

NTPC LIMITED
(A Government of India Enterprise)



CENTRAL PROCUREMENT GROUP - 01
(CONTRACTS AND MATERIALS DEPARTMENT)
CONTRACTS SECTION

SECTION – I
INVITATION FOR BIDS (IFB)

**INVITATION FOR BIDS (IFB)
FOR
UPGRADATION OF SOLID STATE CONTROLLER WITH MICROPROCESSOR BASED CONTROLLER AND
VFD FOR GRAVIMETRIC FEEDERS of NCPS DADRI STAGE-I
(Domestic Competitive Bidding)**

NIT no: USSC/CPG-1/9900263554

1.0 NTPC invites on-line bids at Government e-procurement portal of NIC (GePNIC) at website-<https://eprocurementpc.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

UPGRADATION OF SOLID STATE CONTROLLER WITH MICROPROCESSOR BASED CONTROLLER AND VFD FOR GRAVIMETRIC FEEDERS of NCPS DADRI STAGE-I

3.0 NTPC intends to finance the aforesaid Package through *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://eprocurementpc.nic.in/>. The Bidding Schedule* for the Tender is as under:

Issuance of IFB	As per the details mentioned in the tender portal
Documents Sale Dates & Timings	
Last date for receipt of queries from bidders (if any)**	
Pre Bid Conference date & time	
Bid (both Techno-Commercial and Price) receipt date & time	
Date & Time for opening of Techno-Commercial bid	
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 2655
Bid security / EMD	INR 5,00,000.00 (To be submitted through Online mode only.)

***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 indicated above 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://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.

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

7.0 **Qualifying Requirements for Bidders: Applicable
As mentioned in Annexure-1 of IFB**

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.

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(C&M) /AGM (CPG-1)

NTPC LTD , Western Region-II Head Quarter, Plot no. -87,
Sector-24, Atal Nagar, Nava Raipur, Chhattisgarh , PIN CODE: 492018

Contact Details:

Land line : 0771-2515472/ 2515438

Email: srikark@ntpc.co.in / monikasagar@ntpc.co.in

Websites: <https://eprocurerntpc.nic.in/nicgep/app> (or) www.ntpc.co.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

QUALIFYING REQUIREMENTS

1.0	TECHNICAL CRITERIA
1.1.0	Route 1: Qualified Gravimetric Coal Feeder Manufacturer (QGCFM)
	The Bidder should have designed manufactured, erected/supervised erection and commissioned/supervised commissioning of gravimetric belt type coal feeders of minimum 36-inch size and its microprocessor based control system, operating in a pulverized coal fired steam generating unit. Further such pulverized coal fired steam generating unit should have been in successful operation for a period of not less than one (1) year prior to the date of Techno-Commercial bid opening.
1.2.0	Route 2: Gravimetric Coal Feeder Manufacturer in collaboration with QGCFM
1.2.1	The Bidder should be a regular coal feeder manufacturer who has manufactured and supplied gravimetric coal feeders and its microprocessor based control system for minimum one (1) pulverized coal fired steam generating unit.
1.2.2	The Bidder who fulfills the requirements at clause 1.2.1 above, should also have an on-going Collaboration Agreement or valid Technology Licensing Agreement, as on the date of Techno-Commercial bid opening, for design, engineering, manufacturing and supply of gravimetric coal feeders in India and its microprocessor based control system with such a manufacturer of coal feeders, who meets the requirements of clause 1.1.0 above.
1.2.3	The Bidder shall either source the Reference Package from QGCFM or manufacture the coal feeder microprocessor based control system as per the design and manufacturing drawings of QGCFM under the on-going Collaboration Agreement or valid Technology Licensing Agreement
1.2.4	The Bidder should furnish a Deed of Joint Undertaking (DJU) executed by the Bidder and QGCFM as per the format enclosed in the bidding documents, in which the Bidder and QGCFM are jointly and severally liable to the Employer to perform all the contractual obligations for complete package. The DJU should be submitted along with the Techno-Commercial bid, failing which the Bidder shall be disqualified and its bid shall be rejected.
1.2.5	In case of award, the QGCFM shall be required to furnish an on demand bank guarantee as per the format enclosed with the bidding documents for a value equal to 5% (five percent) of the contract price of the package in addition to the contract performance security to be furnished by the Bidder.
1.3.0	Route 3: Subsidiary Company in collaboration with QGCFM
1.3.1	The Bidder should be a Subsidiary company of QGCFM meeting requirements stipulated at Clause 1.1.0 above or of holding company of such QGCFM, formed for manufacturing and supply of Gravimetric coal feeders and its microprocessor based control system in India.
1.3.2	The Bidder who fulfills the requirements at clause 1.3.1 above, should also have an on-going Collaboration Agreement or valid Technology Licensing Agreement, as on the date of Techno-Commercial bid opening, for design, engineering, manufacturing and supply of gravimetric coal feeders and for supply of its microprocessor based control system in India with Bidder's promoter/ promoter's subsidiary(ies) company, who meets the requirements of clause 1.1.0 above.
1.3.3	The Bidder shall either source the Reference Package from QGCFM or manufacture the coal feeder microprocessor based control system as per the design and manufacturing drawings of QGCFM under the on-going Collaboration Agreement or valid Technology Licensing Agreement.
1.3.4	In case of manufacturing of gravimetric coal feeders microprocessor based control system as per the above, the Bidder should have created manufacturing facilities at his works as per collaborator/ licensor's design, manufacturing and quality control system for gravimetric coal feeders microprocessor

