

NTPC VIDYUT VYAPAR NIGAM LIMITED

(A wholly owned Subsidiary of NTPC Limited)



BIDDING DOCUMENTS

FOR

Installation of 3450 KW Grid connected Rooftop Solar Power Projects at Various Buildings of Three District of Andaman and Nicobar

BIDDING DOCUMENT NO.: NVVN/C&M/RE-244/2023-24

(This Document is meant for the exclusive purpose of bidding against this Bid Document No./ Specification and shall not be transferred, reproduced or otherwise used for purposes other than that for which it is specifically issued)

Installation of 3450 KW Grid connected Rooftop Solar Power Projects at Various Buildings of Three District of Andaman and Nicobar	BIDDING DOCUMENT NO. NVVN/ C&M /RE-244 /2023-24 SECTION - I (IFB)
---	--

ABRIDGED INVITATION

NTPC VIDYUT VYAPAR NIGAM LIMITED

(A wholly owned Subsidiary of NTPC Limited)

CONTRACTS & MATERIALS

INVITATION FOR BIDS (IFB) FOR

**Installation of 3450 KW Grid connected Rooftop Solar Power Projects at
Various Buildings of Three District of Andaman and Nicobar**

BID DOCUMENT NO: NVVN/C&M/RE-244/2023-24

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.

For the detailed IFB and Bidding Documents please visit at e-procurement portal <https://eprocurrentpc.nic.in> or may contact Sr. Manager (Contracts), NTPC VIDYUT VYAPAR NIGAM LIMITED, Engineering Office Complex, Plot No. A-8A Sector 24, Block A, Noida, Uttar Pradesh 201301, Email: nvvncontracts@ntpc.co.in; Tel No: 0120-4948575

Registered office: NTPC Bhawan, Scope Complex, 7, Institutional Area, Lodhi Road, New Delhi-110003, Corporate Identification Number: U40108DL2002GOI117584, Website: www.nvvn.co.in

Installation of 3450 KW Grid connected Rooftop Solar Power Projects at Various Buildings of Three District of Andaman and Nicobar	BIDDING DOCUMENT NO. NVVN/ C&M /RE-244 /2023-24 SECTION - I (IFB)
--	--

**BIDDING DOCUMENTS
FOR
Installation of 3450 KW Grid connected Rooftop Solar Power Projects at Various
Buildings of Three District of Andaman and Nicobar
BID DOCUMENT NO.: NVVN/C&M/RE-244/2023-24**

CONTENTS

Section I	:	Invitation for Bids (IFB)
Section II	:	Instructions to Bidders
Section III	:	Bid Data Sheets (BDS)
Section IV	:	General Conditions of Contract (GCC)
Section V	:	Special Conditions of Contract (SCC)
Section VI	:	Technical Specifications (TS)
Section VII	:	Forms and Procedures (FP)
		Section-VII (Part 1 of 2)
		1a. Envelope-I (Techno-Commercial) (Bid Form along with Attachments)
		1b. Envelope-II (Price) (Price attachments and Price Schedules)
		Section-VII (Part 2 of 2) Other Standard Forms & Procedures

Acronyms

BDS	Bid Data Sheet
CIF	Cost, Insurance and Freight
CIP	Carriage and Insurance paid to (place)
CPM	Critical Path Method
EDI	Electronic Data Interchange
EXW	Ex factory, ex works or ex warehouse
FCA	Free Carrier
FOB	Free on Board
FOR	Free on Rail / Road
FP	Bid Forms, Procedures & attachments
GCC	General Conditions of Contract
ICC	International Chamber of Commerce
IFB	Invitation for Bids
ITB	Instructions to Bidders
SCC	Special Conditions of Contract
TS	Technical Specifications and Drawings
UNCITRAL	United Nations Commission on International Trade Law
INCOTERMS	International Rules for interpreting Trade Terms.

Note : The terms EXW, CIF, etc. shall be governed by the rules prescribed in the current edition of INCOTERMS, published by the international chambers of commerce, 38, Cours Atbert 1er. 75008, Paris, France.

