of the date first written above by the duly Authorized Representatives of Parties as stated hereunder.

For and on behalf of RPG:

ESCROW AGENT: For and on behalf of:

_____ **Bank**

Signature:

Signature:

Name:

Name:

Title:

Title:

Date:

Date:

Stamp:

Stamp:

For and on behalf of MPPMCL:

Signature:

Name:

Title:

Date:

Stamp:

Standard Operating Procedure

for

Ease of Doing Business

in

Implementation of Component-A and Component-C

of

PM KUSUM Scheme

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1. Identification of Solar Power Injection Capacity at 33/11 kV Substations

- i. The list of sub stations is to be updated by the discoms keeping in mind the following considerations
 - a. The A and B category agricultural feeders shall be run simultaneously during day hours and will have to cater to the peak load on the feeder.
 - b. Sub stations at the tail end of a long 33KV line should also be included since there is a chronic low voltage situation in such sub stations.

Injection at the sub stations under category (a) will be on the 11KV side subject to availability of bay space. Injection at the sub stations under category (b) will be preferably on the 11 KV side and can also be done on the 33KV side.

In case the bay space has been shown to be available in the list of substations provided by DISCOMs to MPUVNL, DISCOM should keep the bay space reserved and should not be utilized by the DISCOM elsewhere. If in any exigency, the earmarked space is used by the Discom then that should be under pre-intimation to MPUVNL so that MPUVNL updates the same in the list. In such situation, RPG would have to arrange land for bay space adjoining to concerned substations.

- ii. For KUSUM-C projects: The Solar Power injection capacity to be decided based on peak load considering simultaneous operation of A & B feeders and the applicable CFA shall be in accordance with guidelines, issued by MNRE on 17.01.2024 and subsequent amendments thereof, applicable for beneficiaries coming under KUSUM C Scheme.
- iii. Capacities identified under above criteria (a) and (b) can be installed with a ceiling of 2MW for projects under KUSUM-A. Under KUSUM-C capacities over CFA eligibility limit may also be allowed.
- iv. Solar power injection capacity at 11 kV side of PTR will be limited to 100% of PTR capacity.
- v. Procedure for selection of RPG (to be coordinated by MPUVNL).

2. Procedure for selection of RPG

- i. The concerned DISCOM shall prepare PTR-wise information of all connected 11 kV feeders and provide the information to MPUVNL as per Format-A. Discoms shall ensure that the information of all the PTRs having agricultural load are included.

- ii. The list of 33/11 KV sub-station as provided by DISCOM shall be segregated for KUSUM-A & C Scheme. To avoid duplication the data will be reconciled with the list of 33/11 KV sub-station which have already been considered for connectivity under A & C component.
- iii. MPUVNL shall carry-out the procedure for selection of RPG. On selection of RPG, MPUVNL shall issue LoA. The proposal with necessary documents shall be sent to MPPMCL for executing PPA with the RPG. Thereafter the RPG shall obtain connectivity at the sub-station end from respective Discom.

S.No.	Steps	Respon- sibility	Description	Timelines (Days)
1.	Selection of RPG	MPUVNL	Kusum A – Online application from 1st to 15th day of every month Evaluation and Document verification	S0 S0+15
			Kusum C – Through Tender Process	As per Tender Timelines
2.	Issuance of LOA	RPG / MPUVNL	Kusum A – EMD Deposit - RPGs has to submit EMD for Rs. 1 Lakh/ MW LOA Issuance by MPUVNL	S0+21 L1=S0+30
		MPUVNL	Kusum C – After Financial Opening (F0) and Rate Approval by BoD.	L1 = F0+30
3.	Tariff Adoption	MPUVNL	Kusum C – MPUVNL shall file a petition before Hon'ble Commission for adoption of tariff in the matter of	F0+15

			tariff discovered in KUSUM-C Scheme.	
4.	PPA Execution	RPG	Kusum A & C – SPV formation (if any)/submission of documents as per checklist. (Annexure B)	L1+30
		MPUVNL	Kusum A & C – Forwarding of PPA documents to MPPMCL	L1+45
		MPPMCL	After adoption of tariff by MPERC in respect of KUSUM-C the list of beneficiary shall be shared with MPPMCL for obtaining administrative approval of the Board and GoMP as per DoP of MPPMCL.	AA
		MPPMCL	Kusum A & C – PPA signing	AA+30
5	Bank loan	RPG	Kusum A & C – MPUVNL shall facilitate for sanction of loan	P1 = As per established norm and timeline of banks
6	Escrow agreement	RPG, Bank and MPPMCL	Kusum A & C – After submission of request for Escrow agreement by Bank.	P1+10
7	Connectivity & Clearances	RPG / DISCOM	Kusum A & C – DISCOM to provide connectivity to the selected RPG at the sub-station.	As per Point 4 of the SOP

			<p>List of mandatory documents/ list of clearances required from RPG is as follows:</p> <ul style="list-style-type: none"> a) PPA b) CEIG drawing approval c) NOC of MP Transco, (applicable for 33 kV side of injection) d) Document of registration of project with MPNRED 	
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3. Technical Specifications & Documents Required.

In order to streamline and standardize the procedure for application processing and setting up of solar power plants under the scheme, the following guiding procedures are to be followed:

- i) There will be no need for a separate in-principle approval for grid connectivity.
- ii) Discoms shall prepare a standardized estimate for grid connectivity on a per KM basis, DP structure, bay and crossings. Adherence to this estimate by RPG for injection at the substations identified as per clause 1 shall constitute an in-principle approval. The RPG shall submit an application with the single line diagram for the construction of the 11 kV or 33 kV line and HT connected in the office of concerned General Manager (O&M).
- iii) The RPG shall start setting up the solar power plant, 11 kV or 33 kV line (with 11 kV or 33 kV outdoor type circuit breakers at both end of the line) and 11 kV or 33 kV bay (as applicable) as per the layout plan & material specifications and CEA (Technical Standards for construction of electrical plant and electrical lines) Regulations 2010. There should be assessment on whether the protection system in substation needs to be upgraded or properly coordinated. Such upgradation would be done by concerned Discom at their expense.
- iv) CEIG shall approve the SLD and Plant lay-out and all necessary approvals within timelines determined as per Lok Seva Pradaay Guarantee Adhiniyam 2010 (Notification-). The specimen drawing and design for a 2MW solar plant submitted by CEIG shall be made available to the SPG for adherence of the norms specified.

SPG shall be required to submit the design, drawing and completion report time to time to CEIG with scheduled fee. The specimen drawing and design are attached at Annexure-C.

- v) The RPG to give at least 3 days prior notice to concerned Dy General Manager (O&M) for required shutdown towards 11 kV or 33 kV line constructions.
- vi) The RPG to submit application at concerned Dy General Manager (O&M) apprising the completion of 11 kV or 33 kV line, 11 kV or 33 kV bay (as applicable) construction and installation of solar power plant along with copy of electrical inspector certificate and copy of the same along-with the metering plan to GM (O&M), of concerning area of Discom for approval. Discoms shall publish a list of empaneled meter manufacturers and shall update the list regularly so that the RPGs would have this information beforehand.
- vii) After completion of 50% of work at site, RPG to request concerned General Manager(O&M) for issuance of demand note for testing of metering equipment, meters i.e. 11 kV or 33 kV CT-PT Set (main and standby), as applicable and ABT meters (main, check and standby) at NABL accredited laboratory as applicable. The RPG will deposit the applicable testing and inspection fees with the concerned office.
- viii) The rating of CT-PT Set will be as per the capacity of Solar Power Plant and Voltage Level and shall be of 0.2 S accuracy class only, Annexure (D).
- ix) Meter should be of 0.2 S accuracy class and ABT compliant.
- x) The conductor size should be in accordance with the maximum loading capacity and should be selected keeping in view the transmission losses and voltage regulation. To guide broad contours of conductor size viz a viz length of line from substation to solar power plant are as per Annexure (E).

The supports used for erection of lines for power evacuation should be preferably on 9.1 meter long 280 Kg PCC pole/ H-Beam as per size of conductor and site conditions such as road crossing etc. (Schedule of lines annexed at Annexure F)

- xi) Charges for drawl of power for synchronization/auxiliary services etc. by SPG from DISCOM grid shall be levied as per HV7 of the tariff order issued by Hon'ble Commission time to time.
- xii) The solar plants installed under KUSUM-A and KUSUM-C scheme shall be of help in resolving low voltage issue, reactive power management etc. The necessary operation in this regard be incorporated at substation level.

- xiii) As per clause 4.8 (iii) of MNRE guidelines dated 17.01.2024, in case common lines has to be laid for injection at designated substation by more than one RPG, the same would be done on prerogative of Discom, A separate guidelines would be issued by MPPMCL to address the same.

4. Timeline and responsibility matrix

No.	Activity	Activity owner	Timeline	
			Individual	Cumulative
1	Submission of application with single line diagram of the 11 kV or 33 kV line at the office of concerned General Manager (O&M) along with Copy of Power Purchase Agreement (PPA) and letter of award (LoA) requesting sanction for construction of connecting 11 kV or 33 kV line and 11 kV or 33 kV Bay at the concerned 33/11 kV Sub-station and towards drawl of power from the grid for synchronization etc.	RPG	-	E1 (Day 1)
2	Verification of distance of the proposed solar power plant from concerned 33/11 kV Sub-station, feasibility of 11 kV or 33 kV bay construction at 33/11 kV Sub-station and proposed 11 kV or 33 kV line route	Jointly by Concerned Manager (O&M) and RPG	7 days	E1 + 8 days

No.	Activity	Activity owner	Timeline	
3	Preparation, approval and issuance of sanction to RPG towards the estimate for 11 kV or 33 kV line, 11 kV or 33 kV bay with applicable Grid Connectivity Charges (<i>if any</i>) and issuance of demand note towards supervision charges.	Concerned Competent O&M authority (through Manager (O&M))	15 days	E1 + 23 days
4	Deposit of applicable Grid connectivity charges and/or supervision charges (<i>if any</i>) at Manager (O&M) office	RPG	2 days	E1 + 25 days
5	<i>Planning, Designing, Installation work by RPG for 11 kV or 33 kV line (connecting the Solar Power Plant and concerned 33/11 kV Sub-station) and 11 kV or 33 kV bay at Sub-station and solar power plant.</i>			
6	Request letter to RPG for deposit of applicable inspection charges AND applicable charges for testing of CT-PT Set and Meters at NABL Accredited Laboratory	Concerned Manager (O&M)	2 days	T1 + 2 days
7	Deposit of requisite inspection charges AND testing charges for CT-PT Set & Meters at concerned Manager (O&M) office	RPG	3 days	T1 + 5 days
8	Request to GM (O&M) of Discom to depute inspection officer(s) for inspection of power evacuation work by Dy. General Manager(O&M)/	Concerned DGM (O&M)/construction and RPG	5 day	T1 + 10 days

No.	Activity	Activity owner	Timeline	
	construction for i.e. Line, Bay work & Solar plant installation work			
9	<i>Delivery of CT-PT Set and ABT meters by RPG at site.</i>			
10	Letter to SE (Meter Testing) for testing of meters with copy to concerned GM (O&M) and Dy Manager (O&M)	RPG	7 days	T1 +17 days
11	Testing of ABT meters at GM (Meter testing) and handover of meter to concerned GM (O&M)/ O&M wing	Discom's	10 days	T1 + 27 days
12	Installation of tested CT-PT Meters (Testing of CT PT by NABL Lab) and meters at site in the presence of officer(s) of Discom's meter testing wing and concerned Manager (O&M)	RPG	3 days	T1 + 30 days
13	<i>After 100 % work completion at site, RPG to get the solar power plant, 11 kV or 33 kV line, 11 kV or 33 kV bay at Discom's Sub-station, transformers and other protective equipment inspected by Electrical Inspector and get the required compliance certificate in respect of electrical installation to CEA (Technical Standard for Connectivity of the Distributed Generation Resources) Regulations 2013 with amendments thereof and CEA (Measures relating to safety and electric supply) Regulations 2010 with amendments thereof and submit a copy of all documents to concern Manager(O&M) and DGM(O&M) .</i>			
14	Intimation-cum-request letter to GM (O&M), under intimation to corporate	RPG	1 day	F1 (Day 1)

No.	Activity	Activity owner	Timeline	
	office of Discom, for connectivity, commissioning & synchronization of the solar power plant, 11 kV or 33 kV line and transformers with copy to concerned Manager (O&M) along with the copy of approval from CEIG.			
15	Constitute committee for connectivity, synchronization & commissioning to the Solar power plant, 11 kV or 33 kV line and transformers	GM(O&M)	3 day	F1 + 4 Days
16	Site visit by the committee and submission of connectivity, synchronization and commissioning report, joint meter reading report to GM(O&M) with copy to concerned Manager (O&M) office	Committee	5 days	F1 + 9 days
17	Submission of final Joint Meter Reading (JMR) report of each month to GM (O&M), with copy to Commercial (Non-Conventional) MPPMCL and RPG	Concerned GM (O&M) / Manager (O&M)	Monthly basis	

The JMR of all the solar plant under KUSUM-A & C schemes will be provided to SLDC upto third of every month for inclusion in SEA.

5. Review of SOP

1. Standard operating procedure (SOP) can be periodically reviewed and amended by MPUVNL after getting concurrence of Discoms and MPPMCL, if need be.

Annexure-A

Format for estimation of capacity of plant under KUSUM C Scheme

Circle	S.No.	S/s Name	Latitude of Location of S/s	Longitude of Location of S/s	Power Transformer ID, Name	PTR Capacity in MVA	Feeder names	Type of Feeder (IRR/Domestic (DL)/Mixed (MX))	Pump details (Latest)						Energy consumption of FY 2022-23 (feeder wise, in lakh units)	Energy consumption of FY 2021-22 (feeder wise, in lakh units)	Annual Peak Load (Ampere)	Bay/ Bay Space: availability data	
									Number of pumps upto 7.5hp		Number of pumps above 7.5hp		Permanent connection	Temporary connection				Permanent connection	Temporary connection
									Permanent connection	Temporary connection	Permanent connection	Temporary connection							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
Abidnagar	1	Kolua	aaaaaaa	bbbbbbbbb	5122	5	A1	IRR	400	20	500	20	60	55	50				
		Kolua	aaaaaaa	bbbbbbbbb	5122	5	B1	IRR	401	20	501	20	59	54	49				
		Kolua	aaaaaaa	bbbbbbbbb	5122	5	C1	IRR	402	20	502	20	58	53	48				
		Kolua	aaaaaaa	bbbbbbbbb	5123	3.15	A2	IRR	403	20	503	20	57	52	47				
		Kolua	aaaaaaa	bbbbbbbbb	5123	3.15	B2	MX	404	20	504	20	56	51	46				

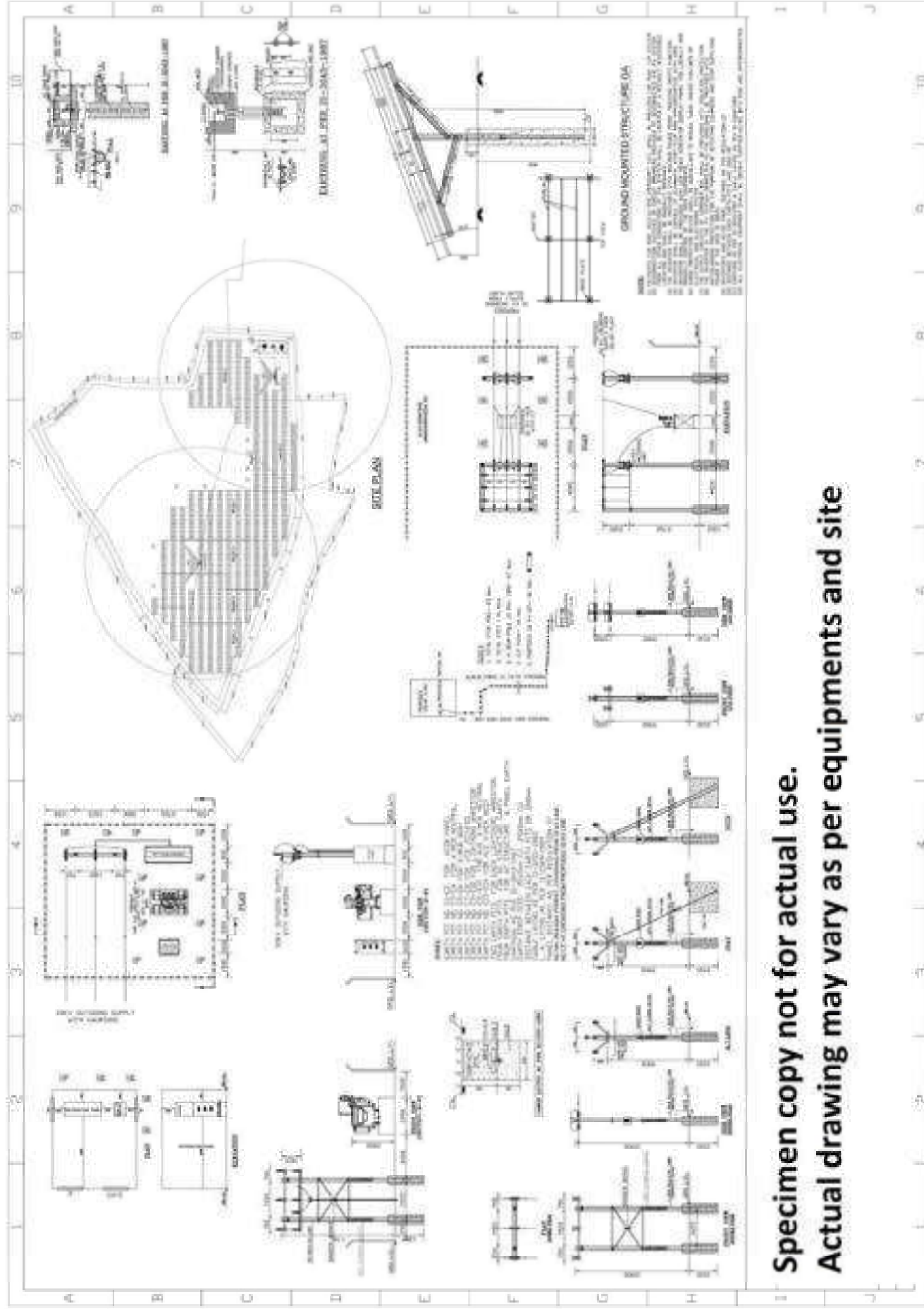
Annexure B

(I) The checklist of documents to be furnished along with SPV (where applicable) is as here under:-

