



Madhya Pradesh Urja Vikas Nigam Limited

Invites

Request for Proposal (RFP)

For

Standardization of Rates and Selection of Contractors

For

Design, Engineering, Supply, Installation, Testing and Commissioning Including Insurance, Warranty, Spare Parts and Operation & Maintenance of Grid Connected Roof Top Solar PV Projects with/without Energy Storage and Off-Grid Roof Top Solar PV Projects with Energy Storage at Various Locations in the State of Madhya Pradesh

RFP No: F/UVN/2022/RFT/01-361/452

Dated: 25/04/2022

Issued by:-

Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL)

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

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

Fax No: 91-755-2553122

Request for Proposal for Solar Roof top Projects in Madhya Pradesh

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Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL)

Urja Bhawan Link Road No. 2, Shivaji Nagar, Bhopal – 462016
Telephone No.: +91-755-2553595, 2556566, 2767270; Fax No: 91-755-2553122
website: <http://www.mprenewable.nic.in>, Email: epc.mpuvn@gmail.com

RFP No: F/UVN/2022/RFT/01-361/452

Dated: 25/04/2022

Madhya Pradesh Urja Vikas Nigam Limited, invites Bids from the eligible Bidder to participate through this Request for Proposal (RFP) for Standardization of Rates and Selection of Contractors for Design, Engineering, Supply, Installation, Testing and Commissioning Including Insurance, Warranty, Spare Parts and Operation & Maintenance for five (05) years from the date of Commissioning) of Grid Connected Roof Top Solar PV Projects with/without Energy Storage and Off-Grid Roof Top Solar PV Projects with Energy Storage aggregating to about eleven (11) MW at various locations in the state of MP, India. The Grid connected projects may be under one of the following configurations- a) Grid connected net metered systems; b) Grid connected systems for consumption within premises with no export of power.

For the implementation of above-mentioned work, Bidder should submit their scanned copy of bid proposal along with payment of non-refundable Bid Processing Fee and all requisite documents complete in all respects on or before 13/05/2022 up to 1800 hours in prescribed format on the MP Tenders Portal. Bid proposals received without the prescribed Bid Processing Fee and Bid Security will be rejected. In the event of any date indicated above is a declared Holiday, the next working day shall become operative for the respective purpose mentioned herein. Technical Bid will be opened on 17/05/2022 at 1100 hours.

Bid documents which include eligibility criteria, technical specifications, various conditions of Agreement, formats, etc. can be viewed from Nodal Agency's website and can be downloaded from <https://mptenders.gov.in/nicgep/app> for online.

DISCLAIMER

1. Though adequate care has been taken while preparing the RFP document, the Bidder shall satisfy themselves that the document is 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 received by the Bidder.
2. Nodal Agency reserves the right to modify, amend or supplement RFP documents including all formats and annexure up to five (5) days before the Bid submission date. Interested and eligible Bidders are advised to follow and keep track of Nodal Agency's website for updated information. Nodal Agency is not obligated to send/communicate separate notifications 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. While this RFP has been prepared in good faith, 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 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 and the rules or regulations framed under these Acts.