SECTION - I

INVITATION FOR BIDS (IFB)

INVITATION FOR BIDS

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

CONTRACT & MATERIALS

INVITATION FOR BIDS (IFB) **FOR**

***Installation of 3450 KW Grid connected Rooftop Solar Power Projects at
Various Buildings of Three District of Andaman and Nicobar
(Domestic Competitive Bidding)***

Bidding Document No.: NVVN/ C&M/RE-244/2023-24

- 1.0 NTPC VIDYUT VYAPAR NIGAM LTD (NVVN) invites on-line bids on behalf of A&N Administration at Government e-procurement portal of NIC (GePNIC) at website- <https://eprocurentpc.nic.in/> on Single Stage Two Envelope Basis (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid) from eligible Bidders for aforesaid package, as per the scope of work briefly mentioned hereinafter.
- 2.0 **BRIEF SCOPE OF WORK**
- I. Obtaining Net-metering approval from concerned DISCOM/designated agency for providing grid connectivity/net-metering. Submission of proposal with all required documents to NRSE Division, Electricity Department, A & N Administration.
- II. Execution of the work shall be carried out in an approved manner as per the technical specification of RFP. In case of any dispute, relevant MNRE/BIS/ISI/NABL/ISO/IEC/IS specification shall be followed, and work shall be carried out to the reasonable satisfaction of NVVN and ED, A&N, A.
- III. All the material required for the installation of the solar power plant as per the work order issued shall be kept at site in custody of the Bidder. The Electricity Department, A & N Administration and/or NVVN shall not be responsible for any loss or damage of any material during the installation.
- IV. The Bidder shall be responsible and take an insurance policy for transit cum-storage-erection for all the materials.
- V. The net-metering procurement & installation will be in the scope of the Bidder.
- VI. The Bidder shall take entire responsibility of electrical safety of the installations including connectivity with the grid and follow all the safety rules and regulations applicable as per Indian Electricity Act-2003 and prevailing CEA guidelines and amendments, it shall be responsibility of the Bidder to take NOC from concerned authority and engage person as per provisions of CEA Rules and Regulations. The Bidder shall ensure proper safety of all the workmen, material, plants and equipment belonging to him/her. In case any accident occurs during the construction / erection or during guarantee period for work undertaken by Bidder thereby causing any minor or major or fatal accident will be the responsibility of the Bidder. The successful Bidders shall follow and comply with the employer's safety rules relevant provisions of applicable laws pertaining to the safety of workmen, employees, plant and equipment. The Bidders shall also arrange all certificates and test reports of the module and inverter and other equipment.
- VII. Certificate of the beneficiary that the system is installed and commissioned in all respect with the date of commissioning, system and inverter capacity, etc. and that he has been provided the 05 (Five) Year Warranty Card and the O&M Manual.

Installation of 3450 KW Grid connected Rooftop Solar Power
Projects at Various Buildings of Three District of Andaman and
Nicobar

BIDDING DOCUMENT NO. NVVN/ C&M /RE-244 /2023-24
SECTION - I (IFB)

INVITATION FOR BIDS

- VIII. All materials, manpower, scaffolding materials, machinery, tools and tackles, transportation & loading/unloading, packaging and unpackaging, safe storage, watch and ward, etc. all inclusive, shall be arranged by the Bidder within the quoted price. Scope shall cover all type of transportation of materials inside the working site and manpower etc. required to execute and complete the work. Underground cabling work, if required to evacuate solar project to the consumer's panels shall also be in the scope of Bidder.
- IX. Any fee related to registration of project / NOC / net metering from any of the state departments shall be borne by the Bidder.
- X. It should be ensured by the Bidder that the roof does not get damaged during installation and O&M period. After installation of solar PV system, the roofs should remain waterproof as before. If any damage is caused to the roof by the Bidder, the same is to be rectified immediately by the Bidder within the quoted price and without any additional cost to NVVN and/or ED (A&NA).
- XI. **Electricity & Water during construction as well as Operation shall be in the scope of the bidder.**