Sr No.	Particular
1	Incorporation certificate of the SPV company
2	All the successful bidders under Kusum C and SPV formed for execution under Kusum A have to submit the GST certificate before connectivity and commissioning of plant.
3	Power of attorney of the SPV company along with certified true copy of Board resolution of SPV company for authorizing for execution of PPA
4	Self-attested copy of LoA & PBG acceptance letter issued by this office
5	AOA & MoA of the SPV company with at-least holding 51% shareholding by the RPG (i.e. successful bidder) in the SPV company and the memorandum of association (MoA) / articles of association (AoA) of the SPV highlighting the relevant provision which highlights the objects relating to solar power plant development as per guidelines.
6	Undertaking for maintaining minimum 51% shareholding in project company (i.e. SPV company) on N.J.S of Madhya Pradesh State worth of Rs.1000/-
7	ID proof of all Directors of the SPV company
8	Bank A/c details of the SPV company

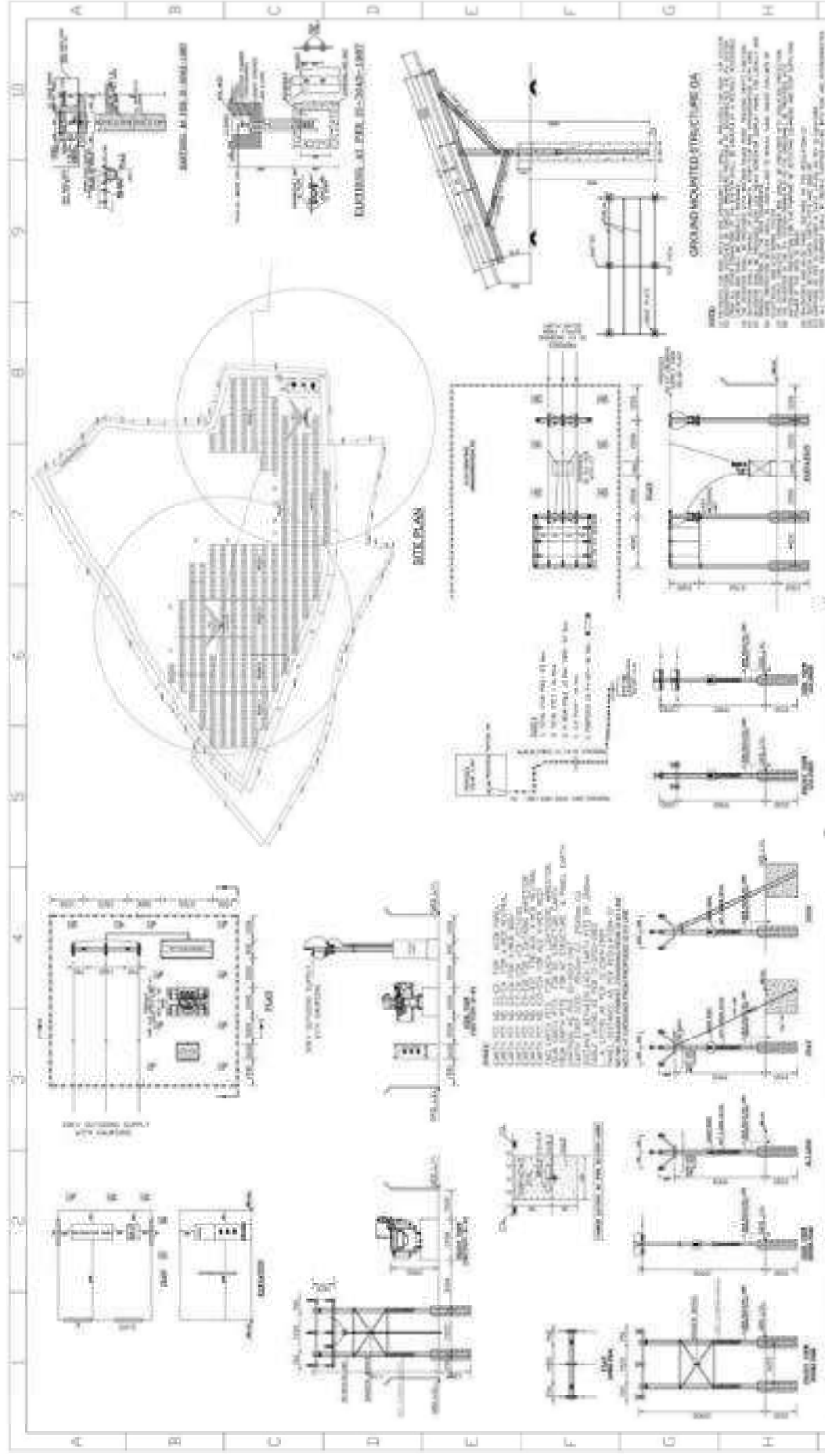
(II) The checklist of documents to be furnished along with PPA is as here under: -

Sr No	Particular
1	Copy of LoA with covering letter
2	SPV certificate of Incorporation (If applicable)
3	Performance Bank Guarantee (PBG)
4	In case of Private Limited Company- Board Resolution in Favour of signing authority along with IDs of all parties including signing authority.
5	In case of partnership/Proprietorship firm- Duly notarized letter of authorization on Non-judicial stamp paper in favour of signing authority along with partnership deed of all parties including signing authority. In case proprietor himself wants to sign PPA, only firm's registration certificate in proprietor's name and his/her ID is required.
6	Two Copies of Draft Power Purchase Agreement as per MNRE guidelines along with 2 Non-notarized Non-Judicial Stamp Papers of Rs.1000/-
7	PPA Annexure as provided by MPPMCL



Specimen copy not for actual use.

Actual drawing may vary as per equipments and site



Specimen Copy not for actual purpose.

Actual drawing may vary as per equipments and site details

Annexure D

Voltage Level	Solar Power Capacity (MW)	Rating of CT-PT Set
11 kV	Upto 1 MW	100/5 Amp
	Above 1 MW - Upto 2 MW	150/5 MW
	Above 2 MW – Upto 3 MW	200/5 Amp
	Above 3 MW - 4 MW	250/5 Amp
	Above 4 MW - 5 MW	300/5 Amp
33 kV	Upto 5 MW	100/5 Amp
	Above 5 MW	As per technical considerations

Annexure E

The conductor size should be in accordance with the maximum loading capacity to maintain Voltage Regulation within 3% and should be selected keeping in view to minimize the transmission losses. To guide broad contours of conductor size viz a viz length of line from substation to solar power plant are as under: -

(a) 11 kV Lines

S No	Length of 11 kV line (in Km)	Solar power injection capacity (in MW)	ACSR Conductor size	Support
1.	< 2 km	Up to 4 MW	75 sq mm (Raccoon)	PCC pole 280 kg, 9.1 m
		Above 4 MW	100 sq mm (Dog)	H-Beam
2.	2 to 4 km	Up to 4 MW	75 sq mm (Raccoon)	PCC pole 280 kg, 9.1 m
		Above 4 MW	100 sq mm (Dog)	H-Beam
3.	Above 4 km	Up to 4 MW	75 sq mm (Raccoon)	H-Beam
		Above 4 MW	100 sq mm (Dog)	H-Beam

(b) 33 kV line

S No	Length of 33 kV line (in Km)	Solar power injection capacity (in MW)	ACSR Conductor size	Support
1.	-	Above PTR capacity (generally >5 MW)	100 sq mm (Dog)	H-Beam

1. The Road crossing should be on 13 Mtr H-Beam
2. DP structure on each 1 km line apart from turning and tapings as per current practice
3. Average span of 11 kV line shall be maximum 60 mtr and after every one km of line a DP structure should be provided.

Current Schedule of rates (SoR) shall be applied for cost estimation.

COST SCHEDULE - C-2.1 (Modified)

1 KM OF 11 KV LINE ON 13 Mtr H-BEAM with ACSR Dog Conductor maximum Span 70 Mtrs

Sl. No.	Item Code	Particulars	Unit	For Rate	HSN or SAC Code	Qty.	Total Amt. (Rs.) using F.O.R. rates Rate	Erection rates	Total Amt. of Erection
1	2	3	4	5	6	7	8	9	10
1	M-0501066	H-Beams 152 X 152 mm., 37.1 Kg./Mtr.-13 mtr. Long = 482.3 kg	no.	33110	7216	14	463539	2768	38752
	M-0501067	H-Beams 152 X 152 mm., 37.1 Kg./Mtr.-11 mtr. Long = 408.1 kg for STUD	No.	29122	7216	1	29122	2149	2149
2	M-0502010	11 KV 'V' cross-arms angle type (65x65x6 mm angle)	No.	1128	7216	14	15797	135	1890
3	M-0502019	Back clamps (65x8 mm flat) for H-Beam	No.	175	7216	30	5252	0	0
4	M-0502367	11 KV Single pole cut point fitting 100x50x6 mm channel	Set	3153	7216	1	3153	509	509
5	M-0502185	11 KV Side cross arm 75x40x6 mm Channel	No.	3232	7216	0	0	175	0
6	M-0403096	Earthing Coil (coil of 115 turns of 50 mm.dia. and 2.5 Mtrs. lead of 4.0 mm. G.I wire)	No.	116	7217	14	1618	0	0
7	M-0602002	11 KV Pin insulator Polymer Composite (5KN) FRP dia 24mm	No.	169	8546	42	7118	34	1428
8	M-0401002	ACSR Dog conductor 0.10 sq. inch (100 sq.mm. Al.Eq.), (6/4.72 + 7/1.57 mm)	Km.	87862	7614	3.1	272372	12000	37200
9	M-0404231	Jointing Sleeves suitable for 100 Sq. mm.Al. Eq. AAAC conductor	No.	186	7308	6	1115	261	1566
10	M-0502231	Painted Stay set 20 mm. complete with turn buckles	Nos.	1093	7217	5	5464	677	3385
11	M-0403014	Stay wire 7/4mm. kg per stay for H-Beam / PCC Pole 280 Kg. 9 m @ 7.5, 11 m @ 8.50, 13 m @ 10, 15 m @ 12	kg	82	7217	50	4082	0	0
12	M-0502261	Clamp suitable for 152 X 152 mm., 37.1 Kg./mtr H-Beam	Set	292	7216	5	1461	0	0
13	P-0702056	Stone Block/Pre cast block for base pedding 450x450x75mm	No.	281	99541	14	3930	0	0
14	P-0001037	Concreting (1:3:6) 0.36 Cmt for [H-Beam - 7 m, 9 m & RSJ 9.3 m, PCC Pole DP / TP/4P/6P of 140 kg. 8 m 200 Kg. 9 m 280 Kg. 9 m], 0.56 Cmt for 11 m, 0.60 Cmt for 13 m, 0.67 Cmt for 15 m Per Pole including muffing with Pole Pit digging by Hydra M/c.	Cmt. (1:3:6)	4729	99541	8.4	39720	630	5292
15	P-0001037	Concreting of stay @ 0.3 cmt. per stay	Cmt. (1:3:6)	4729	99541	1.5	7093	630	945
16	M-1214001	Red oxide paint	Ltr.	94	3208	20	1871	270	5400
17	M-1214002	Aluminium paint	Ltr.	198	3208	20	3951	192	3840
18	M-0403016	Anti climbing devices	No.	306	7313	15	4592	40	600
19	M-0502429	Danger Boards Enamalled Type 11KV	No.	69	8310	14	970	29	406
20	M-0404370	Binding wire and tape	Kg.	332	7605	14	4643	0	0
21	M-0403208	M.S.Nuts and Bolts	Kg.	82	7318	20	1640	0	0
		Total					878503		103362
		Dismanteling & return Area store							0
22		Total Cost using F.O.R Rate + Erection cost					981865		
23		Grand Total Cost using F.O.R Rate including 18 % GST					1158601		
		Returnable material							
		Conductor scrap	Kgs.	103	7605	0	0		
		Steel scrap	Kgs.	17	7228	0	0		
		Total					0		
		Cost per Km. using F.O.R. Rate					1158601		

Note:-The erection rates mentioned "0" against various items are included in its related main material erection charges. For details refer the guide line of SOR .

COST SCHEDULE - C-9.4
11 KV D.P.STRUCTURE ON H-Beam 13 mtr long FOR STRAIGHT LINE
(TO BE SUPPLEMENTED TO EVERY 1 KMS. OF 11 K.V. LINE)

Sl. No.	Item Code	Particulars	Unit	F.O.R. Rate	HSN or SAC Code	Qty.	Total Amt. (Rs.) using F.O.R. rates Rate	Erection rates	Total Amt. of Erection
1	2	3	4	5	6	7	8	9	10
1	M-0501066	H-Beams 152 X 152 mm., 37.1 Kg./Mtr.-13 mtr. Long = 482.3 kg	no.	33110	7216	2	66220	2768	5536
	M-0502108	D.C. Cross arms 4 ft centre to centre (100X50x6 mm.) channel	Set	4880	7216	1	4880	884	884
2	M-0502104	D.C.cross- arm of ISMC channel of 100 X 50, suitable for 8' centre	Set	5149	7216	0	0	884	0
3	M-0502261	Clamp suitable for H-Beam (each weight 3.2 kg ms flat 65x8mm)	Set	292	7216	2	584	0	0
4	M-0602007	11 KV (45KN) 16mm FRP with 25mm per KV creepage Disc Insulator Polymer	No.	117	8546	6	702	126	756
5	M-0404210	11KV Strain hard ware fitting	No.	122	7308	6	729	0	0
6	M-0602002	11 KV Pin insulator Polymer Composite (5KN) FRP dia 24mm	No.	169	8546	2	339	34	68
	M-0502390	Horizontal and cross bracing 4' centre	Set	4117	7216	1	4117	353	353
7	M-0502395	Horizontal and cross bracing 8' centre	Set	5878	7216	0	0	954	0
8	M-0502019	Back Clamp suitable for H-Beam (MS Flat 65x8 mm)- each weight 1.92 Kg	No.	175	7216	4	700	0	0
9	M-0502231	Painted Stay set 20 mm. complete with turn buckles	Nos.	1093	7217	4	4371	677	2708
10	M-0403014	Stay wire 7/4mm. kg per stay for H-Beam / PCC Pole 280 Kg, 9 m @ 7.5, 11 m @ 8.50, 13 m @ 10, 15 m @ 12	kg	82	7217	40	3266	0	0
11	M-0502261	Clamp suitable for H-Beam (each weight 3.2 kg ms flat 65x8mm)	Set	292	7216	4	1169	0	0
12	P-0702056	Stone Block/Pre cast block for base pedding 450x450x75mm	No.	281	99541	2	561	0	0
13	P-0001037	Concreting (1:3:6) 0.36 Cmt for [H-Beam - 7 m, 9 m & RSJ 9.3 m, PCC Pole DP / TP/4P/6P of 140 kg. 8 m 200 Kg. 9 m 280 Kg. 9 m], 0.56 Cmt for 11 m, 0.60 Cmt for 13 m, 0.67 Cmt for 15 m Per Pole including muffing with Pole Pit digging by Hydra M/c.	Cmt.	4729	99541	1.2	5674	630	756
14	P-0001037	Concreting of stay @ 0.3 cmt. per stay	Cmt. (1:3:6)	4729	99541	1.2	5674	630	756
15	M-0403096	Earthing Coil (coil of 115 turns of 50 mm.dia. and 2.5 Mtrs. lead of 4.0 mm. G.I wire)	No.	116	7217	2	231	0	0
16	M-1214001	Red oxide paint	Ltr.	94	3208	2.6	243	270	702
17	M-1214002	Aluminium paint	Ltr.	198	3208	2.6	514	192	499.2
18	M-0403016	Anti climbing devices	No.	306	7313	2	612	40	80
19	M-0502429	Danger Boards Enamalled Type 11KV	No.	69	8310	1	69	29	29
20	M-0403208	M.S.Nuts and Bolts	Kg.	82	7318	6	492	0	0
		Total					101147		13127
		Dismanteling & return Area store							0
7		Total Cost using F.O.R Rate + Erection cost					114274		
8		Grand Total Cost using F.O.R Rate including 18 % GST					134844		
		Returnable material							
		Conductor scrap	Kgs.	103	7605	0	0		
		Steel scrap	Kgs.	17	7228	0	0		
		Total					0		
		Cost per No. using F.O.R. Rate					134844		

NOTE:—The erection rates mentioned “0” against various items are included in its related main material erection charges. For details refer the guide line of SOR .

