

Madhya Pradesh Urja Vikas Nigam Limited

Invites

Request for Proposal (RFP)

For

standardization of rates and Selection of Contractors

For

Survey, Supply, Installation & Commissioning of Solar Photo Voltaic Water Pumping Systems for Drinking Water Purpose, etc. with 5 years warranty & Comprehensive Maintenance

Contract (CMC) in accordance with MNRE norms

at

various locations in the State of Madhya Pradesh.

RFP No. MPUVN/ Solar Pump/ 2020-21/ 18

Issued by:

Date: 05.05.2020

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

Telephone No.: +91-755-2553595, 2575670

Fax No: 91-755-2553122

Email: ceuvn@mp.gov.in

Website: http://www.mprenewable.nic.in

TABLE OF CONTENTS

S. NO.	PARTICULARS	PAGE NO.
4	DID INFORMATION SUFFET	7
1.	BID INFORMATION SHEET	7
2.	DEFINITIONS & ABBREVIATIONS	10
3.	INTERPRETATIONS:	15
4.	SECTION-I (INTRODUCTION, BID DETAILS AND INSTRUCTIONS TO THE BIDDER)	16
5.	SECTION-II (BID EVALUATION)	50
6.	SECTION III (SCOPE OF WORK)	57
7.	SECTION IV (TERMS AND CONDITION FOR PAYMENT)	64
8.	SECTION V (CHECKLIST)	67
9.	SECTION VI (TECHNICAL PARAMETERS)	69
10.	SECTION VII (FINANCIAL BID)	73
11.	ANNEXURE 1: COVERING LETTER	101
12.	ANNEXURE 2: GENERAL PARTICULARS OF THE BIDDER	106
13.	ANNEXURE 3: ACKNOWLEDGEMENT OF RFP DOCUMENT	107
14.	ANNEXURE 4: FORMAT FOR BANK GUARANTEE FOR BID SECURITY	108
15.	ANNEXURE 5: FORMAT FOR PERFORMANCE BANK GUARANTEE	110
16.	ANNEXURE 6: CHECK LIST FOR PBG (C-PBG/ O-PBG)	113
17.	ANNEXURE 7: POWER OF ATTORNEY	114
18.	ANNEXURE 8: TECHNICAL ELIGIBILITY CRITERIA REQUIREMENT	117

S. NO.	PARTICULARS	PAGE NO.
19.	ANNEXURE 9: FINANCIAL ELIGIBILITY CRITERIA REQUIREMENT	120
20.	ANNEXURE 10-A: CERTIFICATE OF RELATIONSHIP OF AFFILIATE WITH THE	122
	BIDDER	
21.	ANNEXURE 10-B: UNDERTAKING FORM	123
22.	ANNEXURE 11: UNDERTAKING FOR COMBINED O-PBG	125
23.	ANNEXURE 12: FORMAT FOR AGREEMENT	126
24.	ANNEXURE 13: SUMMARY TABLE FOR TEST REPORTS	128
25.	ANNEXURE 14: FORMAT FOR UNDERTAKING BY EQUIPMENT SUPPLIER	130
26.	ANNEXURE 15: UNDERTAKING FOR DEDUCTION	133
27.	ANNEXURE 16: CERTIFICATE OF HALF YEARLY VISITS	134
28.	ANNEXURE 17: DECLARATION	135
29.	ANNEXURE 18: FORMAT FOR BANK GUARANTEE FOR MOBILISATION ADVANCE	137
30.	ANNEXURE 19: TECHNICAL SPECIFICATIONS	140
31.	ANNEXURE 20: TECHNICAL SPECIFICATIONS (APPLICABLE FOR CATEGORY A and F)	152
32.	ANNEXURE 21: ENGINEERING DRAWING AND SPECIFICATIONS FOR MS STEEL RAISED STRUCTURES FOR RMPE WATER STORAGE TANKS	160
22	ANNEYLIDE 22. IS 12701, 100C DOTATIONAL MOULIDED DOLVETLIVLENE WATER	167
33.	ANNEXURE 22: IS 12701: 1996 ROTATIONAL MOUIJDED POLYETHYLENE WATER STORAGE TANKS SPECIFICATION	167
34.	ANNEXURE 23: CONSORTIUM AGREEMENT	182
35.	ANNEXURE 24: ATTENDEE INFORMATION FOR PRE-BID MEETING	186

