

INVITATION FOR BIDS

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

**INVITATION FOR BIDS (IFB)
FOR
DEVELOPMENT OF ISTS CONNECTED WIND-SOLAR HYBRID POWER PROJECT(S) UP TO 600
MW ANYWHERE IN INDIA
(Domestic Competitive Bidding)**

IFB No.: RE-CS-5915-004H-9

Date: 27.04.2021

ETS Portal Tender Search Code: NTPC-2021-TN000011

Bidding Document No: RE-CS-5915-004H-9

- 1.0** **NTPC Limited** invites online bids from eligible bidders on Single Stage Two Envelope (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid) for Development of ISTS connected Wind-Solar Hybrid Power Project(s) up to 600 MW Anywhere in India.

The Hybrid Power Project is intended to be developed by NTPC Limited through its wholly owned Subsidiary **NTPC Renewable Energy Limited**.

2.0 BRIEF SCOPE OF WORK

Project Configuration

Offered Project(s) shall be Hybrid of two RE resources (Wind and Solar PV) where the rated power capacity of one resource (wind or solar) shall be at least 33% of the total offered Hybrid project capacity. The Offered project(s) can be connected to single injection point or separate injection points on ISTS network.

Minimum Project Capacity (Hybrid of Wind & Solar PV) at Single location	50 MW
Maximum Project Capacity (Hybrid of Wind & PV Solar PV)	600 MW
1. Individual Project capacity at Single location (Connected to same pooling substation) shall not be less than 50 MW.	
2. In case Solar and Wind projects are connected at different pooling substation, Individual project capacity of Solar and Wind shall not be less than 50 MW.	
3. Offered Hybrid Project Capacity shall be in multiples 10 MW.	

A. The brief scope of work for Wind Power Project consists of:

- Detailed design, engineering, micro-siting, manufacture, supply, erection, testing, commissioning and proving the guaranteed performance parameters for wind energy project that shall include Wind Turbine Generators (WTGs), control panels, reactive power compensating devices, Central monitoring and control system (CMCS), Wind monitoring mast(s) etc.*
- Comprehensive operation & maintenance of the offered wind farm, Substation Bays (Including ISTS bay) and lines as detailed in tech specs including supply of all spare parts, consumables, repairs / replacement of any defective equipment. O&M Scope includes payment of Active/reactive power and other charges levied by the respective state govt. etc.*
- Operation & maintenance of complete Wind Energy Plant including Switchyard and power evacuation system till interconnecting ISTS substation (including ISTS bay)*

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- along with consumables and spare parts for a period of Three (03) years from the date of successful completion of trial run. O&M Scope includes payment of Active/reactive power and other charges levied by the respective state govt. etc.*
4. *Acquisition of the required land for the offered wind farm project as per prevailing govt. rules and arrange transfer of title/ lease of the land in favour of employer.*
 5. *All EPC works required for Development of Solar PV Project along with power evacuation system and telemetry up to interconnecting STU substation as per detailed technical Specifications and applicable Technical standards.*
 6. *All agreements, statutory approvals and clearances such as power evacuation/grid connectivity, environment, central / state nodal renewable energy agency, electrical, forest, etc. as required / applicable.*
 7. *Performance testing for demonstration of Guaranteed Generation at interconnection point.*
 8. *Supply of Mandatory Spares.*

B. The brief scope of work for Solar PV Power Project consists of:

1. *Detailed design, engineering, manufacture, supply, erection, testing, commissioning and proving the guaranteed performance parameters for Solar PV project shall include Open Category PV cell and Modules, control panels, Inverters, Central monitoring and control system (CMCS), Weather monitoring Station etc.*
2. *Operation & maintenance of complete Solar PV plant including Switchyard and power evacuation system till interconnecting ISTS substation (including ISTS bay) along with consumables and spare parts for a period of Three (03) years from the date of successful completion of trial run. O&M Scope includes payment of Active/reactive power and other charges levied by the respective state govt. etc.*
3. *Acquisition of the required land for the offered Solar project as per prevailing govt. rules and arrange transfer of title/ lease of the land in favour of employer.*
4. *All EPC works required for Development of Solar PV Project along with power evacuation system and telemetry up to interconnecting ISTS substation as per detailed technical Specifications and applicable Technical standards.*
5. *All agreements, statutory approvals and clearances such as power evacuation/ grid connectivity, environment, central / state nodal renewable energy agency, electrical, forest, etc. as required / applicable.*
6. *Performance testing for demonstration of Guaranteed Generation at interconnection point.*
7. *Supply of Mandatory Spares*

