

NTPC LTD
Vendor Enlistment Cell (VEC)- CPG-1
Naya Raipur

VENDOR ENLISTMENT FOR O&M WORKS PACKAGE ON PAN NTPC BASIS		
1	CEG No.	TMD-21
2	CEG DESCRIPTION	Mechanical Maintenance (AMC/BMC) of Gas Turbine (Turbine and Auxiliaries), Steam Turbine (Turbine and Auxiliaries), Waste- heat Recovery Boiler (WHRB) and Off-Site area equipment in a Gas Turbine Power plant Excluding Major Overhauling of Gas & Steam Turbine.
3	RESPONSIBILITY CENTRE	CPG1 / VEC
4	AREA OF EXECUTION OF WORK	<p>Mechanical maintenance (AMC/BMC) work at Gas Station of below areas excluding major OH of Gas & steam turbine.</p> <ol style="list-style-type: none"> 1. Gas Turbine and Auxiliaries 2. Steam Turbine and Auxiliaries 3. Steam-turbine Condenser & auxiliaries. 4. WHRB and Auxiliaries 5. DM & PT Plant, Softening and Clo2 and associated system 6. Service and Instrument air system. 7. Cooling Tower and associated system. 8. CW/CT and associated system 9. Fire Fighting System and Raw water Pump House equipment. 10. HVAC system

		11. Fuel and Gas Handling System. 12. Plant dewatering system. 13. WHRB and Steam turbine insulation work 14. AC system and Air washer cold insulation work 15. Central Workshop 16. Any other area as per instruction of EIC
5	BRIEF SCOPE OF WORK	<p>1) Preventive, OH & breakdown maintenance of following areas including related / necessary minor jobs as per detailed scope of work in tender document excluding major OH of Gas & steam turbine.</p> <ul style="list-style-type: none"> • Gas Turbine and Auxiliaries • Gas Turbine Air Intake system • Steam Turbine and Auxiliaries • Equipment Cooling Water system • WHRB and Auxiliaries • Service and Instrument Air system. • Lube oil & Control oil systems. • Cooling Tower and associated system. • CW PH and associated system • Fire Fighting System, Raw water system and associated system. • All types of valves & pipeline system • Liquid and Gas Fuel Handling System. • Pumping and dewatering systems. • EOT Crane, fire vehicle and misc. mechanical equipment/ work-shop equipment / machines etc.

		<ul style="list-style-type: none"> • Diesel Engine (Black Start Diesel Engine) <p>2) Preventive maintenance and break down maintenance of air conditioning system at as per detailed scope of work in tender document:</p> <ul style="list-style-type: none"> • Central Control Room (CCR) HVAC system • Unit Local Control Room (LCR) HVAC system • Switchyard control room HVAC system • SWAS Room (Air Conditioners and Steam Chillers) • CO2 Storage Tank Chiller <p>3) Preventive maintenance, break down maintenance & Overhaul of following vessels and equipments of DM/PT/CW Treatment Systems as per detailed scope of work in tender document</p> <ul style="list-style-type: none"> • DM & PT Plant, Sulphuric Acid dosing plant, Softening & Chlorination & ClO2 systems. • Pressure Sand Filter, • Carbon Filter, • Strong Acid Cation • Strong Base Anion • Mixed Bed • Clarifier • Auto Back Wash Filter & etc. • The scope of work also includes chemical resistance coating of clarifier's metallic structure. <p>4) Overhauling/Servicing / replacement of following equipment and system on single point responsibility basis as per detailed scope of work in tender document :-</p> <ul style="list-style-type: none"> • Boiler LP/HP circulating water pumps,
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		<p>BFP, CEP,CW pumps</p> <ul style="list-style-type: none"> • Valves (De-superheating/Safety/globe/gate/NRV etc.,) • Pipe/pipe fittings replacement. • Hanger/valve greasing, gland replacement of WHRB. • Steam line sliding support inspection and rectification. • WHRB inlet duct inspection and attending defects. • HP/LP Drum inspection. • Removal & re-fixing insulation/ cladding. • Casing cutting & re-welding. • Tube cutting, preparation & replacement. • Radiography of butt joint. • Heat treatment of header joint. • Annual inspection of WHRB as per IBR norms. • De-super Heater pipe assembly / HP main steam line stop check valve replacement. <p>5) Servicing of EOTs/Crane</p> <ul style="list-style-type: none"> • General servicing of EOTs/Cranes/Hoist, Wire rope, Gearbox, Clamps, etc. <p>Above list is indicative in nature. Other details of works (SOW) as per specific station requirement shall be given in Tender documents.</p>
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6	TECHNICAL QUALIFYING REQUIREMENTS	<p>1.0 Qualifying Requirements:</p> <p>The applicant who wishes to participate in the enlistment process shall meet the Qualifying Requirements stipulated hereunder:</p> <p>1.1 Technical Criteria:</p> <p>The applicant should have executed the work (s) of Mechanical Erection of Gas based Combined Cycle Unit / Gas Turbine / Gas Turbine Auxiliaries / Steam Turbine / Steam Turbine Auxiliaries in “Gas/ Coal Based Power Plant” within the preceding Five (05) years prior to the Last Date of submission of application.</p> <p>OR</p> <p>The applicant should have executed the work (s) of Mechanical Maintenance of Gas based Combined Cycle Unit / Gas Turbine / WHRB (Waste Heat Recovery Boiler) / Gas Turbine Auxiliaries / Steam Turbine / Steam Turbine Auxiliaries in “Gas / Coal Based Power Plant” for a period of at least One (01) year within the preceding Five (05) years prior to the Last Date of submission of application.</p> <p>OR</p> <p>The applicant should have executed the work (s) of Overhauling of Gas based Combined Cycle Unit / Gas Turbine / WHRB (Waste Heat recovery Boiler) / Gas turbine Auxiliaries / Steam Turbine / Steam Turbine Auxiliaries in “Gas / Coal Based Power Plant” within the preceding Five (05) years prior to the Last Date of submission of application.</p>
	NOTE FOR TECHNICAL QUALIFYING REQUIREMENT	<p>1. Word “Auxiliaries” mentioned above must include at least any two of the equipment group such as Boiler Feed Pumps (BFP), Cooling Water (CW) pumps and Cooling Towers, Condensate Extraction Pumps (CEP), Air Compressor Systems (IAC/PAC).</p> <p>2. The word “Executed” mentioned in technical qualifying requirement means that the bidder should have achieved the criteria specified above, even if the total contract is started earlier and/or is not completed/closed</p>

