

CORPORATE CONTRACTS, NOIDA

INVITATION FOR BIDS (IFB)

FOR

EPC Package for

BESS Implementation at NTPC Thermal Power Stations (Lot-1)
(Domestic Competitive Bidding)

IFB No.: 2025_NTPC_100673_1

Bidding Document No.: CS-0011-171A-9

Date: 30.09.2025

- 1.0** NTPC Limited invites online bids from eligible bidders on Single Stage Two Envelope Basis (i.e. Envelope-I: Techno-Commercial and Envelope-II: Price) from eligible Bidders for aforesaid package as per the brief Scope of Work mentioned hereinafter.
Lot-1 comprises the following Stations/projects:

Sr. No.	Station Name	Battery Capacity (MWh)
1.	Kudgi Super Thermal Power Station (Kudgi)	480
2.	Mouda Super Thermal Power Station (Mouda)	400
3.	Barh Super Thermal Power Station- (Barh)	400
4.	Nabinagar Super Thermal Power Station (Nabinagar)	400
5.	Simhadri Super Thermal Power Station (Simhadri)	290
6.	Solapur Super Thermal Power Station (Solapur)	264
7.	Ramagundam Super Thermal Power Station (Ramagundam)	100

2.0 BRIEF SCOPE OF WORK

BESS Implementation at NTPC thermal stations, interconnection with the existing thermal power facilities as defined in the Technical Specifications and Comprehensive Annual Maintenance Contract (CAMC) of the BESS system for a period of 11 years from the date of successful completion of Performance Guarantee (PG) Test. The BESS shall comprise of Battery System, Battery Management System (BMS), Energy Management System (EMS) and SCADA, Power Conversion System (PCS), Inverter Duty Transformer (IDT), 33 kV pooling switchgear, Protection system, Communication System, HT & LT System, Auxiliary power system, Fire Fighting, remote control and monitoring, and all other associated materials and accessories necessary for trouble free operation and maintenance of the BESS system.
Detailed scope of work has been specified in the bidding documents

- 3.0** NTPC intends to finance the aforesaid Package through a mix of debt and equity.

- 4.0** **Only Class-I and Class-II Local Supplier are eligible to Bid. Bids received (if any) from Non Local Supplier shall be out rightly rejected.**

- 5.0 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://eprocurentpc.nic.in/> and the Bidding Schedule* for the Tender is as under: :

Issue of IFB	30.09.2025
Bidding Document No	CS-0011-171A-9
Start of Documents download Date	30.09.2025
Date for Pre-Bid conference	17.10.2025
Last date for receipt of queries from bidders (if any) **	17.10.2025 upto 1700 Hrs (IST)
Bid receipt date & time for Envelope-I (Techno-Commercial) & Envelope-II (Price) bid	31.10.2025 upto 1300 Hrs (IST)
Bid Opening Date & Time for Envelope-I (Techno-Commercial) bid	31.10.2025 at 1500 Hrs (IST)
Cost of Bidding Document	Rs. 22,500 (Rupees Twenty-Two Thousand Five Hundred only)
Bid Opening Date & Time for Envelope-II (Price) bid	Shall be intimated after opening of Envelope-I (Techno-Commercial) Bids.

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

****No Queries from Bidders, whatsoever, shall be entertained by the Employer beyond the last date of receipt of Queries/ Pre-Bid Conference as specified at GePNIC portal of NTPC.**

***** Queries from Bidders should be in the Format Attached as Appendix-II.**

- 6.0 All bids must be accompanied by Bid Security as specified below in the form as stipulated in the Bidding Documents.

Each Bidder is required to declare the "Interest Capacity (in MWh)" in the prescribed "Form of Interest" for which Bidder is interested in taking award. Bidders shall submit the Bid Security as specified in table below based on the "Interest Capacity (in MWh)" they are interested in taking the award:

Sr. No.	"Interest Capacity (in MWh)" submitted by the Bidder.	Bid Security Amount (in INR)
1	up to 100 MWh	2 Crores only
2	101 to 400 MWh	5 Crores only
3	401 to 700 MWh	10 Crores only
4	701 to 1750 MWh	20 Crores only
5	1751 to 2334 MWh	50 Crores only

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 SHALL NOT BE OPENED. IN CASE, THE BID SECURITY IS SUBMITTED THROUGH ELECTRONIC FUND TRANSFER (EFT), BIDDER TO SUBMIT THE PROOF OF E-PAYMENT OF BID SECURITY EITHER IN SEPARATE SEALED ENVELOPE OR IN THE E-TENDERING PORTAL.

