

NTPC LTD

Vendor Development Cell, CPG-1, Raipur

Subject : Qualifying Requirement for Vendor Enlistment for CEG “SINGLE ELECTRICAL CONTRACT IN NTPC PLANT” (CAT-2)

A	CEG Details		
		CEG No.	EMD-99
		CEG DESCRIPTION	SINGLE ELECTRICAL CONTRACT IN NTPC PLANT
		RESPONSIBILITY CENTRE	CPG-1/ VDC
B	TECHNICAL CRITERIA OF QR: 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. Similar works is as explained in the following paragraphs and is in Combination given hereunder: Works in following combinations: (A1 and A2) or (A1 and B2) or (A2 and B1) or (B1 and B2) or (C1) Notations as above are explained below: 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) (i) Power Transformers (ii) Switchgears (iii) Electrical rotating machines (iv) Power supply / cabling system 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>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> <ul style="list-style-type: none"> (i) Power Transformers (ii) Switchgears (iii) Electrical rotating machines (iv) Power supply / cabling system <p>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.</p> <p>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)</p> <p>NOTE:</p> <p>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.</p>
C	<p>FINANCIAL CRITERIA</p> <p>1. 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.</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>

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

2. 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 bidding documents, stating that the unaudited unconsolidated financial statements form part of the Consolidated Annual Report of the company.

3. 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.

Notes for Clause 1.0 of Financial Criteria above:

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

		<p>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>2. Other income shall not be considered for arriving at annual turnover.</p>
D	Document to be submitted by Vendor in support of meeting QR Document	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.
E	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>
F	Special Terms & Conditions	<ol style="list-style-type: none"> 1. Please refer special terms & conditions (STC) of enlistment available at VDC portal vendor.ntpc.co.in. 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.
G	NOTES	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.

		After enlistment, the enlisted bidders whose AATO (i.e. Average Annual Turnover) is more than the estimate shall be considered for issuance of tender enquiry.
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SCOPE OF WORKS

1. Overhauling/ Preventive and Breakdown Maintenance of HT/LT Motors including alignment / centering of rotor of HT Motors
2. Repair/ Varnishing and Replacement of defective parts of HT/LT Motors
3. Replacement of a defective HT/LT motor with spare motor issued by owner.
4. LV/MV/HV Cables Laying - Cables transporting, laying in new /existing cable trays, trays in trenches, underground, cable galleries, pipes, ducts with proper cleaning, saddling, supporting etc., cables termination, Cables jointing, cable fault detection, cables dressing, cables dismantling, cable tray replacement / cleaning, Cable tagging.
5. Daily (cleaning and checking), monthly, quarterly, and annual Preventive maintenance & breakdown maintenance and related testing of Switchyard equipment's like: -
 - a) 400KV & 220 KV SF6 breakers
 - b) Shunt reactors
 - c) 33 KV & 11KV breakers (including support work for O/H of breakers)
 - d) EHV & HV bus bars
 - e) Lightning arrestors & Wave trap
 - f) Isolators & Earthing switches (including dismantling and re-erection)
 - g) Relay and control panels
 - h) Earthing system checking and rectification for individual equipment's as well as earthing pit & mat.
6. Overhauling/ Preventive Maintenance/ Breakdown Maintenance/ replacement of Power / Distribution Transformers, processing of transformer oil filtration, replacement of Gaskets, Bolts and Nuts, Breather, Bushings, Studs, valves etc.
7. Electrical Maintenance/OH of Power Plant HT/LT Switchgear / Motorized Actuators / Battery and Battery Chargers / DCDB / Window/Split AC / Lighting Maintenance & Street Lighting / Electrical Shift Maintenance Jobs / EOT Crane & Hoist
8. Electrical Maintenance/OH of Auxiliaries of Turbine, Generator, Boiler & ESP, VFD, , Package A/C System, FGD
9. Electrical Maintenance/OH of Fire Fighting, Hydrogen Plant, DM Plant, MWPH, CW & CT Plant, ETP, AHP and 11kV Pole Mounted Sub Station, Electrical Equipment's of CHP
10. Daily monitoring and maintenance of solar roof top systems shall also be carried out after discussion with EIC. The module washing shall be carried out on weekly basis / as per EIC instruction. Required mop and wiper shall be supplied by the agency. Support for any breakdown shall also be provided. Support as required from time to time for maintaining availability, scheduled and preventive maintenance, replacement of any equipment's in the plant including defective PV Modules, Inverters, cables, etc and maintaining daily, monthly log sheets for operation detail shall also be provided and activities shall be finalized in discussion with EIC.
11. Scope also includes String current monitoring on weekly basis, Open Circuit Voltage (Voc) on monthly basis, regular inverter checks and PM, module tilting twice a year, supplying log books/stationery, attending breakdowns, maintaining module washing system including pipes and pumps etc, supplying consumables, sim card data recharging for remote monitoring system. Party to arrange/provide required T&Ps for the work.