	based control system, duly certified by collaborator/licensor, as on the date of Techno-Commercial Bid Opening.
	Further, the collaborator / licensor shall provide (or should have provided) all design, design calculation, manufacturing drawings and must provide (or should have provided) technical and quality surveillance assistance and supervision during manufacturing, erection, testing, commissioning of gravimetric coal feeders.
	A certificate from QGCFM certifying the contents of the clause 1.3.4 shall be submitted along with the Techno-Commercial bid opening.
1.3.5	The Bidder should furnish a Deed of Joint Undertaking (DJU) executed by the Bidder and QGCFM as per the format enclosed in the bidding documents, in which the Bidder and QGCFM are jointly and severally liable to the Employer to perform all the contractual obligations for complete package. The DJU should be submitted along with the Techno-Commercial bid, failing which the Bidder shall be disqualified and its bid shall be rejected.
1.3.6	In case of award, the QGCFM shall be required to furnish an on demand bank guarantee as per the format enclosed with the bidding documents for a value equal to 5% (five percent) or the contract price of the package in addition to the contract performance security to be furnished by the Bidder.
1.4.0	Route 4: R&M Organization in collaboration with QGCFM
1.4.1	The Bidder should be an organization incorporated in India for carrying out Renovation and Modernization (R&M) work of coal fired thermal power plants.
1.4.2	The Bidder who fulfills the requirements at Clause 1.4.1 above should associate/collaborate with a Qualified Gravimetric Coal Feeder Manufacturer, who meets the requirements of clause 1.1.0 above. Further, the Bidder shall source the Reference Package from such QGCFM.
1.4.3	The Bidder should furnish a Deed of Joint Undertaking (DJU) executed by the Bidder and QGCFM as per the format enclosed in the bidding documents, in which the Bidder and QGCFM are jointly and severally liable to the Employer to perform all the contractual obligations for complete package. The DJU should be submitted along with the Techno-Commercial bid, failing which the Bidder shall be disqualified and its bid shall be rejected.
1.4.4	In case of award, the QGCFM shall be required to furnish an on demand bank guarantee as per the format enclosed with the bidding documents for a value equal to 5% (five percent) of the contract price of the package in addition to the contract performance security to be furnished by the Bidder
NOTES FOR TECHNICAL CRITERIA	
	<ol style="list-style-type: none"> 1. "Qualified Gravimetric Coal Feeder Manufacturer" (QGCFM) means a manufacturer meeting requirements stipulated at clause 1.1.0 . 2. The Bidder shall also be considered qualified, in case the award for executing the reference Package (R&M of Control system of Gravimetric Coal feeder) has been received by the Bidder either directly from the owner of plant or from an intermediary organization who has been engaged by the owner. A certificate from such owner of plant or the intermediary organization shall be required to be furnished by the bidder along with its Techno-Commercial bid in support of the Bidder's claim of meeting the qualification requirement as per '1.1.0 or 1.2.0 or 1.3.0 or 1.4.0 above, whichever is applicable. However, certificate for the successful operation of the coal feeder as specified at clause '1.1.0 ' or 1.2.0 or 1.3.0 or 1.4.0 above, whichever is applicable, shall necessarily be issued by the owner of the plant. 3. Wherever the term 'coal fired' is appearing above, "Coal" shall be deemed to also include bituminous coal/brown coal/lignite. 4. The Employer reserves the right to assess and fully satisfy himself regarding capability and capacity of Bidder / its Sub-vendor(s) and the proposed arrangement to perform the contract