COST SCHEDULE - C-1.5 (Modified)

1 KM OF 11 KV LINE ON 280 KG 9.1 Mtr PCC Pole Using Raccoon Conductor maximum Span 60 Mtrs IN RURAL AREA

Sl. No.	Item Code	Particulars	Unit	FoR Rate	HSN or SAC Code	Qty.	Total Amt. (Rs.) using F.O.R. rates Rate	Erection rates	Total Amt. of Erection
1	2	3	4	5	6	7	8	9	10
1	M-0501010	280 Kg.,9.1 Mtrs. long PCC pole	Number	3597	6810	17	61149	2839	48263
2	M-0502001	33 KV V cross-arms 75x75x6 mm angle (Each weight 24.60 Kg)	Number	2249	7216	17	38233	135	2295
3	M-0502023	Back Clamp suitable for 280 Kg PCC Pole (MS Flat 65x8 mm) - each wt 1.92 Kg	Nos.	175	7216	34	5952	0	0
4	M-0502055	33 KV Top clamps 75x75x6 mm Angle	Number	293	7216	17	4981	49	833
	M-0502364	33 KV Single Pole Cut Point Channal (100x50x6mm MS Channel) 1.65 mtr Long	Set	3660	7216	1	3660	509	509
	M-0502185	11 KV Side cross arm 75x40x6 mm Channel	No.	3232	7216	0	0	175	0
5	M-0403096	Earthing Coil (coil of 115 turns of 50 mm.dia. and 2.5 Mtrs. lead of 4.0 mm. G.I wire)	No.	116	7217	17	1964	0	0
6	M-0602002	11 KV Pin insulator Polymer Composite (5KN) FRP dia 24mm	No.	169	8546	51	8643	34	1734
7	M-0401003	ACSR Raccoon conductor 0.075 sq. inch (80 sq.mm. Al.Eq.), (6/4.09 + 1/4.09 mm)	Kilometer	69149	7614	3.1	214362	9900	30690
8	M-0404233	Jointing Sleeves suitable for 55 Sq. mm.Al. Eq. AAAC conductor	No.	94	7308	7	659	0	0
9	M-0502230	Painted Stay set 16 mm. complete turn buckles	No.	568	7217	7	3973	594	4158
10	M-0403019	Stay wire 7/3.15 mm. kg per stay for PCC Pole 140 kg 8 m @ 5.5, 200 Kg. 9 m @ 6.5, RSJ 9.3 m.@ 6.5	kg	76	7217	45.5	3471	0	0
11	M-0502260	Clamp suitable for 280 Kg. 9.1 mtr. long PCC Pole (3.04 kg each)	Set	278	7216	7	1943	0	0
12	M-0601036	Stay insulator	No.	16	8546	7	113	0	0
13	M-0001001	Back filling of poles with boulders.	No.	171	9954	17	2909	0	0
14	M-0403012	G.I. Wire 4.0 mm. (8 SWG)-Earthing for PCC Pole	Kgs.	73	7217	11.2	813	7	78
15	P-0702056	Stone Block/Pre cast block for base pedding 450x450x75mm	No.	281	99541	17	4772	0	0
16	P-0001037	Concreting of stay @ 0.2 cmt. per stay	Cmt. (1:3:6)	4729	99541	1.8	8512	630	1134
17	M-1214001	Red oxide paint	Ltr.	94	3208	3.4	318	270	918
18	M-1214002	Aluminium paint	Ltr.	198	3208	3.4	672	192	653
19	M-0403016	Anti climbing devices	No.	306	7313	17	5204	40	680
20	M-0502429	Danger Boards Enamalled Type 11KV	No.	69	8310	17	1178	29	493
21	M-0404370	Binding wire and tape	Kg.	332	7605	4	1327	0	0
22	M-0403208	M.S.Nuts and Bolts	Kg.	82	7318	20	1640	0	0
		Total					376448		92438
		Dismanteling & return Area store							0
24		Total Cost using F.O.R Rate + Erection cost					468886		
25		Grand Total Cost using F.O.R Rate including 18 % GST					553285		
		Returnable material							
		Conductor scrap	Kgs.	103	7605	0	0		
		Steel scrap	Kgs.	17	7228	0	0		
		Total					0		
		Cost per Km. using F.O.R. Rate					553285		

NOTE:-The erection rates mentioned "0" against various items are included in its related main material erection charges. For details refer the guide line of SOR .

MEMORANDUM OF UNDERSTANDING (MoU)

This Memorandum of Understanding (MOU) is executed at BHOPAL on 21/11/2024.

**BETWEEN
MADHYA PRADESH URJA VIKAS NIGAM LIMITED (MPUVNL)
AND
STATE BANK OF INDIA (SBI)**

PREAMBLE

This Memorandum of Understanding ("the MoU") between Madhya Pradesh Urja Vikas Nigam Limited, a company incorporated under Companies Act, 1956 / 2013 and promoted by the Government of Madhya Pradesh and having its Head Office at Urja Bhawan, Link Road No-2, Shivaji Nagar Bhopal, which expression shall unless repugnant to the context or meaning thereof, be deemed to include its successors in business, legal representatives and permitted assigns of the first part (hereinafter referred to as "MPUVNL");

And

State Bank of India, a body corporate constituted under the State Bank of India Act, 1955 and having its Corporate Centre at Mumbai, which expression shall unless repugnant to the context or meaning thereof, be deemed to include its successors and permitted assigns of the other part (hereinafter referred to as "SBI").

WHEREAS, individually, MPUVNL and/ or SBI shall be referred as "Party" and collectively as "Parties", as the context and relevance may require for the purpose of this MoU.

WHEREAS, the Cabinet Committee on Economic Affairs, Government of India had approved the Pradhan Mantri Kisan Urja Surksha Evam Uthhan Mahaabhiyan Scheme ("PM-KUSUM SCHEME") in its meeting dated 19.2.2019. Subsequently, detailed guidelines for implementation of different components of PM KUSUM Scheme were issued by Ministry of New and Renewable Energy, Govt. of India (hereinafter, "MNRE") vide OM 32/645/2017-SPV Division dated 22.07.2019 and its various amendments. The PM-KUSUM SCHEME consists of three components i.e., the Component-A for installation of Decentralized Ground Mounted Grid Connected Renewable Power Plants, Component-B for installation of standalone Solar Powered Agriculture Pumps and Component-C for solarization of the grid connected agriculture pumps.

WHEREAS, in suppression of MNRE's guidelines for implementation of PM KUSUM scheme issued vide OM 32/645/2017-SPV Division dated 22.07.2019 and its various amendments, it issued revised comprehensive guidelines dated 17.01.2024 for implementation of PM KUSUM Scheme, encompassing all above components under the scheme (hereinafter, "PM KUSUM- New Guidelines").

WHEREAS, PM KUSUM- New Guidelines have country level targets against different components of PM KUSUM scheme and contain guiding principles for implementation of these components.

WHEREAS, Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL) is the State implementing Agency (SIA) for implementation of different components of PM KUSUM scheme. The guidelines prescribe responsibilities of SIA, which includes, among others, coordinate with Banks/FIs to provide loan facilities and handhold farmer/ renewable power generators (RPGs) in such matters. WHEREAS, MPUVNL receives targets from MNRE from time to time under different components of PM KUSUM scheme. These projects are executed by Renewable Power Generators (RPGs)/ vendors selected through transparent competitive process aligned to PM KUSUM- New Guidelines and relevant orders of MNRE in this behalf issued from time to time.

WHEREAS, projects under component-C (feeder level solarization) and component-A of PM KUSUM scheme are executed, operated and maintained for project life by RPGs. An RPG enters clearly identified contractual arrangements with Madhya Pradesh Power Management Company Limited (MPPMCL) to sell electricity generated from concerned project to MPPMCL as per detailed terms and conditions of power purchase agreement (PPA) executed between MPPMCL and concerned RPG. This ensures revenue stream as well as bankability of concerned project under KUSUM-C (FLS).

WHEREAS, an RPG may require debt from prominent banks/ FIs to implement concerned project

concerned RPG, MPPMCL and concerned bank/ FI as per detailed terms and conditions delineated therein.

WHEREAS, projects under component-B of PM KUSUM scheme are implemented by vendors empanelled through competitive bidding. These projects require contribution of farmers, which may be done by availing debt from banks/ FIs. The debt is paid back by farmers through its means and sources.

WHEREAS, in the interest of scheme implementations, it is decided between the Parties to endeavour to facilitate implementation of projects under different components of PM KUSUM through streamlining and standardization of processes, procedures, documentation and checklist of necessary for sanctioning and disbursal of loan to as well as remittance of loan repayment.

WHEREAS, in the interest of scheme implementations, it is decided between Parties to endeavour to carve out facilitative and coordinative roles to be anchored by MPUVNL involving SBI, RPG and MPPMCL.

NOW THEREFORE, the Parties align and actuate the following:

1. Roles and responsibilities of SBI which shall be subject to internal & regulatory guidelines/instructions.
 - i. Streamline and standardize processes, procedures, documentation, compliances and checklist meant for initiation, approval, disbursal and repayment of debt pertaining to KUSUM-C (FLS) projects
 - ii. Keep MPUVNL updated and involved in key or critical matters pertaining to an RPG or a project or updated in its mandate to finance projects under KUSUM-C (FLS).
 - iii. Identify point of contact for coordination between MPUVNL and SBI for matters related to different components of PM KUSUM scheme.
 - iv. Ensure that all debt processing- initiation, approvals and disbursal, happens at its headquarters in Bhopal, to facilitate borrowers under PM KUSUM scheme.
2. Roles and responsibilities of MPUVNL
 - i. Shall work for competency building of stakeholders, including RPGs, about terms and conditions of debt to be provided by SBI as per Annexure I and Annexure II to this MoU.
 - ii. Shall keep SBI informed about RPG/ project specific initiation of process for availing Central Financial Assistance (CFA) from MNRE.
 - iii. Shall facilitate in execution of tripartite Escrow Agreement among RPG, MPPMCL and SBI but MPUVNL shall not be held liable or responsible for the financial obligations, repayment, or enforcement of such escrow agreements.
 - iv. Shall act as single point of contact (SPOC) for any coordination or solutioning involving RPG, MPPMCL and SBI related to debt repayment, grievance redressal or communication gaps.

3. Liabilities:

The Parties undertake in the performance of their duties, as laid down in the present MoU, to proceed with utmost care. However, neither of the Parties will take over or assume responsibility and/or liability whatsoever for the acts, deeds or actions of the personnel of the other Parties. MPUVNL shall not assume or bear any responsibility for financial obligations, debt servicing, or repayment liabilities of RPGs. All financial obligations related to loans taken by RPGs from SBI or any other financial institution shall solely be the responsibility of the RPG.

4. Force Majeure:

- i. Neither of the Parties shall be held in default, in the performance of obligations under this MoU, in circumstances of Force Majeure which shall include, but without limitation to war, civil commotion, riots, acts of God, Government action, pandemic situation. In the event of Force Majeure, the Parties undertake to consult each other and proceed according to the prevailing situation to be recorded in writing.

- i. Amicable settlement
Parties shall preferably endeavour to settle any issues amicably, where decision of Managing Director, MPUVNL shall be final and binding.
- ii. Jurisdiction
The Contract shall be governed by and interpreted in accordance with the laws in force in India. The Courts of Bhopal shall have exclusive jurisdiction in all matters arising under the contract.

6. Confidentiality:

- i. Parties shall treat as strictly confidential any documentation and information in connection with activities performed on the basis of the present MoU, save and except for certain information which are in public domain and other exceptions.
- ii. Confidentiality or disclosure, as applicable, of information or documentation shall be subjected to relevant laws or lawful requirement of enforcement/regulatory agencies/authorities.

7. Validity, Duration and Amendments:

- i. This MoU shall enter into force as from the date of signing by the Parties and will remain in force for 2 years extendable on mutually agreed terms and conditions based upon the evaluation of performance and outcome. Either Party may terminate this MoU at any time, with or without cause, by providing 30 days' written notice to the other Party. Termination of this MoU will not affect any obligations or liabilities accrued prior to termination, and no penalties or liabilities shall arise from the termination.
- ii. This MoU may be amended, upon mutual written consent of the Parties in advance, to serve the basic purpose of it.
- iii. Upon termination of this MoU, provisions related to confidentiality, notices, and dispute resolution shall continue to be in effect, unless mutually agreed otherwise in writing by the Parties.

8. Non-Financial Agreement

This MoU does not involve any financial obligations or transactions between the Parties. Each Party will bear its own costs and expenses associated with the activities under this MoU, and no reimbursement or compensation shall be sought or provided by either Party.

9. Indemnity Clause

Each Party agrees to indemnify, defend, and hold harmless the other Party, its officers, employees, and agents from and against any and all claims, liabilities, losses, damages, costs, and expenses (including reasonable attorney's fees) arising out of or in connection with any breach of this MoU, negligent act, or omission, or any third-party claim related to the actions of the indemnifying Party.

10. MPUVNL's Liability

MPUVNL's liability, if any, arising under this MoU shall be limited to the extent of direct damages only, and in no event shall MPUVNL be liable for any indirect, consequential, incidental, special, or punitive damages, including but not limited to loss of profit, revenue, or anticipated savings.

11. General

- i. This MoU shall be governed and construed in accordance with the laws of India. The competent courts at Bhopal, India shall have the sole and exclusive jurisdiction over any dispute that arises in relation to this Agreement.

- iii. Each Party represents and warrants to the other Party that it is authorised to execute this MoU and is competent to discharge the obligations under this MoU.
- iv. Nothing in this MoU will be construed to create a partnership, joint venture, franchise, fiduciary, employment, or agency relationship between the parties. Neither Party has any express or implied authority to assume or create any obligations on behalf of the other or to bind the other to any contract, agreement or undertaking with any third party. Neither Party has any authority to act as an agent for the other Party or to bind the other Party to any obligations or liabilities with any third parties. This MoU is for the purpose of facilitation and coordination only.
- v. This MoU is non-exclusive, and nothing in this MoU shall restrict MPUVNL from entering into similar agreements with other banks, financial institutions, or third parties for the facilitation of debt financing for projects under the PM-KUSUM scheme.
- vi. This MoU is non-binding and is intended solely for the purpose of facilitating collaboration between the Parties. The terms and obligations of this MoU do not constitute a legally enforceable agreement, and no rights or claims shall arise from the execution of this MoU unless specifically formalized by further agreements or contracts.
- vii. It is explicitly stated that renewable power generators (RPGs) are not under any obligation to seek financing from SBI. SBI is one of the available options for debt financing, and RPGs are free to choose any bank or financial institution at their discretion. Similarly, SBI shall not be under any obligation to extend loans to all RPGs applying for financial assistance.
- viii. If any provision of this MoU shall be held by a court of competent jurisdiction to be illegal, invalid or unenforceable, the remaining provisions shall remain in full force and effect. In such cases, any performance or activity undertaken or anchored by Parties attributable to them and its larger implications shall be to the account of the Parties at their risk and cost, whenever such judgments are pronounced or finally effected/ enforced/ arise.

12. Notices

All communications required to be given by a Party to the other Party under or pursuant to this MoU shall be in English, in writing and shall be deemed to have been given when hand delivered by messenger or courier or sent by registered post or speed post or facsimile or email to the other Party at the following address or to such other address as either Party may from time to time notify to the other.

M.P. Urja Vikas Nigam Mr./ Ms. Ajay Shukla
Limited

Address: Link Road No.2, 5 No. Bus Stop, Near Durga Petrol
Pump, Shivaji Nagar, Bhopal.

Email: mpnred.wind@gmail.com
Mobile: +91 9425107325

State Bank of India

1. Mr. Rajeev Kumar (AGM SME CPC)
Address: SBI LHO Hoshangabad Road Bhopal

Email: agmsmecpc.lhobho@sbi.co.in
Mobile: 8889825554

2. Mr Shashank Kumar (AGM AGRI BUSINESS UNIT)
Address: SBI LHO Hoshangabad Road Bhopal

Email: agmagricpt@sbi.co.in
Mobile: 9414077149

In witness thereof, the organizations have signed the present MoU in duplicate in the English language.

