

NTPC Ltd		
1	CEG No	CWE-01
2	CEG DESCRIPTION	Hiring of Instrument for Performance testing of Boiler, Turbine, Cooling Tower, ESP related to O&M consultancy assignments.
3	Responsibility Centre	VDC
4	Enlistment category	CATEGORY-1
5	Brief scope of work	<p>Supply of instruments and skilled manpower for onsite measurement, Data collection and providing data associated with the any of the following performance testing activity:</p> <p>1.1. Boiler Performance Testing: Measurement of parameters of Boiler for efficiency calculation, APH performance calculation, flue gas oxygen mapping etc. with offline test instruments meeting ASME standards.</p> <p>1.2. Turbine Performance Testing: Measurement of parameters of TG cycle for Heat rate calculation, Heaters performance calculation, Condenser Performance calculation with offline test instruments meeting ASME standards.</p> <p>1.3. Performance testing of Cooling Tower: Measurement of Cooling tower test parameters with offline test instruments meeting CTI standards.</p> <p>1.4. ESP performance Test: Measurement of ESP emission test parameters with offline test instruments meeting USEPA standards.</p> <p>1.5. Energy Audit/APC Audit: All parameters as specified with the objective to assess performance of the equipment/system/cycle in thermal power station.</p> <p>Coverage: Power Generating units of 20 MW and above, Steam Generating Units of 100 TPH or above. Geographical Location: Anywhere in India.</p> <p>Note: The detail scope of work, list of instruments, skilled manpower & other Terms & conditions would be specified separately in the Tender against the specific requirements.</p>
6	TECHNICAL Qualifying Requirement	<p>Applicant should meet the Qualifying Requirement either at Sl. no. 1.0 and 3.0 (OR) Sl no. 2.0 and 3.0 as mentioned below:</p> <p>Sr no 1.0 Applicant should have carried out following works in Coal Based Thermal Power unit of 200 MW or above capacity units in the preceding 7 years as on the last date of submission of documents.</p> <p>Supplied Offline Test Instruments as specified below for any two of the following tests.</p>

		<ul style="list-style-type: none"> i. Portable Flue Gas Analyzer and Thermocouples for Boiler Efficiency Test. ii. Data logger, Power Analyzer, Pressure Transmitters and Temperature sensors for Heat rate Test of Steam Turbine. iii. Pitot Tube, Precision RTDs, Thermometers and Psychrometer for Performance Test of Cooling Tower. iv. Power Analyzer and Ultrasonic Flow Meter for Audit of Auxiliary Power Consumption. v. Isokinetic sampling kit for Performance Test of ESP. <p>Sr no 2.0 Applicant should have carried out following works in Coal Based Thermal Power unit of 200 MW or above capacity units in the preceding 7 years as on the last date of submission of documents.</p> <p>Conducted Performance Tests with Offline Test Instruments for any two of the following tests.</p> <ul style="list-style-type: none"> i. Boiler Efficiency Test ii. Heat rate Test of Steam Turbine iii. Performance Test of Cooling Tower. iv. Audit of Auxiliary Power Consumption. v. Performance Test of ESP <p>Sr no 3.0</p> <p>Average Annual Turnover for last 3 years of the Applicant should not be less than INR 50 lakhs.</p> <p>*In case where audited results for the last financial year as on the last date of submission of documents are not available, the financial result certified by a practicing Chartered Accountant shall be acceptable. In case, Applicant is not able to submit the certificate from practicing Chartered Accountant certifying its financial parameters, the audited result 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 available in the VDC Portal stating that the financial results of the applicant are under audit as on the last date of submission of documents and the certificate from the practicing Chartered Accountant certifying the financial parameters is not available. Other income shall not be considered for arriving at annual turnover.</p>
7	Similar work.	Same as Technical Qualifying Requirement
8	Documents to be submitted	<ul style="list-style-type: none"> 1. Copy of Purchase order with scope of work in support of QR sr no 1 & 2 2. Proof of work completion (Client certificate) in support of QR sr no 1 & 2 3. Audited Financial Statements* in support of QR sr no 3

		<p>*In case where audited results for the last financial year as on the last date of submission of documents are not available, the financial result certified by a practicing Chartered Accountant shall be acceptable. In case, applicant is not able to submit the certificate from practicing Chartered Accountant certifying its financial parameters, the audited result 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 applicant are under audit as on the last date of submission of documents and the certificate from the practicing Chartered Accountant certifying the financial parameters is not available.</p> <p>Other income shall not be considered for arriving at annual turnover.</p> <ol style="list-style-type: none">4. NSIC / SSI / MSME registration certificate and PF & GST/Service Tax registration certificate.5. PAN, PF and GST registration certificates6. Any other documents in addition to the above which the applicant wants to submit to get enlisted.7. NTPC can ask other documents as necessary during evaluation.
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