

INVITATION FOR BIDS

NTPC VIDYUT VYAPAR NIGAM LIMITED
(A wholly owned Subsidiary of NTPC Limited)

CONTRACT & MATERIALS

INVITATION FOR BIDS (IFB) **FOR**

EPC PACKAGE OF BIO MASS TO PELLET PLANT NCPS, DADRI (Min 50 TPD output)
(Domestic Competitive Bidding)

Bidding Document No.: NVVN/ C&M/RE-167/2022-23

Date: 21.01.2023

1.0 NTPC Vidyut Vyapar Nigam Ltd (NVVN) invites online bids 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

- (i) The successful bidder shall install a Pellet plant which can process Agro-residue or Biomass consisting of Sugarcane leaves, Mustard straw, Paddy straw and may also include, Cotton Stalk, garden waste, tree branches, horticulture waste etc. into pellets of required specification.
- (ii) The pellet plant shall produce a minimum output quantity of 50 TPD Pellets based on any biomass provided by the employer, considering 16 hrs of operation per day and conforming to specifications mentioned in Table-2 of Section VI (Technical specification) and production should commence within 06 months of award.
- (iii) The scope of the contract shall include Engineering, Procurement, Installation, Commissioning, Operation & Maintenance for initial 2 Years. Further, reclaiming of material from storage yard (from both the parts of the land) to feeding point of the plant shall also be in the scope of bidder.

Detailed scope of work is provided in the Technical Specification (Section VI) of bidding document.

3.0 NVVN intends to finance subject Package through External Commercial Borrowings/ Domestic Commercial Borrowings / Own sources.

4.0 Detailed Specification, Scope of Work and Terms & Conditions are given in the Bidding Documents, which are available for examination and Sale at our GePNIC e-procurement portal <https://eprocurmentpc.nic.in> as per following schedule

Issuance of IFB	21.01.2023
Bidding Document Sale Date & Time	From 21.01.2023 to 13.02.2023 upto 1700 Hrs. (IST)

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Last Date for receipt of queries from bidders (if any) *	28.01.2023 18:00 Hrs
Bid Submission Start	From 31.01.2023
Bid Submission End Date & Time	Upto 13.02.2023 by 1700 Hrs. (IST)
Bid Opening Date & Time for Techno-Commercial Bid	14.02.2023 at 1500 Hrs. (IST)
Price Bid Opening Date & Time	Shall be intimated separately by NVVN.
Cost of Bidding Document	₹ 5625/- (Indian Rupees Five Thousand Six Hundred Twenty Five Only)

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

- 5.0 All Bids must be accompanied by a Bid Security for an amount of **Rs 20,00,000/- (Indian Rupees Twenty Lakh Only)** in the form as stipulated in the bidding documents, to be submitted offline (in a separate sealed cover) prior to date and time for online bid submission.

ANY BID NOT ACCOMPANIED BY THE REQUISITE BID SECURITY IN ACCEPTABLE FORM IN A SEPARATE SEALED ENVELOPE OR BIDS ACCOMPANIED BY BID SECURITY OF INADEQUATE VALUE SHALL BE REJECTED BY NVVN AS NON-RESPONSIVE AND SHALL BE RETURNED TO THE BIDDERS WITHOUT BEING OPENED.

6.0 QUALIFYING REQUIREMENTS FOR BIDDERS

The Bidder should meet the qualifying requirements stipulated in any one of the qualifying routes i.e. Route-1 (Clause 1.1.0) or Route-2 (Clause 1.2.0) or Route-3 (1.3.0) including requirements stipulated in sub clauses of respective routes. In addition, the Bidder should also meet the requirements stipulated under clause 2.0.0 together with the requirements stipulated under section ITB.

1.0.0 Technical Criteria

1.1.0 Route1: Qualified Plant Equipment Manufacturer (QPEM)

- 1.1.1. The Bidder should have manufactured, supplied and installed/got installed at least one (01) number of Briquetting / Pelleting Machine / Equipment (Reference Plant) employing Briquetting technology having output capacity of minimum 1.6* metric tonnes per hour (TPH) or Pelletization technology having output capacity of minimum 1* metric tonnes per hour (TPH). The Reference Plant should have produced minimum 300 tonnes of pellets or produced minimum 500 tonnes of briquettes during last 12 months prior to the date of techno-commercial bid opening.

