

| NTPC LTD USSC, VEC-RAIPUR VENDOR ENLISTMENT FOR O&M WORKS PACKAGE ON PAN NTPC BASIS | | |
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| 1 | CEG No. | BMD-32 |
| 2 | CEG DESCRIPTION | Corrosion mapping of water wall tubes in Boiler. |
| 3 | RESPONSIBILITY CENTRE | CPG1 / VEC |
| 4 | BRIEF SCOPE OF WORK | <ol style="list-style-type: none"> 1. RFET (Remote Field Electromagnetic Testing) Technique to be used in boilers for the following type of defects: <ol style="list-style-type: none"> a. Cracks in tubes (external as well as internal) b. Inside pitting c. Manufacturing defects d. Any irregularities inside the tubes 2. Agency must deploy necessary T&P, requisite Certified Skilled & Semiskilled manpower for successful execution of work. 3. Calibration: Calibration of instruments shall be as per ASME Section V, Article 17. Calibration of the equipment to be done on the calibration block which consists of notches inside the surface and holes on the outside surface. Also, Sensitivity calibration to be done by using new tube and used tube or reference block (tube with known defects). 4. Proper cleaning of Boiler tube straight portion which is identified for inspection with RFET. Cleaning of boiler tube is in the scope of NTPC. 5. Any indication of defect during scanning of the tube to be confirmed using UT techniques to determine the nature of defect and size of the defect, UT is in the scope of agency without any additional claim to NTPC. 6. The Vendor must carry out the inspection work in boiler tubes straight portion areas inside Boiler & shall submit preliminary day to day inspection report as NTPC may have to take up necessary repair / replacement work immediately as per recommendation from the Vendor. 7. During actual checking by RFET, defective tubes will be cross checked by RT (crack), Inside pitting by visual check and if results are found in conformity, then test will be further continued. 8. Agency shall depute the ECT (Eddy Current Testing) Level-II operator, UT Level-II operator, and technicians with the knowledge of RFET. They should have knowledge and experience to operate and evaluate the RFET signal. 9. Final report to be submitted to EIC within 15 days of completion of work. 10. Agency has to do work / inspection in-situ (without cutting |

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| | | <p>tubes and bends) from outside surface of tubes.</p> <p>11. Vendor must arrange industrial extension boards for doing RFET at interior locations of boiler. However electric supply shall be supplied by NTPC free of cost. Adequate lighting in the working area shall be provided by NTPC however hand lamps (24DC only) shall be arranged by vendor.</p> <p>12. Any additional arrangements required to complete the intended RFET successfully and safely shall be in the scope of contractor.</p> <p>13. Work area: Boiler</p> <p>14. Other details of works as per specific station requirement shall be given in Tender documents.</p> |
| 5 | TECHNICAL QUALIFYING REQUIREMENTS | <p>The applicant should have executed the contract of Corrosion Mapping / Inspection of Boiler tubes / bends by RFET (Remote Field Electromagnetic Testing) Technique in Thermal Power Plant of Minimum Unit Size of 200 MW or above in India during the preceding five (5) years reckoned as on the date of submission of application.</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 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> |

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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> <p>-</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 registration certificate if applicable. 4. PAN, 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 to get enlisted. 7. NTPC can ask other documents as necessary during evaluation. |
| 7 | NOTES | <ol style="list-style-type: none"> 1. Similar work means Corrosion Mapping / Inspection of Boiler tubes / bends by RFET (Remote Field Electromagnetic Testing) Technique in any thermal power plant in India during the preceding five (5) years reckoned as on the date of submission of application. 2. 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-imburement / escalation will not be considered. 3. All other terms & conditions of enlistment are as per the Special terms & conditions (STC) available at VDC portal vdc.ntpc.co.in https://vdc.ntpc.co.in/UploadedFiles/Documents/STC.pdf |
| 8 | QUALITY PLAN (IF APPLICABLE) | Not applicable |
| 9 | CATEGORY OF ENLISTMENT | CATEGORY-1 |