

NTPC LTD
CORPORATE OPERATION SERVICES, EOC, NOIDA
VENDOR ENLISTMENT FOR O&M WORKS PACKAGE ON PAN NTPC BASIS

1	CEG No.	EMD: 05
2	Brief description of CEG	<p>Works I : Electrical Maintenance/OH of Power Plant LT systems / Motorized Actuators / Battery and Battery Chargers / DCDB / Window/Split AC / Lighting Maintenance & Street Lighting / Electrical Shift Maintenance Jobs / EOT Crane & Hoist</p> <p>Works II : AMC for Electrical Maintenance/OH of Auxiliaries of Turbine, Generator, Boiler & ESP, VFD, EOT Cranes, Package A/C System, HT switchgear</p> <p>Works III: ARC for Electrical Maintenance/OH of Fire Fighting, Hydrogen Plant, DM Plant, MWPH, CW & CT Plant, ETP, AHP and 11kV Pole Mounted Sub Station, ARC for Electrical Equipments of CHP.</p>
3	Responsibility Centre	WRHQ-II
4	Brief scope of work	<p>Works I:</p> <ol style="list-style-type: none"> 1. Routine / Preventive/ Breakdown / Overhauling maintenance of LT electrical switchgear / motorised actuator / battery and battery chargers in thermal power plants. 2. Routine / Preventive/ Breakdown / Overhauling maintenance of thermal power plant lighting and street lighting 3. Routine / Preventive/ Breakdown / Overhauling maintenance electrical cranes and hoists window/split AC etc. 4. All kinds of shift electrical maintenance works in thermal power plant. 5. Proper safety measures, housekeeping during and after the work. 6. All necessary tools and tackles to be arranged by contractor. <p>Other details shall be given in subsequent tender documents.</p> <p>Works-I I:</p> <ol style="list-style-type: none"> 1. Periodic Physical (Monthly) Checking of Equipments 2. Routine / Preventive/ Breakdown / Overhauling maintenance of Equipments (Motors & Transformers) as per Schedule 3. Routine / Preventive/ Breakdown / Overhauling maintenance of HT Motors and Breakers 4. Routine / Preventive/ Breakdown / Overhauling maintenance of HT Switchgear 5. Routine / Preventive/ Breakdown / Overhauling maintenance of Hoist and EOT Crane 6. Routine / Preventive/ Breakdown / Overhauling maintenance & Filtration of Transformer 7. Assistance in Shift Maintenance (SW, SSW,USW) 8. Assistance in Breakdown / Emergency Works 9. Taking Reading in ESP Area

		<p>10. Routine / Preventive/ Breakdown / Overhauling maintenance Jobs of LT Motors & Modules</p> <p>11. Routine / Preventive/ Breakdown / Overhauling maintenance in ESP Area</p> <p>12. Routine / Preventive/ Breakdown / Overhauling maintenance of LT Transformer</p> <p>13. Overhauling equipments of ESP Area</p> <p>14. Daily/Weekly/Monthly Checking of various Battery Banks</p> <p>15. Routine / Preventive/ Breakdown / Overhauling maintenance of Battery Banks</p> <p>16. Capacity Test of Battery Bank</p> <p>17. Routine / Preventive/ Breakdown / Overhauling maintenance of ESP Rectifier Transformer</p> <p>18. Assistance in maintenance of VFD</p> <p>19. Routine / Preventive/ Breakdown / Overhauling maintenance MCC (0.4 kV) & Daily Monitoring</p> <p>Other Misc. Works, if any, shall be mentioned in subsequent tender document.</p> <p>Works- III:</p> <ol style="list-style-type: none"> 1. Routine / Preventive/ Breakdown / Overhauling maintenance of HT Motors 2. Routine / Preventive/ Breakdown / Overhauling maintenance of LT Motors 3. Routine / Preventive/ Breakdown / Overhauling maintenance of LT Switchgear (0.4 kV) 4. Routine / Preventive/ Breakdown / Overhauling maintenance of HT Switchgear (6.6 kV)/11kv 5. Routine / Preventive/ Breakdown / Overhauling maintenance of CHP Equipments – Stacker / Reclaimer, Travelling Tripper, Paddle Feeders, Protection Panel, Magnetic Separator / Metal Detector System, Pull Chord / BSS / ZSS 6. Routine / Preventive/ Breakdown / Overhauling maintenance of Fire Fighting Alarm System including Cable 7. Routine / Preventive/ Breakdown / Overhauling maintenance of Electric Hoist 8. Routine / Preventive/ Breakdown / Overhauling maintenance of LT Transformer (2500 kV) 9. Assistance in Shift Maintenance (SW, SSW,USW) 10. Assistance in Breakdown / Emergency Works 11. Routine / Preventive/ Breakdown / Overhauling maintenance Street Light and Lighting Mast / Towers 12. Laying / replacement of HT/LT Cables, if required. 13. Routine / Preventive/ Breakdown / Overhauling maintenance HT Overhead Lines <p>Other works, if any, shall be given in subsequent tender document</p>
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5	Technical Qualifying requirements	<ol style="list-style-type: none"> 1. The applicant should have valid electrical license 2. The applicant should have executed Maintenance / Overhauling / Erection & commissioning works of LT or HT electrical systems/ any of the equipments - switchgear, transformer, MCC, HT/ LT Motors during last 5 years as on the date of application during last 5 (five) years from the date of application under end-user or under 'PSU' or its joint Venture company / Govt. or Semi-Govt. department. 3. NOTE: The requirement of electrical license may be varied in NIT'S, the agency has to comply tender specific requirement.
	Document to be submitted by Vendor in support of meeting QR	<ol style="list-style-type: none"> 1) Relevant PO copy of executed Maintenance / Overhauling / Erection & commissioning works of LT or HT electrical systems/ any of the equipments - switchgear, transformer, MCC, HT/ LT Motors during last 5 years as on the date of application during last 5 (five) years from the date of application under end-user or under 'PSU' or its joint Venture company / Govt. or Semi-Govt. department and Client's Completion Certificate/RA bill/Final Deviation Statement. 2) Valid Electrical contractor's License issued by any State Statutory Authority

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6	Additional Documents to be submitted	<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. Three POs with BOQ of the highest executed values of similar work during previous five years from the date of application and Copy of Completion Certificate /RA Bill/ final deviation statement from the concerned client in support of successful execution of jobs against each of the POs to be submitted. 2. Audited balance sheet including Profit & Loss statement for the previous three completed financial years reckoned from the date of application. In case the audited documents are not ready / available, then certified copy by a registered practicing Chartered accountant may be submitted. 3. NSIC / SSI / MSME/ESIC registration certificate (if applicable) 4. PF and Service Tax registration certificate 5. Any other documents in addition to the above which the applicant wants to submit.
7	Notes	<ol style="list-style-type: none"> 1. Similar work means: Maintenance / Overhauling / Erection & commissioning works of LT or HT electrical systems/ equipments e.g switchgear, transformer, MCC and all those equipments covered under the scope(except cable laying /structural work/ overhead line erection) during last 5 years as on the date of application during last 5 (five) years from the date of application under end-user or under 'PSU' or its joint Venture company / Govt. or Semi-Govt. department. 2. Value means basic value (excluding taxes) of the P.O. pertaining to executed similar work as mentioned vide Note-1 above. Where P.O. value is composite, the applicant should have to give break-up of Composite PO value mentioning Basic Value, taxes etc.