

NTPC Limited
(A Government of India Enterprise)
(CORPORATE CONTRACTS, NOIDA)
INVITATION FOR BIDS (IFB)
FOR

Development, Design and Setup of 10TPD CO2 to 4G-Ethanol (10 TPD CTE) Plant at NTPC Lara

(Domestic Competitive Bidding)

GEPNIC Tender Ref. No: 2023_NTPC_79732_1

Date: 22.09.2023

Bidding Document No: CS-9588-130-9

1.0 NTPC invites on-line bids at Government e-procurement portal of NIC (GePNIC) at website-<https://eprocurmentpc.nic.in/> on **Single Stage Two Envelope Basis (i.e. Envelope-I: Techno-Commercial Bid and Envelope-II: Price Bid)** from eligible Bidders for aforesaid package, as per the scope of work briefly mentioned hereinafter.

2.0 Brief Scope of Work

Design and detailed engineering, Procurement, Fabrication, Supply, Packing, Loading, Forwarding, Transportation, Unloading, Storage, Preservation, Freight, Insurance, Clearances, Custom or any other duty, Construction, Erection, Commissioning, Shop & Field Quality Tests, PG Test and 12-month O&M of plant at NTPC-Lara.

The detailed scope of work shall be as per specification and scope defined in the Bidding Document.

3.0 NTPC intends to finance the aforesaid Package through Domestic Funds / Own Resources.

4.0 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://eprocurmentpc.nic.in/>. The Bidding Schedule* for the Tender is as under:

Issuance of IFB	22.09.2023
Documents Download Dates and Time	From 22.09.2023
Last date for receipt of queries from bidders (if any)**	09.10.2023
Pre Bid Conference date & time	05.10.2023 at 1030 hrs (IST) at NTPC Lara
Bid (both Techno-Commercial and Price) receipt date & time	Up to 1500 hrs (IST) on 19.10.2023
Date & Time for opening of Techno-Commercial bid	20.10.2023 at 1530 Hrs (IST)
Date & Time for submission and opening of Price bid	Shall be intimated after opening of Techno-Commercial Bid.
Cost of Bidding Documents in INR	INR 22,500

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

**It is to be noted that "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 at GePNIC portal of NTPC".

- 5.0** All bids must be accompanied by Bid Security for an amount of **INR 5,00,00,000/- (Indian Rupees Five Crores only)** in the form as stipulated in the Bidding Documents.

ANY BID NOT ACCOMPANIED BY AN ACCEPTABLE BID SECURITY SHALL BE REJECTED BY THE EMPLOYER AS BEING NON-RESPONSIVE AND SHALL NOT BE OPENED.

- 6.0** 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://eprocurmentpc.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.

No hard copy of Bidding Documents shall be issued. Bids shall be submitted ONLY at the e-Tender Portal i.e. <https://eprocurmentpc.nic.in/>

7.0 Qualifying Requirements for Bidders:

Qualifying Requirement (QR) for subject package is attached as **Annexure-I** to this IFB.

- 8.0** "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."

- 9.0** 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.

- 10.0** Transfer of Bidding Documents by one intending Bidder to another is not permissible.
- 11.0** Downloading/Issuance of Bidding Documents and /or submission of Bid shall not construe that bidder is considered qualified.
- 12.0** NTPC reserves the right to reject any or all bids or cancel/withdraw the Invitation for Bids (IFB) without assigning any reason whatsoever and in such case no bidder/intending bidder shall have any claim arising out of such action.

13.0 Address for Communication

Sr. Manager (CS)/ AGM (CS)
NTPC Limited
Plot A-8A, Sector 24, Noida-201301
State of U.P. India

Contact: 9650995563/9650992301
e-mail : kavishminocha@ntpc.co.in / abhishekjain02@ntpc.co.in
E-mail:
Websites: www.ntpctender.ntpc.co.in or www.ntpc.co.in
or <https://eprocurerntpc.nic.in/>

14.0 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

Annexure-I to Invitation for Bids

Qualifying Requirements

**Development, Design and Setup of 10TPD CO₂ to 4G-Ethanol (10 TPD CTE) Plant at
NTPC Lara**

1.0.0 In addition to the requirements stipulated under section Instruction to Bidder (ITB), the bidder should also meet the qualifying requirements stipulated hereunder:

