

NTPC LTD

CPG-1/VDC Raipur

Sub: Qualifying Requirement (QR) for Vendor Enlistment for “Single Electrical Contract in NTPC Plant (Category-1)”

A)	CEG DETAILS		
	1.0	CEG NO.	EMD-10
	2.0	CEG DESCRIPTION	Single Electrical Contract in NTPC Plant
	3.0	CEG RESPONSIBILITY	VDC
B)	<p>A. TECHNICAL CRITERIA</p> <p>1. The bidder should be Class A Electrical Contractor or Class A Electrical License holder or having valid Electrical License issued by any State Government .</p> <p>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> <p>Similar works is as explained in the following paragraphs and is in Combination given hereunder:</p> <p>Works in following combinations: (A1 and A2) or (A1 and B2) or (A2 and B1) or (B1 and B2) or (C1)</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> <ul 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>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>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.</p>	
D)	<p>Documents to be submitted to find executed value of orders:</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> <p>1. Three (3) POs of the highest executed values of similar work (see definition at point E:Note- 1 below) during previous five (5) years from the date of application. Client's Completion Certificates /RA bill/Final Deviation Statement for the work executed from the concerned buyer/s in support of successful execution of the work against the POs to be submitted, duly certified and verified for authenticity from Independent Statutory Auditor of their Company or specified Third-Party Inspection Agency (TPIA). No certification & verification is required for documents pertaining to NTPC Limited & its Subsidiaries. These will be required for calculation of execution capability.</p> <p>For further details on Specified Third-Party Inspection Agencies (TPIA), you may please refer STC (Standard Terms & Conditions for Enlistment) Rev02 on VDC PORTAL.</p> <p>2. Audited balance sheet including Profit & Loss statement with UDIN No. for the previous three (3) completed financial years reckoned from the date of application. In case where the audited results for the last financial years as on the date of application are not available, the financial result certified by a practicing Chartered accountant shall be considered acceptable.</p> <p>3.GSTIN certificate, PAN, Power of attorney, Letter of undertaking ,works information etc as mentioned in enlistment application pages of website www.vendor.ntpc.co.in</p> <p>4. NTPC can request for other documents as necessary during the course of evaluation.</p>	
E)	NOTE-1	Similar works means: "Operation or and Maintenance or and Erection & commissioning of Electrical items in Industry ".
	NOTE-2	The executed value means Basic value of quantity of similar works executed/supplied against the reference PO (also applicable to partly executed POs as on date of application). Where PO value is composite (i.e., including Taxes etc.), the applicant to give item-wise break-up of Composite PO value mentioning Basic Value, Taxes etc.
F)	Scope of Work	Attached
G)	Category of Enlistment	Category 1 Enlistment (Upto 04 Cr)

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.