

NTPC LIMITED
(A Government of India Enterprise)



BIDDING DOCUMENTS

FOR

Replacement of SG & Common
Control System of Sipat STPS
Stage-I (3 x 660 MW)

SECTION- I, II, III, IV, **V, VI & **VII****

BIDDING DOCUMENT NO.: CS-9518-428-9

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(This document is meant for the exclusive purpose of bidding against this Bid Document No. / Specification and shall not be transferred, reproduced or otherwise used for purposes other than that for which it is specifically issued).

BIDDING DOCUMENTS
FOR
Replacement of SG & Common Control System of Sipat STPS Stage-I (3 x
660 MW)
BID DOCUMENT NO.: CS-9518-428-9

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(Bid Form along with Attachments)
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Acronyms

BDS	Bid Data Sheet
CIF	Cost, Insurance and Freight
CIP	Carriage and Insurance paid to (place)
CPM	Critical Path Method
EDI	Electronic Data Interchange
EXW	Ex factory, ex works or ex warehouse
FCA	Free Carrier
FOB	Free on Board
FOR	Free on Rail / Road
FP	Forms & Procedures
GCC	General Conditions of Contract
ICC	International Chamber of Commerce
IFB	Invitation for Bids
ITB	Instructions to Bidders
SCC	Special Conditions of Contract
TS	Technical Specifications and Drawings
UNCITRAL	United Nations Commission on International Trade Law INCOTERMS International Rules for Interpreting Trade Terms DISCOMS Electricity Distribution Companies
GST	Goods and Services Tax
C-Folder	Collaboration Folder of E-Tender Portal

Note : The terms EXW, CIF, etc. shall be governed by the rules prescribed in the current edition of INCOTERMS, published by the International Chamber of Commerce, 38, Cours Albert Ler, 750008, Paris, France.

SECTION - I

INVITATION FOR BIDS (IFB)

NTPC Limited
(A Government of India Enterprise)
(CORPORATE CONTRACTS, NOIDA)

INVITATION FOR BIDS (IFB)

FOR

Replacement of SG & Common Control System of Sipat STPS Stage-I (3 x 660 MW)
(Domestic Competitive Bidding)

Tender ID: 2024_NTPC_83059_1

Date: 18.01.2024

Bidding Document No: CS-9518-428-9

1.0 NTPC Limited invites on-line bids on **Single Stage Two Envelope Basis (i.e. Envelope-I: Techno-Commercial and Envelope-II: Price)** from eligible Bidders for **Replacement of SG & Common Control System of Sipat STPS Stage-I (3 x 660 MW)**, as per the scope of work briefly mentioned hereinafter.

2.0 Brief Scope of Work

Design, Engineering, Re-engineering, Manufacturing, Refurbishment/Retrofitting, Fabrication, Assembly, Inspection and Pre-shipment Testing at supplier's works, Packing for transportation, Supply, Port Clearance, Port Handling & Port Charges, if any, forwarding to site, Inland transportation for delivery at site, inland transit insurance, unloading & Storage at site, installation, interconnection with related plant and equipment, calibration, testing, commissioning and putting the Control and Instrumentation System together with all accessories, auxiliaries and associated equipment, Performance & Guarantee test and handing over to the Employer complete Control and Instrumentation System comprising of:

- SG DDCMIS for control monitoring and operation of main plant equipments comprising of SG-C&I (BMS/FSSS, APDS, SBC etc) of Unit.
- COMMON DDCMIS for control, monitoring and operation of common equipments at Compressor House (IAC/PAC and mill reject system Compressors).
- FOPH DDCMIS for control, monitoring and operation of common equipments at Fuel oil pump house.
- HMI (for SG DDCMIS, COMMON DDCMIS and FOPH DDCMIS) and SG-Station LAN.
- Master Slave clock system.
- Cyber Security Suite for DDCMIS with associated hardware and software.
- Upgrade/Update of all DDCMIS system along with SG Station LAN in the penultimate year of AMS
- Measuring Instruments like Temperature transmitters, etc.
- LT Power cables, LT Control Cables, Instrumentation cables and optical fibre cables
- Control Panels, furniture etc.
- Special Tools and Tackles
- Mandatory Spares

This scope shall also include dismantling of Employer's assembled equipment/systems at site, 3 years AMS for DDCMIS and 75 Man-days of training for employer's personnel etc. as per the specification and scope defined in the bidding documents.

