

NTPC LIMITED
(A Government of India Enterprise)
Renewable Energy – Contracts Services.

**NOTICE INVING APPLICATIONS (NIA)
FOR
ENLISTMENT OF BIDDERS FOR BALANCE OF SYSTEM (BOS) PACKAGE OF
SOLAR PV PROJECT OF NTPC LTD**

NIA No.: NTPC/EOC/9900211460

Dated: 05.11.2020

Bidding Document No: RE-CS-0000-004(BOS-3)-9

1.0 NTPC Ltd. invites online applications from eligible bidders on Single Stage single Envelope for Enlistment of Vendors for Balance of System (BOS) Package of Solar PV Project of NTPC.

2.0 BRIEF SCOPE OF WORK

The scope includes the following:

1. Design, engineering, manufacturing, supply, packing and forwarding, transportation, unloading storage, installation, testing and commissioning of Solar Photo Voltaic *excluding supply of Solar PV modules.*
2. *Transportation including freight insurance of PV Modules (Free issue by NTPC) from India Port of Delivery/Dry port (for International PV Modules) including Port Clearance OR from Module manufacturing Works (for Domestic PV Modules) to site.*
3. Unloading at site, storage, installation, testing and commissioning of Solar PV Modules.
4. Site-grading, clearing of vegetation, Topography survey, Geotechnical Investigation.
5. Design and Construction of foundation & erection of Module Mounting Structure (MMS) for SPV panels, including fixing of PV Modules with MMS and PV Modules interconnection.
6. Providing power supply and water supply for construction purposes.
7. Construction of Pre-Engineered type Inverter room (if applicable) with Power conditioning unit associated LT and HT switchgear. In case of String Inverter, Construction of Pre-Engineered type HT Switchgear room.
8. Construction of Central Monitoring and Control Station with switchgear room, SCADA room, Storeroom, Battery room with all electrical fitting and furniture, boundary fencing of SPV plant, security cabin etc.
9. Construction of 33kV pooling switchgear, 33kV O/H line, if required, and all associated electrical and civil works required for interfacing with grid (i.e. transformers, breakers, isolators, panels, protection system, cables. metering at 33 kV level, earthing of transformer etc.) and evacuation of power to Pooling station through 33kV Cable/Over-head as per requirement.

10. Module cleaning system (wet or dry method) including supply and installation of all accessories.
11. Construction of internal roads, pathways, peripheral boundary wall etc.
12. SCADA system for remote monitoring and control of Inverters with all hardware & software.
13. Operation & maintenance of SPV Plant along with electrical equipment, consumables and spare parts for a period of Three years from the date of successful completion of trial run.
14. Supply of Mandatory spares.

3.0 Detailed Terms & Conditions are given in the enlistment documents, which are available for examination and sale at our eProcurement Portal (<https://eprocurmentpc.nic.in>) and as per the following schedule:

EVENT	DATE
Notice Inviting Application No.	NTPC/EOC/9900211460
Date of Corrigendum No. 1	05.11.2020
Last date for receipt of completed Application for Enlistment	19.11.2020 at 17:00 Hrs (IST)
Date and Time for Opening of Applications	20.11.2020 at 10:30 Hrs (IST)

Corrigendum, if any, shall be done at our eProcurement Portal (<https://eprocurmentpc.nic.in>) only.

4.0 ELIGIBILITY CRITERIA FOR BIDDERS

The Eligibility Criteria/ Qualifying Requirements for Enlistment of Bidders for Balance of System (BOS) Package of Solar PV project of NTPC Ltd is as under:

PACKAGE DESCRIPTION: 'BALANCE OF SYSTEM (BOS)' FOR SOLAR PV PROJECT

In addition to the requirements stipulated under section Instructions to Applicant, the Applicant should also meet the qualifying requirements stipulated hereunder in Clause 1.0 and Clause 2.0:

1.0 TECHNICAL CRITERIA

- 1.1 The Applicant should have designed, supplied, erected/ supervised erection and commissioned/ supervised commissioning of Balance of Systems of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 40 MWp or above, out of which at least one plant should have been of 10 MWp capacity or above.