3.0 NTPC intends to finance the subject package through Own Resources.

4.0 Detailed specification, Scope of work and Terms & Conditions are given in the bidding documents, which are available for examination and downloading at e-tender portal (as specified in this notice) and as per the following schedule:

ETS Portal Tender Search Code (TSC)	NTPC-2021-TN000011	
IFB Date	27.04.2021	
Period of Downloading of Bidding Documents	From 05.05.2021 to 17.05.2021	
Pre Bid Conference and Last Date for receipt of queries from prospective Bidders	21.05.2021	
Last Date and Time for receipt of bids comprising both Techno-Commercial Bid and Price Bid	31.05.2021	15:00:00 (IST)

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Date & Time of opening of Techno-Commercial Bid	31.05.2021	15:30:00 (IST)
Cost of Bidding Documents in INR	INR 22,500/- (Indian Rupees Twenty Two Thousand Five hundred only)	

No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries/ Pre-Bid Conference 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 satisfactory fulfilment of the requirements stipulated under ITB (Instructions to Bidders) the following shall also apply:

1.0 TECHNICAL CRITERIA

1.1. The Bidder should have designed/ got designed, supplied, erected/ supervised erection and commissioned/ supervised commissioning of grid connected Solar Photo Voltaic (SPV)/ Wind/ Wind Solar Hybrid power plant (s) of cumulative installed capacity of 40 MW(AC) or higher, out of which at least one plant should have been of 10 MW(AC) or higher capacity. The reference plant of 10 MW(AC) or higher capacity must have been in successful operation for at least six (6) months prior to the date of techno-commercial bid opening.

OR

1.2. The Bidder should be a developer of grid connected Solar Photo Voltaic (SPV)/ Wind/ Wind Solar Hybrid power plant(s) of cumulative installed capacity of 40 MW(AC) or higher, out of which at least one plant should have been of 10 MW(AC) or higher capacity. The reference plant of 10 MW(AC) or higher capacity must have been in successful operation for at least six (6) months prior to the date of techno commercial bid opening.

OR

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 Rs. 242 Crore (Indian Rupees Two hundred Forty Two 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 techno-commercial bid opening.

AND

(b) The Bidder should have executed at least one (1) Electrical Sub-station of 33 kV or above voltage level, consisting of equipment such as 33 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 the date of techno-commercial bid opening.

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

OR

1.4. The bidder should be an Indian company registered in India and should be Subsidiary company/ Holding Company/ Subsidiary of its holding company of a firm meeting the

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requirement (s) of Clause 1.1 or 1.2 or 1.3 above. In such a case, Bidder shall furnish an Undertaking jointly executed by the firm qualified as per clause 1.1 or 1.2 or 1.3 and the Bidder along with its bid for complete performance of the contract jointly or severally as per format enclosed in the bid document failing which the Bidder's bid is liable to be rejected.

Notes for Clause 1.0:

- a. The reference plant **of 10 MW(AC) or above capacity should be either of Solar PV or Wind or Wind Solar Hybrid Power Plant at a single location (Connected to same polling substation)** developed by Bidder for itself or any other client.
- b. **Cumulative Installed capacity of 40 MW can be any single type of plant from Solar PV/ Wind/Wind Solar hybrid or any combination of these plants.**

SPV based Roof-top/Floating solar power projects, which are grid connected, shall also be considered eligible for QR purposes **as Solar PV.**
- c. For clause 1.1 & 1.3, bidder shall submit certificate of successful completion and operation from the Owner. However, if bidder 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, bidder shall submit a documentary evidence for the value of the project certified by a Chartered Accountant.
- e. Direct/Indirect Order

The bidder shall also be considered qualified, in case the award for executing the reference work has been received by the bidder 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 bidder along with its techno-commercial bid in support of bidder's claim of meeting the qualification requirement as per clause 1.1 and 1.3 above. Bidder shall also submit a certificate of successful completion and operation from the Owner.
- f. For Clause 1.2, bidder 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, bidder 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.