Detailed Scope of Work shall be as per Section VI (Technical Specifications)

- 3.0 Detailed specification, scope of work and terms & conditions are given in the Bidding Documents, which are available at the GePNIC (e-tender) portal at <https://eprocurementpc.nic.in/>. The Bidding Schedule* for the Tender is as under:

Issuance of IFB	As per NIT in GEPNIC portal
Bidding Document Sale Date & Time	As per NIT in GEPNIC portal
Last Date for receipt of queries from bidders (if any) **	As per NIT in GEPNIC portal
Bid Submission Start	As per NIT in GEPNIC portal
Bid Submission End Date & Time*	As per NIT in GEPNIC portal
Bid Opening Date & Time for Techno-Commercial Bid*	As per NIT in GEPNIC portal
Price Bid Opening Date & Time	Shall be intimated separately by NVVN.
Cost of Bidding Document	Rs. 22,500/- (Indian Rupees Twenty-Two Five Hundred only)
Bid Security	Rs 95,79,000/- (Indian Rupees Ninety-Five Lakhs Seventy Nine Thousand Only)

****Bidders are advised to visit the GePNIC (e-tender) portal of NTPC for updated bidding schedule of the Tender.***

*****It is to be noted that "No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries/ Pre-Bid Conference (if applicable) as specified at GePNIC portal of NTPC".***

- 4.0 All bids must be accompanied by Bid Security for an amount of **Rs 95,79,000/- (Indian Rupees Ninety-Five Lakhs Seventy-Nine Thousand Only)** in the form as stipulated in the Bidding Documents.

INVITATION FOR BIDS

ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND SHALL NOT BE OPENED.

5.0 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 1.1 and Clause 1.2.

1.1 TECHNICAL CRITERIA

- 1.1.1 The Bidder should have designed/ engineered, supplied, erected/ supervised erection and commissioned/ supervised commissioning of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 400 kWp or higher, out of which at least one Solar Photo Voltaic plant should have been of 40 kWp or higher capacity.

The reference plant of 40 kWp or higher capacity must have been in successful operation for at least six (6) months prior to the last date of submission of application for enlistment.

OR

- 1.1.2 The Bidder should be a developer of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 400 kWp or higher, out of which at least one Solar Photo Voltaic plant should have been of 40 kWp or higher capacity. The reference plant of 40 kWp or higher capacity must have been in successful operation for at least six (6) months prior to the last date of submission of application for enlistment.

OR

- 1.1.3 (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.

AND

- 1.1.3 (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 1.1.3 (a) & 1.1.3 (b) can be in same or different projects.

OR

- 1.1.4 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 1.1.1 or 1.1.2 or 1.1.3 above.

INVITATION FOR BIDS

In such a case, Bidder shall furnish an Undertaking jointly executed by the firm qualified as per clause 1.1.1 or 1.1.2 or 1.1.3 and the Bidder along with its Enlistment Application for complete performance of the contract (in case of award) jointly or severally, as per the format enclosed in the Enlistment document failing which the Bidder's Enlistment application is liable to be rejected.

Notes for clause 1.1:

- a) The reference SPV based grid connected power plant of 40 kWp or higher capacity should be at a single location developed by Bidder for itself or any other client.
- b) Bidder shall submit certificate of successful completion and operation from the Owner.
- c) 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.
- d) 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.
- e) In case of developer as Bidder in clause 1.1.2 or 1.1.3 the documentary evidence (certified by Chartered Accountant) for value of executed reference work must be submitted by the Bidder.
- f) Developer means an entity who has either executed or got executed the work/ project as owner.
- g) The execution of industrial project as EPC Contractor under Clause No. 1.1.3 means, such EPC Contractor is responsible for all the activities i.e. Design/ Engineering, Procurement, Construction and Commissioning of a project/work
- h) A single utility meter shall be considered as one installation.
- i) Capacity below 10kWp at single installation shall not be considered in cumulative capacity.