Signed



For State Bank of India (SBI)
Shri Rama Chandra Mishra
DGM SME, LHO Bhopal

Signed



For M.P. Urja Vikas Nigam Limited
(MPUVNL) Head Office, Bhopal
Shri Ajay Shukla
Executive Engineer, MPUVNL, Bhopal

Signed



For State Bank of India (SBI)
Shri Dharmaranda Banai
DGM ABU, LHO Bhopal

Date: 21/11/2024

Place: Bhopal

Witness:

1. Sign



Shri Rajeev Kumar (AGM SME CPC)
SBI LHO Hoshangabad Road Bhopal

1. Sign



Shri Umesh Kumar Lodhi
MP Urja Vikas Nigam Limited, Bhopal

2. Sign



Shri Shashank Kumar (AGM, ABU)
SBI LHO Hoshangabad Road Bhopal

2. Sign



Ms. Shalu Pasi
MP Urja Vikas Nigam Limited, Bhopal

ANNEXURE-I (FOR FARMERS)

PM KUSUM COMPONENT 'A' UNDER AGRI SEGMENT:

SL No.	Parameter	Particulars
1.	Scheme	Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahabhiyan - (PM-KUSUM) Component-A
2.	Objective	The Scheme has been launched to achieve the GOI's ambitious target of 100 GW of Solar Power generation by 2022 and also to provide the farmers an opportunity to increase their income by utilizing their barren and uncultivable land for solar or other renewable energy based power plants.
3.	Target group/Eligibility	Individual farmers/ Group of farmers/ Cooperatives/ Panchayats/ Farmer Producer Organizations (FPO)/ Water User associations (WUA).
4.	Purpose	Financing solar or other renewable energy based power plants (REPP) of capacity 500 kW to 2 MW on Barren / uncultivable land backed by PPA (Power Purchase Agreement) with Distribution Companies (DISCOM).
5.	Activity	Installation of solar power or other Renewable Energy based Power Plants (REPP) on barren/fallow land, pasturelands and Marshlands or in stilt fashion on agriculture land owned by farmer. The entire parcel of land required for the project should be in the possession of the farmer/applicant. Agricultural land is also permitted under the scheme provided that solar plants are installed in stilt fashion (i.e. raised structure for installation of Solar panels) and with adequate spacing between panel rows for ensuring that farming activity is not affected. Diversion of land is not necessary in agri segment.
6.	Quantum of finance	Max. 70% of the project cost. Max. Ceiling – Rs.10 Cr.
7.	Moratorium Period	Maximum 12 months post COD.
8.	Pricing/Interest rate	Interest Rate to be based on CRA of the unit/borrower as per Circular No. CCO/CPPDINT/123/2017-18 (Sl.No.1418/2017-18) dated 01.03.2018 or further revisions thereof. - Interest would be charged at monthly intervals.
9.	Repayment	Maximum period of 15 years including moratorium period.
10.	Security	Primary Security: (i) Mortgage of Project Land and Building (except forest land). (ii) Hypothecation of Plant & Machinery (iii) Hypothecation of Receivables based on Tripartite Agreement with DISCOM and farmer backed by ESCROW arrangement under firm PPA. Collateral Security: (i) Assignment of PPA (ii) 100% cash margin for BG facility Personal Guarantees: Personal guarantee of the promoters to be obtained. CGTMSE: The borrower can avail the benefit of credit guarantee package (CGTMSE) by registering as MSME. In case, the borrower is availing the facility under CGTMSE, he has to comply with all the relevant guidelines.
11.	Debt Service Reserve Account (DSRA)	Equivalent to 3 months principal and interest (Minimum) in the form of FDR/TDR.

13.	Power Purchase Agreement (PPA)	PPA with Long term off take arrangement of 25 years with a DISCOM and should be legally vetted by our law department/ empaneled advocate to safeguard the Bank's interest.
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PM KUSUM COMPONENT 'B & C' UNDER AGRI SEGMENT:

SL No.	Parameter	Particulars
1.	Scheme	MC-ATL PM KUSUM Component B & C.
2.	Purpose	Component "B": Individual farmers will be supported to install standalone solar Agriculture pumps of capacity up to 7.5 HP for replacement of existing diesel Agriculture pumps / irrigation systems in off grid areas, where grid supply is not available. Component "C": Individual farmers having grid connected agricultural pump will be supported to solarize pumps. Solar PV capacity up to two times of pump capacity in kW is allowed under this scheme. DISCOMs will purchase excess power from the farmer at the rate decided by the respective State / SERC.
3.	Target group/Eligibility	Farmers - Individuals/ Joint borrowers who are owner cultivators. Preference should be given to farmers using Micro irrigation systems or covered under Micro Irrigation Schemes or who opt for Micro irrigation systems.
4.	Margin	Farmer contribution: 10% of benchmark cost of pump set. (Margin money should be brought in upfront before disbursement).
5.	Activity	Pump set – Irrigation
6.	Quantum of finance	1. Minimum loan limit: Rs.25, 000/- 2. Maximum loan limit: Rs.10.00 Lakh.
7.	Moratorium Period	For Installation: Maximum 12 Months * For North Eastern States, Sikkim, J&K, HP, Uttarakhand, Lakshadweep and A & N Islands: Maximum 15 months
8.	Pricing/Interest rate	The rate of interest will be linked to 1-Year MCLR of the Bank (reset annually) + 350 bps, i.e., present effective rate of 12.15% p.a.
9.	Repayment	120 months including moratorium. Half-Yearly (HY) installments. Maximum of 120 months including moratorium
10.	Security Norms	(a). <u>Loan limit below Rs.1.60 lakhs:</u> Primary Security: Hypothecation of assets to be created out of bank finance. Collateral Security: NIL (b). <u>Loan limit above Rs.1.60 lakhs:</u> Primary Security: Hypothecation of assets to be created out of banks' finance. Collateral Security: Mortgage of land is waived for loan limits up to Rs. 3.00 lakhs in the States where banks have the facility of online creation of charge on the digital land records (e-circular Sl. No. NBG/ABU/PDM-KCC/8/2018-19 dated 27.06.2018). A printout of the lien/ charge, before and after creation of charge, as an evidence should be kept with the loan documents for the purpose of audit and record. Equitable Mortgage/ Registered Mortgage of agricultural land/ immovable property, the value of which is 100% of the loan amount

		Assistance (CFA): 50% of the benchmark cost or the tender cost, whichever is lower of the stand-alone solar Agricultural pump. State Government: 30%; Farmer contribution: 10%; Bank finance: 10%. The scheme is now covered under AIF as per guidelines issued by Department of Agriculture & Farmers Welfare, Government of India in Sep-2024.
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PM KUSUM COMPONENT 'C' (FEEDER SOLARIZATION) UNDER AGRI SEGMENT:

SL No.	Parameter	Particulars
1.	Scheme	Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahabhiyan - (PM-KUSUM) Component-A
2.	Objective	The Scheme has been launched to achieve the GOI's ambitious target of 100 GW of Solar Power generation by 2022 and also to provide the farmers an opportunity to increase their income by utilizing their barren and uncultivable land for solar or other renewable energy based power plants.
3.	Target group/Eligibility	Individual farmers/ Group of farmers/ Cooperatives/ Panchayats/ Farmer Producer Organizations (FPO)/ Water User associations (WUA).
4.	Purpose	Financing solar or other renewable energy based power plants (REPP) of capacity 500 kW to 2 MW on Barren / uncultivable land backed by PPA (Power Purchase Agreement) with Distribution Companies (DISCOM).
5.	Activity	Installation of solar power or other Renewable Energy based Power Plants (REPP) on barren/fallow land, pasturelands and Marshlands or in stilt fashion on agriculture land owned by farmer. The entire parcel of land required for the project should be in the possession of the farmer/applicant. Agricultural land is also permitted under the scheme provided that solar plants are installed in stilt fashion (i.e. raised structure for installation of Solar panels) and with adequate spacing between panel rows for ensuring that farming activity is not affected. Diversion of land is not necessary in agri segment.
6.	Quantum of finance	Max. 70% of the project cost. Max. Ceiling – Rs.10 Cr.
7.	Moratorium Period	Maximum 12 months post COD.
8.	Pricing/Interest rate	Interest Rate to be based on CRA of the unit/borrower as per Circular No. CCO/CPDINT/123/2017-18 (Sl.No.1418/2017-18) dated 01.03.2018 or further revisions thereof. - Interest would be charged at monthly intervals.
9.	Repayment	Maximum period of 15 years including moratorium period.
10.	Security	Primary Security: (i) Mortgage of Project Land and Building (except forest land). (ii) Hypothecation of Plant & Machinery (iii) Hypothecation of Receivables based on Tripartite Agreement with DISCOM and farmer backed by ESCROW arrangement under firm PPA. Collateral Security: (i) Assignment of PPA (ii) 100% cash margin for BG facility Personal Guarantees: Personal guarantee of the promoters to be obtained. CGTMSE: The borrower can avail the benefit of credit guarantee package (CGTMSE) by registering as MSME. In case, the borrower is availing the facility under CGTMSE,

12.	Subsidy & Subvention	Subsidy proposed under the scheme.
13.	Power Purchase Agreement (PPA)	PPA with Long term off take arrangement of 25 years with a DISCOM and should be legally vetted by our law department/ empaneled advocate to safeguard the Bank's interest.

Other suggestions:

1. A piece of land on which project to be installed not to be **land-locked** and also the chain of title should be clear.
2. Source of margin must be ensured before the allotment of LOA.
3. Quantum of loan depends upon the projected cash flow generated by the plant that's why please advise the applicant to hire the experienced & well known EPC contractor for the installation of the project. Quality of solar plates, transformer, proper caballing of wires and Grid connectivity etc. play a vital role for the successful project.
4. After allotment of LOA, a detailed session/meeting should be conducted between the URJA Vibhag officials, applicant and bank officials.

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ANNEXURE-II (FOR DEVELOPERS)

SNO	DOCUMENT REQUIRED FROM DEVELOPER	Details
1	KYC	<ul style="list-style-type: none"> - PAN/Aadhar/Passport of Promoter/ Director/Guarantor/ Partner - AOA/MOA/Certificate of Incorporation (In Case of Company) - Partnership Deed/Registration with Registrar of Firms (In Case of Partnership Firm) - Udyam Registration Number - Legal Entity Identifier (LEI)
2	Detailed Project Report	<ul style="list-style-type: none"> - Cost of Project - Supplier Details - Quotations - Source of funds (Equity/USL) - Power Purchase Agreement (PPA) - Letter of Award issued by M.P. Urja Vikas Nigam Limited
3	Provisions to be included in PPA	<ul style="list-style-type: none"> - Must Run Status - The power generated shall be evacuated to the maximum extent subject to Grid stability (Must Run) and shall not be subjected to merit order dispatch principles - Assignment - The agreement shall not be assigned by any party except to the financing parties under financing documents or by mutual consent between the parties to be evidenced in writing. - Designated Bank Account with SBI- The payment of revenue towards sale of power by developer may be deposited or paid in the designated bank account with SBI - Payment Security – The procurer shall open revolving LC equivalent to one month's billing in favour of developer, which shall be renewed annually. - Force Majeure Clause –The developer is relieved of its obligations in case of Force Majeure covering the events beyond the control of developer as listed in PPA - Change in Law or Taxes – The developer shall be able to pass on the escalation in rates of Taxes and Duties, etc. to offtaker. - Generation Compensation for offtake constraints – provision for generation compensation due to transmission infrastructure not complete / grid unavailability and Backdown by DISCOMs should be clearly spelt out
4	Land	<ul style="list-style-type: none"> - If leased, then must contain mortgageable clause. - Accessible/Demarcated /Marketable
5	Approval and Clearance (Indicative)	<ul style="list-style-type: none"> - Environmental Clearances- Environmental and Forest clearances to be in place wherever applicable. - Project approval from State Agency for setting up the plant. - NOC from Pollution Control Board - Grid Connectivity Agreement with the authority concerned. - Approval from DISCOM/State Electricity Board, as the case may be.
6	Operation and Maintenance (O & M)	<ul style="list-style-type: none"> - Details of operation and management of the project after implementation.

21/05

Parameter	Benchmark
Debt/Equity	70:30
Equity	50 % Upfront
Average Gross DSCR	1.20
Sensitivity analysis	<p>Average Gross DSCR should not be below 1.10 with following changes:</p> <ul style="list-style-type: none"> - Decrease in tariff by 5% - Decrease in Plant Load Factor (PLF)/ Generation by 10% - Increase in O&M cost by 10% - Increase in interest rate by 2%
FACR	<ul style="list-style-type: none"> - FACR: 1.10 (minimum) throughout the tenure of the loan.
Interest Coverage Ratio	-1.50 (minimum)
Net Debt (Long Term Debt)/ EBITDA (Max)	<ul style="list-style-type: none"> - 6.2:1 for initial 3 years. - Below 6 from 4th year onwards Long-term debt is Project Debt provided by Banks / FIs only
Loan Tenor (Max)	<ul style="list-style-type: none"> - Door to Door tenor up to 20 years or Construction period plus 80% of PPA tenure from COD, whichever is lower.
Moratorium	<ul style="list-style-type: none"> - Maximum 12 months post Date of Commencement of Commercial operation (DCCO).
Generation Estimates	<ul style="list-style-type: none"> - Generation Estimate should be at P 90 level only. - DSCR should be calculated on a P 90 estimate of generation level subject to other parameters of the proposal being met.
Primary Security	<ul style="list-style-type: none"> - Equitable Mortgage of Project Land and Building- except forest land (<u>In respect of Primary Security Registered mortgage of Lease Hold rights can be obtained wherever EM/RM is not possible</u>). - Hypothecation of Plant & Machinery - Hypothecation of Receivables
Collateral Security	<ul style="list-style-type: none"> - Collateral security may be required on a case-to-case basis where it is felt necessary as a risk mitigant and/or where it is forthcoming.

			<ul style="list-style-type: none"> - First Charge on Escrow Account.
		Guarantee	<ul style="list-style-type: none"> - Personal guarantee of the promoters and Guarantors will be obtained.
		Technical Parameters	<ul style="list-style-type: none"> - Project should comply with technical specification, standards and certifications, including amendments or addition in future by MNRE
		Debt Service Reserve Account (DSRA)	<ul style="list-style-type: none"> - Provision for DSRA Equivalent to ensuing 3 month's Principal and Interest (Minimum) to be made in the form of FDR/TDR.
8	Pricing	ECRA/CRA based, with 10 bps concession on account of RE across the board, in case offered at Card Rate, subject to effective rate of interest not going below the MCLR. Additional incentive may be offered on completion of project as per schedule/declared DCCO, with the approval of the competent authority. All term loans are subject to annual review based on the audited financials. Wherever rating has deteriorated, interest rates would be reset, and spread shall be charged as per the current rating, with effect from the date of the audited financials	
9	External Credit Rating(ECR)	<ul style="list-style-type: none"> - Applicable where total banking exposure is Rs 50.00 Crore and above. 	



MEMORANDUM OF UNDERSTANDING (MoU)

This Memorandum of Understanding (MOU) is executed at BHOPAL on 24.1.2025.

BETWEEN

MADHYA PRADESH URJA VIKAS NIGAM LIMITED (MPUVNL)

AND

AU Small Finance Bank Limited(AUSFBL)

PREAMBLE

This Memorandum of Understanding ("the MoU") between Madhya Pradesh Urja Vikas Nigam Limited, a company incorporated under Companies Act, 1956 / 2013 and promoted by the Government of Madhya Pradesh and having its Head Office at Urja Bhawan, Link Road No-2, Shivaji Nagar Bhopal, which expression shall unless repugnant to the context or meaning thereof, be deemed to include its successors in business, legal representatives and permitted assigns of the first part (hereinafter referred to as "MPUVNL");

AND

AU SMALL FINANCE BANK LIMITED, having CIN no L36911RJ1996PLC011381 a banking company duly incorporated under Section 22 of Banking Regulation Act, 1949 and under the Companies Act, 1956 with its registered office at 19-A, Dhuleshwar Garden, Ajmer Road, Jaipur, Rajasthan, 302001 (hereinafter referred to as the "**AU Bank**" which expressions shall unless repugnant to the context or meaning thereof be deemed to include its successors and assigns) (hereinafter referred to as "AUSFBL").

WHEREAS, individually, MPUVNL and/ or AUSFBL shall be referred as "Party" and collectively as "Parties", as the context and relevance may require for the purpose of this MoU.

WHEREAS, the Cabinet Committee on Economic Affairs, Government of India had approved the Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahaabhiyan Scheme ("PM-KUSUM SCHEME") in its meeting dated 19.2.2019. Subsequently, detailed guidelines for implementation of different components of PM KUSUM Scheme were issued by Ministry of New and Renewable Energy, Govt. of India (hereinafter, "MNRE") vide OM 32/645/2017-SPV Division dated 22.07.2019 and its various amendments. The PM-KUSUM SCHEME consists of three components i.e., the Component-A for installation of Decentralized Ground Mounted Grid Connected Renewable Power Plants, Component-B for installation of standalone Solar Powered Agriculture Pumps and Component-C for solarization of the grid connected agriculture pumps.

WHEREAS, in suppression of MNRE's guidelines for implementation of PM KUSUM scheme issued vide OM 32/645/2017-SPV Division dated 22.07.2019 and its various amendments, it issued revised comprehensive guidelines dated 17.01.2024 for implementation of PM KUSUM Scheme, encompassing all above components under the scheme (hereinafter, "PM KUSUM-New Guidelines").



WHEREAS, PM KUSUM- New Guidelines have country level targets against different components of PM KUSUM scheme and contain guiding principles for implementation of these components.