1.1.0 TECHNICAL CRITERIA

1.1.1 (a) The bidder should have executed project(s) on Engineering, Procurement & Construction (EPC) basis (with or without civil works) in the area of thermal power / hydro power/ nuclear power/metallurgy/ steel / oil & gas/ petrochemical/ hydrocarbon/ chemical/ effluent treatment plant/ fertilizer plants, during last fifteen (15) years reckoned as on the date of Techno-Commercial Bid Opening, with a cumulative value of such project(s) being ₹2950 Million (Rupees Two Thousand, Nine Hundred and Fifty Million Only) or more with individual contract value of such project(s) not less than ₹750 Million (Rupees Seven Hundred Fifty Million Only). The reference project(s) should have been successfully operated for at least 12 months prior to the date of techno-commercial bid opening.

(b) Further, the bidder should be the owner (applicant/assignee) of a patent wherein 'alcohol' is produced from 'gas containing CO/CO₂' using 'fermentation' process. Additionally, at least one demo/ pilot plant of minimum 200KG/ day capacity demonstrating the bidder's technology (i.e. 'alcohol' generation from 'gas containing CO/CO₂' 'fermentation' process), should have been successfully operated for at least 6 months prior to the date of techno-commercial bid opening.

1.1.2 The Bidder, who meets the requirements at Clause 1.1.1(a) above only may also participate provided it associates/collaborates with an agency who meets the requirements of Clause 1.1.1(b) above (hereinafter referred to as 'Technology Provider'). The bidder should have valid Technology License Agreement / Agreement for Right to Use of Technology, with the Technology Provider, as on the date of Techno-commercial bid opening, for right to use of latter's technology.

In such case, the Bidder should submit a Letter of Undertaking from the Technology Provider, as per the format enclosed in the bidding documents, for successful performance of latter's obligations under the contract. The Letter of Undertaking should be submitted along with the Techno-Commercial bid, failing which the Bidder shall be disqualified and its bid shall be rejected.

Notes for Clause 1.1.0.

- a. Projects executed by Bidder's Subsidiary (ies) and/or Holding Company and/or Subsidiaries of its Holding companies shall be considered as bidder's experience for meeting the QR. In such case, the bidder shall submit a Deed of Joint Undertaking as per the format enclosed with Bidding Documents wherein holding company and all such subsidiaries lending strength/experience to the Bidder shall necessarily be part of Deed of Joint Undertaking for successful performance of the contract. In case of award, the holding company and all such subsidiaries lending strength/experience to the Bidder shall be required to submit separate on demand performance security for an amount aggregating 2% of the total contract price divided

equally among them in addition to the contract performance security to be furnished by the Bidder and the Technology Provider.

- b. For meeting qualifying requirement under clause 1.1.1(b), bidder can also associate/collaborate with holding company or subsidiary company of the Technology Provider (hereinafter referred to as Technology Provider's Group Company-TPGC) provided that such TPGC has the right to use the technology of the Technology Provider and the right to enter into Technology License Agreement/ Agreement for Right to Use of Technology, with the bidder.
- c. **In case of award, Technology Provider/TPGC (as the case may be) shall be required to furnish an on-demand performance security as per the format enclosed with the bidding documents for an amount of 2.0% (Two percent) of the total contract price of this package in addition to the contract performance security to be furnished by the Bidder.**
- d. In case the demo/ pilot plant under clause 1.1.1(b) has been set up by technology provider in their own premises, supporting document(s) (Internal Work Order/PO of procurements and execution etc. and document(s) supporting project completion) proving that the Technology provider has carried out the work, is required to be furnished by the Bidder along with its techno-commercial bid in support of its claim of meeting requirement of QR.
- e. A bidder can tie up with only one Technology Provider. In case a bidder submits bid(s) with multiple Technology Providers, all such bids shall be rejected. **A Technology Provider can associate/collaborate with multiple bidders.**
- f. Technology License agreement/ Agreement for Right to Use of Technology as mentioned at clause 1.1.2 above, shall be valid for at least four years from the date of Techno-commercial bid opening.
- g. The word "executed" in Clause 1.1.0 means the Bidder should have commissioned the project(s) within the specified period even if the contract has been started earlier and/ or is not closed.
- h. EPC basis under clause 1.1.1(a) means that Engineering, Procurement, and Construction (with or without civil works) should have been in the scope of the bidder for the reference work.
- i. The Bidder/ Technology Provider/TPGC shall also be considered qualified in case the award for executing the reference works has been received by the Bidder/ Technology Provider/TPGC either directly from owner of plant or any other intermediary organization. However, a certificate from the owner of the plant shall be furnished by the Bidder along with the Techno-Commercial bid for the successful operation criterion as specified at clause 1.1.1(a) & 1.1.1(b) above.
- j. If the Value of the reference works indicated at clause 1.1.1(a) is in foreign currency, SBI Bill Selling exchange rate as on the 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.