	DOCUMENT TO BE SUBMITTED BY VENDOR IN SUPPORT OF MEETING QR	<p>Documents to be submitted as proof of meeting the stipulated Qualifying Requirements as stated above.</p> <p>Relevant and legible PO copies with detailed scope of work, terms and conditions, BOQ. POs issued within last Five (5) years reckoned as on Last Date of submission of application in support of award and copy of Client's Completion certificate / RA Bill / final deviation statement from the concerned client /copies of invoice to establish successful execution as per QR.</p> <p>NTPC can ask more documents if felt necessary.</p>
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 Last 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 Last 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 registration certificate if applicable. 4. PF and GST registration certificate 5. List of all required Tools & Plants with populations available with the applicant. 6. Any other documents in addition to the above which the applicant wants to submit. <p>NTPC can ask more documents if felt necessary. Also, all documents/ facilities can be verified/ assessed if required.</p>

8	NOTES	<p>1) The word “Executed” mentioned in technical qualifying requirement means that the bidder should have achieved the criteria specified above, even if the total contract is started earlier and/or is not completed/closed.</p> <p>2) In case of orders under execution, the value of work executed prior to the Last Date of application duly certified by the applicant’s client shall be considered acceptable.</p> <p>3) Reference work executed by the applicant as a sub-contractor may also be considered provided the certificate issued by main contractor is duly certified by owner specifying the scope of work executed by the applicant in support of qualifying requirements.</p> <p>4) Word “Auxiliaries” mentioned above must include at least any two of the equipment group such as Boiler Feed Pumps (BFP), Cooling Water (CW) pumps and Cooling Towers, Condensate Extraction Pumps (CEP), Air Compressor Systems (IAC/PAC).</p> <p>5) “Similar work” means works as mentioned in the QR technical criteria.</p> <p>6) Value means basic value of the PO. Where PO value is composite (i.e. including Service taxes etc.), the applicant has to give break-up of composite PO value mentioning basic value, taxes etc. Any separate re-imbursement / escalation will not be considered.</p> <p>All other terms & conditions of enlistment are as per the Special terms & conditions (STC) available at VEC portal vdc.ntpc.co.in"</p> <p>https://vdc.ntpc.co.in/UploadedFiles/Documents/STC.pdf</p>
9	QUALITY PLAN (IF APPLICABLE)	Not applicable

10	CATEGORY OF ENLISTMENT	CATEGORY-1
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