The reference plant of 10 MWp or above capacity must have been in successful operation for at least six (6) months prior to the date of submission of Application for Enlistment.

OR

- 1.2 The Applicant should be a developer of Solar Photo Voltaic (SPV) based grid connected power plant(s) of cumulative installed capacity of 40 MWp or above, out of which at least one plant should have been of 10 MWp capacity or above. The reference plant of 10 MWp or above capacity must have been in successful operation for at least six (6) months prior to the date of submission of Application for Enlistment.

OR

- 1.3 (a) The Applicant 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 Rs **67** Crore (Indian Rupees **Sixty Seven** Crore 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 the date of submission of Application for Enlistment.

(b) The Applicant should have executed at least one (1) Electrical Sub-station of 33 kV or above voltage level, consisting of equipment such as 33kV 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 the date of submission of Application for Enlistment.

The works referred at clause 1.3 (a) & 1.3 (b) can be in same or different projects

OR

- 1.4 The Applicant should be an Indian company registered in India and should be Group company/Holding Company or Subsidiary company of a firm meeting the requirement(s) of Clause 1.1 or 1.2 or 1.3 above. A confirmation/undertaking (as per format enclosed in the enlistment documents) regarding submission of the requisite Letter of Undertaking along with Board resolution with the Enlistment Application for complete performance of the contract jointly or severally, shall be furnished by the Applicant at the time of submission of Application for enlistment.

Notes for Clause 1.0:

- a. The reference SPV based grid connected power plant of 10MWp or above capacity should be at a single location developed by Applicant for itself or any other client.
- b. The Balance of Systems, under Clause 1.1, refers to works related to minimum three of the following four areas in a Solar PV plant:
 1. **Erection of PV modules**
 2. Civil works including Module Mounting Structures/**Floater**s
 3. Invertors(Power Conditioning Units) **and/or Invertor Transformers**
 4. Cables and Cabling works
- c. SPV based Roof-top/**Floating** solar power projects, which are grid connected, shall also be considered eligible for QR purposes.
- d. For **clause 1.1 & 1.3**, Applicant shall submit certificate of successful completion and operation from the Owner. However, if Applicant in clause 1.3 is a developer, certificate of successful commissioning of the project issued from Government Renewable Nodal Agency/Government Enterprise/ Discom/ Electricity Board etc. and evidence of

successful operation from intermediary procurer/ procurer/Discom/ Electricity Board shall be submitted.

- e. For Clause 1.3, Applicant shall submit a documentary evidence for the value of the project certified by a Chartered Accountant.

- f. **Direct/Indirect Order**

The Applicant shall also be considered qualified, in case the award for executing the reference work has been received by the Applicant either directly from the owner of the plant or any other intermediary organization. **In such a case**, a certificate from such owner of plant or any other intermediary organization shall be required to be furnished by the Applicant along with its Application for Enlistment in support of Applicant's claim of meeting the qualification requirement as per clause 1.1 and 1.3 above. Applicant shall also submit a certificate of successful completion and operation from the Owner.

- g. Developer means an entity who has either executed or got executed the work/ project as owner of industrial projects.
- h. For Clause 1.2, Applicant shall submit certificate of successful commissioning of the project issued from Government Renewable Nodal Agency/ Government Enterprise/ Discom/ Electricity Board etc.
- i. For Clause 1.2, Applicant shall submit evidence of successful operation from intermediary procurer/ procurer/Discom/ Electricity Board etc.
- j. The portion of work related to power transformer such as supply and or installation mentioned at cl. no. 1.3 (b) can either be done by EPC contractor by themselves or by the owner.
- k. The execution of industrial project as EPC Contractor under Clause No. 1.3 means, such EPC Contractor is responsible for all the activities i.e. Design/Engineering, Procurement, Construction (with/without civil works) and Commissioning of a project/work
- l. The block capacity shall be finalised based on project specific capacity. The financial figure mentioned in Clause 1.3(a) is for single block. For multiple blocks, the financial figure shall be corresponding to number of blocks.