- 7.0 **Qualifying Requirements for Bidders (QR):**

Qualifying Requirement (QR) for subject package is Attached as **Appendix-I**

- 8.0 NTPC reserves the right to reject any or all bids or cancel/ withdraw the Invitation for Bids or delete any of the Projects under subject IFB without assigning any reason whatsoever and in such case no bidder / intending bidder shall have any claim arising out of such action.

9.0 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.

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 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 Downloading/Issuance of Bid Documents and/or submission of Bids shall not construe that such Bidder is considered to be qualified. Bids shall be submitted and opened at the address given below.

12.0 Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.

13.0 Notwithstanding anything stated above, the Employer reserves the right to assess the capabilities and capacity of the Bidder / its Collaborators / Associates / Subsidiaries / Group companies to perform the contract, should the circumstances warrant such assessment in the overall interest of the Employer.

14.0 Address for Communication:

AGM (Contract Services) / Sr. Manager (Contract Services),
NTPC Limited,
Sixth Floor, Engineering Office Complex,
A-8A, Sector-24, NOIDA,
Distt. Gautam Budh Nagar, (UP), INDIA
Pin - 201301

Tel. No.: +91-120-4946520 / 6544

E-mail: abhishekjain02@ntpc.co.in/ rsingh03@ntpc.co.in

Websites: <https://eprocurentpc.nic.in/> or www.ntpctender.com or www.ntpc.co.in

15.0 Registered Office

NTPC Limited
NTPC Bhawan, SCOPE Complex,
7, Institutional Area, Lodi Road,
New Delhi – 110003
Corporate Identification Number: L40101DL1975GOI007966,
Website: www.ntpc.co.in

QUALIFYING REQUIREMENTS (QR)

In addition to the requirements stipulated under section Instruction to Bidder (ITB), the Bidder should also meet the qualifying requirements stipulated hereunder in Clause 1.0 and Clause 2.0.

1.0 Technical Criteria

- 1.1** The bidder should have manufactured and supplied Batteries of cumulative capacity of minimum 20 MWh for grid interactive battery energy storage system(s), out of which at least one reference grid interactive battery energy storage system, where minimum 5 MWh capacity has been supplied in a single order, which should have been successfully commissioned at least six (6) months prior to the date of techno-commercial bid opening.

OR

- 1.2** The bidder should have supplied, installed/supervised installation and commissioned/supervised commissioning of grid interactive battery energy storage system(s) of cumulative installed capacity of minimum 20 MWh, out of which at least one reference grid interactive battery energy storage system, where minimum 5 MWh capacity has been supplied in a single order, which should have been successfully commissioned at least six (6) months prior to the date of techno-commercial bid opening.

OR

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

OR

- 1.4** (i) The Bidder should have executed, in the last 10 years from the last day of month previous to one in which NIT has been invited, industrial project(s) either as developer or an EPC Contractor in the area of Power / Steel / Oil & Gas/ Petro-chemical/ Fertilizer/ Cement / Flue Gas Desulphurization and/or any other process industry with the total value of such projects being INR 375 Crores or more. At least one of such projects should have a total contract value of INR 150 Crores or more. These project(s) should have been in successful operation for a period of not less than six (06) months prior to the date of techno-commercial bid opening.

AND

(ii) The bidder should have executed at least one (1) Electrical Sub-station of minimum 33kV 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 have been in **successful operation for at least six (6) months** prior to the date of techno-commercial bid opening.

The works referred to at Clause 1.4 (i) & 1.4 (ii) can be in same or different projects.