Request for Proposal for Drinking Water Solar Pumps

S. NO.	PARTICULARS	PAGE NO.
36.	ANNEXURE 25: UNIVERSAL SOLAR PUMP CONTROLLER (USPC) – TECHNICAL SPECIFICATIONS	188
37.	ANNEXURE 26: POWER OF ATTORNEY IN FAVOUR OF LEAD MEMBER OF CONSORTIUM	198

Request for Proposal for Drinking Water Solar Pumps

NOTICE INVITING PROPOSALS

RFP No: MPUVN/ Solar Pump/ 2020-21/ 18

Date: 05/05/2020

Madhya Pradesh Urja Vikas Nigam Limited (MPUVNL) invites proposals from eligible bidders for

standardization of rates and selection of Contractors for Survey, Supply, Installation & Commissioning of

Solar Photovoltaic Pumping Systems of various capacities/heads, with or without handpump, for Drinking

Water Purpose etc. with provision for manual three times tracking in a day and remote monitoring of the

system along with 5 years warranty & Comprehensive Maintenance Contract (CMC) in accordance with

MNRE/ BIS/ IEC/ CE norms, in existing bores at various locations in state of Madhya Pradesh.

For the implementation of above-mentioned work, Bidder should submit the scanned copy of their bid

proposal along with non-refundable Bid Processing Fee and all requisite documents complete in all

respects on or before 28/05/2020 up to 03:30 PM on online portal https://www.mptenders.gov.in in

prescribed format. 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 online by

MPUVN on 30/05/2020 at 11:30 AM.

Bid documents, which include eligibility criteria, technical specifications, various conditions of Agreement,

formats, etc., can be viewed from Nodal Agency's website http:// www.mprenewable.nic.in and can be

downloaded from https://www.mptenders.gov.in for online submission.

It may be noted that the costs of preparing the proposal and of negotiating the contract are not

reimbursable as a direct cost of the proposal and MPUVN is not bound to accept any/ all of the proposals

submitted. All Successful Bidders are expected to commence the Work on the Time-schedule specified in

the work order as per the Scope of Work, General & Specific Terms and Conditions mentioned herein.

(Chief Engineer)

M.P. Urja Vikas Nigam Ltd., Bhopal

Mobile-9425008000

Email: ceuvn@mp.gov.in

5 | Page

DISCLAIMER

- Though adequate care has been taken while preparing the RFP document, the Bidder shall satisfy themselves that the RFP 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 prebid 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, at any time before 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) <u>BID INFORMATION SHEET</u>

•	Standardization of rates and selection of Contractor for Survey, Supply,
	Installation & Commissioning of Solar Photovoltaic Pumping systems of various
	capacities/heads , with or without handpump attached, for drinking water
	purposes with provision for three times manual tracking in a day and remote
	monitoring of the System along with 5 years warranty & Comprehensive
	Maintenance Contract (CMC) etc. in accordance with MNRE/BIS/IEC/CE norms,
	in existing bores, in the state of MP.
Number of Pumps	Total Number of Pumps – Approximate 10,000
Number of Rotational	Total Number of Water storage tanks – Approximate 4,000
Molded Polyethylene	
(RMPE) Water Storage	
Tanks with MS steel	
raised structure	
RFP No. & Date	RFP No: MPUVN/ Solar Pump/ 2020-21/ 18 Dated: 05/05/2020
RFP Purchase Start	08/05/2020 at 06:00 PM
Date	
RFP Purchase End Date	28/05/2020 up to 11:00 AM
Pre-bid Meeting	A pre-bid meeting shall be held through video conferencing on 19/05/2020 at
	03:00 PM. Interested bidders are requested to provide the details (email IDs and
	Names of the attendees), as per Annexure -24, through e-mail to
	ceuvn@mp.gov.in and aee10.mpuvn1982@gmail.com by at least 2 days before
	the Pre-Bid Meeting.
	The details are mentioned as clause 3.11 of this RFP.
Last date & Time of	28/05/2020 up to 3:30 PM
Submission of Technical	
and Financial Bid	
submission (ONLINE)	
Last date & Time of	The hard copies should reach Nodal Agency preferably within 15 days from the

