

INVITATION FOR BIDS

NTPC VIDYUT VYAPAR NIGAM LIMITED
(A wholly owned Subsidiary of NTPC Limited)

CONTRACT & MATERIALS, NOIDA

INVITATION FOR BIDS (IFB)
FOR

IFB for Enlistment & Discovering of L1 rates for EPC Contractors for Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and 10 years O&M of Grid Connected Rooftop Solar PV Projects across India.

(Domestic Competitive Bidding)

Bidding Document No.: NVVN/CandM/RE- 85/2020-21

- 1.0 **NTPC VIDYUT VYAPAR NIGAM LIMITED (NVVN)** invites **online** Bids from eligible bidders on '**Single Stage Two Envelope**' bidding basis (Envelope-I: Techno-Commercial Bid & Envelope-II: Price Bid) for aforesaid Package as per the scope of work briefly mentioned hereinafter:
- 2.0 **BRIEF SCOPE OF WORK**

The scope of the proposal for “**IFB for Enlistment & Discovering of L1 rates for EPC Contractors for Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and 10 years O&M of Grid Connected Rooftop Solar PV Projects across India** ” shall be on the basis of a single point responsibility, completely covering the following activities and services in respect of all the equipment specified and covered under the specifications and read in conjunction with “**Technical Specifications**”, Section –VI of IFB.

1. Details of work

- a) The successful bidder shall be exclusively responsible for feasibility assessment, designing, engineering, procurement, testing & commissioning and all other relevant activities like rooftop strength test, water arrangements, construction power, transportation required for setting up Roof Top Solar PV Plant and O&M activities for 10 years.
- b) Designing, engineering, supply, installation, testing and Commissioning of Project as per standard design and specifications and connecting up to existing Mains/ACDB and interfacing internal electrical loads with licensee’s network/electrical loads with Comprehensive O & M for period of Ten (10) Operational Years for Sale of Solar Power. The successful Bidder would have to take approval for the interfacing the Project with Grid from distribution licensee/ CEIG/any other state agency, as applicable.
- c) The design, engineering, supply, installation, testing and performance of the equipment shall be in accordance with latest appropriate IEC/Indian Standards as per Technical Specification (Section VI) mentioned in IFB.

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- d) Remote monitoring of the generation of Solar Power shall be done through appropriate software.
- e) Detailed planning of time bound smooth execution of Project;
- f) Performance testing for Successful Commissioning of the Project as mentioned in Technical Specification (Section VI) of IFB;
- g) Comprehensive O &M of the Project for Ten (10) Operational Year to assure faultless operation, and inventory maintenance; Supply of Power from Commissioning and acceptance of power plant to Ten (10) Operational Years;
- h) Coverage of risk liability of all personnel associated with implementation and realization of the Project;
- i) The Bidder shall be responsible to maintain sufficient inventory of the spare parts to ensure that the Project is functional during the O&M period;
- j) The Bidder shall be responsible for seeking all sort of approvals from CEIG/Discom/ or any other State Agencies.

Detailed Scope of work has been specified in the Technical Specification (Section VI) of IFB.

3.0 NVVN intends to finance subject Package through External Commercial Borrowings/ Domestic Commercial Borrowings / Own sources.

4.0 Detailed Specification, Scope of Work and Terms & Conditions are given in the Bidding Documents, which are available for examination and Sale at our GePNIC e-procurement portal <https://eprocurementpc.nic.in> as per following schedule.

Issuance of IFB	As per time schedule mentioned at Portal
Bidding Document Sale Date & Time	As per time schedule mentioned at Portal
Last Date for receipt of queries from bidders (if any) *	As per time schedule mentioned at Portal Note: No queries shall be entertained after last date of receipt of queries.
Bid Submission End Date & Time	As per time schedule mentioned at Portal
Bid Opening Date & Time for Techno-Commercial Bid	As per time schedule mentioned at Portal
Price Bid Opening Date & Time	Shall be intimated separately by NVVN.
Cost of Bidding Document	INR 22500/-(Indian Rupees Twenty Two Thousand

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	Five Hundred only), inclusive of GST
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* No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries as specified above.

- 5.0 All bids must be accompanied by "Bid Security Declaration" in lieu of Bid Security in the form as stipulated in the Bidding Documents.

ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE "BID SECURITY DECLARATION" IN A SEPARATE SEALED ENVELOPE SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND SHALL NOT BE OPENED.

6.0 QUALIFYING REQUIREMENTS FOR BIDDERS

In addition to the requirements stipulated under section Instruction to Bidder (ITB), the bidder should also meet the qualifying requirements stipulated hereunder in Clause 6.1 and Clause 6.2.

6.1 TECHNICAL CRITERIA

- 6.1.1 The Bidder should have designed, supplied, erected/ supervised erection and commissioned/ supervised commissioning of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 800 Kwp or higher, out of which at least one Roof Top Solar Photo Voltaic plant should have been of 100 kWp or higher capacity. The reference plant of 100 kWp or higher capacity must have been in successful operation for at least six (6) months prior to Techno Commercial Bid Opening Date.

OR

- 6.1.2 The Bidder should be a developer of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 800 Kwp or higher, out of which at least one Roof Top Solar Photo Voltaic plant should have been of 100 kWp or higher capacity. The reference plant of 100 kWp or higher capacity must have been in successful operation for at least six (6) months prior to Techno Commercial Bid Opening Date.

OR

- 6.1.3 (a) The Bidder should have executed in the last ten (10) years an industrial project either as developer or as EPC Contractor in the area of power/ steel/ oil and gas/ petro-chemical/ fertilizer/cement/coal mining including coal handling plant and/ or any other process industry, of a value of INR 40 Million (Indian Rupees Forty Million only) or more in a single project or single work respectively and the same should be in successful operation for at least one (1) year prior to Techno Commercial Bid Opening Date.

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AND

- 6.1.3 (b) The Bidder should have executed at least one (1) Electrical Sub-station of 11 kV or above voltage level, consisting of equipment such as 11 kV or above voltage level circuit breakers and Power transformer, either as developer or as EPC Contractor which should be in successful operation for at least one (1) year prior to Techno Commercial Bid Opening Date.

The works referred to clause 6.1.3 (a) & 6.1.3 (b) can be in same or different projects.

OR

- 6.1.4 The bidder should be an Indian company registered in India and should be Group company/Holding Company/Subsidiary company of a firm meeting the requirement (s) of Clause 6.1.1 or 6.1.2 or 6.1.3 above.

In such a case, Bidder shall furnish an Undertaking jointly executed by the firm qualified as per clause 6.1.1 or 6.1.2 or 6.1.3 and the Bidder along with its Bid for complete performance of the contract (in case of award) jointly or severally, as per the format enclosed in the Bid document failing which the Bidder's Bid is liable to be rejected.

Notes for Clause 6.1:

- a. The reference SPV based grid connected power plant of 100 kWp or higher capacity should be at a single location developed by Bidder for itself or any other client.
- b. SPV based Roof Top/Floating/Ground Mounted Solar Power Project, which are Grid Connected shall also be considered eligible for QR purpose.
- c. Bidder shall submit certificate of successful completion and operation from the Owner.
- d. Projects executed by Bidder's group company, Holding Company or Subsidiary Company shall also be considered as Bidder's experience for meeting the QR, provided Bidder is an Indian company registered in India.
- e. In case the award for the reference works has been received by the Bidder either directly from owner of plant or any other intermediary organization, a certificate from such owner of plant or the intermediary organization shall be required to be furnished by the Bidder along with its Bid in support of its claim of meeting requirement stipulated above. Certificate from owner of the plant shall also be furnished by the Bidder for successful operation of the reference plant.
- f. In case of developer as Bidder in clause 6.1.2 or 6.1.3, the documentary evidence (certified by Chartered Accountant) for value of executed reference work must be submitted by the Bidder.
- g. Developer means an entity who has either executed or got executed the work/ project as owner of industrial projects.
- h. The execution of industrial project as EPC Contractor under Clause No. 6.1.3 means,

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such EPC Contractor is responsible for all the activities i.e. Design/Engineering, Procurement, Construction and Commissioning of a project/work.

- i. The portion of work related to power transformer such as supply and or installation mentioned at cl. no. 6.1.3 (b) can either be done by EPC contractor by themselves or by the owner.

6.2 FINANCIAL CRITERIA

- 6.2.1 The average annual turnover of the Bidder, should not be less than INR X Million (Indian Rupees X Million only) or in equivalent foreign currency during the preceding three (3) financial years.

