

NTPC LTD
Central Procurement Cell, EOC, NOIDA
**VENDOR ENLISTMENT FOR O&M WORKS PACKAGE ON PAN NTPC
BASIS**

1	CEG No.	EC-01
2	Brief description of CEG	Maintenance of Combined Electrical and C&I Areas of Power Plant
3	Responsibility Centre	CPC
4	Brief scope of work (Indicative)	<p>Scope of work generally covers Routine checks, Shift Maintenance, Preventive Maintenance, Breakdown Maintenance, Testing and Upkeep of Electrical /C&I equipment's as per instruction of Engineer in charge. In general attending running complaints of the following, excluding overhauls on round the clock basis for Electrical & C&I systems of Main plant- SG & TG /Offsite/AHP/CHP/BOP.</p> <p>ELECTRICAL ITEMS UNDER MAIN PLANT SG/TG/OFFSITE/BOP INCLUDING AHP, CHP, TRANSMISSION LINES OF AWRS</p> <ol style="list-style-type: none"> 1. HT & LT MOTOR 2. HT & LT SWITCH GEAR 3. ESP, SOOT BLOWER, ACTUATOR 4. DC SYSTEM, BATTERY, HOIST, EOT, LIFT, VFD 5. GENERATOR & AUXILIARY 6. POWER & DISTRIBUTION TRANSFORMER (OIL FILLED & DRY TYPE) 7. SWITCH YARD EQUIPMENTS 8. LIGHTING, CABLING, EWS, STORES, DG SET, PA SYSTEM, AC <p>C&I Area of Work: Main Plant SG & Aux, TG & Aux, CHP, AHP and BOP. (a)Main plant & its auxiliary's s include the below mentioned Systems and Equipment:</p> <ol style="list-style-type: none"> 1. Burner Management System & related systems. 2. ID, FD & PA Fans and its associated auxiliaries 3. Chimney related Instruments 4. Mills, Bunkers and Coal Feeders and its auxiliaries 5. Acoustic Steam Leak Detector, Acoustic Pyrometer. 6. Variable Frequency Drives 7. Turbine, Generator and its Auxiliaries. 8. H2 DRYER. 9. MD BFP & TD BFPs & HPHs. 10. SWAS / CPU. 11. Condensate System, CEPs and LPHs. 12. Feed water and Steam Cycle. 13. Air & Flue Gas Path. 14. HPBP / LPBP SYSTEM. 15. UPS & CHARGERS. 16. AIR COMPRESSORS (IAC, SAC, TAC, Mill Reject). 17. DDCMIS system. 18. PLC control system. 19. CCTV system. 20. Batteries and accessories. 21. Gas Analysers. 22. Fire Detection System. 23. Pneumatic & Hydraulic Actuators/Power cylinders. 24. Wireless Networks.

(b)Area of Work: COAL HANDLING PLANT (CHP).

1. Conveyors & related system.
2. Crushers house and its associated auxiliaries.
3. Mobile belt feeders Instruments.
4. Stacker Reclaimer.
5. Tripper.
6. Wagon tippler.
7. Dust suppression and extraction system.
8. Fire detection & control system.
9. Belt weighers.
10. Air compressor.
11. Coal sampling unit.
12. CHP control room.
13. Scoop control systems.
14. Weigh Bridge.
15. UPS, CHARGERS & Batteries.
16. DDCMIS system.
17. Wireless Networks.
18. Belt weigher feeders
19. Pumps (Oil& Water)
20. Vibrating Screens
21. Metal detectors. (MD)
22. Metal separators(SM).
23. Inline magnetic separator (ILMS)
24. PLC control system.
25. SIDE ARM CHARGERS.
26. APRON FEEDERS

(c) Area of Work: Ash Handling plant (AHP)

AHP includes the below mentioned Systems and Equipment's:

1. Water systems (BAHP, BALP, FAHP etc)
2. Ash slurry systems and its instrumentation.
3. Vacuum pumps and its instrumentation.
4. Instrument air compressors and driers.
5. Transport air compressors and driers.
6. Bottom ash disposal systems.
7. ESP hoppers ash evacuation systems.
8. Ash silo and its instrumentation.
9. Ash water recirculation systems.
10. HCSD.
11. UPS, CHARGERS & Batteries.
12. DDCMIS system.
13. PLC control system
14. Wireless Networks.