WHEREAS, Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL) is the State implementing Agency (SIA) for implementation of different components of PM KUSUM scheme. The guidelines prescribe responsibilities of SIA, which includes, among others, coordinate with various banks/financial institutions (FIs) to provide loan facilities and handhold farmer/renewable power generators (RPGs) in such matters.

WHEREAS MPUVNL receives targets from MNRE from time to time under different components of PM KUSUM scheme. These projects are executed by Renewable Power Generators (RPGs)/ vendors selected through transparent competitive process aligned to PM KUSUM- New Guidelines and relevant orders of MNRE in this behalf issued from time to time.

WHEREAS projects under component-C (feeder level solarization) and component-A of PM KUSUM scheme are executed, operated and maintained for project life by RPGs. An RPG enters clearly identified contractual arrangements with Madhya Pradesh Power Management Company Limited (MPPMCL) to sell electricity generated from concerned project to MPPMCL as per detailed terms and conditions of power purchase agreement (PPA) executed between MPPMCL and concerned RPG. This ensures revenue stream as well as bankability of concerned project under KUSUM-C (FLS).

WHEREAS, an RPG may require debt from prominent banks/ FIs to implement concerned project in financially prudent manner. To safeguard repayment of such debts in defined timeframe as per terms and conditions of financing agreement, an escrow agreement is executed between concerned RPG, MPPMCL and concerned bank/ FI as per detailed terms and conditions delineated therein.

WHEREAS, projects under component-B of PM KUSUM scheme are implemented by vendors empanelled through competitive bidding. These projects require contribution of farmers, which may be done by availing debt from banks/ FIs. The debt is paid back by farmers through its means and sources.

WHEREAS, in the interest of scheme implementations, it is decided between the Parties to endeavour to facilitate implementation of projects under different components of PM KUSUM through streamlining and standardization of processes, procedures, documentation and checklist of necessary for sanctioning and disbursement of loan to as well as remittance of loan repayment.

WHEREAS, in the interest of scheme implementations, it is decided between Parties to endeavour to carve out facilitative and coordinative roles to be anchored by MPUVNL involving AUSFBL, RPG and MPPMCL.

NOW THEREFORE, the Parties align and actuate the following:

1. Roles and responsibilities of AUSFBL which shall be subject to internal & regulatory guidelines/instructions.
 - i. Streamline and standardize processes, procedures, documentation, compliances and checklist meant for initiation, approval, disbursement and repayment of debt pertaining to KUSUM-C (FLS) projects
 - ii. Keep MPUVNL updated and involved in key or critical matters pertaining to an RPG or a project or updated in its mandate to finance projects under KUSUM-C (FLS).
 - iii. Identify point of contact for coordination between MPUVNL and AUSFBL for matters related to different components of PM KUSUM scheme.

- iv. Ensure that all debt processing- initiation, approvals and disbursal, happens at AUSFBL headquarters in Bhopal, to facilitate borrowers under PM KUSUM scheme.

2. Roles and responsibilities of MPUVNL

- i. Shall work for competency building of stakeholders, including RPGs, about terms and conditions of debt to be provided by AUSFBL as persanctioned terms.
- ii. Shall keep AUSFBL informed about RPG/ project specific initiation of process for availing Central Financial Assistance (CFA) from MNRE.
- iii. Shall facilitate in execution of tripartite Escrow Agreement among RPG, MPPMCL and AUSFBLbut MPUVNL shall not be held liable or responsible for the financial obligations, repayment, or enforcement of such escrow agreements.
- iv. Shall act as single point of contact (SPOC) for any coordination or solutioning involving RPG, MPPMCL and AUSFBLrelated to debt repayment, grievance redressal or communication gaps.

3. Liabilities:

The Parties undertake in the performance of their duties, as laid down in the present MoU, to proceed with utmost care. However, neither of the Parties will take over or assume responsibility and/or liability whatsoever for the acts, deeds or actions of the personnel of the other Parties. MPUVNL shall not assume or bear any responsibility for financial obligations, debt servicing, or repayment liabilities of RPGs. All financial obligations related to loans taken by RPGs from AUSFBLor any other financial institution shall solely be the responsibility of the RPG.

4. Force Majeure:

- i. Neither of the Parties shall be held in default, in the performance of obligations under this MoU, in circumstances of Force Majeure which shall include, but without limitation to war, civil commotion, riots, acts of God, Government action, pandemic situation. In the event of Force Majeure, the Parties undertake to consult each other and proceed according to the prevailing situation to be recorded in writing.
- ii. In case of persistence of such force majeure for more than 3 continuous months, the Parties may mutually decide to exit from the MoU, subject to amicable settlement/ discharge of respective obligations arising up to a date before/ during such period of 3 months.

5. Dispute Resolution:

- i. Amicable settlement
Parties shall preferably endeavour to settle any issues amicably, where decision of Managing Director, MPUVNL shall be final and binding.
- ii. Jurisdiction
The MoU shall be governed by and interpreted in accordance with the laws in force in India. The Courts of Bhopal shall have exclusive jurisdiction in all matters arising under the contract.

6. Confidentiality:

- i. Parties shall treat as strictly confidential any documentation and information in connection with activities performed on the basis of the present MoU, save and except for certain information which are in public domain and other exceptions.
- ii. Confidentiality or disclosure, as applicable, of information or documentation shall be subjected to relevant laws or lawful requirement of enforcement/regulatory agencies/authorities.

7. Validity, Duration and Amendments:

- i. This MoU shall enter into force as from the date of signing by the Parties and will remain in force for 2 years extendable on mutually agreed terms and conditions based upon the evaluation of performance and outcome. Either Party may terminate this MoU at any time, with or without cause, by providing 30 days' written notice to the other Party. Termination of this MoU will not affect any obligations or liabilities accrued prior to termination, and no penalties or liabilities shall arise from the termination.
- ii. This MoU may be amended, upon mutual written consent of the Parties in advance, to serve the basic purpose of it.
- iii. Upon termination of this MoU, provisions related to confidentiality, notices, and dispute resolution shall continue to be in effect, unless mutually agreed otherwise in writing by the Parties.

8. Non-Financial Agreement

This MoU does not involve any financial obligations or transactions between the Parties. Each Party will bear its own costs and expenses associated with the activities under this MoU, and no reimbursement or compensation shall be sought or provided by either Party.

9. Indemnity Clause

Each Party agrees to indemnify, defend, and hold harmless the other Party, its officers, employees, and agents from and against any and all claims, liabilities, losses, damages, costs, and expenses (including reasonable attorney's fees) arising out of or in connection with any breach of this MoU, negligent act, or omission, or any third-party claim related to the actions of the indemnifying Party.

10. MPUVNL's Liability

MPUVNL's liability, if any, arising under this MoU shall be limited to the extent of direct damages only, and in no event shall MPUVNL be liable for any indirect, consequential, incidental, special, or punitive damages, including but not limited to loss of profit, revenue, or anticipated savings.

11. General

- i. This MoU shall be governed and construed in accordance with the laws of India. The competent courts at Bhopal, India shall have the sole and exclusive jurisdiction over any dispute that arises in relation to this Agreement.



- ii. The individuals executing this MoU represent and warrant that they are empowered and duly authorized execute this MoU on behalf of the Parties they represent.
- iii. Each Party represents and warrants to the other Party that it is authorised to execute this MoU and is competent to discharge the obligations under this MoU.
- iv. Nothing in this MoU will be construed to create a partnership, joint venture, franchise, fiduciary, employment, or agency relationship between the parties. Neither Party has any express or implied authority to assume or create any obligations on behalf of the other or to bind the other to any contract, agreement or undertaking with any third party. Neither Party has any authority to act as an agent for the other Party or to bind the other Party to any obligations or liabilities with any third parties. This MoU is for the purpose of facilitation and coordination only.
- v. This MoU is non-exclusive, and nothing in this MoU shall restrict MPUVNL from entering into similar agreements with other banks, financial institutions, or third parties for the facilitation of debt financing for projects under the PM-KUSUM scheme.
- vi. This MoU is non-binding and is intended solely for the purpose of facilitating collaboration between the Parties. The terms and obligations of this MoU do not constitute a legally enforceable agreement, and no rights or claims other than as mentioned herewith shall arise from the execution of this MoU unless specifically formalized by further agreements or contracts.
- vii. It is explicitly stated that renewable power generators (RPGs) are not under any obligation to seek financing from AUSFBL. AUSFBL is one of the available options for debt financing, and RPGs are free to choose any bank or financial institution at their discretion. Similarly, AUSFBL shall not be under any obligation to extend loans to all RPGs applying for financial assistance.
- viii. If any provision of this MoU shall be held by a court of competent jurisdiction to be illegal, invalid or unenforceable, the remaining provisions shall remain in full force and effect. In such cases, any performance or activity undertaken or anchored by Parties attributable to them and its larger implications shall be to the account of the Parties at their risk and cost, whenever such judgments are pronounced or finally effected/ enforced/ arise.

12. Notices

All communications required to be given by a Party to the other Party under or pursuant to this MoU shall be in English, in writing and shall be deemed to have been given when hand delivered by messenger or courier or sent by registered post or speed post or facsimile or email to the other Party at the following address or to such other address as either Party may from time to time notify to the other.

For M.P Urja Vikas Nigam Limited

Mr./ Ms. Ajay Shukla

Address: Link Road No.2, 5 No. Bus Stop, Near Durga Petrol Pump, Shivaji Nagar, Bhopal.

Email: mpnred.wind@gmail.com

Mobile: +91 9425107325

For, AU Small Finance Bank Limited

1. Shri Vikas Tiwari (RBM, AGRI Banking)
Address: AU Small Finance Bank Limited, 6th Floor,
Benchmark, Indore, M.P.

Email: vikas.tiwari@aubank.in
Mobile: 7247009883

13. Waiver

No waiver by either party, whether express or implied, of any provision of this MoU, or of any breach or default of either party, shall constitute a continuing waiver of such provisions or a waiver of any other provisions of this MoU

14. Survival

The parties expressly acknowledge that all audit rights, confidentiality, indemnification obligations or provisions of this MoU which by their express or implied terms extend beyond the termination of this MoU, shall survive the expiration or termination of this MoU.

15. Assignment

Each Party, acknowledge that they will not assign, sell, transfer, delegate or otherwise dispose of this MoU or any right, duty, or obligation under this MoU without the prior written consent of the other Party, which consent shall be within the sole and absolute discretion of the other Party.

In witness thereof, the organizations have signed the present MoU in duplicate in the English language.

Signed



For AU Small Finance Bank Limited
(AUSFBL)
Shri Vikas Tiwari (RBM, AGRI Banking)
AU Small Finance Bank Limited
6th Floor, Benchmark, Indore, M.P.

Signed

For M.P. Urja Vikas Nigam Limited
(MPUVNL) Head Office, Bhopal
Shri Ajay Shukla
Executive Engineer, MPUVNL, Bhopal

Date 24/02/2025
Place Bhopal

Witness:

1 Sign

Shri Shrikant Tiwari (CBM Agri Banking)
AU Small Finance Bank Limited
6th Floor, Dhantrident, Indore, M.P.

1 Sign

Shri Umesh Kumar Lodhi
MP Urja Vikas Nigam Limited, Bhopal

2 Sign

Shri Sourabh Sahu
AU Small Finance Bank Limited
Bhopal.

2. Sign

Ms. Shalu Pasi
MP Urja Vikas Nigam Limited, Bhopal

MEMORANDUM OF UNDERSTANDING (MoU)



This Memorandum of Understanding (MoU) is executed at BHOPAL on 24/02/2025

BETWEEN

MADHYA PRADESH URJA VIKAS NIGAM LIMITED (MPUVNL)

AND

CENTRAL BANK OF INDIA

PREAMBLE

This Memorandum of Understanding ("the MoU") is entered into between Madhya Pradesh Urja Vikas Nigam Limited, a company incorporated under the Companies Act, 1956/2013 and promoted by the Government of Madhya Pradesh, having its Head Office at Urja Bhawan, Link Road No. 2, Shivaji Nagar, Bhopal which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors in business, legal representative and permitted assigns of the first part (hereinafter referred to as "MPUVNL").

And

Central Bank of India, a Bank constituted under the Banking Companies (Acquisition and Transfer of Undertaking) act, 1970 and having its Registered Office at Chandramukhi building Nariman point, Mumbai Maharashtra, Pin 400021 and having Zonal office at first Floor, Central Bank of India, 9 Arera Hills, Jail Road, Bhopal- M.P -462011 represented by Zonal Head (hereinafter referred to as "Central Bank of India/ the Bank" which expression shall unless repugnant to the context or meaning thereof be deemed to include its successors and permitted assigns) of the OTHER PARTY.

WHEREAS, individually, MPUVNL and Central Bank Of India shall be referred to as "Party" and collectively as "Parties" for the purpose of this MoU.

WHEREAS, the Government of India, through the Cabinet Committee on Economic Affairs, approved the Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahabhiyan Scheme ("PM-KUSUM SCHEME") on 19.02.2019, aimed at promoting sustainable energy solutions. Subsequently, the Ministry of New and Renewable Energy (MNRE) issued guidelines under OM 32/645/2017-SPV Division dated 22.02.2019 and its various amendments for implementing different components of the PM-KUSUM Scheme.

Further it issued revised comprehensive guidelines dated 17.01.2024 for implementation of PM KUSUM Scheme, encompassing all above components under the scheme(hereinafter, "PM KUSUM-New Guidelines")

WHEREAS, the PM-KUSUM Scheme comprises three primary components:

1. Component-A: Establishment of decentralized ground-mounted grid-connected renewable power plants.
2. Component-B: Deployment of standalone solar-powered agricultural pumps.
3. Component-C: Solarization of grid-connected agricultural pumps.



[Handwritten signature]

WHEREAS, MPUVNL is the State Implementing Agency (SIA) for the execution of different components under the PM-KUSUM Scheme. The role of SIA includes coordinating with banks/financial institutions (FIs) to facilitate financial assistance and to provide guidance to farmers/ Renewable Power Generators (RPGs).

WHEREAS, MPUVNL receives targets from MNRE periodically for different components under the PM-KUSUM Scheme. These projects are implemented by RPGs/vendors selected through a transparent and competitive bidding process in compliance with MNRE guidelines.

WHEREAS, projects under Component-C (Feeder-Level Solarization) and Component-A of the PM-KUSUM Scheme are executed, managed, and maintained by RPGs. An RPGs enters clearly identified contractual arrangement with Madhya Pradesh Power Management Company Limited/ MPPMCL) to sell electricity generated from concerned project to MPPMCL as per detailed term and conditions of power purchase agreement(PPA) executed between MPPMCL and concerned RPG, ensuring project viability and bankability.

WHEREAS, RPGs may require financial support from reputable banks/financial institutions to implement projects effectively. To ensure structured repayment of such financial assistance, an escrow agreement is executed among the RPG, MPPMCL, and the concerned bank/financial institution.

WHEREAS, projects under Component-B of the PM-KUSUM Scheme are executed by empaneled vendors through a competitive selection process. Farmers availing of financial assistance repay loans through their own means and resources.

WHEREAS, to streamline the process and ensure effective implementation, the Parties agree to work collaboratively to standardize procedures, simplify documentation, and establish seamless coordination mechanisms for loan disbursement and repayment.

WHEREAS, in the interest of scheme implementations, it is decided between Parties to endeavour to carve out facilitative and coordinative roles to be anchored by MPUVNL involving Central Bank of India, RPG and MPPMCL.

NOW THEREFORE, the Parties agree to the following terms:

1. Roles and Responsibilities of Central Bank of India

- i. CBoI shall develop and implement a structured framework for financing projects under PM-KUSUM-C (FLS).
- ii. CBoI shall keep MPUVNL informed about significant developments concerning RPGs and project financing.
- iii. CBoI shall appoint a designated liaison officer for continuous coordination between MPUVNL and CBoI.
- iv. CBoI shall ensure that all loan-related processes, including approvals and disbursements, are conducted through its headquarters in Bhopal to facilitate smooth operations for borrowers.

2. ROLES AND RESPONSIBILITIES OF MPUVNL

- i. Shall organize capacity-building initiatives for RPGs to educate them on financial obligations and loan structures under this MoU.



- ii. Shall notify CBOI about RPGs and project-specific financial assistance requests submitted for Central Financial Assistance (CFA) under MNRE guidelines.
- iii. Shall support the execution of tripartite Escrow Agreements among RPG, MPPMCL, and CBOI while maintaining a neutral stance on financial obligations.
- iv. Shall act as the primary coordination body between RPGs, MPPMCL, and CBOI concerning loan repayment, grievance redressal, and information sharing.

3. LIABILITIES

Neither Party shall assume responsibility for the financial commitments, debts, or liabilities of the other Party. MPUVNL shall not be accountable for financial obligations, debt servicing, or loan repayment liabilities of RPGs. The financial burden associated with obtaining and repaying loans from CBOI or other financial institutions shall be borne solely by the respective RPGs.

4. FORCE MAJEURE

Neither Party shall be held liable for any non-performance of obligations arising due to unforeseen events such as natural calamities, war, riots, governmental restrictions, or pandemics. If such events persist beyond three months, the Parties may mutually agree to terminate this MoU.