A. BID INFORMATION SHEET

Document Description	Request for Proposal (RFP) for Standardization of Rates and Selection of Contractors for Design, Engineering, Supply, Installation, Testing and Commissioning Including Insurance, Warranty, Spare Parts and Operation & Maintenance of Grid Connected Roof Top Solar PV Projects with/without Energy Storage and Off-Grid Roof Top Solar PV Projects with Energy Storage aggregating to about eleven (11) MW at Various Locations in the State of Madhya Pradesh
RFP No. & Date	RFP No: F/UVN/2022/RFT/01-361/452 Dated: 25/04/2022
RFP Purchase Start Date	25/04/2022 at 1800 hours
RFP Purchase End Date	13/05/2022 at 1800 hours
Broad Scope	Design, Engineering, Supply, Installation, Testing and Commissioning Including Insurance, Warranty, Spare Parts and Operation & Maintenance of Grid Connected Roof Top Solar PV Projects with/without Energy Storage and Off-Grid Roof Top Solar PV Projects with Energy Storage aggregating to about eleven (11) MW at Various Locations in the State of Madhya Pradesh
Last date for submission of queries in written form	The queries shall be submitted to epc.mpuvn@gmail.com till 28/04/2022 up to 1800 hours
Pre-bid Meetings	<p>Two pre-bid meetings (online and offline) shall be held for this RFP.</p> <p>The first pre-bid meeting (Online) shall be held online on 29/04/2022 at 1100 hours. The Bidders shall nominate a maximum of 2 representatives and share the following participation details by 1800 hours of 28/04/2022 at epc.mpuvn@gmail.com:</p> <ul style="list-style-type: none">• Name of the Bidder• Name, Email, Contact No. of the Participant(s) <p>Joining instructions and link for pre-bid meeting shall be shared thereafter.</p> <p>Second pre-bid meeting (Offline) shall be hosted at MPUVNL office, Bhopal on 05/05/2022 at 1100 hours.</p> <p>For the offline pre-bid meeting, interested bidders are requested to nominate their representatives (up to a maximum of 2) to attend the same, and share the details by 1800 hours of 04/05/2022 at epc.mpuvn@gmail.com:</p> <ul style="list-style-type: none">• Name of the Bidder• Name, Email, Contact No. of the Participant(s)
Online Bid Submission Start Date	07/05/2022 up to 1100 hours
Online Bid Submission	13/05/2022 up to 1800 hours

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End Date	
Bid Opening (Technical)	17/05/2022 at 1100 hours
Bid Opening (Financial)	24/05/2022 at 1400 hours (For any modification in Date, time and venue for Financial bid opening shall be updated on our website. Bidders are advised to keep track of the same).
Project completion timelines	Contractor would be expected to complete Projects as per the timeline mentioned in the work order.
Bid Processing Fee (non- refundable)	<p>Bidder shall pay Tender Fee of Rupees 25,000/- (Rupees Twenty Five Thousand only) + Rs. 4,500/- GST through online mode at mptenders.gov.in. This Tender Fee is exclusive of portal charges or payment gateway charges. The additional charges beyond the Tender Fee shall be borne by the Bidder. By paying Tender Fee, a Bidder shall be eligible to Bid for one or more Project Groups under this RFP. Alternatively, Bidders have option of paying tender fees and associated GST etc. 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. However, this option shall be utilized only when Bidder faces problem with online portal.</p> <p>No exemption towards Tender Fee or E-tendering fees is allowed to any type of organizations/ agencies including MSMEs, Startups or any Govt./semi Govt./ PSUs.</p>
Bid Security	<p>Interested Bidder shall furnish Bid Security of required amount for each Category for which Bidder is placing Bid. Bidders placing Bid for more than one Category may opt to furnish single Bid Security of total value of Bid Security(s) required for those Categories.</p> <p>The Bid Security as indicated in clause 3.12.1 of RFP document shall be paid online only through MP Tender's portal. The bidder(s) applying in all categories, shall pay full amount of EMD/Bid security amount, without opting the option 'Bid Security/EMD exemption' on mp tenders portal. Bidder(s) who are not participating in all the categories shall have to select the option 'Bid Security/EMD exemption', in the portal and enter the differential amount (i.e. Total Bid security – category wise applicable bid security, in INR). as exemption and pay the Bid security amount as per the categories applied for. <i>(For example, a bidder applying for all categories shall not opt for the Bid Security/EMD exemption' option and would pay a bid security amount of Rs 115.5 lakhs. A bidder applying for categories A1, A2, B, C, D1, D2, E1 shall be required to pay a bid security of Rs 34 lakhs, and shall opt for the Bid Security/EMD exemption option and enter a differential amount of Rs 81.5 lakhs (i.e. 115.5-34), on entering the differential amount, the payable bid security amount would be automatically visible. Similarly, a</i></p>