(d)Area of Work: BALANCE OF PLANT (BOP)

BOP includes the below mentioned Systems and Equipment:

1. De Mineralization Plant
2. Pre-Treatment Plant
3. Effluent Treatment Plant.
4. CW Treatment Plant
5. Chlorination system for CW.
6. Raw water Pump Houses (Instrumentation part)
7. CW PUMP house.
8. Fuel Oil Pump House
9. Hydrogen Plant
10. AC & Ventilation system (Instrumentation part)
11. Air compressor system.
12. CPU Regeneration.
13. Fire water pump House.
14. MAKE UP water system.

		<p>15. Aux Boiler. 16. Analysers 17. UPS, CHARGERS & Batteries. 18. DDCMIS system. 19. PLC control system 20. Wireless Networks</p> <p>Other details of work shall be as per tender documents.</p>
5	Qualifying Requirements	<p>A. TECHNICAL CRITERIA</p> <ol style="list-style-type: none"> 1. The bidder should be A Class Electrical Contractor or A Class Electrical Licence holder. 2. The bidder should have executed the similar works in India during the preceding Five (5) years reckoned as on date of submission of application <p>Similar works is as explained in the following paragraphs and is in combination given hereunder:</p> <p>Works in following combinations:</p> <p>(A1 and A2 and A3) or (A1 and A2 and B3) or (A1 and B2 and A3) or (A1 and B2 and B3) or (A2 and B1 and A3) or (A2 and B1 and B3) or (B1 and B2 and A3) or (B1 and B2 and B3) or (C1 and C2) or (C3)</p> <p>Notations as above are explained below:</p> <p>A1 Maintenance of Electrical equipment / Installations comprising of any three of the following with voltage class 3.3 KV or above in Electrical Power Generating unit of capacity 200 MW or above for a period of 2 years or higher in a single contract or in multiple contract (period of contract should be minimum 1 year)</p> <ol style="list-style-type: none"> (i) Power Transformers (ii) Switchgears (iii) Electrical rotating machines (iv) Power supply / cabling system <p>A2 Maintenance of Switchyard and associated equipment of voltage level 220 KV or above in Electrical Power Generating unit of capacity 200 MW or above for a period of 2 years or higher in a single contract or in multiple contract (period of contract should be minimum 1 year)</p> <p>A3 Maintenance of Control and Instrumentation (C&I) Systems comprising C&I of Steam Generator (SG) and auxiliaries OR Turbine Generator (TG) and auxiliaries OR Station C&I in Electrical Power Generating unit of capacity 200 MW or above for a period of 2 Years or higher in a single contract or in multiple contract (period of contract should be minimum 1 year)</p> <p>B1 Erection and Commissioning of Electrical equipment/Installations comprising of any Three of the following with voltage class 3.3 KV or above in two Electrical Power Generating unit of capacity 200 MW or above</p> <ol style="list-style-type: none"> (i) Power Transformers (ii) Switchgears

- (iii) Electrical rotating machines
- (iv) Power supply / cabling system

B2 Erection and Commissioning of Switchyard and associated equipment of voltage level 220 KV or above in two Electrical Power Generating unit of capacity 200 MW or above.

B3 Erection and Commissioning of Control and Instrumentation (C&I) Systems comprising C&I of Steam Generator (SG) and auxiliaries OR Turbine Generator (TG) and auxiliaries OR station C&I, in two Electrical Power Generating unit of capacity 200 MW or above

C1 Complete maintenance contract of Electrical equipment/Installations in two Electrical Power Generating unit of capacity 200 MW or above for a period of 2 years or higher in a single contract or in multiple contract (period of contract should be minimum 1 year)

C2 Complete maintenance contract of Control & instrumentation equipment/ Installations in two Electrical Power Generating unit of capacity 200 MW or above for a period of 2 Years or higher in a single contract or in multiple contract (period of contract should be minimum 1 year)

C3 Complete maintenance contract of BTG/Station for Electrical and C&I including Power Transformer & Switchyard, in two Electrical Power Generating unit of capacity 200 MW or above for a period of 2 years or higher in a single contract or in multiple contract (period of contract should be minimum 1 year)

NOTE:

1. In case of sub criterion at A1 & B1 ,the execution of three areas out of the four (Power Transformers, Switchgears, Electrical rotating machines, Power supply / cabling system) may be in single work order or multiple work orders.

B. FINANCIAL CRITERIA:

1.0 Net worth of the bidder as on the last day of the preceding financial year (reckoned as on date of submission of application) should not be less than 100% of the 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 Subsidiary(ies) 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.

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.