5. AMICABLE SETTLEMENT

Any disputes arising under this MoU shall be resolved through mutual discussion and negotiation. The decision of the Managing Director of MPUVNL shall be considered final and binding.

6. JURISDICTION

This MoU shall be governed by the laws of India. Any legal disputes shall be resolved within the jurisdiction of the courts in Bhopal.

7. CONFIDENTIALITY

The Parties agree to maintain confidentiality concerning all sensitive information related to this MoU. Disclosure of such information shall only occur in compliance with legal obligations or regulatory requirements.

8. VALIDITY, DURATION, AND AMENDMENTS

- i. This MoU shall enter into force as from the date of signing by the Parties and will remain in force for 2 years extendable on mutually agree terms and conditions based upon the evaluation of performance and outcome. Either Party may terminate this MoU at any time, with or without cause, by providing 30 days' written notice to the other Party. Termination of this MoU will not affect any obligations or liabilities accrued prior to termination, and no penalties or liabilities shall arise from the termination.
 - ii. Either Party may terminate this MoU by providing a 30-day written notice.
- Any amendment to this MoU shall be made through written agreement between the

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9. NON-FINANCIAL AGREEMENT

This MoU does not create any financial liabilities between the Parties. Each Party shall bear its own costs related to implementing the objectives outlined in this MoU.

10. INDEMNITY CLAUSE

Each Party shall indemnify and protect the other against any claims, damages, or liabilities resulting from their respective actions, negligence, or breaches of this MoU.

11. MPUVNL'S LIABILITY

MPUVNL's liability under this MoU shall be restricted to direct damages. MPUVNL shall not be responsible for any indirect, incidental, or financial losses incurred by any Party.

12. GENERAL

- i. This MoU shall be governed and construed in accordance with the laws of India. The competent courts at Bhopal, India shall have the sole and exclusive jurisdiction over any dispute that arises in relation to this Agreement.
- ii. The individual executing this MoU represent and warrant that they are empowered and duly authorized execute this MoU on behalf of the Parties they represent.
- iii. Each Party represents and warrants to the other Party that it is authorised to execute this MoU and is competent to discharge the obligations under this MoU.
- iv. Nothing in this MoU will be construed to create a partnership, joint venture, franchise, fiduciary, employment, or agency relationship between the parties. Neither Party has any express or implied authority to assume or create any obligations on behalf of the other or to bind the other to any contract, agreement or undertaking with any third party. Neither Party has any authority to act as an agent for the other Party or to bind the other Party to any obligations or liabilities with any third parties. This MoU is for the purpose of facilitation and coordination only.
- v. V This MoU is non-exclusive, and nothing in this MoU shall restrict MPUVNL from entering into similar agreements with other banks, financial institutions, or third parties for the facilitation of debt financing for projects under the PM-KUSUM scheme.
- vi. This MoU is non-binding and is intended solely for the purpose of facilitating collaboration between the Parties. The terms and obligations of this MoU do not constitute a legally enforceable agreement, and no rights or claims shall arise from the execution of this MoU unless specifically formalized by further agreements or contracts.
- vii. It is explicitly stated that renewable power generators (RPGs) are not under any obligation to seek financing from CBOL. CBOL is one of the available options for debt financing, and RPGs are free to choose any bank or financial institution at their discretion. Similarly, CBOL shall not be under any obligation to extend loans to all RPGs applying for financial assistance.
- viii. VIII. If any provision of this MoU shall be held by a court of competent jurisdiction to be illegal, invalid or unenforceable, the remaining provisions shall remain in full force and effect. In such cases, any performance or activity undertaken or anchored by Parties attributable to them and its larger implications shall be to the account of the Parties at their risk and cost, whenever such judgments are pronounced or finally effected/ enforced/arise.

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13. NOTICES

All official communications under this MoU shall be exchanged in writing between the designated representatives of MPUVNL and CBoI at their respective addresses.

For MPUVNL	For Central Bank of India- M P State
	 
Mr Ajay Shukla M.P Urja Vikas Nigam Limited Link Road No2, 5 No Bus Stop, Near Durga Petrol Pump, Shivaji Nagar Bhopal (Authorized Signatory with Stamp)	(Shri Tarsem Singh Zira) Zonal Head Central Bank of India, First floor, 9 Arera Hills, Jail Road, Bhopal MP-462011 (Authorized Signatory with Stamp)

Witness	Witness
 (Shree Ajit Jain)  Shree Tarun Kumar Gurjar	 Shri Pramod Mishra DGM-SLBC  Rama Shankar- Chief Manager-Rural Development Zonal Office -Bhopal

Annexure-I (For Farmers)

PM Kusum Component 'A' under Agri Segment

SL No.	Parameter	Particulars
1.	Scheme	Pradhan Mantri Kisan Urja Suraksha Evam Uithan Mahabhiyan - (PM-KUSUM) Component-A
2.	Objective	The Scheme has been launched to achieve the GOI's ambitious target of 100 GW of Solar Power generation by 2022 and also to provide the farmers an opportunity to increase their income by utilizing their barren and uncultivable land for solar or other renewable energy based power plants.
3.	Target group/ Eligibility	Individual Farmer /Group of Farmers/ Co-operatives/ Panchayat / Farmer Producer Organization (FPO)/Water User Associations Borrower under the scheme should exclusively deal with our bank only and should not have availed loan from any other bank
4.	Purpose	To set up Decentralized Ground / Stilt Mounted Grid connected Solar or other Renewable Energy based Power Plants (REPP) of capacity 500 KW to 2 MW backed by PPA (Power purchase Agreement) with Distribution Companies (DISCOM)
5.	Activity	<p>The Distribution companies (DISCOMS) will notify substation surplus capacity which can be fed from such RE power plants to the Grid and shall invite applications from interested renewable power generated will be purchased by DISCOMS at a pre-fixed levelised tariff. aggregate capacity offered by Applicants is more than notified capacity for a particular sub-station, bidding In case, the route 2 will be followed by DISCOMS to select Renewable Power generator and in such cases the pre- fixed levelised tariff will be the ceiling tariff for bidding. Selection of bidders the lowest tariff offered in the ascending order as quoted by the bidders in the closed bid or reverse auction as the case may be. A model PPA (Power Purchase Agreement) to be executed between RPG and DISCOMSs has been prepared by MNRE and attached at Annexure-I. The duration of PPA will be 25 years from Commercial Operation Date (COD) of the project. The total energy purchased from these RE plants will be accounted for fulfillment of RPO by the DISCOM. In case the farmers/ group of farmers/ cooperatives/ Panchayats /Farmer Producer Organisations (FPO)/ Water User associations (WUA) etc. are not able to arrange equity required for setting up the REPP, they can opt for developing the REPP through developer(s) or even considered as RPG in this case. In such a case, the land owner will get lease rent as mutually agreed between the parties. The lease rent may be in terms of Rs per year per acre of land or in terms of Rs per unit energy generated per acre of land area. The farmer(s) may opt for payment of lease rent directly in their bank account by the DISCOM, from the payment due to the developer. A model Land Lease Agreement is as per Annexure-II. However, the terms of Land Lease Agreement may be finalised on mutual consent of concerned parties. The RPG would be free to adopt any renewable energy source or technology while responding to the bid. However, in case of cultivable land with solar plants, the same may be</p>

		installed on stilts, so that the farmers continue to cultivate the land, apart from getting the benefit of lease rent. In such a case DISCOM may also float bids (in case of specific substations) where setting up of solar projects on stilts may be mandatorily required, and bids accordingly. REPP will be preferably installed within five KM radius of the sub-stations in order to avoid high cost of subtransmission lines and to reduce transmission losses.
6.	Quantum of finance	Max. 70% of the project cost. Max. Ceiling - Rs.10 Cr.
7.	Moratorium Period	Maximum 12 months post COD.
8.	Pricing/ Interest rate	Up to Rs 100.00 lakh: MCLR +1.00 % > Rs. 100.00 lakh : As per risk rating of the Borrower,
9.	Repayment	Maximum period of 15 years including moratorium period.
10.	Security	Primary Security: (i) Mortgage of Project Land and Building (except forest land). (ii) Hypothecation of Plant & Machinery (iii) Hypothecation of Receivables based on Tripartite Agreement with DISCOM and farmer backed by ESCROW arrangement under firm PPA. Collateral Security: (i) Assignment of PPA (ii) 100% cash margin for BG facility Personal Guarantees: Personal guarantee of the promoters to be obtained. CGTMSE: The borrower can avail the benefit of credit guarantee package (CGTMSE) by registering as MSME. In case, the borrower is availing the facility under CGTMSE, he has to comply with all the relevant guidelines.
11.	Debt Service Reserve Account (DSRA)	Equivalent to 3 months principal and interest (Minimum) in the form of FDR/TOR.
12.	Subsidy & Subvention	The scheme is now covered under AIF as per guidelines issued by Department of Agriculture & Farmers Welfare, Government of India in Sep-2024.
13.	Power Purchase Agreement (PPA)	PPA with Long term off take arrangement of 25 years with a DISCOM and should be legally vetted by our law department/ empaneled advocate to safeguard the Bank's interest.

PM KUSUM Component 'B' under Agri Segment

SL No.	Parameter	Particulars
1.	Scheme	PM KUSUM Component B & C.
2.	Purpose	Component "B": Individual farmers will be supported to install standalone solar Agriculture pumps of capacity up to 7.5 HP for replacement of existing diesel Agriculture pumps / irrigation systems in off grid areas, where grid supply is not available. Component "C": Individual farmers having grid connected agricultural pump will be supported to solarize pumps. Solar PV capacity up to two times of pump capacity in kW is allowed under this scheme. DISCOMs will purchase excess power from the farmer at the rate decided by the respective State/ SERC.
3.	Target group/	Farmers - Individuals/ Joint borrowers who are own, r cultivators. Preference



		Micro Irrigation Schemes or who opt for Micro irrigation systems.
4.	Margin	Farmer contribution: 10% of benchmark cost of pump set. (Margin money should be brought in upfront before disbursement).
5.	Activity	Pump set - Irrigation
6.	Quantum of finance	Up to 10.00 Lakh
7.	Moratorium Period	For Installation: Maximum 12 Months * For North Eastern States, Sikkim, J&K, HP, Uttarakhand, Lakshadweep and A & N Islands: Maximum 15 months.
8.	Pricing/Interest rate	Up to Rs 3.00 Inc-MCLR(Present MCLR=9%) +1 i.e 10.00% Above Rs 3.00 Inc-MCLR(Present MCLR=9%)+1.50 i.e 10.50%
9.	Repayment	84 months including moratorium in equal Monthly/Quarterly/Half-Yearly/Yearly installments.
10.	Security Norms	(a). Loan limit below Rs.2.0 lakhs: Primary Security: Hypothecation of assets to be created out of bank finance. Collateral Security: NIL (b). Loan limit above Rs. 2.0 lakhs: Primary Security: Hypothecation of assets to be created out of banks' finance. Collateral Security: Charge on farm land or other collaterals- mortgable property/Time Deposit/LIC Policy which is minimum 50% of the loan amt.
11.	Subsidy	* Central Financial Assistance (CFA): 30% of the benchmark cost or the tender cost, whichever is lower of the stand-alone solar Agricultural pump. * State Government. Assistance (CFA): 50% of the benchmark cost or the tender cost, whichever is lower of the stand-alone solar Agricultural pump. State Government: 30%. Farmer contribution: 10%; Bank finance: 10%. The scheme is now covered under Alf as per guidelines issued by Department of Agriculture & Farmers Welfare, Government of India in Sep-2024.

PM Kusum Component 'C' under (Feeder Solarization) under Agri Segment:

SL No.	Parameter	Particulars
1.	Scheme	Pradhan Mantri Kisan Urja Suraksha Evam Utthan Mahabhiyan - (PM-KUSUM) Component-A
2.	Objective	The Scheme has been launched to achieve the GOI's ambitious target of 100 GW of Solar Power generation by 2022 and also to provide the farmers an opportunity to increase their income by utilizing their barren and uncultivable land for solar or other renewable energy based power plants.
3.	Target group/ Eligibility	Individual farmers/ Group of farmers/ Cooperatives/ Panchayats/ Farmer Producer Organizations (FPO)/ Water User associations (WUA).
4.	Purpose	Financing solar or other renewable energy based power plants (REPP) of capacity 500 kW to 2 MW on Barren / uncultivable land backed by PPA (Power Purchase Agreement) with Distribution Companies (DISCOM).

5.	Activity	Installation of solar power or other Renewable Energy based Power Plants (REPP) on barren/fallow land, pasturelands and Marshlands or in stilt fashion on agriculture land owned by farmer. The entire parcel of land required for the project should be in the possession of the farmer/applicant. Agricultural land is also permitted under the scheme provided that solar plants are installed in stilt fashion (i.e. raised structure for installation of Solar panels) and with adequate spacing between panel rows for ensuring that farming activity is not affected. Diversion of land is not necessary in agri segment.
6.	Quantum of finance	Max. 70% of the project cost. Max. Ceiling - Rs.10 Cr.
7.	Moratorium Period	Maximum 12 months post COD.
8.	Pricing/ Interest rate	As per bank policy.
9.	Repayment	Maximum period of 15 years including moratorium period.
10.	Security	Primary Security: (i) Mortgage of Project Land and Building (except forest land), (ii) Hypothecation of Plant & Machinery (iii) Hypothecation of Receivables based on Tripartite Agreement with DISCOM and farmer backed by ESCROW arrangement under firm PPA. Collateral Security: (i) Assignment of PPA (ii) 100% cash margin for BG facility Personal Guarantees: Personal guarantee of the promoters to be obtained. CGTMSE: The borrower can avail the benefit of credit guarantee package (CGTMSE) by registering as MSME. In case, the borrower is availing the facility under CGTMSE, he has to comply with all the relevant guidelines.
11.	Debt Service Reserve	Equivalent to 3 months principal and interest (Minimum) in the form of FDR/TOR.
12.	Subsidy & Subvention	Subsidy proposed under the scheme.
13.	Power Purchase Agreement (PPA)	PPA with Long term off take arrangement of 25 years with a DISCOM and should be legally vetted by our law department/ empaneled advocate to safeguard the Bank's interest.

ANNEXURE-II (FOR DEVELOPERS)

SNO	DOCUMENT REQUIRED FROM DEVELOPER	Details
1	KYC AND CIC	<ul style="list-style-type: none"> PAN/Aadhar/Passport of Promoter/ Director/Guarantor/ Partner AOA/MOA/Certificate of Incorporation (In Case of Company) Partnership Deed/Registration with Registrar of Firms (In Case of Partnership Firm) Udyam Registration Number Legal Entity Identifier (LEI) Due diligence and KYC Compliance of the Borrower/s Co borrowers / Guarantors to be ascertained by the Branch before sanction of the loan. CIC report / RBI defaulter list to be verified.

		be obtained in loans above Rs 50.00 Lakh and held on record					
2	Detailed Project Report	<ul style="list-style-type: none">- Cost of Project- Supplier Details- Quotations- Source of funds (Equity/USL)- Power Purchase Agreement (PPA)- Letter of Award issued by M.P. Urja Vikas Nigam Limited					
3	Provisions to be included in PPA	<ul style="list-style-type: none">- Must Run Status - The power generated shall be evacuated to the maximum extent subject to Grid stability (Must Run) and shall not be subjected to merit order dispatch principles- Assignment - The agreement shall not be assigned by any party except to the financing parties under financing documents or by mutual consent between the parties to be evidenced in writing.- Designated Bank Account with CBoI - The payment of revenue towards sale of power by developer may be deposited or paid in the designated bank account with CBoI- Payment Security - The procurer shall open revolving LC equivalent to one month's billing in favour of developer, which shall be renewed annually.- Force Majeure Clause - The developer is relieved of its obligations in case of Force Majeure covering the events beyond the control of developer as listed in PPA- Change in Law or Taxes - The developer shall be able to pass on the escalation in rates of Taxes and Duties, etc. to off taker.- Generation Compensation for off take constraints - provision for generation compensation due to transmission infrastructure not complete/ grid unavailability and Backdown by DISCOMs should be clearly spelt out					
4	Land	<ul style="list-style-type: none">- If leased, then must contain mortgage able clause.- Accessible/Demarcated /Marketable					
5	Approval and Clearance (Indicative)	<ul style="list-style-type: none">- Environmental Clearances - Environmental and Forest clearances to be in place wherever applicable.- Project approval from State Agency for setting up the plant.- NOC from Pollution Control Board- Grid Connectivity Agreement with the authority concerned.- Approval from DISCOM/State Electricity Board as the case may be.					
6	Operation and Maintenance (O& M)	<ul style="list-style-type: none">- Details of operation and management of the project after implementation.					
7	Financial Benchmarks	<table><tr><td>Parameter</td><td>Benchmark</td></tr><tr><td>Debt Equity</td><td>70:30(Desired level 65:35)</td></tr></table>		Parameter	Benchmark	Debt Equity	70:30(Desired level 65:35)
Parameter	Benchmark						
Debt Equity	70:30(Desired level 65:35)						

		DSCR	1.25:1
		FACR	1.25:1
		ICR Minimum	1.75(Desired 2.00)
		LTV	70%

Other Suggestions:

- The project land should not be landlocked, ensuring accessibility. Additionally, the chain of title must be clear, indicating a secure ownership and transfer process.
- The source of the applicant's margin (won contribution) must be verified before issuing the Letter of Allotment (LOA). This ensures the applicant's financial capability.
- The loan amount depends on the project's cash flow. To ensure the project's viability, applicants are advised to engage experienced and reputable EPC(Engineering, Procurement, and Construction) contractors. Key factors influencing project success include quality of solar panels, transformer quality, proper cabling and wiring and Grid connectivity.
- After issuing LOA, a detailed meeting should be conducted between Urja Vibhag, applicant and bank officials.