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	<p><i>bidder applying only for category II shall enter exemption as Rs 91.0 lakhs (115.5-24.5) and automatically, portal shall allow for payment of Rs 24.5 lakhs as bid security.)</i></p> <p>Exemption towards submission of Bid Security is allowed for startup as per clause 3.4.4. In such cases, appropriate proof shall be uploaded while opting for exemption on the portal i.e. DPIIT recognition certification for startup in the ‘Renewable Energy field’.</p>
Performance Bank Guarantee (“PBG”)	<p>Contractor shall be required to furnish a Construction- Performance Bank Guarantee (“C-PBG”) of value equivalent to 5% of a Work Order Value.</p> <p>Contractor shall furnish Operational Performance Bank Guarantee (“O-PBG”) of 15% of discovered Project cost in the form and manner prescribed in this RFP.</p> <p>Further description for the same is in the RFP document in clause 3.13.</p> <p>Contractor shall furnish these Bank Guarantees as per the prescribed <u>FORMAT 4: PERFORMANCE BANK GUARANTEE</u></p>
Bank Account Details of Nodal Agency (For RTGS payment)	<p>Account Holder Name : M. P. Urja Vikas Nigam Ltd.</p> <p>Bank Name : ICICI Bank Ltd.</p> <p>Bank Branch Address : Shivaji Nagar, Bhopal</p> <p>Account No. : 656501700049</p> <p>IFSC Code : ICIC0006565</p> <p>MICR Code : 462229012</p>
Update on this RfP	<p>Bidders are advised to keep track of changes/ updates/ corrigendum regarding this RfP on http://www.mprenewable.nic.in OR https://mptenders.gov.in/nicgep/app</p>
Address for Bid submission/ correspondence	<p>Mr. Brijesh Kumar Vyas, Additional Executive Engineer, MP Urja Vikas Nigam Ltd., ‘Urja Bhawan’, Link Road No. 2, Shivaji Nagar, Bhopal – 462016</p>

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:

1. “**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 witha Bidder or a member (in case of a Consortium) and “Control” means the ownership, directly or indirectly, of more than 50% of the voting shares or the power to direct the management and policies by operation of law, contract or otherwise. Any bank or financial institution shall not be considered as Affiliate.
2. “**Agreement**” shall mean the terms and condition agreed and signed between Contractor and Nodal Agency;
3. “**Awarded Capacity**” shall mean the total capacity awarded to the Contractor for implementation of Project under this RFP;
4. “**B.I.S**” shall mean specifications of Bureau of Indian Standards (BIS);
5. “**Bid**” shall mean the Technical and Financial proposal submitted by the Bidder along with all documents, credentials, attachment, annexure etc., in response to this RFP, in accordance with the terms and conditions hereof;
6. “**Bidder(s)**” shall mean bidding Company/Limited Liability Partnership (LLP) firm/ Partnership Firm/ Sole Proprietor or Consortium submitting the Bid. Any reference to the Bidder includes its successors, executors and permitted assigns as the context may require;
7. “**Bidding Consortium or Consortium**” shall refer to a group of two or three bidding Company/Limited Liability Partnership (LLP) firm/ Partnership Firm/ Sole Proprietor that has collectively made a Bid, in response to RFP for the project.
8. “**Bid Deadline**” shall mean the last date and time for submission of Bid in response to this RFP as specified in Bid Information Sheet;
9. “**Bid Security**” shall mean Bid Security of desired value, to be submitted on MP Tender’s portal.
10. “**CEA**” shall mean Central Electricity Authority;
11. “**Capacity Utilization Factor or CUF**” CUF in a year shall mean the ratio of the output of the SPV Power Plant in a year versus installed Project capacity x no. of days in the year x 24.

(CUF = Cumulative Project output in kWh / (installed Project capacity in kW x 24 x no. of days in the year));

(no. of days shall be 366 for leap years and 365 for others)

However, for demonstration of successful Completion, CUF shall mean the ratio of the output of the SPV Power Plant in a day versus installed Project capacity x 1 x 24, adjusted to seasonality as per provisions of Clause 3.16.1.

