

NTPC LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)
RENEWABLE ENERGY – CONTRACTS SERVICES, NOIDA.

NOTICE INVING APPLICATIONS (NIA)
FOR
ENLISTMENT OF EPC VENDORS FOR FLOATING / GROUND MOUNTED SOLAR PV
PROJECTS

NIA No: No: RE-CS-0000-004 (F/GM-II) -9

Date: 01.09.2020

Enlistment Document No: RE-CS-0000-004(F/GM-II) -9

1.0 **NTPC Ltd.** invites applications from eligible vendors / bidders on Single Stage Single Envelope for Enlistment of EPC Vendors/ Bidders for Development of Solar Power Projects of NTPC.

2.0 BRIEF SCOPE OF WORK

Brief Scope of Work to be executed by enlisted bidder are as under:

PROJECT CONFIGURATION: Block Capacity (50 MW and above)

Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, Installation and Commissioning of grid connected floating and/or ground mounted Solar PV projects (to be awarded to multiple/single bidders) on turnkey basis .

A. The scope for Ground Mounted and Floater Solar includes the following:

1. Design, engineering, manufacturing, supply, packing and forwarding, transportation, unloading storage, installation, testing and commissioning of Solar Photo Voltaic Plant based on open category PV modules and cells.
2. Topographical survey & Geo-Technical investigation of the land and bathymetry survey of water body (if applicable).
3. Site-grading, clearing of vegetation
4. Design and construction of foundation & mounting structure for SPV panels (if applicable).
5. Supply of floaters, Installation, anchoring, fixing of floaters for SPV panels, pathways for the floating system (if applicable).
6. Providing power supply and water supply for construction purposes.
7. Construction of Pre-Engineered type Inverter room 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, Store room, Battery room with all electrical fitting and furniture, security cabin etc.

9. All associated electrical and civil works required for interfacing with grid (i.e. transformers, breakers, isolators, panels, protection system, cables, metering as per SLD, earthing of transformer etc.) and evacuation of power to HV/EHV Pooling station.
10. Module cleaning system (wet or dry method) including supply and installation of all accessories.
11. Construction of approach roach, internal road, pathways, peripheral boundary wall etc. as per specification.
12. SCADA system for remote monitoring and control of Inverters with all hardware & software.
13. Supply of Mandatory spares.

B. Bidder shall provide comprehensive operation & maintenance of the plant & transmission system for a period of Three years from the date of successful completion of trial run.

- 3.0 Detailed Terms & Conditions are given in the enlistment documents, which are available for examination and sale at our e Procurement portal (<https://eprocurementpc.nic.in> and as per the following schedule:

GePNIC Tender Reference No:	NTPC/EOC/9900207916
NIA No.	RE-CS-0000-004(F/GM-II) -9
Issuance of NIA	01.09.2020
Documents Sale/Issuance Commencement Date	01.09.2020
Date and time for receipt of Applications	16.09.2020 up to 17:00 Hrs
Date and time for opening of Applications	17.09.2020 at 14:30 Hrs

4.0 ELIGIBILITY CRITERIA

The Eligibility Criteria for Enlistment of EPC Bidders for Development Solar PV Project is as under:

4.1.0 TECHNICAL CRITERIA

- 4.1.1 The Applicant 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 40 MWp or higher, out of which at least one plant should have been of 10 MWp or higher capacity. The reference plant of 10 MWp 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

- 4.1.2 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 higher, out of which at least one plant should have been of 10 MWp or higher capacity. The reference plant of 10 MWp 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

- 4.1.3 (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 INR 2000 Million (Indian Rupees Two Thousand 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 the last date of submission of application for enlistment.

AND

(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 last 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

4.1.4 The Applicant should be an Indian company registered in India and should be Groupcompany/Holding Company/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 bid 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. SPV based Roof-top/Floating solar power projects, which are grid connected, shall also be considered eligible for QR purposes.
- c. 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 etc shall be submitted.
- d. For Clause 1.3, Applicant shall submit a documentary evidence for the value of the project certified by a Chartered Accountant.
- e. 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.

- f. 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.

- g. For Clause 1.2, Applicant shall submit evidence of successful operation from intermediary procurer/ procurer/Discom/ Electricity Board etc.
- h. Developer means an entity who has either executed or got executed the work/ project as owner of industrial projects.
- i. 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.
- 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. EPC projects with solar PV module supplied by developer/ owner as free issue item to EPC contractor shall also be considered eligible for Route 1.1 of QR.
- l. The block capacity shall be finalized based on project specific capacity. The financial figure mentioned in Clause 1.3(a) is for a single block. For multiple blocks, the financial figure shall be corresponding to number of blocks.

4.2.0 FINANCIAL CRITERIA

- 4.2.1 The average annual turnover of the Applicant, should not be less than INR 2000 Million (Indian Rupees Two Thousand Million only or in equivalent foreign currency, during the preceding three (3) financial years to the last 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.

- 4.2.2 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.

- 4.2.3 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 last 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 last date of 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

- a. 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.
- 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 the last date of submission of Application for Enlistment shall be used.
- e. The block capacity shall be finalized based on project specific capacity. The average annual turnover figure mention in Clause 2.1 is for a single block. For multiple blocks, the annual turnover figure shall be corresponding to number of blocks.
- f. 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 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 by 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 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.
- 6.0 EPC Bidders who are already Enlisted vide NTPC letters no 01/CS-0000-004-9-ENL dated 11.09.2018 & 01/CS-0000-004(F/GM)-9-ENL dated 19.04.2019 and interested / wish to be enlisted for this are also required to submit the fresh Application for Enlistment in terms of Clause 5.14 **INSTRUCTIONS TO THE APPLICANTS OF ENLISTMENT DOCUMENT.**
- 7.0 A complete set of Application Documents may downloaded by any interested applicant directly from eProcurement portal (<https://eprocurmentpc.nic.in>)
- 8.0 Transfer of Enlistment Documents purchased by one intending applicant to another is not permissible
- Note: No hard copy of Application Documents shall be issued.**
- 9.0 Issuance of Enlistment Application Documents to any applicant shall not construe that such Applicant is considered qualified.
- 10.0 The application shall be submitted through e-tender mode. Applicants to ensure that all uploaded documents are duly signed by the Applicant as per the format provided and must be digitally certified. Further, Applicants are required to sign and stamp each page of this Enlistment Application Document and submit the same along with their Application as a confirmation of acceptance of terms & conditions of this Application Document.

11.0 Address for communication:

AGM (RE-CS)/DGM (RE-CS)
NTPC Limited, RE-Contracts Services
Room No. 220, R&D Building,
Engg. Office Complex. Annexe,
Plot A-8A, Sector 24, Noida-201301,
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