S.No.	Capacity Range of the Projects	X (Minimum Average Annual Turnover for the last preceding 3 years)
1	20kw-100kw	41
2	100kw-500kw	
3	500kw-1000kw	
4	1000kw-3000kw	123
5	3000kw-10000kw	410

In case a Bidder does not satisfy the average annual turnover criteria, stipulated above on its own, its Holding Company would be required to meet the stipulated turnover requirements as above, provided that the Net Worth of such Holding Company as on the last day of the preceding financial year is at least equal to or more than the paid-up share capital of the Holding Company. In such an event, the Bidder would be required to furnish along with its Techno-Commercial Bid, a Letter of Undertaking from the Holding Company, supported by the Holding Company's Board Resolution, as per the format enclosed in the Bid documents, pledging unconditional and irrevocable financial support for the execution of the Contract by the Bidder in case of award.

- 6.2.2 Net Worth of the Bidder as on the last day of the preceding financial year should not be less than 100% (hundred percent) of Bidder's paid-up share capital.

In case the Bidder does not satisfy the Net Worth criteria on its own, it can meet the requirement of Net worth based on the strength of its Subsidiary (ies) and/or Holding Company and/or Subsidiaries of its Holding companies wherever applicable. In such a case, the Net worth of the Bidder and its Subsidiary(ies) and/or Holding Company and/or Subsidiary(ies) of the Holding Company, in combined manner should not be less than 100% (hundred percent) of their total paid up share capital. However individually, their Net worth should not be less than 75% (seventy-five percent) of their respective paid up share capitals.

Net worth in combined manner shall be calculated as follows:

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Net worth (combined) = $(X1+ X2+X3) / (Y1+Y2+Y3) \times 100$ where X1, X2, X3 are individual Net worth which should not be less than 75% of the respective paid up share capitals and Y1,Y2,Y3 are individual paid up share capitals.

6.2.3 In case the Bidder is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the Bidder can be considered acceptable provided the Bidder further furnishes the following documents on substantiation of its qualification:

- (a) Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.
- (b) Certificate from the CEO/ CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the unaudited unconsolidated financial statements form part of the consolidated financial statement of the Holding Company.

In case where audited results for the last financial year as on the date of Techno Commercial Bid Opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case the Bidder is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited result of three consecutive financial years preceding the last financial year shall be considered for evaluating financial parameters. Further, a certificate would be required from the CEO/CFO as per the format enclosed in the bidding documents stating that the financial results of the company are under audit as on date of Techno Commercial Bid Opening and the Certificate from a practicing Chartered Accountant certifying the financial parameters is not available.

Notes for Clause 6.2:

- a. Net worth means the sum total of the paid up share capital and free reserves. Free reserves mean all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus,
- b. Other income shall not be considered for arriving at annual turnover.
- c. "Holding Company" and "Subsidiary" shall have the meaning ascribed to them as per Companies Act of India,
- d. For Turnover indicated in foreign currency, the exchange rate as on seven (7) days prior to Techno Commercial Bid Opening date shall be used.

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7.0 Bidding shall be done region wise, capacity category wise and types of roof. Details are given in BDS Section. Bidders need to quote region wise, capacity category wise and types of roof. The Bidder shall have to mandatorily bid for the capacity ranges at clause 6.2.1, S. No. 1,2, & 3 above i.e. for capacity ranges of 20 Kw- 100 kW, 100 kW – 500kw and 500kW -1000Kw for both types of roof (GI or Elevated Structures, where Elevated Structures has already been built and RCC roof) for a particular region. The Bidder can bid for maximum all category for all types of roof and for all region. The Bidder shall have to bid for minimum 3 category (Minimum Bid Capacity) for capacity range of 20 Kw- 100 kW, 100 kW – 500kw and for 500kW -1000Kw for all types of roof (GI or Elevated Structures, where Elevated Structures has already been built and RCC) for a particular region. The Bidder minimum Average Annual Turnover should not be less than INR 41 Million to make it qualify to bid for at least 3 category for capacity range of 20 Kw- 100 kW, 100 kW – 500kw and for 500kW -1000Kw for all types of roof for a particular region/for all region. Bidder having Average Annual Turnover of INR 123 Million, can bid for capacity range of 20 Kw- 100 kW, 100 kW – 500kw , 500kW -1000Kw and 1000 kW -3000 kW for all types of roof for a particular region/for all region. Bidder having Average Annual Turnover of INR 410 Million, can bid for capacity range of 20 Kw- 100 kW, 100 kW – 500kw , 500kW -1000Kw, 1000 kW -3000 kW and 3000 kW-10000 Kw for all types of roof for a particular region/for all region.