OR

- 1.5** The Bidder who meets the requirement of Clause 1.4 (i) above only, shall associate/collaborate or have manufacturing license agreement with a Battery manufacturer meeting the requirements stipulated at Clause 1.1 above.

In case of association/collaboration or license, the bidder shall furnish along with the techno-commercial bid a copy of such license or association/collaboration agreement done with the battery manufacturer and such agreement should be valid for a period up to the end of the defect liability period of the contract.

The Bidder shall be required to furnish a letter of support from the associate/collaborator or licensing company meeting the requirements stipulated at clause 1.1 above for successful performance of the grid interactive battery energy storage system(s) as per the format enclosed with the bidding documents, and valid for a period up to the end of defect liability period of the contract.

The Letter of Support along with such license or association/collaboration agreement shall be submitted along with the techno-commercial bid, failing which the Bidder shall be disqualified, and its bid shall be rejected.

OR

- 1.6** The bidder can participate if any of its Group company/Holding Company/Subsidiary company meets the requirement (s) of Clause 1.1 or 1.2 or 1.3 above.

In such a case, Bidder shall furnish an Undertaking (jointly executed with the Holding Company/Subsidiary company/respective company of the Group Company (as applicable) qualified as per clause 1.1 or 1.2 or 1.3) along with its techno-commercial bid for complete performance of the contract as per format enclosed in the bidding document, failing which the Bidder's bid shall be rejected.

Notes for Clause 1.0

- a) For clause 1.1, reference projects for meeting cumulative manufacturing and supply experience of 20 MWh, may or may not be commissioned.
- b) For clause 1.2, Projects with Battery supplied by developer/owner as free issue item to bidder shall also be considered eligible for QR purpose.
- c) For clause 1.1 and 1.2, the reference grid interactive battery energy storage system of minimum 5 MWh capacity should be at a single location developed by Bidder for itself or any other client.
- d) For Clause 1.3, the reference SPV/Wind based grid-connected power plant of 10 MWAC or above capacity should be at a single location developed by Bidder for itself or any other client.
- e) For clause 1.3, SPV based Roof-top/Floating solar power projects, which are grid connected, shall also be considered eligible for QR purpose.
- f) For Clause 1.3, reference plants with solar PV module/Wind Turbine supplied by developer/owner as free issue item to bidder shall also be considered eligible for QR purpose.
- g) For Clause 1.1, 1.2 and 1.3, bidder shall provide relevant support documents to establish that reference projects are Grid Connected.
- h) For clause 1.4, developer means an entity who has either executed or got executed the work/project as owner of industrial projects.
- i) For clause 1.4, the execution of industrial project as EPC Contractor means that such EPC Contractor is responsible for all the activities i.e. Design or Engineering, Procurement, Erection (with/without civil works) and Commissioning of the project/work.

- j) For Clause 1.4, projects where the 33 kV substation equipment (including 33 kV or above voltage level) supplied by the developer/owner as free issue items to the bidder, with installation carried out by the EPC contractor, shall also be considered eligible for QR purpose.
- k) The value of executed works in Clause 1.4 shall be given a simple weightage to bring them at current price level by adding 5% for each year on pro-rata basis after the end date of completion/execution/commissioning of the reference work, till the last day of month previous to one in which NIT has been invited.
The specified value of executed works in Clause 1.4 shall be excluding any taxes and duties.
- l) The word "executed" in clauses 1.4 means:
- In case of Project(s), the project(s) should have been commissioned, even if the contract has been started earlier and / or is not completed / closed.
 - In case of Contract(s), the scope of work under the contract(s) should have been completed, even if the contract has been started earlier and / or is not closed.
- m) For clause 1.4, if the value of reference work is indicated in foreign currency, the exchange rate as on date of award of the reference work shall be considered. In case the exchange rate as on the date of award is not available, the exchange rate as on the next available day shall be considered.
- n) For establishing successful commissioning and operation of the reference projects as required in different clauses, bidder shall submit the certificate of successful commissioning and operation from the Owner of such reference project/plant. Certificate issued by owner in the name of Bidder/intermediary Organization shall be acceptable. However, if bidder in clause 1.1 or 1.2 or 1.3 is also the owner of the reference project or if the bidder in clause 1.4 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.
- o) 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 different clauses.
- p) Bidder should be corporate entities registered in India under the Companies Act 2013.
- q) 'Group Company' means two or more enterprises which, directly or indirectly, are in a position to:
- Exercise twenty-six percent or more of voting rights in other enterprise.
- Or
- Appoint more than fifty percent of members of Board of Directors in the other enterprise.