*The indicated capacities are for using biomass of Mustard Husk/Saw Dust. Equivalent production output capacity shall be considered based on density correction factor of different biomass feed stocks used (refer Note's clause (iv)).

1.2.0 Route 2: EPC company in Collaboration with QPEM

- 1.2.1. The Bidder (as EPC Company) should have engineered / got engineered, supplied, erected / supervised erection & commissioned / supervised commissioning at least one project(s) (with or without civil works) in the last 7 years, in the area of Power, Steel, Oil & Gas, Petrochemical, Fertilizer, Bio-gas, Waste Management, Agro Machinery and / or any other Process Industry with the aforesaid contract value being INR 50 Lakh (Indian Rupees Fifty Lakh Only) or more. The project should have been in successful operation for at least six months prior to the date of techno-commercial bid opening.
- 1.2.2. Such Bidder should collaborate / associate with a QPEM meeting requirements of clause 1.1.0 on its own. In such an event, the Bidder along with its techno-commercial bid, shall furnish a letter of undertaking from above associate (QPEM), as per format enclosed in the bidding documents, for successful performance of Pelleting Machine / Equipment, failing which the bidder shall be disqualified and its bid shall be rejected.

1.3.0 Route 3: Owner of the Briquetting / Pelleting Plant

- 1.3.1. The Bidder should be the Owner of the Briquetting / Pelleting Plant (Reference Plant) having output capacity of minimum 1.6* metric tonnes per hour (TPH) for Briquettes or having output capacity of minimum 1* metric tonnes per hour (TPH) for Pellets located anywhere in India. Such Bidder should have supplied minimum 300 tonnes of pellets or minimum 500 tonnes of briquettes produced in the Reference Plant during last 12 months prior to the date of techno-commercial bid opening.
- *The indicated capacities are for using biomass of Mustard Husk/Saw Dust. Equivalent production output capacity shall be considered based on density correction factor of different biomass feed stocks used (refer Notes clause (iv)).

NOTES:

- (i) **Direct / Indirect order**
The Bidder / QPEM shall also be considered qualified, in case the award for executing the reference works has been received by the Bidder / QPEM either directly from owner of plant or any other intermediary organization. However, 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 the Bidder's / QPEM's claim of meeting the qualification requirement as per Clause 1.1.0/Clause 1.2.0 above. Further, certificate from owner of the plant shall also be furnished by the Bidder along with the Techno-Commercial bid for the stipulated production of pellets as specified at Clause 1.1.0 above and / or successful operation as specified at Clause 1.2.0 above respectively.
- (ii) Client certificate as a document in support of the clause 1.1.0 above shall be acceptable. In case of own built plant, self-certification to establish the manufacturing of the Reference

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Plant shall be produced along with following supporting documents shall be submitted in support of the clause 1.1.0.

For establishing the ownership of the Reference plant: CTE / CTO / Power Consumption etc. shall be produced.

For establishing production of briquettes/Pellets from the Reference Plant: Purchase Order Copy/Invoices raised from Owner /Client Certificate/Power Consumption etc. shall be submitted.

However, employer has the right to visit and inspect the reference plant to verify the details of plant. During employer's visit, bidder / QPEM has to ensure successful demonstration of Briquetting/Pelletization of Agro residue biomass and demonstrate the stipulated capacity.

- (iii) In support of the clause 1.3.0, self-certification along with following supporting documents shall be submitted,

For establishing the ownership of the Reference plant: CTE / CTO / Power Consumption etc. shall be produced.

For establishing production of briquettes/Pellets from the Reference Plant: Purchase Order Copy/Invoices raised from Owner /Client Certificate/Power Consumption etc. shall be submitted.

However, employer has the right to visit and inspect the reference plant to verify the details of plant. During employer's visit, bidder has to ensure successful demonstration of Briquetting/Pelletization of Agro residue biomass and demonstrate the stipulated capacity.

- (iv) For clause 1.2.0, multiple EPC bidders may also collaborate with same QPEM as mentioned in clause 1.1.0.

- (v) **Density Correction Factor:** The following density factor shall be considered for following feedstock:

Feed Stock	Density Correction Factor
Paddy Straw	65%
Mustard Husk / Saw Dust	100%

For any other agro residue, the density correction factor shall be as per density of the agro residue and Mustard Husk / Saw Dust.