2.0 FINANCIAL CRITERIA FOR BIDDER

- 2.1 The average annual turnover of the Bidder, in the preceding three (3) financial years as on the date of Techno-Commercial bid opening, should not be less than ₹1500 Million (Rupees One Thousand Five Hundred Million Only) or in equivalent foreign currency.
- 2.2 In case a Bidder does not satisfy the average 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.

- 2.3 Net worth should not be less than 100% (hundred percent) of the bidder's paid up share capital as on the last day of the preceding financial year. In case the Bidder does not meet 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% (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:

$$\text{Net worth (combined)} = (X1+X2+X3) / (Y1+Y2+Y3) \times 100$$

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.

- 2.4 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 for 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) A Certificate from the CEO/CFO of the Holding Company, as per the format enclosed with the bidding documents, stating that the unaudited unconsolidated financial statements form part of the consolidated financial statements of the Holding Company.

In cases where audited results for the last financial year as on the date of Techno Commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case, Bidder is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited results of three consecutive financial years preceding the last financial year shall be considered for evaluating the 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 the date of Techno-commercial bid opening and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.

3.0 FINANCIAL CRITERIA FOR TECHNOLOGY PROVIDER / TPGC

- 3.1 The average annual turnover of the Technology Provider / TPGC (as the case may be) in the preceding three (3) financial years as on the date of Techno-Commercial bid opening, should not be less than ₹250 Million (Rupees Two Hundred and Fifty Million Only) or in equivalent foreign currency.
- 3.2 In case the Technology Provider / TPGC (as the case may be) does not satisfy the average 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 Technology Provider / TPGC (as the case may be) would be required to furnish along with bidder's 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 to the Technology Provider / TPGC (as the case may be) to honour the terms and conditions of the Letter of Undertaking furnished as per clause 1.1.2 of this Qualifying Requirement in case of award of the Contract to the Bidder with whom the Technology Provider / TPGC (as the case may be) is associated.
- 3.3 Net worth of the Technology Provider / TPGC (as the case may be) should not be less than 100% (hundred percent) of its paid up share capital as on the last day of the preceding financial year

on the date of Techno-commercial bid opening. In case the Technology Provider / TPGC (as the case may be) does not meet 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 company wherever applicable. In such a case, however the Net worth of the Technology Provider / TPGC (as the case may be) 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:

$$\text{Net worth (combined)} = (X1+X2+X3) / (Y1+Y2+Y3) \times 100$$

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.

3.4 In case the Technology Provider / TPGC (as the case may be) is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the Technology Provider / TPGC (as the case may be) can be considered acceptable provided the Technology Provider / TPGC (as the case may be) further furnishes the following documents for substantiation of its qualification:

- (iii) Copies of the unaudited unconsolidated financial statements of the Technology Provider / TPGC (as the case may be) along with copies of the audited consolidated financial statements of its Holding Company.
- (iv) A Certificate from the CEO/CFO of the Holding Company, as per the format enclosed with the bidding documents, stating that the unaudited unconsolidated financial statements form part of the consolidated financial statements of the Holding Company.

In cases where audited results for the last financial year as on the date of Techno Commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case, Technology Provider / TPGC (as the case may be) is not able to submit the Certificate from a practicing Chartered Accountant certifying its financial parameters, the audited results of three consecutive financial years preceding the last financial year shall be considered for evaluating the 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 the date of Techno-commercial bid opening and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.

Notes for Clause 2.0 and 3.0:

- 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 do 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 Annual Turnover indicated in foreign currency, SBI Bill Selling exchange rate as on seven (7) days prior to the date of Techno-Commercial bid opening shall be used. 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.