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2.0 FINANCIAL CRITERIA

- i. For the offered project capacity of 300 MW or below, the average annual turnover of the Bidder should not be less than **Rs. 242 Crore (Indian Rupees Two hundred Forty Two crore Only)** during the preceding three (3) financial years as on date of techno commercial bid opening.
- ii. For the offered project capacity of more than 300 MW, the average annual turnover of the Bidder should not be less than **Rs. 484 Crore (Indian Rupees Four hundred Eighty Four crore Only)** during the preceding three (3) financial years as on date of techno commercial bid opening

In case a Bidder 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 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.

- iii. Bidder should have **Positive Net Worth** as on the last day of the preceding financial year.
- iv. 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 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 techno-commercial bid opening 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.

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- c. "Holding Company" and "Subsidiary" shall have the meaning ascribed to them as per Companies Act of India.
- d. For the value of industrial project in clause 1.3(a) and/or the annual turnover indicated in foreign currency, the exchange rates as on seven (7) days prior to the date of Techno-commercial bid opening shall be used.

7.0 NTPC 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 Interested parties are required to get registered with M/s ISN Electronic Tender Services (ETS) website <https://www.bharat-electronictender.com> (if not already registered).

The cost of the bidding documents as mentioned above is required to be submitted in the form of a crossed account Payee Demand Draft in favour of "NTPC Limited", Payable at New Delhi at the address mentioned at para no.11.0 below along with GSTIN and Organization ID registered with ETS. Interested Bidders can also pay for the cost of documents as mentioned above in the form of Electronic transfer/ NEFT Payments in the following account details of NTPC:

Account Number	52142904702
IFSC Code	SBIN0020511
Name of Bank	State Bank of India
Branch Code	20511
Address	Scope Complex Lodhi Road Branch Ground Floor, Core-6 Scope Complex Delhi-110003

In case of electronic fund transfer, the bidder shall be required to forward the copy of transfer receipt/ electronic transfer receipt from their registered E-mail ID to the concerned nodal officers of NTPC as mentioned below requesting for access for download of the bidding documents in working hours between Monday to Friday.

While carrying out online transfer, Bidders shall ensure to enter "EMD - Tender No- Bidder Name" in the Text / Remarks / Reason field. Bidder shall intimate the details of same through email to Employer and also upload the details on ETS portal (Technical Bid Part) in the following format:

Declaration for Payment of Cost of Bidding Document

Tender Search Code:
Bidder Name:
UTR Reference:
Amount:
Date of Transfer:
Transferor Bank:

(Signature of Bidder with Seal)

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- 8.1** After registration with ETS and payment of the cost of bidding documents as above, a complete set of Bidding Documents may be downloaded by any interested Bidder from ETS Portal <https://www.bharat-electronictender.com> with Tender Search Code **NTPC-2021-TN000011**.

*Interested bidders are required to ensure that they have downloaded the official copy of bidding documents against Tender Search code- **NTPC-2021-TN000011** from website of ETS before closure of Bid Sale Period without which they will not be able to submit their bids.*

For technical assistance, interested parties may call ETS Helpdesk at 0124-4229071, 0124-4229072.

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

- 8.2** Issuance of Bid Documents to any Bidder shall not construe that such Bidder is considered to be qualified. The bids shall be submitted online. Bidder shall furnish Bid Security Declaration, Integrity Pact, Pass Phrases and Power of Attorney separately as detailed in Bidding Documents before the stipulated bid submission closing date and time at the address given below.
- 9.0** Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.
- 10.0** 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 above.

11.0 ADDRESS FOR COMMUNICATION

Addl. General Manager (RE-CS)/ Senior Manager (RE-CS)

Renewable Energy – Contracts Services

NTPC Limited

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