Note : NVVN reserves the right to reject any or all bids or cancel / withdraw the Invitation for Bids without assigning any reason whatsoever and in such case no bidder / intending bidder shall have any claim arising out of such action.

8.0 A complete set of Bidding Documents may be downloaded from <https://eprocurementpc.nic.in> by any interested Bidder. Tender fee of ₹22500 (inclusive of GST), in the form of a crossed A/C PAYEE DEMAND DRAFT / BANKERS CHEQUE / PAY ORDER in favor of “NTPC VIDYUT VYAPAR NIGAM LIMITED”, Payable at NEW DELHI, is required to be submitted in a separately sealed envelope at the address mentioned in the bidding document, before the stipulated date & time of submission of the bid. For any assistance, please email to nvvncontracts@ntpc.co.in or contact Manager (C&M) / AGM-C&M, NTPC VIDYUT VYAPAR NIGAM LIMITED, 2nd Floor, Core 5, Scope Complex, 7, Institutional Area, Lodi Road, New Delhi-110003.

It is required by agency to register and follow the guidelines/FAQ provided in the e-portal <https://eprocurementpc.nic.in> for participating in the tender, BID is to be submitted online on that portal. Any amendment(s)/corrigendum/clarifications with respect to this Bid shall be uploaded on <https://eprocurementpc.nic.in> only. Bidder should regularly follow up for any Amendment/Corrigendum/Clarification on the above website.

NOTE: No hard copy of Bidding Documents shall be issued

9.0 Issuance of bid documents to any Bidder shall not construe that such bidder is considered to be qualified. Bids shall be submitted online and opened at the address given below in the presence of Bidder's representatives who choose to attend the bid opening. **Bidder shall furnish Tender Fee, Bid Security Declaration, Local Content Declaration, Integrity Pact, No Deviation Certificate, Joint Undertaking (as applicable) and Power of Attorney**

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separately offline as detailed in Bidding Documents by the stipulated bid submission closing date and time at the address given below.

10.0 Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.

11.0 **Address for communication:**

AGM (C&M) / Manager (C&M)
NTPC VIDYUT VYAPAR NIGAM LIMITED
2nd Floor, Core 5, Scope Complex, 7,
Institutional Area, Lodi Road, New Delhi-110003
e-mail: nvvncontracts@ntpc.co.in
Corporate Identification Number: U40108DL2002GOI117584,
website: www.eprocurementpc.nic.n

12.0 **Registered Office**

NTPC VIDYUT VYAPAR NIGAM LIMITED,
NTPC Bhawan, Core-7, SCOPE Complex,
7, Institutional Area, Lodhi Road,
New Delhi – 110003

Corporate Identification Number: U40108DL2002GOI117584.
Website: www.nvvn.co.in

13.0 **Other Instructions**

- i. Please use 'Online Bidder Enrollment' link provided on portal <https://eprocurementpc.nic.in> (GePNIC) to register
- ii. Go through Help, FAQ etc. as provided on the above portal.
- iii. Class III digital signature (DSC) is required for submission of BID on above portal.
- iv. Important Note: It is strongly recommended that all authorized users of Supplier organizations should thoroughly peruse the information provided under the relevant links, and take appropriate action. This will prevent hiccups, and minimize teething problems during the use of GePNIC.

GePNIC Helpdesk Telephone: 24X7 Customer Support +91-120-4001 002/+91-120-4200 462/
+91-120-4001 005/+91-120-6277 787

14. Any 'Bidder from a country which shares a land border with India', as specified in the Bidding Documents, will be eligible to bid in this tender only if bidder is registered with the Competent Authority as mentioned in the Bidding Documents.

However, the said requirement of registration will not apply to bidders from those countries (even if sharing a land border with India) to which the Government of India has extended lines of credit or in which the Government of India is engaged in development projects.