2.0 In case the Bidder is not able to furnish its audited financial statements on stand-alone entity basis, the unaudited unconsolidated financial statements of

		<p>the Bidder can be considered acceptable provided the Bidder further furnishes the following documents for substantiation of its qualification.</p> <p>(i) Copies of the unaudited unconsolidated financial statements of the Bidder along with copies of the audited consolidated financial statements of its Holding Company.</p> <p>(ii) A Certificate from the CEO/CFO of the Holding Company, stating that the unaudited unconsolidated financial statements form part of the Consolidated Annual Financial Statements of the Holding company.</p> <p>In cases where audited results for the last financial year as on date of submission of application 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 stating that the Financial results of the Company are under audit as on the date of submission of application and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.</p> <p>Notes for Clause 1.0 of Financial Criteria above:</p> <p>(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.</p> <p>(ii) Other income shall not be considered for arriving at annual turnover.</p>
6	Document to be submitted by Vendor in support of meeting QR	Relevant and legible PO copies with detailed scope of work, terms and conditions, BOQ and Client's Completion Certificates /RA bill/Final Deviation Statement for the work executed and other certificate/documents as mentioned elsewhere.

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CEG No.		EC-01
7	Additional Documents to be submitted	<p>Other Documents to be submitted:</p> <p>In addition to the documents required in support of meeting technical requirements as stated above, following documents are required to be submitted by the Applicants applying for enlistment: -</p> <ol style="list-style-type: none"> 1. Audited balance sheets including Profit & Loss statements for the previous three completed financial years. In case the audited documents are not ready / available, then certified copy by a registered practicing Chartered accountant may be submitted. 2. NSIC / Udyam / SSI / MSME registration certificate, if any. 3. PAN, PF and GST registration certificates 4. Any other documents in addition to the above which the applicant wants to submit. <p>NTPC can ask other documents as necessary during evaluation.</p>
8	Special Terms & Conditions	<ol style="list-style-type: none"> 1. Please refer special terms & conditions (STC) of enlistment available at CPC portal vendor.ntpc.co.in. In addition to above vendors are requested to refer Special Conditions attached at Annexure-I. 2. Vendors shall be enlisted for period of three years from the date of uploading of list on website, subject to fulfilment of the terms & conditions. 3. The word "executed" means the bidder should have achieved the criteria specified in the QR, even if the total contract is not completed/closed. In case of contracts under execution as on date of submission of application, the period of work executed against such contract/order till date of submission of application will be considered provided the period of contract to be considered in such cases should be minimum 1 year. Further, the work which started before the QR period and completed within QR period, then full period of the contract shall be considered.
	NOTES:	Vendors are requested to fill up the Format attached at Annexure-II and upload it in the page "Technical information" under the tab "QR Documents"

	STC Clause Ref.	Special Conditions
<p>The following Special Conditions shall supplement/amend the Special Terms & Conditions (STC) uploaded in the CPC portal. Wherever there is a conflict, the provisions in special Conditions shall prevail over those in the STC. The corresponding clause number of the STC is indicated in parentheses.</p> <p>CEG Number : EC- 01</p> <p>NAME OF ENLISTMENT PACKAGE : Maintenance of Combined Electrical and C&I Areas of Power Plant</p>		
SL No.	Name of Clause	Description of Clause
1.	SELECTION OF ENLISTED VENDORS FOR ISSUING TENDER ENQUIRY STC Clause No 13.0	<p>Replace existing STC Clause 13.0 with the following :</p> <p>SELECTION OF ENLISTED VENDORS FOR ISSUING TENDER ENQUIRY</p> <p>Applicable for Mega Contract with cost estimate for CEGs above Rs 4 Crore (>4 Cr)</p> <p>Average annual turnover (AATO) of the vendors will be recorded in the system for selection of the enlisted Vendors for issuing tender enquiry as defined below:</p> <p>(i) Completion Period upto 1 year Vendors having AATO >= EC</p> <p>(ii) Completion Period >1 year Vendors having AATO >= EC*12/CP</p> <p>Where AATO is annual average turnover, EC is estimated cost and CP is completion period.</p> <p>Note: Other income ,if separately shown in P&L, shall not be considered for arriving at Annual Turnover</p>
2.	OFFLINE DOCUMENTS STC Clause No 20.0	<p>Replace existing STC Clause 20 with the following</p> <p>Vendor has to send hard copy of following documents in original, in the format given on the home page of website so as to reach the concerned responsibility centre.</p> <p>i. Letter of Undertaking (to be executed on non-judicial stamp paper of Rs. 100/-)</p> <p>ii. Power of Attorney (to be executed on non-judicial stamp paper of Rs. 100/-)</p> <p>Original Letter of Undertaking and Power of Attorney duly signed are to be sent by speed / registered post/ courier on stipulated address so as to reach within fifteen days of submitting the application. Digitally signed/signed & scanned soft copies of the aforesaid documents shall be uploaded in the CPC portal i.e. vendor.ntpc.co.in</p> <p>The envelope containing the Letter of Undertaking & Power of Attorney shall be</p>