	and may prescribe additional requirement before allowing manufacturing of the equipment above for this contract in the overall interest of the Employer.
2.1.0	FINANCIAL CRITERIA:
2.1.1	The average annual turnover of the Bidder, should not be less than Rs 415 lacs (Rupees Four hundred and fifteen lacs only) during the preceding three (3) completed financial years as on the date of Techno-commercial bid opening.
2.1.2	In case the bidder does not satisfy the financial criteria, stipulated at Cl. 2.1.1 above on its own, its holding company would be required to meet the stipulated turnover requirements at Cl. 2.1.1 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 Board Resolution of the holding company, 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.
2.1.3	<p>The Net Worth of the bidder shall not be less than 100% of the bidder's paid up share capital as on the last day of the preceding financial year. In case the Bidder meets 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, 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% of their total paid up share capital. However individually, their Net worth should not be less than 75% of their respective paid up share capitals.</p> <p>Net worth in combined manner shall be calculated as follows:</p> <p>Net worth (combined) = $(X1+X2+X3) / (Y1+Y2+Y3) \times 100\%$</p> <p>Where X1, X2, X3 are individual Net worth which should not be less than 75% of their respective paid-up share capitals and Y1, Y2, Y3 are individual paid-up share capitals</p>
2.1.4	<p>In case the bidder is not able to furnish its audited financial statements on stand-alone 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.</p> <ol style="list-style-type: none"> 1. Copies of the unaudited unconsolidated financial statements of the bidder along with copies of the audited consolidated financial statements of its Holding Company. 2. A 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 of the bidder shall form part of the Audited Consolidated Annual Report of the Holding Company.
2.1.5	In cases where audited results for the last preceding 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 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.
2.2.0	FINANCIAL CRITERIA FOR COLLABORATOR/ASSOCIATE (in case of Bidder participating

	through clause Route 2,3 or 4)
2.2.1	The average annual turnover of the Collaborator/Associates should not be less than Rs 41 lacs (Rupees Forty-One lacs only) during the preceding three (3) completed financial years as on the date of Techno-commercial bid opening.
2.2.2	In case the Collaborator/Associate does not satisfy the average annual turnover criteria above on its own, its Holding Company would be required to meet the stipulated turnover requirements at 2.2 .1 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 Collaborator/Associate would be required to furnish along with bidder's Techno-Commercial bid, a Letter of Undertaking from the Holding Company, supported by Board Resolution of the Holding Company, as per the format enclosed with the bidding documents, pledging unconditional and irrevocable financial support to the Collaborator/Associate to honour the terms and conditions of the Deed of Joint Undertaking in case of award of the Contract to the Bidder with whom Collaborator/Associate is associated.
2.2.3	<p>The Net Worth of each Collaborator/Associate, as on the last day of the preceding financial year as on the date of Techno-commercial bid opening should not be less than 100% (hundred percent) of its paid-up share capital. In case the Collaborator/Associate 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 Collaborator/Associate 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.</p> <p>Net worth in combined manner shall be calculated as follows:</p> <p>Net worth (combined) = $(X1+X2+X3) / (Y1+Y2+Y3) \times 100$</p> <p>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.</p>
2.2.4	<p>In case the Collaborator/Associate is not able to furnish its audited financial statements on standalone entity basis, the unaudited unconsolidated financial statements of the Collaborator/Associate can be considered acceptable provided the Collaborator/Associate further furnishes the following documents for substantiation of its qualification:</p> <ol style="list-style-type: none"> i) Copies of the unaudited unconsolidated financial statements of the Collaborator/Associate, along with copies of the audited consolidated financial statements of the Holding Company of Collaborator/Associate. 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 of Collaborator/Associate.
2.2.5	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, Collaborator/Associate 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 2.1.0 and 2.2.0:

1. 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.
2. Other income shall not be considered for computing annual turnover.
3. "Holding Company" and "Subsidiary Company" shall have the meaning ascribed to them as per Companies Act of India, in vogue.
4. For annual 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.