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NTPC
Tenders

NTPC Limited eProcurement Portal

Tender Details

A Maharatna Company

Date : 22-Apr-2021 11:42 AM

Print

Basic Details

Organisation Chain	NTPC Vidyut Vyapar Nigam Limited		
Tender Reference Number	NVVN/CandM/RE-85/2020-21		
Tender ID	2021_NVVN_48782_1		
Tender Type	Open Tender	Form of contract	Works
Tender Category	Works	No. of Covers	3
General Technical Evaluation Allowed	Yes	ItemWise Technical Evaluation Allowed	No
Payment Mode	Offline	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No

Payment Instruments

Offline	S.No	Instrument Type
	1	DD
	2	BC

Cover Details, No. Of Covers - 3

Cover No	Cover	Document Type	Description
1	Fee	.pdf	SCAN COPY OF ALL HARD COPY SUBMITTED DOCUMENT- Please refer ITB clause 15.1, 12.1 and BDS clause 6.1
		.rar	Other
2	PreQual/Technical	.pdf	TECHNICAL BID FORM ALONG WITH ALL THE QUALIFYING DOCUMENT
		.rar	ANY ADDITIONAL DOCUMENT-1
		.rar	ANY ADDITIONAL DOCUMENT-2
		.rar	ANY ADDITIONAL DOCUMENT-3
		.rar	ANY ADDITIONAL DOCUMENT-4
3	Finance	.xls	PRICE BID
		.pdf	PRICE BID in PDF

Tender Fee Details, [Total Fee in ₹ * - 22,500]

EMD Fee Details

Tender Fee in ₹	22,500			EMD Amount in ₹	0.00	EMD through BG/ST or EMD Exemption Allowed	No
Fee Payable To	NTPC Vidyut Vyapar Nigam Limited	Fee Payable At	New Delhi	EMD Fee Type	fixed	EMD Percentage	NA
Tender Fee Exemption Allowed	No			EMD Payable To	Nil	EMD Payable At	Nil

Work /Item(s)					
Title	Enlistment and Discovering of L1 rates for EPC Contractors for Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and 10 years O and M of Grid Connected Rooftop Solar PV Projects across India				
Work Description	Enlistment and Discovering of L1 rates for EPC Contractors for Design, Engineering, Supply, Construction, Erection, Testing, Commissioning and 10 years O and M of Grid Connected Rooftop Solar PV Projects across India				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Tender Value in ₹	NA	Product Category	Miscellaneous Works	Sub category	NA
Contract Type	Rate Contract	Bid Validity(Days)	180	Period Of Work(Days)	365
Location	India	Pincode	110003	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	New Delhi
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates			
Publish Date	22-Apr-2021 11:00 AM	Bid Opening Date	18-May-2021 03:00 PM
Document Download / Sale Start Date	22-Apr-2021 11:00 AM	Document Download / Sale End Date	17-May-2021 03:00 PM
Clarification Start Date	22-Apr-2021 11:00 AM	Clarification End Date	02-May-2021 06:00 PM
Bid Submission Start Date	22-Apr-2021 11:00 AM	Bid Submission End Date	17-May-2021 03:00 PM

Tender Documents				
NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	NIT	66.83
Work Item Documents	S.No	Document Type	Document Name	Description
	1	Tender Documents	BidDocumentsRE-85.pdf	Tender Document
	2	Tender Documents	PriceScheduleRE-85.xls	Price Bid

View GTE Details			
S.No	Particulars	Expected Value	Mandatory
1.0	Do You accept Letter of Undertaking as per tender specific conditions	Yes	Yes
2.0	Do you accept NTPC Safety Rules	Yes	Yes
3.0	Do you accept the Fraud Prevention Policy as per bid documents	Yes	Yes
4.0	Do you accept Withholding and Banning of Business Dealing Policy as per bid documents	Yes	Yes
5.0	Do you certify full compliance on Qualifying Requirements	Yes	Yes

6.0	Do you certify full compliance to all provisions of Bid documents	Yes	Yes
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Tender Inviting Authority

Name	MANAGER-C AND M
Address	NTPC VIDYUT VYAPAR NIGAM LIMITED, 2nd Floor, Core 5, Scope Complex, 7, Institutional Area, Lodi Road, New Delhi-110003