12. **“Category”** shall mean a category of Project(s) as per clause 2.2 of this RFP;
13. **“Capital Cost”** shall mean the lowest (L1) rate of that particular category.
14. **“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;
15. **“Competent Authority”** shall mean Managing Director of Nodal Agency, and/or a person or group of persons nominated by him for the mentioned purpose herein;
16. **“Completion”** shall mean supply and erection/installation of a Project that has been completed, operationally and structurally and put in a tight and clean condition and that all works in respect of pre-commissioning of the Project have been completed except for the installation of net meter and is ready for synchronisation with the grid.
17. **“Commissioning”** means demonstration of CUF as per provisions of clause 3.16 and successful operation of the Grid Connected Project(s), in accordance with prevailing regulations and Off-Grid Project by the Contractor as defined in clause 3.16.1 and 3.16.2, of the RFP as applicable;
18. **“Company”** shall mean a body incorporated in India under the Companies Act, 1956 or Companies Act, 2013 including any amendment thereto;
19. **“Comprehensive O&M”** shall mean insurance, warranty, spare parts and operation & maintenance of Projects with / without energy storage for five (05) years from the date of Commissioning;
20. **“Contract”** shall mean the design, engineering, supply, installation, testing & Commissioning including insurance, warranty, spare parts and operation & maintenance (for five (5) years from the date of Commissioning) of Grid Connected Roof Top Solar PV Projects with/without Energy Storage and Off-Grid Roof Top Solar PV Projects with Energy Storage including other related civil and electrical works (as per site requirement) at various locations in the State of M.P.;
21. **“Contract Validity Period”** shall mean the period between date of opening of Financial Bid and up to **30th June 2023** during which the rates standardised after bidding process under this RFP shall be valid and applicable for Contract(s) awarded; It may be extended further for a period of One (1) year with mutual consent by the Nodal Agency and the Contractor(s);

22. “**Contractor**” shall mean the Successful Bidder or Project Company who has accepted the LICA and has signed the Agreement;
23. **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;
24. “**Eligible Bidder(s)**” shall mean the Bidder who, after evaluation of their Technical Bid as per Eligibility Criteria, stand qualified for opening and evaluation of Financial Bid;
25. “**Eligibility Criteria**” shall mean the Eligibility Criteria as set forth in this RFP;
26. “**Financial Bid**” shall mean online financial Bid, containing the Bidder’s quoted price as per RFP format;
27. “**IEC**” shall mean specifications of International Electrotechnical Commission;
28. “**Inspecting Authority**” shall mean the authority designated by the Nodal Agency for the said purpose;
29. “**Invalid Bid**” shall mean bids which will be not be considered for evaluation of Financial Bid
30. “**kWp**” shall mean KiloWatt Peak;
31. “**kWh**” shall mean KiloWatt Hour;
32. “**LICA**” shall mean Letter Inviting Consent for Agreement;
33. “**Lead Member**” shall mean the member of Bidding Consortium which is designated as lead of the Consortium by other member(s) to represent them as Bidder for this RFP;
34. “**LOI**” shall mean Letter of Intent issued by Nodal Agency for particular site(s)
35. “**MNRE**” shall mean Ministry of New and Renewable Energy, Government of India;
36. “**MWp**” shall mean Mega Watt Peak;
37. **Month(s)**” shall mean a calendar month as per the Gregorian calendar;
38. “**Nodal Agency**” shall mean the Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL), Bhopal;
39. “**Minimum Guaranteed Generation**” shall mean the generated Solar Power Units at the output of inverter/combination of inverters.
40. “**Preventive Maintenance**” shall mean maintenance of Project for preventing and/or eliminating the defects in solar panels, inverters, junction boxes, mounting structures, cables connection, cleaning of Modules, checking earthing effectiveness, output check of current, voltage, power against the expected output from the project or different strings/junction boxes/ inverters.
41. “**Project(s)**” shall mean the Grid Connected Solar PV Project(s) with/without