2.0 FINACIAL CRITERIA

- 2.1 The average annual turnover of the Applicant, should not be less than Rs **67** Crore (Indian Rupees **Sixty Seven** Crore Only) during the preceding three (3) completed financial years as on date of submission of Application for Enlistment.

In case a Applicant does not satisfy the 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 Applicant would be required to furnish along with its Application for Enlistment, a Letter of Undertaking from the Holding Company, supported by the Holding Company's Board Resolution, as per the format enclosed in the Enlistment documents, pledging unconditional and irrevocable financial support for the execution of the Contract by the Applicant in case of award.

- 2.2 Net Worth of the Applicant as on the last day of the preceding financial year should not be less than 100% (hundred percent) of Applicant's paid-up share capital. In case the Applicant 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, the Net worth of the Applicant 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:

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.

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

a) Copies of the unaudited unconsolidated financial statements of the Applicant 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 enlistment 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 date of submission of Application for Enlistment are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case the Applicant 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 enlistment documents stating that the Financial results of the company are under audit as on submission of Application for Enlistment and the Certificate from a practicing Chartered Accountant certifying the financial parameters is not available.

Notes for Clause 2.0:

- i. Net worth means the sum total of the paid up share capital and free reserves. Free reserves means 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 the last date of submission of Application for Enlistment shall be used.
- v. The block capacity shall be finalised based on project specific capacity. The average annual turnover figure mentioned in Clause 2.1 is for single block. For multiple blocks, the annual turnover figure shall be corresponding to number of blocks
- vi. Financial Criteria stipulated at para 2.0 shall be evaluated again for all the Enlisted agencies in the month of May/June of every subsequent year after the completion of initial Enlistment process. This shall be done every year till the time of Enlistment of Agencies will be valid.

For this purpose, Enlisted Agency (ies) shall be required to submit the audited financial statements/credentials, as per the Qualifying Requirements stipulated above, for themselves and/or for their Collaborator(s) in the month of May of every year after

Enlistment. The financial credentials submitted Enlisted agencies shall be evaluated by Employer and the list shall be modified/updated accordingly. In case, any agency fails to meet the stipulated financial criteria in any of the subsequent years, as elaborated above, the agency shall be removed from the list of successful agencies for that year.

General Note:

- a. Wherever the term 'last date of submission of application for Enlistment' is appearing, the same shall mean the last date for submission of the Applications notified by Employer. For the periodic revision/ updation of the list of enlisted agency (ies), Enlistment process shall be opened from time to time and the 'last date of submission of application for Enlistment' shall mean the last date for submission of the Applications notified by the employer for revision/ updation of list of Enlisted agencies.

- 5.0** NTPC reserves the right to reject any or all bids or cancel/withdraw the Invitation for Application without assigning any reason whatsoever and in such case no bidder / intending bidder shall have any claim arising out of such action.
- 5.0** A complete set of Application Documents may be downloaded by any interested applicant directly from e-procurement Portal (<https://eprocurmentpc.nic.in>).

Note: No hard copy of Application Documents shall be issued.

- 7.0** Issuance of Enlistment Application Documents to any applicant shall not construe that such Applicant is considered qualified. Application shall be submitted online. Applicant shall furnish Integrity Pact and Power of Attorney separately offline as detailed in Enlistment Documents before the stipulated bid submission closing date and time at the address given below.
- 8.0** Transfer of Enlistment Documents downloaded by one intending applicant to another is not permissible.
- 9.0** **Address for communication:**

For the detailed IFB and bidding documents please visit at <https://www.eprocurementpc.nic.in>, www.ntpctender.com or www.ntpc.co.in or may contact Sr. Manager (RE-CS)/DGM (RE-CS)
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