Formula:

Equivalent Production Capacity = [Produced Output / Density Factor]

For illustration: If a vendor can produce 1 metric tonnes per hour (TPH) of paddy straw pellets, their equivalent production capacity using the Pelletization technology would be 1 TPH / 0.65 = 1.53 TPH of Mustard Husk / Saw Dust pellets.

2.0.0 Financial Criteria

- 2.1.1 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 **INR 6,34,00,000.00/-**

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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.

- 2.1.2 Net worth of the bidder should not be less than 100 % (one 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 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 company 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:
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 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

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opening and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.

NOTES FOR CLAUSE 2.0.0

- (i) Net worth means the sum total of the paid up share capital and free reserves. Free reserve 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 Company" shall have the meaning ascribed to them as per Companies Act of India.

- 7.0 NVVN 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. Class-I local suppliers' and 'Class-II 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. 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 A complete set of Bidding Documents may be downloaded from <https://eprocurementpc.nic.in> by any interested Bidder. Tender fee (₹ 5625/-), in the form of a crossed A/C PAYEE DEMAND DRAFT / BANKERS CHEQUE / PAY ORDER/NEFT/RTGS in favor of "NTPC VIDYUT VYAPAR NIGAM LIMITED", Payable at NEW DELHI, is required to be submitted in a separately sealed envelope at the address mentioned in the bidding document, before the stipulated date & time of submission of the bid. For any assistance, please email to nvvncontracts@ntpc.co.in or Sr. Manager (Contracts), NTPC VIDYUT VYAPAR NIGAM LIMITED, Engineering Office Complex, Plot No. A-8A Sector 24, Block A, Noida, Uttar Pradesh 201301, Email: nvvncontracts@ntpc.co.in; Tel No: 0120-4948575

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It is required by agency to register and follow the guidelines/FAQ provided in the e-portal <https://eprocurrentpc.nic.in> for participating in the tender, BID is to be submitted online on that portal. Any amendment(s)/corrigendum/clarifications with respect to this Bid shall be uploaded on <https://eprocurrentpc.nic.in> only. Bidder should regularly follow up for any Amendment/Corrigendum/Clarification on the above website.

NOTE: No hard copy of Bidding Documents shall be issued

- 11.0 Issuance of bid documents to any Bidder shall not construe that such bidder is considered to be qualified. Bids shall be submitted online and opened at the address given below in the presence of Bidder's representatives who choose to attend the bid opening. Bidder shall furnish Bid Security and Power of Attorney separately offline as detailed in Bidding Documents by the stipulated bid submission closing date and time at the address given below.
- 12.0 Transfer of Bidding Documents purchased by one intending Bidder to another is not permissible.
- 13.0 **Address for communication:**
Sr. Manager (C&M)
NTPC VIDYUT VYAPAR NIGAM LIMITED
Engineering Office Complex, Plot No. A-8A Sector 24, Block A,
Noida, Uttar Pradesh 201301
Email: nvvncontracts@ntpc.co.in
Corporate Identification Number: U40108DL2002GOI117584,
website: www.eprocurementpc.nic.in
Phone No: 0120-4948575
- 14.0 **Registered Office**

NTPC VIDYUT VYAPAR NIGAM LIMITED,
NTPC Bhawan, Core-7, SCOPE Complex,
7, Institutional Area, Lodhi Road,
New Delhi – 110003
Corporate Identification Number: U40108DL2002GOI117584.
Website: www.nvvn.co.in
- 15.0 Other Instructions
- i. Please use 'Online Bidder Enrollment' link provided on portal <https://eprocurrentpc.nic.in> (GePNIC) to register
 - ii. Go through Help, FAQ etc. as provided on the above portal.
 - iii. Class III digital signature (DSC) is required for submission of BID on above portal.
 - iv. Important Note: It is strongly recommended that all authorized users of Supplier organizations should thoroughly peruse the information provided under the relevant links, and take appropriate action. This will prevent hiccups, and minimize teething problems during the use of GePNIC.

GePNIC Helpdesk Telephone: 24X7 Customer Support +91-120-4001 002/+91-120-4200 462/
+91-120-4001 005/+91-120-6277 787

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