



**NTPC GREEN ENERGY LIMITED
(A WHOLLY OWNED SUBSIDIARY OF NTPC LIMITED)
RENEWABLE ENERGY – CONTRACTS SERVICES, GREATER NOIDA.**

**INVITATION FOR BIDS (IFB)
FOR**

**EPC PACKAGE FOR IMPLEMENTATION OF AUTO SWITCHED CAPACITOR BANKS
WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY AT NGEL AND
NTPC SPV PLANT(S)
(Domestic Competitive Bidding)**

IFB No.: RE-CS-5788-004-9

Date: 25.04.2023

Tender Search Code: NGEL-2023-TN000001

Bidding Document No: RE-CS-5788-004-9

1.0 NTPC Green Energy Limited (NGEL) invites online bids from eligible bidders on Single Stage Two Envelope (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid) for EPC PACKAGE FOR IMPLEMENTATION OF AUTO SWITCHED CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY AT NGEL AND NTPC SPV PLANT(S).

2.0 BRIEF SCOPE OF WORK

The brief scope of work for the subject package interalia includes the following:

- (i) Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, unpacking, Installation, Associated civil works, integration with the existing SPV plant system and Commissioning and Comprehensive annual maintenance contract for a period of Three (03) years of the complete auto switched capacitor banks with back-to-back capacitor bank switching facility of 165MVAR **at 33KV Voltage level** at NGEL Nokhra SPV Plant.
- (ii) Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, unpacking, Installation, Associated civil works, integration with the existing SPV plant system and Commissioning and Comprehensive annual maintenance contract for a period of Three (03) years of the complete auto switched capacitor banks with back-to-back capacitor bank switching facility of 30 MVAR **at 33KV Voltage level** at NGEL Ettayapuram SPV Plant.

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- (iii) Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, unpacking, Installation, Associated civil works, integration with the existing SPV plant system and Commissioning and Comprehensive annual maintenance contract for a period of Three (03) years of the complete auto switched capacitor banks with back-to-back capacitor bank switching facility of 09 MVAR **at 33KV Voltage level** at NTPC Gandhar SPV Plant.

The detailed scope of work is as defined in the bidding document No.: **RE-CS-5788-004-9**

3.0 NGEL intends to finance the subject package through Own Resources/ commercial borrowings.

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:

IFB No.	RE-CS-5788-004-9	
ETS Portal Tender Search Code (TSC)	NGEL-2023-TN000001	
IFB Date	25.04.2023	
Period of Downloading of Bidding Documents	From 28.04.2023 to 08.05.2023	
Last Date for receipt of queries from prospective Bidders	10.05.2023	
Last Date and Time for receipt of bids comprising both Techno-Commercial Bid and Price Bid	17.05.2023	14:00:00 (IST)
Date & Time of opening of Techno-Commercial Bid	17.05.2023	14:30:00 (IST)
Cost of Bidding Documents in INR	INR 11,250/- (Indian Rupees Eleven Thousand Two Hundred and Fifty only)	

4.1 No Queries from Bidders, whatsoever, shall be entertained by NGEL beyond the last date of receipt of Queries as specified above.

5.0 All bids must be accompanied by Bid Security for an amount indicated as per table below and in the form as stipulated in the Bidding Documents:

EPC PACKAGE FOR IMPLEMENTATION OF AUTO SWITCHED CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY AT NGEL AND NTPC SPV PLANT(S). BIDDING DOCUMENT NO.: RE-CS-5788-004-9	Invitation For Bids	PAGE 2 OF 9
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SI No	Capacity quoted by Bidder along with Project Name	Amount of Bid Security (in INR)
1.	9 MVAR Gandhar	5 Lakh
2.	30 MVAR Ettayapuram	10 Lakh
3.	165 MVAR Nokhra / (165 MVR Nokhra + 9 MVAR Gandhar) / (30 MVAR Ettayapuram + 9 MVAR Gandhar)	20 Lakh
4.	(165 MVAR Nokhra + 30 MVAR Ettayapuram) / 204 MVAR (for Nokhra + Ettayapuram + Gandhar)	50 Lakh

ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY IN A SEPARATE SEALED ENVELOPE SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND RETURNED TO THE BIDDER WITHOUT BEING OPENED. IN CASE, THE BID SECURITY IS SUBMITTED THROUGH ELECTRONIC FUND TRANSFER (EFT), BIDDER TO SUBMIT THE PROOF OF E-PAYMENT OF BID SECURITY IN SEPARATE SEALED ENVELOPE.

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 6.1.0 Technical Criteria and Clause 6.2.0 Financial criteria.**

6.1.0 TECHNICAL CRITERIA

The Bidder should have carried out Engineering, Procurement and Construction of at least 02 (two) numbers of outdoor Air Insulated Bays at 33 KV or above voltage level and should have been in successful operation for minimum one (01) year as on date of bid opening.