2.0 Financial Criteria

2.1.0 Financial Criteria for the Bidder

- 2.1.1 The average annual turnover of the Bidder should not be less than the requirement as mentioned in the Table below, during the preceding three (3) financial years as on the date of techno-commercial bid opening.

Project	Average Annual Turnover Requirement
Kudgi	INR 537 Crores (Indian Rupees Five Hundred Thirty-Seven Crores Only)

Mouda	INR 449 Crores (Indian Rupees Four Hundred Forty-Nine Crores Only)
Solapur	INR 321 Crores (Indian Rupees Three Hundred Twenty-One Crores Only)
Barh	INR 445 Crores (Indian Rupees Four Hundred Forty-Five Crores Only)
Nabinagar (NPGC)	INR 444 Crores (Indian Rupees Four Hundred Forty-Four Crores Only)
Simhadri	INR 358 Crores (Indian Rupees Three Hundred Fifty-Eight Crores Only)
Ramagundam-III	INR 113 Crores (Indian Rupees One Hundred Thirteen Crores Only)

In case a Bidder does not satisfy the average annual turnover criteria 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.

- 2.1.2 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% of the respective paid-up share capitals and Y1, Y2, Y3 are individual paid-up share capitals.

- 2.1.3 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:

- Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.
- 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 (3) 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.

2.2.0 Financial Criteria for the Associate/Collaborator

- 2.2.1** The average annual turnover of the associate/collaborator should not be less than the requirement as mentioned in Table below, during the preceding three (3) financial years as on the date of techno-commercial bid opening.

Project	Average Annual Turnover Requirement
Kudgi	INR 53.70 Crores (Indian Rupees Fifty-Three Crores and Seventy Lakhs Only)
Mouda	INR 44.90 Crores (Indian Rupees Forty-Four Crores and Ninety Lakhs Only)
Solapur	INR 32.10 Crores (Indian Rupees Thirty-Two Crores and Ten Lakhs Only)
Barh	INR 44.50 Crores (Indian Rupees Forty-Four Crores and Fifty Lakhs Only)
Nabinagar (NPGC)	INR 44.40 Crores (Indian Rupees Forty-Four Crores and Forty Lakhs Only)
Simhadri	INR 35.80 Crores (Indian Rupees Thirty-Five Crores and Eighty Lakhs Only)
Ramagundam-III	INR 11.30 Crores (Indian Rupees Eleven Crores and Thirty Lakhs Only)

In case an associate/collaborator does not satisfy the average annual turnover criteria 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 associate/collaborator 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 associate/collaborator in case of award.

- 2.2.2** Net Worth of the associate/collaborator as on the last day of the preceding financial year should not be less than 100% (one hundred percent) of associate/collaborator's paid-up share capital. In case the associate/collaborator 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 associate/collaborator 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% of the respective paid-up share capitals and Y1, Y2, Y3 are individual paid-up share capitals.

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

- i) Copies of the unaudited unconsolidated financial statements of the associate/collaborator 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 associate/collaborator is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited result of three (3) 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:

- 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 2013.
- iv. For average annual turnover requirement indicated in foreign currency in Clause 2.1.1 and Clause 2.2.1, the exchange rates as on seven (7) days prior to the last date of submission of bid shall be used.
- v. Bidder may quote for one or more projects and in such a case the average annual turnover requirement corresponding to the aggregate financial requirement for all such projects as mentioned in Clause 2.1.1 and Clause 2.2.1 shall be applicable.

Appendix-II Format for Pre Bid Query

Bidder's Name and Address.....

Query No.	Section	Clause No.	Tender Document Condition	Bidder's query