- 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 Government e-procurement portal of NIC (GePNIC) at website- <https://eprocurmentpc.nic.in/> and as per the following schedule:

Issuance of IFB	18.01.2024
Documents Download Dates and Time	From 18.01.2024
Last date for receipt of queries from bidders (if any) *	01.02.2024
Bid (both Techno-Commercial and Price) receipt date & time	Up to 15.02.2024 by 1500 hrs. (IST)
Date & Time for opening of Envelop-I (Techno-Commercial bid)	16.02.2024 at 1500 hrs. (IST)
Date & Time for opening of Envelop-II (Price bid)	Shall be intimated after opening of Techno- Commercial Bid.
Cost of Bidding Documents in INR	INR 11,250.00

*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 Bid security for an amount of INR **50,00,000/-** (Indian Rupees Fifty Lakhs only) in the form as stipulated in 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

- 5.1** Acceptable Tender Fee payment proof shall be uploaded by all the bidder in the "Fee Cover" at the GePNIC Portal.
- 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**.

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 purchased by one intending Bidder to another is not permissible.

11.0 Downloading/Issuance of Bidding Documents to any bidder 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) for the subject package 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

Manager (CS)/ AGM (CS)

NTPC Limited

Plot A-8A, Sector 24, Noida-201301

State of U.P. India

Contact: 0120-4946556/6522

e-mail : vivekanandk@ntpc.co.in / bmandal@ntpc.co.in

Websites : <https://eprocurmentpc.nic.in/> or
www.ntpctender.com 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

**APPROVED QUALIFYING REQUIREMENT FOR “REPLACEMENT OF
SG & COMMON CONTROL SYSTEM OF SIPAT ST-1 (3 X 660 MW)”**

ANNEXURE-IA

In addition to the requirements stipulated in section Instructions to Bidder (ITB), the Bidder should also meet the qualifying requirements stipulated under clause 1.0 and 2.0 indicated below.

1.0 TECHNICAL CRITERION:

The Bidder should have **Engineered, Manufactured, Supplied, Erected/Supervised Erection & Commissioned/Supervised Commissioning** of Distributed Digital Control, Monitoring & Information system (DDCMIS) / Distributed Control System (DCS), whose control system is either same or of the same series as being offered for this package & which should have been in successful operation in at least one (1) unit of coal fired station having unit rating of 200 MW or above for a period of not less than one (1) year prior to the date of Techno-Commercial bid opening.

The control system above should necessarily include following as a minimum,

- a) Burner Management System (BMS)
- b) Boiler Protection

2.0 FINANCIAL CRITERION:

- a) 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 **Rs 170 Million only (Indian Rupee One Hundred and Seventy Million only)**.

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.

APPROVED QUALIFYING REQUIREMENT FOR “REPLACEMENT OF SG & COMMON CONTROL SYSTEM OF SIPAT ST-1 (3 X 660 MW)”

- b) The Net Worth of the Bidder as on the last day of the preceding financial year should not be less than 100% (hundred percent) of its 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 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:

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

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.

- c) 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:

- (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 in the bid documents, stating that the unaudited unconsolidated financial statements form part of the consolidated annual financial statements of the Holding Company.

In case 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 practicing Chartered Accountant certifying its financial parameters, the audited results of the 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 bid documents stating that the financial results of the Company are under audit as on the date of Techno-

**APPROVED QUALIFYING REQUIREMENT FOR “REPLACEMENT OF
SG & COMMON CONTROL SYSTEM OF SIPAT ST-1 (3 X 660 MW)”**

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

NOTES:

- (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.

BRIEF SCOPE OF WORK

Design, Engineering, Re-engineering, Manufacturing, Refurbishment/Retrofitting, Fabrication, Assembly, Inspection and Pre-shipment Testing at supplier's works, Packing for transportation, Supply, Port Clearance, Port Handling & Port Charges, if any, forwarding to site, Inland transportation for delivery at site, inland transit insurance, unloading & Storage at site, installation, interconnection with related plant and equipment, calibration, testing, commissioning and putting the Control and Instrumentation System together with all accessories, auxiliaries and associated equipment, Performance & Guarantee test and handing over to the Employer complete Control and Instrumentation System comprising of:

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