Note: -

- Bidder shall submit the certificate as evidence of meeting the essential qualification criteria from the project owner.
- One number outdoor Air Insulated Bay shall consist of at least one number of three phase set for Current transformers, circuit breaker and isolators. The execution of bays as EPC Contractor means, such EPC Contractor is responsible for all the activities i.e., Design/Engineering, Procurement, Construction and Commissioning of project/work.
- In case the award for the reference works has been received by the Bidder either directly from owner of plant/substation or any other intermediary organization, a certificate from such owner of plant/substation or the intermediary organization



shall be required to be furnished by the Bidder along with its techno-commercial bid in support of its claim of meeting requirement stipulated above. Certificate from owner of the plant/substation shall also be furnished by the Bidder for the successful operation of the reference plant/substation.

6.2.0 FINANCIAL CRITERIA

6.2.1 The average annual turnover of the Bidder, should not be less than the financial figure as mentioned in the formula below, for any three (03) financial years out of preceding five (05) financial years as on the date of techno-commercial bid opening.

$$\text{Average Annual Turnover (in Crore)} = C_1 \times Q_1 + C_2 \times Q_2 + C_3 \times Q_3$$

Where,

Abbreviation	Meaning
C ₁	INR 3.50 Crore for EPC PACKAGE FOR IMPLEMENTATION OF 09 MVAR AUTO SWITCHED CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY at NTPC 20 MW GANDHAR
C ₂	INR 9.0 Crore for EPC PACKAGE FOR IMPLEMENTATION OF 30 MVAR AUTO SWITCHED CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY at NGEL 230 MW ETTAYAPURAM
C ₃	INR 21.0 Crore for EPC PACKAGE FOR IMPLEMENTATION OF 165 MVAR AUTO SWITCHED CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY at NGEL 300 MW NOKHRA
Q ₁	Value is 1 if Bidder has quoted for EPC PACKAGE FOR IMPLEMENTATION OF 09 MVAR AUTO SWITCHED CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY at NTPC 20 MW GANDHAR else Value is 0
Q ₂	Value is 1 if Bidder has quoted for EPC PACKAGE FOR IMPLEMENTATION OF 30 MVAR AUTO SWITCHED



	CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY at NGEL 230 MW ETTAYAPURAM else Value is 0
Q ₃	Value is 1 if Bidder has quoted for EPC PACKAGE FOR IMPLEMENTATION OF 165 MVAR AUTO SWITCHED CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY at NGEL 300 MW NOKHRA else Value is 0

In case a Bidder does not satisfy the average annual turnover criteria, stipulated at Clause 6.2.1 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 its 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% (one 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, however 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% (one 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% (seventy five percent) 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:

- (i) Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.
- (ii) 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 any three out of five 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 6.2.0:

- 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 date of techno-commercial bid opening shall be used.

7.0 NGEL 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 website <https://www.bharat-electronictender.com> (if not registered already).

The cost of the bidding documents as mentioned above is required to be submitted along with GSTIN and Organization ID registered with ETS portal in the manner specified at 8.1 below. After registration with ETS portal 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.bharatelectronictender.com> with Tender Search Code NGEL-2023 - TN00xxxx. Interested parties are required to ensure that they have downloaded the official copy of Bidding documents against Tender Search code- NGEL-2023-TN000001 from above mentioned website without which they will not be able to submit their bids. For technical assistance call ETS Helpdesk at 0124-4229071.

8.1 Interested Bidders can pay for the cost of documents as mentioned above in the form of Electronic transfer/NEFT Payments in the following account details of NGEL:

Account name	NTPC Green Energy Ltd
Bank Name	Axis Bank
Type of Account	Current
Bank Account No	922020025003612
IFSC Code	UTIB0000022
Branch address	Branch address - B-2 & B-3, Sector 16, Noida, U.P. – 201301

In case of electronic fund transfer, the bidder shall be required to forward the copy of transfer receipt/electronic transfer receipt from their registered email ID to the concerned nodal officers of NGEL 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 “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:

<p>Declaration for Payment of Cost of Bidding Document</p> <p>Tender Search Code: Bidder Name: UTR Reference:</p>
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Amount:
Date of Transfer:
Transferor Bank:

(Signature of Bidder with Seal)

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. Bids shall be submitted online. Bidder shall furnish Bid Security, Pass Phrase and Power of Attorney separately offline 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 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 in this tender 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.

11.0 Class-I local suppliers' only are eligible to participate in this tender, as defined in the bidding documents/ Public Procurement (Preference to Make in India), Order 2017 and its subsequent amendments/ revisions issued by DPIIT. The bidders may apprise themselves of the relevant provisions of bidding documents in this regard before submission of their bids

12.0 Address for communication:

Addl. General Manager (Renewable Energy-Contract Services) / Sr. Manager (Renewable Energy-Contract Services),
NTPC Green Energy Ltd,
4th Floor, NETRA Building,
E-3, Ecotech-II, Udyog Vihar, Greater Noida-201306,
Distt. Gautam Budh Nagar, (UP), India

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Telephone No. +91-120-2356517/2356525

Email: vishaljain@ntpc.co.in/madhusmritidevchoudhry@ntpc.co.in or at office.

Corporate Identification Number: U40100DL2022GOI396282, Website:
www.ntpc.co.in