NTPC Limited eProcurement Portal				
Tender Details				
 NTPC Tenders A Maharatna Company		Date : 16-Aug-2023 10:25 AM		
 Print				
Basic Details				
Organisation Chain	NTPC Limited Corporate Centre USSC CPG-1			
Tender Reference Number	NTPC/USSC-CPG1/9900263554			
Tender ID	2023_NTPC_78679_1			
Tender Type	Open Tender	Form of contract	Works	
Tender Category	Works	No. of Covers	3	
General Technical Evaluation Allowed	Yes [Compliance Required]	ItemWise Technical Evaluation Allowed	No	
Payment Mode	Online	Is Multi Currency Allowed For BOQ	No	
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No	
Payment Instruments		Cover Details, No. Of Covers - 3		
Online Bankers	S.No	Bank Name	Cover No	
	1	SBI Bank		
			Cover	
			Document Type	
			Description	
	1	Fee	.pdf	Bid security / EMD details
			.pdf	Tender Fee details
	2	PreQual/Technical	.pdf	QR- related documents -Attachment -3
			.pdf	attach- 13 MLC declaration (Bidder should clearly indicate whether they are class-I or Class -II)
			.pdf	Technical data sheet
			.pdf	Other documents as per bid
	3	Finance	.xls	Price Bid
Tender Fee Details, [Total Fee in ₹ * - 2,655]		EMD Fee Details		
Tender Fee in ₹	2,655	EMD Amount in ₹	5,00,000	
Fee Payable To	Nil	EMD through BG/ST or EMD Exemption Allowed	No	
Tender Fee Exemption Allowed	No	EMD Fee Type	fixed	
		EMD Payable To	Nil	
		EMD Payable At	Nil	
Click to view modification history				
Work /Item(s)				

Title	UPGRADATION OF SOLID STATE CONTROLLER WITH MICROPROCESSOR BASED				
Work Description	UPGRADATION OF SOLID STATE CONTROLLER WITH MICROPROCESSOR BASED CONTROLLER AND VFD FOR GRAVIMETRIC FEEDERS of NCPS DADRI STAGE - 1				
Pre Qualification Details	As per tender documents				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	0.00	Product Category	Miscellaneous Works	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	120	Period Of Work (Days)	870
Location	Western Region Head QuartersII Plot No. -87, Secto	Pincode	492018	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	Western Region Head QuartersII
Should Allow NDA Tender	No	Allow Preferential Bidder	No		

Critical Dates

Publish Date	16-Aug-2023 12:00 PM	Bid Opening Date	07-Sep-2023 03:00 PM
Document Download / Sale Start Date	16-Aug-2023 12:05 PM	Document Download / Sale End Date	05-Sep-2023 03:00 PM
Clarification Start Date	16-Aug-2023 12:10 PM	Clarification End Date	25-Aug-2023 05:00 PM
Bid Submission Start Date	17-Aug-2023 12:00 PM	Bid Submission End Date	05-Sep-2023 03:00 PM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
		1	Tendernotice_1.pdf	NIT

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
		1	Tender Documents	PDF.rar	Tender doc
	2	BOQ	BOQ_81883.xls	BOQ / Price bid	378.00

View GTE Details

S.No	Particulars	Expected Value	Mandatory
1.0	Do you certify full compliance to all provisions of Bid documents	Yes	Yes

Auto Extension Corrigendum Properties for Tender

Iteration	No. of bids required for bid opening a tender	Tender gets extended to No. of days
1.	1	4
2.	1	4
3.	1	4

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	srikark@ntpc.co.in	J.V.R.Srikar Kale	JAYA VENU RAGAVA SRIKAR KALE
2.	amittiwari@ntpc.co.in	Amit Tiwari	AMIT TIWARI
3.	nchaplot@ntpc.co.in	Narendra kumar Chaplot	NARENDRA KUMAR CHAPLOT
4.	harshmamodia@ntpc.co.in	Harsh mamodia	HARSH MAMODIA

<u>Tender Properties</u>			
Auto Tendering Process allowed	No	Show Technical bid status	No
Show Finance bid status	Yes	Show Bids Details	Yes
BoQ Comparative Chart model	Normal	BoQ Compartive chart decimal places	2
BoQ Comparative Chart Rank Type	L	Form Based BoQ	No

<u>Tender Inviting Authority</u>	
Name	Sr.MANAGER
Address	Western Region Head QuartersII Plot No. -87, Sector-24, Atal RAIPUR 492018

<u>Tender Creator Details</u>	
Created By	J.V.R.Srikar Kale
Designation	Manager
Created Date	16-Aug-2023 10:08 AM