Mishra





RMS Communication and Security Architecture- PM KUSUM SEDM Platform

Date: 14/07/2020

Contents

RMS Communication & Security Architecture	2
1. Security Architecture.....	2
2. RMS Registration	3
3. MQTT Topic Structure	3
4. Communication Modes	4
5. Communication Protocols.....	4
6. MQTT Message Structure	5

RMS Communication & Security Architecture

1. Security Architecture (with reference to EESL Tender Annexure 8 – clause 4.d)
2. RMS Registration (with reference to EESL Tender Annexure 8 – clause 4.d)
3. MQTT Topic Structure (with reference to EESL Tender Annexure 8 – clause 4.b,4.c)
4. MQTT Message Structure (with reference to EESL Tender Annexure 8 – clause 4.e,4.f)
5. Annexure: JSON Formats with parameter keywords, sample values and description
 - a. Annexure: Pump Controller
 - b. Annexure: Energy Meter
 - c. Annexure: Inverter
 - d. Annexure: String Combiner Box (SJB)
 - e. Annexure: Heartbeat
 - f. Annexure: DAQ

1. Security Architecture

This section highlights the communication security architecture between RMS/DCU and State SWPS IoT Platform. With this security, architecture, third parties are unable to intercept or “sniff” the encrypted data. This stops ISPs, employers, local network administrators and cybercriminals from being able to perform “packet sniffing” to access what the traffic contains. It also protects against man in the middle (MitM) attacks. This implements Private TLS/SSL VPN to ensure highest level of security.

In additional to this, use of OTP in every message exchange shall help restrict spammers and Bots. Such OTP based mechanism will provide transaction level security which is required for remote operations.



2. RMS Registration

This section details how individual RMS/DCU shall be registered and communicate securely with State SWPS IoT Platform.

- Every supplier/vendor must Register all unique IMEI (International Mobile Equipment Identity) of RMS/DCU with State SWPS
- State SWPS will generate individual client certificate for RMS/DCU against unique IMEI registered and share with supplier/vendor through secured web API interface.
- Every supplier/vendor shall be able to access web API with unique credentials shared with them.
- Web API shall return individual client certificate, Device Broker url and “info” topic.
- After installation of client certificate relevant to IMEI of RMS/DCU, RMS/DCU will connect to Device Broker and get authenticated using client certificate and further shall be able to receive additional configuration details such as FTP credential, Message Topic structure etc. after subscribing to default topic.
- After client certificate expiry, RMS will connect to FTP using available credentials and download the renewed certificate

3. MQTT Topic Structure

This section defines the different topic structure for communication between RMS/DCU and State SWPS through Device Broker.

RMS/DCU will publish and subscribe to their respective topics only, authorization of topic shall be done against unique credentials.

Application Version	Solution	IMEI	Message Type	Publish/Subscribe
IIOT-1	Standalonesolarpump	{IMEI}	Info	Subscribe
	Gridconnectedsolarpump		OTP	Subscribe
	SolarMW		Heartbeat	Publish
	Ongridrooftop		Data	Publish
	Offgridrooftop		Ondemand	Subscribe
			Config	Subscribe

Sample Topic structure for Stand-alone Solar Pump shall be: **IIOT-1/Standalonesolarpump/{IMEI}/info**

Multiple sub-topics will be formed for communication between RMS/DCU and state SWPS IoT Platform

- **Info:** Default Topic To exchange RMS/DCU configuration details
- **OTP:** To exchange OTP at every interval of 15/30/60 minutes
- **Heartbeat:** To update RMS/DCU health indicators at frequent configurable intervals.
- **Data:** To exchange data related to RMS/DCU Monitoring parameters in “push mode”
 - Push data Periodically
 - Push data on Event/Notification
 - History Missing Data Push Mode: History data will be identified against “index”

- **Ondemand:** To exchange data between RMS/DCU and Server in “**Command on Demand**” Mode
 - Each “On Demand” message will have two transactions: Commands, Response.
 - On demand command and response will be tracked against a common “**MSGID**”.
 - On demand message can be used to read and write with two command types
 - Command: “**Read**” - In json received from server replace each key with value from RMS/DCU and send the updated json back to server.
 - Command: “**Write**” - After executing the command based on key-value pair received in json, send the updated json back to server on successful execution.
 - Note: handshaking parameters such as msgid, etc has to send back to server as is, without modification
- **Config:** To update configurable parameters of Device, which is similar to Ondemand but will be used only for configurable parameters of Device, this implements “**Configuration over the air**”
 - Command: “**Read**” - In json received from server replace each key with value from RMS/DCU and send the updated json back to server.
 - Command: “**Write**” - After executing the command based on key-value pair received in json, send the updated json back to server on successful execution.
 - Note: handshaking parameters such as msgid, etc has to send back to server as is, without modification

4. Communication Modes

- **Push on Periodic Interval:** In this mode deployed RMS shall transmit data of Multiple devices and sensors on different configurable time intervals such as Inverter or pump controller data at every 5 minutes, Energy Meter data at every 15 minutes, String Combiner Box data at every 10 minutes
- **Push on Event:** RMS shall detect various configurable alarm or event conditions such as Pump On / Off Status, Inverter On/Off Status, Low Water Flow Rate, Fault or Trip status etc. and It shall transmit data immediately to the server
- **On Demand Read:** In this mode, User will send command to RMS to get data as and when required and RMS will send the required data to server immediately
- **On Demand Write:** In case of Remote Operations, Farmer / Consumer shall send On Demand Write Command to the RMS and RMS will send back the acknowledgement with change in parameters after operation is completed
- **Configuration read/write:** Using this mode, user will be able to read and change configurable parameters remotely such as updating periodic interval, alarm limits, server parameters etc.

5. Communication Protocols

- **Field Device Communication:** RMS to Field Devices communication such as Inverter, Pump Controller, Drive, String Combiner box, MFT/MFM, Data Acquisition System shall be established using **MODBUS RTU protocol** supported by all leading manufacturers globally

- **Energy Meter Communication:** RMS to Energy Meter communication such as Bi Directional (Revenue) Meter, Solar Generation (Audit) Meter shall be established using **DLMS/Modbus protocol** supported by all leading Meter Manufacturers in India
- **RMS to Server Communication - Industrial IoT MQTT Protocol:** RMS to Server Communication shall be established using MQTT protocol which is well accepted IoT protocol across the globe and supported by all leading IT as well as OT companies for Smart Grid, Smart RE and Smart City Applications

6. MQTT Message Structure

This section details message structure exchanged between RMS/DCU and state SWPS IoT Platform through Device Broker

keyword	Description	Sample Value
IMEI	Unique Identification of RMS/DCU – required to ensure registered source of data	863287049443888
VD	Virtual device/group – required for grouping parameters based on update interval/subsystems such as inverter/pump controller/meter/string combiner box etc.	2
MSGID	Message Transaction Id - required for “Ondemand”/”Config” message type, request/response/acknowledgement/feedback	123456789
COMMAND	Read/Write - Applicable only in case of “Ondemand”/”Config” message Type	Read
TIMESTAMP	RTC timestamp of RMS/DCU against all parameters of vd/group (YYYY-MM-DD HH:mm:ss)	2019-08-20 20:15:08
STINTERVAL	Periodic interval at which RMS shall store and transmit data to server. (in minutes)	15
DATE	local storage date – required as a reference to fetch data from local storage (YYYY-MM-DD)	2020-06-15
INDEX	Local storage Index – required as a reference to fetch data from local storage	5
MAXINDEX	Local storage maximum index of local storage date – required to calculate missing index	96
LOAD	Local storage retrieval command & status	0
POTP	Previous One Time Password	12345678
COTP	Current One Time Password, State SWPS Broker will update OTP at interval of 30/60 minutes	12345678
Parameter-1 Parameter-2 Parameter-3 Parameter-1 Parameter-n	Equipment wise Keywords for multiple Parameters.	

Communication Format Annexure

Annexure – 1 (Revision-B) Pump Controller

Message Name	: Periodic Push Pump Controller (1)
Message Format	: JSON
Message Type	: Data
Message Command Flow	: Not Applicable for Data periodic Push
Message response Flow	: RMS -> State SWPS IoT Platform
Message Medium	: GPRS

Command Message

Not Applicable	

Response Message

Message	Description	Unit												
{														
"VD":1	Virtual Device Index/Group	-												
"TIMESTAMP":"2020-05-18 17:58:00",	RTC timestamp of RMS/DCU against all parameters of vd/group	-												
"MAXINDEX":96	maximum index of local storage date	-												
"INDEX":7,	reference of local storage	-												
"LOAD":0,	Local storage retrieval command & status	-												
"STINTERVAL":15,	Periodic interval at which RMS shall store and transmit data to server. (in minutes)	-												
"MSGID":"","	Message Transaction Id - required for "Ondemand"/"Config" message type, request/response/acknowledgement/feedback	-												
"DATE":200518,	local storage date	YYMMDD												
"IMEI":"1234561234561234",	IMEI No. of First Sim to be considered always for unique identity of DCU	-												
"ASN_11":"34123450",	<div>Pump Controller Serial No.<table><tr><td>RMS</td><td>0</td></tr><tr><td>DAQ</td><td>1-9</td></tr><tr><td>Pump Controller</td><td>11-19</td></tr><tr><td>Meter</td><td>21-29</td></tr><tr><td>Inverter</td><td>31-39</td></tr><tr><td>String Combiner Box</td><td>41-49</td></tr></table></div>	RMS	0	DAQ	1-9	Pump Controller	11-19	Meter	21-29	Inverter	31-39	String Combiner Box	41-49	-
RMS	0													
DAQ	1-9													
Pump Controller	11-19													
Meter	21-29													
Inverter	31-39													
String Combiner Box	41-49													
"POTP":"341234",	Previous One Time Password	-												
"COTP":"341234",	Current One Time Password	-												
"PMAXFREQ1":"50.00",	Maximum Frequency	Hz												

"PFREQLSP1":"50.00",		Lower Limit Frequency	Hz
"PFREQHSP1":"50.00",		Upper Limit Frequency	Hz
"PCNTRMODE1":"1",		Solar Pump Controller Control Mode Status	-
0	Variable Frequency Control Mode		
1	CVT Mode for Solar		
2	MPPT mode for Solar		
"PRUNST1":"2",		Solar Pump Controller Run Status	-
0	Stop		
1	Running		
2	Sleep		
3	Low Speed Protection		
4	Dry Run Protection		
5	Over Current Protection		
6	Minimum Power Protection		
"PREFFREQ1":"50.00",		Solar Pump Controller Reference Frequency	Hz
"POPFREQ1":"50.00",		Solar Pump Controller Output Frequency	Hz
"POPI1":"20.00",		Output Current	A
"POPV1":"230.00",		Output Voltage	V
"POPKW1":"45.00",		Output Active Power	KW
"PDC1V1":"550.00",		DC Input Voltage	DC V
"PDC1I1":"50.00",		DC Current	DC I
"PDCVOC1":"650.00",		DC Open Circuit Voltage	DC V
"PDKWH1":"35.00",		Today Generated Energy	KWH
"PTOTKWH1":"120.00",		Cumulative Generated Energy	KWH
"POPFLW1":"2.00",		Flow Speed	LPM
"POPDWD1":"120.00",		Daily Water Discharge	Litres
"POPTOTWD1":"220.00",		Total Water Discharge	Litres
"PMAXDCV1":"750.00",		Max DC Voltage	DC V
"PMAXDCI1":"40.00",		Max DC Current	DC I
"PMAXKW1":"650.00",		Max Output Active Power	DC KW
"PMAXFLW1":"650.00",		Max Flow Speed	LPM
"PDHR1":"8.00",		Pump Day Run Hours	Hrs
"PTOTHR1":"8.00",		Pump Cumulative Run Hours	Hrs
}			

Reaction	
Not Applicable	

Communication Format Annexure

Annexure - 2 Energy Meter

Message Name	: Periodic Push Meter (1)
Message Format	: JSON
Message Type	: Data
Message Command Flow	: Not Applicable for Data periodic Push
Message response Flow	: RMS -> State SWPS IoT Platform
Message Medium	: GPRS

Command Message

Not Applicable	

Response Message

Message	Description
{	
"VD":2	Virtual Device Index/Group
"TIMESTAMP":"2020-05-18 17:58:00",	RTC timestamp of RMS/DCU against all parameters of vd/group
"MAXINDEX":96	maximum index of local storage date
"INDEX":7,	reference of local storage
"LOAD":0,	Local storage retrieval command & status
"STINTERVAL":15,	Periodic interval at which RMS shall store and transmit data to server. (in minutes)
"MSGID": "",	Message Transaction Id - required for "Ondemand"/"Config" message type, request/response/acknowledgement/feedback
"DATE":200518,	local storage date

"IMEI": "1234561234561234",	IMEI No. of First Sim to be considered always for unique identity of DCU												
"ASN_21": 12345678,	Asset Serial Number <table border="1"> <tr> <td>RMS</td><td>0</td></tr> <tr> <td>DAQ</td><td>1-9</td></tr> <tr> <td>Pump Controller</td><td>11-19</td></tr> <tr> <td>Meter</td><td>21-29</td></tr> <tr> <td>Inverter</td><td>31-39</td></tr> <tr> <td>String Combiner Box</td><td>41-49</td></tr> </table>	RMS	0	DAQ	1-9	Pump Controller	11-19	Meter	21-29	Inverter	31-39	String Combiner Box	41-49
RMS	0												
DAQ	1-9												
Pump Controller	11-19												
Meter	21-29												
Inverter	31-39												
String Combiner Box	41-49												
"MTDET1": 30012302,	Meter Detail												
"POTP": "34123450",	Previous One Time Password												
"COTP": "34123450",	Current One Time Password												
"MTBLDATE1": 18,	Billing Date for meter 1												
"DATE1": 180606,	Present date for meter1												
"TIME1": 105400,	Present time for meter1												
"IR1": 20.58,	R Phase Current in Amps												
"IY1": 20.65,	Y Phase Current in Amps												
"IB1": 20.12,	B Phase Current in Amps												
"VRN1": 240.12,	R Phase to Neutral Voltage in Volts												
"VYN1": 242.13,	Y Phase to Neutral Voltage in Volts												
"VBN1": 243.55,	B Phase to Neutral Voltage in Volts												
"VRY1": 420.18,	Phase to Phase Voltage(R-Y) in Volts												
"VYB1": 419.38,	Phase to Phase Voltage(Y-B) in Volts												
"VBR1": 421.5,	Phase to Phase Voltage(B-R) in Volts												
"PFR1": 0.98,	R Phase Power Factor												
"PFY1": 0.97,	Y Phase Power Factor												
"PFB1": 0.96,	B Phase Power Factor												
"FRQ1": 50.05,	Grid Frequency												
"POWR1": 42.578,	R Phase Active Power in KW												
"POWY1": 42.156,	Y Phase Active Power in KW												
"POWB1": 42.354,	B Phase Active Power in KW												
"POW1": 42.185,	Total Active Power in KW												
"RPOWR1": 22.123,	R Phase Reactive Power in KVAR												
"RPOWY1": 20.110,	Y Phase Reactive Power in KVAR												
"RPOWB1": 22.310,	B Phase Reactive Power in KVAR												
"RPOW1": 65.610,	Total Reactive Power in KVAR												
"APOWR1": 55.610,	R Phase Apparent Power in KVA												
"APOWY1": 52.910,	Y Phase Apparent Power in KVA												
"APOWB1": 53.911,	B Phase Apparent Power in KVA												
"APOW1": 14.198,	Total Apparent Power in KVA												
"KWHNET1": 98561.4,	Cumulative Net Energy in KWH												
"KWHIMP1": 98561.4,	Cumulative Import Energy in KWH												
"KWHEXP1": 98561.2,	Cumulative Export Energy in KWH												
"KVAHNET1": 99100.3,	Cumulative Net Energy in KVAH												
"KVAHIMP1": 99105.1,	Cumulative Import Energy in KWH												
"KVAHEXP1": 98999.1,	Cumulative Export Energy in KWH												
"MDKWIMP1": 100.3,	Rising Demand (Import) in KW												
"MDKWEXP1": 98.6,	Rising Demand (Export) in KW												

"POFF1":1020,	Grid Power Failure in Minutes
"TC1":100,	Total Tamper Counts
"PF1":0.99,	Average PF
"LBKWHNET1":98561,	Last Billing Cycle Net Energy in KWH
"LBKWHIMP1":98561,	Last Billing Cycle Import Energy in KWH
"LBKWHEXP1":98561,	Last Billing Cycle Export Energy in KWH
"PMDKVAIMP1":22.50,	Present MD KVA Import
"PMDKVAEXP1":0.00,	Present MD KVA Import
"LBMDKWIMP1":7.07,	Last Billing MD KW Import
"LBMDKWEXP1":0.00,	Last Billing MD KW Export
"LBMDKVAIMP1":7.07,	Last Billing MD KVA Import
"LBMDKVAEXP1":0.00,	Last Billing MD KVA Export
"MDRSTC1":4	MD Reset Count
}	

Reaction	
Not Applicable	

Communication Format Annexure

Annexure – 3 Inverter

Message Name	: Inverter Periodic Push (INVERTER-1)
Message Format	: JSON
Message Type	: Data
Message Command Flow	: Not Applicable for Data periodic Push
Message response Flow	: RMS -> State SWPS IoT Platform
Message Medium	: GPRS

Command Message

Not Applicable	

Response Message

Message	Description
{	
"VD":5	Virtual Device Index/Group
"TIMESTAMP":"2020-05-18 17:58:00",	RTC timestamp of RMS/DCU against all parameters of vd/group
"MAXINDEX":96	maximum index of local storage date
"INDEX":7,	reference of local storage
"LOAD":0,	Local storage retrieval command & status
"STINTERVAL":15,	Periodic interval at which RMS shall store and transmit data to server. (in minutes)
"MSGID":"","	Message Transaction Id - required for "Ondemand"/"Config" message type, request/response/acknowledgement/feedback
"DATE":200518,	local storage date
"IMEI":"1234561234561234",	IMEI No. of First Sim to be considered always for unique identity of DCU
"ASN_31":"34123450",	Inverter Serial No.