1.2 FINANCIAL CRITERIA

- 1.2.1 The average annual turnover of the Bidder, should not be less than **INR 287.34 million (Indian Rupees Two Hundred Eighty Seven Million and Three Hundred Forty Thousand only)** or in equivalent foreign currency during the preceding three (3) financial years prior to the last date of bid submission.
- 1.2.2 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

INVITATION FOR BIDS

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:

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.

1.2.3 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 1.2:

- i. 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,
- ii. Other income shall not be considered for arriving at annual turnover.
- iii. "Holding Company" and "Subsidiary" shall have the meaning ascribed to them as per Companies Act of India.
- iv. For Turnover indicated in foreign currency, the exchange rate as on seven (7) days prior to Techno Commercial Bid Opening date shall be used.

INVITATION FOR BIDS

- 6.0 A complete set of Bidding Documents may be downloaded by any interested Bidder from the e-Tender Portal as per specified schedule. The tender is invited under e-tendering process. The bidders can enroll themselves on the website <https://eprocurentpc.nic.in/>. The use of Digital Signature Certificate (DSC) Class-3 key is mandatory for e-tendering activities. Accordingly, bidders should have Digital Signature Certificate (DSC) key of Class 3 to participate in e-tendering. Bidders, if required, can obtain DSC Class-3 key from agencies authorized by Govt. of India. The e-Tender Portal also has the user manuals with detailed guidelines on enrolment and participation in the bidding process.

No hard copy of Bidding Documents shall be issued. Bids shall be submitted ONLY at the e-Tender Portal i.e. <https://eprocurentpc.nic.in/>.

- 7.0 Class-I local suppliers' and 'Class-II local suppliers' only are eligible to participate in this tender, as defined in the bidding documents/ Public Procurement (Preference to Make in India), Order. The bidders may apprise themselves of the relevant provisions of bidding documents in this regard before submission of their bids.

- 8.0 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.

Further, any bidder (including bidder from India) having specified Transfer of Technology (ToT) arrangement with an entity from a country which shares a land border with India, will be eligible to bid only if the bidder is registered with the same competent authority.

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.

- 9.0 Transfer of Bidding Documents by one intending Bidder to another is not permissible.
- 10.0 Downloading/Issuance of Bidding Documents and /or submission of Bid shall not construe that bidder is considered qualified.
- 11.0 NVVN reserves the right to reject any or all bids or cancel/withdraw the Invitation for Bids (IFB) without assigning any reason whatsoever and in such case no bidder/intending bidder shall have any claim arising out of such action.
- 12.0 Successful Bidder (s) is/are required to provide the PMC charges to NVVN @5% of total awarded value. Bidder(s) are required to build the same in their quoted price. GST shall be paid extra on PMC charges.
- a) Out of the total PMC charges, charges equivalent to 5% of quoted O&M Price or minimum O&M as per clause 5.3 of BDS, whichever is higher shall be submitted by the successful bidder(s) along with GST as success charge within 30 days of issuance of LOA or signing of contract agreement, whichever is earlier.
- b) Successful bidder(s) will be required to pay balance PMC charges to NVVN equivalent to 5 % of the each RA bill amount along with GST, till the total PMC charges are received by NVVN.
- c) PMC charges once received will not be refunded in any case.
- d) NVVN will verify and forward RA bill to employer only after receiving the PMC charges from the successful bidder (s)
- 13.0 **Address for communication:**

INVITATION FOR BIDS

Sr. Manager (C&M)
NTPC VIDYUT VYAPAR NIGAM LIMITED
Engineering Office Complex, Plot No. A-8A Sector 24, Block A,
Noida, Uttar Pradesh 201301
Email: kushankkumar@ntpc.co.in
Corporate Identification Number: U40108DL2002GOI117584,
website: www.eprocurementpc.nic.n
Phone No: 0120-4947239

14.0 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

15.0 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