Submission of technical	online bid submission deadline. In case of speed post and courier, bidder shall			
bid (HARD copies)	communicate the tracking details through e-mail at ceuvn@mp.gov.in and			
bid (TAND copies)				
	aee10.mpuvn1982@gmail.com			
Bid Opening (Technical)	30/05/2020 at 11:30 AM			
Bid Opening (Financial)	03/06/2020 at 11:30 AM (For any modification in Date and time for Financial			
	bid opening shall be updated on our website. Bidders are advised to keep			
	tracking of the same).			
Project commissioning	Contractor would be expected to commission works mentioned in Work			
timelines	Order within four (4) months from date of issue of work order, extendable by			
	a maximum of 30 days at sole discretion of Managing Director, MPUVNL.			
	however, this period may further be extended at the sole discretion of MD,			
	MPUVNL under extreme conditions. Work specific timelines shall be defined in			
	respective work orders.			
Bid Processing Fee	Bidder shall pay Bid processing fee of Rupees 25,000/- (Rupees Twenty Five			
(non- refundable)	Thousand only) online through <u>www.mptenders.gov.in</u> portal via NET BANKING			
	and NEFT/RTGS.			
	By paying this fee, a Bidder shall be eligible to Bid for one or more Categories			
	under this RFP.			
	Additionally, Bidder shall pay E-tendering fees of requisite amount to the hosting			
	agency vide online through www.mptenders.gov.in along with their E -tendering			
	fees, for submission of a Bid which may be for participation in one or more			
	categories.			
	No exemption towards processing fees or E-tendering fees is allowed to any			
	other type of organizations/ SSI/ MSME/ START-UP, any Govt./ semi Govt./ PSUs.			
Bid Security	Interested Bidder shall furnish Bid Security of required amount as per the RFP The			
·	Bid Security as indicated in Table 7, Clause 3.15 of RFP document, shall be in the			
	form of			
	Bank guarantee as per prescribed format			
	or			
	Deposit through RTGS transfer to the MPUVN's bank account.			
L				

No exemption towards Bid Security fees or E-te other type of organizations/ SSI/MSME, an However, start-up(s) and MSMEs registered from Bid security fe			I/MSME, any Govt./ semi Govt./ PSUs. registered with NSIC shall be exempted	
Performance Bank	Contractor shall be required to furnish a Contract Performance Bank Guarantee			
Guarantee ("PBG")	("C-PBG") of value equivalent to 5% of work order value excluding taxes.			
	Contractor shall furnish Operational Performance Bank Guarantee ("O-PBG") as			
	per clause 3.16.6, in the form and manner prescribed in this RFP.			
Bank Account details	Account Holder Name	:	M.P. URJA VIKAS NIGAM LTD.	
may be used for the	Bank Name	:	ICICI BANK LTD.	
purpose of submission	Bank Branch address	:	SHIVAJI NAGAR, BHOPAL	
of Bid Security, C-PBG	Account No.	:	656501700049	
and OPBG (If required	IFSC Code	:	ICIC0006565	
in any format/Annexure	MICR Code	:	462229012	
etc.)				
Update on this RFP	Bidders are advised to keep tracking of changes/ updates/ corrigendum			
	regarding this RFP on http://www.mprenewable.nic.in OR			
	http://www.mptenders.gov.in			
Address for	Chief Engineer, MP Urja Vikas Nigam			
correspondence	"Urja Bhawan" Link Road No. 2,			
Shivaji Nagar,				
Bhopal – 462016				

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
 - controls, or
 - is controlled by, or
 - is under common control with

Any bank or financial institution shall not be considered as Affiliate;

- "Agreement" shall mean the terms and condition agreed and signed between Contractor and Nodal Agency i.e. MPUVNL;
- 3. "Awarded Capacity" shall means the total quantity of works 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/attachments 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 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 maximum three (3) bidding Company/
 Limited Liability Partnership (LLP) firm/ Partnership Firm/ Sole Proprietor that has collectively made a
 Bid, in response to RFP for the project (as per annexure 23)
- 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 in the form of unconditional and irrevocable bank guarantee (as per Annexure 4) /RTGS, in favour of MPUVNL, to be submitted along with the Bid