	RMS	0	
	DAQ	1-9	
	Pump Controller	11-19	
	Meter	21-29	
	Inverter	31-39	
	String Combiner Box	41-49	
"POTP": "34123450",	Previous One Time Password		
"COTP": "34123450",	Current One Time Password		
"IST1": 1,	Inverter Status		
"IFREQ1": 40,	Frequency		
"IPF1": 0.8,	Power Factor		
"IDC1V1": 500,	DC-1 Voltage		
"IDC1I1": 200,	DC-1 Current		
"IDC1KW1": 200,	DC-1 Power		
"IDC2V1": 243.55,	DC-2 Voltage		
"IDC2I1": 420.18,	DC-2 Current		
"IDC2KW1": 200,	DC-2 Power		
"IDC3V1": 419.38,	DC-3 Voltage		
"IDC3I1": 421.8,	DC-3 Current		
"IDC3KW1": 200,	DC-3 Power		
"IDC4V1": 0.98,	DC-4 Voltage		
"IDC4I1": 0.97,	DC-4 Current		
"IDC4KW1": 200,	DC-4 Power		
"IRPHV1": 0.96,	R phase voltage		
"IRPHI1": 50.05,	R phase current		
"IRPHKW1": 50.05,	R phase Active Power		
"IYPHV1": 42.578,	Y phase voltage		
"IYPHI1": 42.156,	Y phase current		
"IYPHKW1": 50.05,	Y phase Active Power		
"IBPHV1": 42.354,	B phase voltage		
"IBPHI1": 42.185,	B phase current		
"IBPHKW1": 50.05,	B phase Active Power		
"IKW1": 22.123,	Active Power		
"ITKWH1": 20.110,	Today Generated Energy		
"ITON1": 22.310,	Today On Time of Inverter		
"ILKWH1": 65.610,	Life time Generated Energy		
"ILON1": 55.610,	Life time running hours		
"ITEMP1": 52.910,	Inverter Temperature		
"IFT11": 53.911,	Fault-1		
"IFT21": 14.198,	Fault-2		
"IFT31": 98561.4,	Fault-3		
"IFT41": 98561.4,	Fault-4		
"IFT51": 98561.2,	Fault-5		
"IKVA1": 99100.3,	Apparent power		
"IKVAR1": 99105.1	Reactive power		
}			

Reaction	
Not Applicable	

Communication Format Annexure

Annexure - 4 String Combiner Box

Message Name	: Periodic Push String Combiner Box
Message Format	: JSON
Message Type	: Data
Message Command Flow	: Not Applicable for Data periodic Push
Message response Flow	: RMS -> State SWPS IoT Platform
Message Medium	: GPRS

Command Message	
Not Applicable	

Response Message					
Message	Description				
{					
"VD":9	Virtual Device Index/Group				
"TIMESTAMP":"2020-05-18 17:58:00",	RTC timestamp of RMS/DCU against all parameters of vd/group				
"MAXINDEX":96	maximum index of local storage date				
"INDEX":7,	reference of local storage				
"LOAD":0,	Local storage retrieval command & status				
"STINTERVAL":15,	Periodic interval at which RMS shall store and transmit data to server. (in minutes)				
"MSGID":"","	Message Transaction Id - required for "Ondemand"/"Config" message type, request/response/acknowledgement/feedback				
"DATE":200518,	local storage date				
"IMEI":"1234561234561234",	IMEI No. of First Sim to be considered always for unique identity of DCU				
"ASN_41":"34123450",	SJB Serial no <table> <tr> <td>RMS</td><td>0</td></tr> <tr> <td>DAQ</td><td>1-9</td></tr> </table>	RMS	0	DAQ	1-9
RMS	0				
DAQ	1-9				

	Pump Controller	11-19	
	Meter	21-29	
	Inverter	31-39	
	String Combiner Box	41-49	
"POTP": "34123450",	Previous One Time Password		
"COTP": "34123450",	Current One Time Password		
"SI11": "3.00",	SJB1, Channel1 Current		
"SI21": "5.00",	SJB1, Channel2 Current		
"SI31": "5.00",	SJB1, Channel3 Current		
"SI41": "5.00",	SJB1, Channel4 Current		
"SI51": "5.00",	SJB1, Channel5 Current		
"SI61": "5.00",	SJB1, Channel6 Current		
"SI71": "5.00",	SJB1, Channel7 Current		
"SI81": "5.00",	SJB1, Channel8 Current		
"SI91": "5.00",	SJB1, Channel9 Current		
"SI101": "5.00",	SJB1, Channel10 Current		
"SI111": "5.00",	SJB1, Channel11 Current		
"SI121": "5.00",	SJB1, Channel12 Current		
"SI131": "5.00",	SJB1, Channel13 Current		
"SI141": "5.00",	SJB1, Channel14 Current		
"SI151": "5.00",	SJB1, Channel15 Current		
"SI161": "5.00",	SJB1, Channel16 Current		
"SI171": "5.00",	SJB1, Channel17 Current		
"SI181": "5.00",	SJB1, Channel18 Current		
"SI191": "5.00",	SJB1, Channel19 Current		
"SI201": "5.00",	SJB1, Channel20 Current		
"SI211": "5.00",	SJB1, Channel21 Current		
"SI221": "5.00",	SJB1, Channel22 Current		
"SI231": "5.00",	SJB1, Channel23 Current		
"SI241": "5.00",	SJB1, Channel24 Current		
"SDCV1": "635.00",	SJB1, DC Voltage		
"SDCTOTI1": "40.00",	SJB1, Total DC Current		
"SDCTOTKW1": "28.00",	SJB1, Total DC Power		
"SDI11": "1.00",	SJB1, Digital Input1		
"SDI21": "1.00",	SJB1, Digital Input2		
"ST11": "1.00",	SJB1, Temperature1		
"ST21": "1.00",	SJB1, Temperature2		
"ST31": "1.00"	SJB1, Temperature3		
}			

Reaction	
Not Applicable	

Communication Format Annexure

Annexure – 5 RMS

Message Name	: RMS
Message Format	: JSON
Message Type	: Heartbeat
Message Command Flow	: Not Applicable
Message response Flow	: RMS -> State SWPS IoT Platform
Message Medium	: GPRS

Command Message

Not Applicable	

Response Message

Message	Description
{	
"VD":0	Virtual Device Index/Group
"TIMESTAMP":"2020-05-18 17:58:00",	RTC timestamp of RMS/DCU against all parameters of vd/group
"MAXINDEX":96	maximum index of local storage date
"INDEX":7,	reference of local storage
"LOAD":0,	Local storage retrieval command & status
"STINTERVAL":15,	Periodic interval at which RMS shall store and transmit data to server. (in minutes)
"MSGID":"","	Message Transaction Id - required for "Ondemand"/"Config" message type, request/response/acknowledgement/feedback
"DATE":200518,	local storage date
"IMEI":"1234561234561234",	IMEI No. of First Sim to be considered always for unique identity of DCU
"POTP":"341234",	Previous One Time Password
"COTP":"341234",	Current One Time Password
"GSM":1,	Device connected to GSM network
"SIM":1,	SIM detected (1 - detected)
"NET":1,	Device in Network (1 - in network)
"GPRS":"1",	GPRS connected (1 - connected)

"RSSI":22,	Signal Strength
"SD":1,	SD card detected (1 - detected)
"ONLINE":1,	Device Online (1- Online)
"GPS":1,	GPS Module Status (1-ON,0-OFF)
"GPSLOC":1,	GPS Location Locked
"RF":1,	RF Module Status (1-ON,0-OFF)
"RTCDATE":180918,	RTC Date
"RTCTIME":175800,	RTC Time
"TEMP":45.5,	Device Temperature
"LAT":19.06,	Latitude from gps
"LONG":72.8777,	Longitude from gps
"SIMSLOT":1,	Sim Slot (Current Sim Slot: 1 or 2)
"SIMCHNGCNT":10,	Total Sim Slot Change Count
"FLASH":1,	Device Flash Status 1: Detected 0: Error
"BATTST":0,	Battery Input Status: 1 if on battery power else 0
"VBATT":5.0,	Battery Voltage
"PST":1	Power Supply (1-Mains, 2-Battery)
}	

Reaction	
Not Applicable	

Communication Format Annexure

Annexure – 6 DAQ System

Message Name	: Periodic Push DAQ System
Message Format	: JSON
Message Type	: Data
Message Command Flow	: Not Applicable for Data periodic Push
Message response Flow	: RMS -> State SWPS IoT Platform
Message Medium	: GPRS

Command Message

Not Applicable	

Response Message

Message	Description
{	
"VD":12	Virtual Device Index/Group
"TIMESTAMP":"2020-05-18 17:58:00",	RTC timestamp of RMS/DCU against all parameters of vd/group
"MAXINDEX":96	maximum index of local storage date
"INDEX":7,	reference of local storage
"LOAD":0,	Local storage retrieval command & status
"STINTERVAL":15,	Periodic interval at which RMS shall store and transmit data to server. (in minutes)
"MSGID":"","	Message Transaction Id - required for "Ondemand"/"Config" message type, request/response/acknowledgement/feedback
"DATE":200518,	local storage date
"IMEI":"1234561234561234",	IMEI No. of First Sim to be considered always for unique identity of DCU
"POTP":"34123450",	Previous One Time Password
"COTP":"34123450",	Current One Time Password
"AI1":45.5,	Analog Input – 1
"AI2":45.5,	Analog Input – 2
"AI3":45.5,	Analog Input – 3
"AI4":45.5,	Analog Input – 4

"DI11":1,	Digital Input – 1
"DI21":0,	Digital Input – 2
"DI31":1,	Digital Input – 3
"DI41":0,	Digital Input – 4
"DO11":1,	Digital Output – 1
"DO21":1,	Digital Output – 2
"DO31":1,	Digital Output – 3
"DO41":1	Digital Output – 4
}	

Reaction	
Not Applicable	

Annexure - 7

Message Name	: On Demand Read/Write Parameter/Keyword
Message Format	: JSON
Message Type	: Config
Message Command Flow	: Cloud Server-> RMS
Message Response Flow	: RMS -> Cloud Server
Message Medium	: GPRS

Command Message	
Message	Description
{	
"timestamp":"2018-09-18 17:58:00",	
"type": "config",	
"cmd": "write",	To write config
"msgid": "130",	Server Auto Generated
"APN1": "www"	APN Value for sim1
"USR1": "string"	sim1 user name
"PASS1": "string"	sim1 password
"APN2": "Internet"	APN Value for sim2
"USR2": "string"	Sim2 user name
"PASS2": "string"	Sim2 password
"RESTART":1	To restart DCU, 1 : Execute command
"UPDATEINTERVAL":15	Enter update interval in mins.
"HEARTINTERVAL":5	Heartbeat Update Interval in mins
"URTCDATE":200622	DCU RTC Date (YYMMDD) Update
"URTCTIME":220312	DCU RTC Time (HH:MM:SS) Update - 24 hour format
"UPDATERTC":1	Update RTC, 1: Execute command, 0 : Successful execution
"GSMSYNC":1	RTC auto GSM synchronization, 1: to execute command
"DO1":1	Pump Remote ON/OFF Operation (1-ON, 0-OFF)
"AI1ZERO":1	Engineering Zero Value (4 mA dc) for AI1 E.G. 0(LPM)
"AI1SPAN":100	Engineering Span Value (20 mA dc) for AI1 E.G. 5000(LPM)
"AI2ZERO":1	Engineering Zero Value (4 mA dc) for AI2

"AI2SPAN":100	Engineering Span Value (20 mA dc) for AI2
"AI3ZERO":1	Engineering Zero Value (4 mA dc) for AI3
"AI3SPAN":100	Engineering Span Value (20 mA dc) for AI3
"AI4ZERO":1	Engineering Zero Value (4 mA dc) for AI4
"AI4SPAN":100	Engineering Span Value (20 mA dc) for AI4
"URL": "rms1.kusumiiot.co"	URL of Broker Server
"PORT":8883	Port of Broker Server
"CID": "d:860906045525646\$standalonesolarpump\$27"	Unique Client id of device
"USERNAME": "860906045525646\$standalonesolarpump\$27"	Username for device authentication
"PASSWORD": "9e0baa73"	Password for device authentication
"FTPPURL": "rms1.kusumiiot.co"	URL for FTP
"FTPUSER": "866191037709301"	Username for FTP
"FTPPASS": "908552f"	Password for FTP
"FTPPORT":22	Port for FTP
"FTPDOWN":1	Download Certificates from ftp 1: To execute command, 0: Command is successfully executed
}	

Response Message	
Message	Description
{	
"timestamp": "2018-09-18 17:58:00",	
"type": "config",	
"cmd": "write",	To write config
"msgid": "130",	Server Auto Generated
"APN1": "www"	APN Value for sim1
"USR1": "string"	sim1 user name
"PASS1": "string"	sim1 password
"APN2": "Internet"	APN Value for sim2
"USR2": "string"	Sim2 user name
"PASS2": "string"	Sim2 password
"RESTART":1	To restart DCU, 1 : Execute command
"UPDATEINTERVAL":15	Enter update interval in mins.
"HEARTINTERVAL":5	Heartbeat Update Interval in mins

"URTCDATE":200622	DCU RTC Date (YYMMDD) Update
"URTCTIME":220312	DCU RTC Time (HH:MM:SS) Update - 24 hour format
"UPDATERTC":1	Update RTC, 1: Execute command, 0 : Successful execution
"GSMSYNC":1	RTC auto GSM synchronization, 1: to execute command
"DO1":1	Pump Remote ON/OFF Operation (1-ON, 0-OFF)
"AI1ZERO":1	Engineering Zero Value (4 mA dc) for AI1 E.G. 0(LPM)
"AI1SPAN":100	Engineering Span Value (20 mA dc) for AI1 E.G. 5000(LPM)
"AI2ZERO":1	Engineering Zero Value (4 mA dc) for AI2
"AI2SPAN":100	Engineering Span Value (20 mA dc) for AI2
"AI3ZERO":1	Engineering Zero Value (4 mA dc) for AI3
"AI3SPAN":100	Engineering Span Value (20 mA dc) for AI3
"AI4ZERO":1	Engineering Zero Value (4 mA dc) for AI4
"AI4SPAN":100	Engineering Span Value (20 mA dc) for AI4
"URL": "rms1.kusumiiot.co"	URL of Broker Server
"PORT":8883	Port of Broker Server
"CID": "d:860906045525646\$standalonesolarpump\$27"	Unique Client id of device
"USERNAME": "860906045525646\$standalonesolarpump\$27"	Username for device authentication
"PASSWORD": "9e0baa73"	Password for device authentication
"FTPURL": "rms1.kusumiiot.co"	Url for FTP
"FTPUSER": "866191037709301"	Username for FTP
"FTPPASS": "908552f"	Password for FTP
"FTPPORT":22	Port for FTP
"FTPDOWN":1	Download Certificates from ftp 1: To execute command, 0: Command is successfully executed
}	

Command Message	
Command – B. In case, if some key in command are invalid	
Message	Description
{	
"timestamp":"2018-09-18 17:58:00",	
"type":"config",	
"cmd":"write",	to write config
"msgid":"130",	server auto generated
"APNN1": 2	send value "2"
"USR1": "xyz"	send value "xyz"
}	

Response Message	
Message	Description
{	
"timestamp":"2018-09-18 17:58:00",	
"type": "config",	
"cmd":"write",	to write config
"msgid":"130",	server auto generated
"APNN1": 0	invalid Key, value will be returned '0'
"USR1": "xyz"	actual value received
}	

Reaction	
Not Applicable	