	STC Clause Ref.	Special Conditions
3.	<p>EVALUATION CRITERIA & PROCESSING OF APPLICATIONS (STC Clause 21.3)</p>	<p>super scribed as follows:</p> <p>“Letter of Undertaking” & “Power of attorney” for Vendor Enlistment MEG / CEG: Responsibility Centre: From----- (Name of company)</p> <p>Replace STC Clause no 21.3 (Mapping of data of enlisted vendors) with the following</p> <p>Average annual turnover will be mapped against each technically qualified vendor. The vendor has to submit financial details and upload supporting documents which shall be the basis for ascertaining their financial capability as per laid down policy of the company. Presently no pre determined financial criteria (Average Annual Turnover) is being stipulated.</p> <p>However, all applicants have to upload necessarily the following documents:</p> <p>i) Average Annual Turnover (AATO): Balance sheet and Profit & loss account for last three completed financial years reckoned from the date of submission of application.</p> <p>Audited Balance sheet and Profit & Loss statement of the company giving annual sales turn over during preceding three completed financial years reckoned from the date of submission of application for enlistment, has to be furnished. In case where the audited results of the last preceding financial year are not available, certification of financial statements from a practicing Chartered Accountant may be considered acceptable.</p> <p>From this, Average Annual Turnover (AATO) of the company shall be worked out and shall be recorded against the CEG for the enlisted vendors. This will be the eligibility limit for Average Annual Turnover of the respective enlisted vendor for sending tender enquiry later (but during the validity period of enlistment only)</p> <p>Selection of enlisted vendors for sending tender enquiry:</p> <p>When actual requirement emerges, based on the estimated cost and completion period required, selection of eligible vendors from amongst enlisted vendors shall be done as mentioned at Sl. No 1.0 above.</p>

ANNEXURE-II

Format to be filled by the Vendor/Bidder and upload it under the tab “QR Documents”

A) To satisfy the Technical Criteria specified in Qualifying requirement (QR), We give below the following details :

Sl. No	Description	Remark
1.	The bidder should be A Class Electrical Contractor or A Class Electrical Licence holder	YES /NO <i>(Relevant document to be uploaded under the tab “QR Documents”)</i>
2.	The bidder should have executed the similar works in India during the preceding Five (5) years reckoned as on date of submission of application Bidder has to mention works combination under which bidder is meeting technical qualification criteria (In this regard, detailed QR may be referred) Works in following combinations: (A1 and A2 and A3) or (A1 and A2 and B3) or (A1 and B2 and A3) or (A1 and B2 and B3) or (A2 and B1 and A3) or (A2 and B1 and B3) or (B1 and B2 and A3) or (B1 and B2 and B3) or (C1 and C2) or (C3)	YES /NO <i>Upload the documents of Executed Work order in the page “Technical information” under Tab “Upload PO” and its execution proof/completion certificate etc in the same order (i.e. as per work order) under the tab “Bill/Deviation/Completion Certificate” in a single compiled pdf</i> <i>(as per work combination mentioned above)</i>

B) To satisfy the financial Criteria specified in Qualifying requirement (QR), We give below the following details:

We hereby confirm that net worth of our company as on the last day of the preceding financial year is not less than 100% of its paid-up share capital.
The Details are as under:

Sl. No	Description	As on last day of the preceding financial year
1.	Paid-up Share Capital	
2.	Net Worth	
3.	%age of Net worth to Paid-up Share Capital	
4.	Documentary evidence like Audited Financial statements (Balance sheet & Profit loss statement) for the preceding financial year in support of above is enclosed	YES / NO <i>(Upload the documents in the page "Financial information" under Tab "Choose file")</i>

Additional financial data

Sl.No	Financial Year*	Amount in Rs.
1.	2018 – 2019*	
2.	2019 – 2020*	
3.	2020 – 2021*	
4.	Average Annual Turnover for the preceding three (3) Financial Years as on date of submission of application	
5.	We have enclosed Audited financial statements (Balance sheet & Profit loss statement) for the preceding three (3) financial years	YES / NO <i>(Upload the documents in the page "Financial information" under Tab "Choose file")</i>

- *Preceding 3 financial year is from the date of submission of application*