

<u>NTPC LTD</u> <u>CORPORATE OPERATION SERVICES, EOC, NOIDA</u> VENDOR ENLISTMENT FOR O&M WORKS PACKAGE ON PAN NTPC BASIS		
1	CEG No	BMD-08
2	Brief description of CEG	Maintenance/ Overhauling of Rotary Air-preheaters, Fans (ID, PA, FD, Seal Air Fans etc) and its auxiliaries Other than Mills (Unit size of 200MW & above)
3	Responsibility Centre	NRHQ
4	Brief scope of work	<p>A. Overhauling of Rotary Air-preheaters :</p> <ol style="list-style-type: none"> 1. Internal washing of Air-Preheater and opening of all manholes and doors. 2. Main Drive Gear Box servicing day start of work. 3. Making Scaffolding at C.E. for Basket Removal. 4. Fixing of hoist beam at H.E. Gas side for basket removal. 5. Removal of baskets H.E. H.I.E & C.E. for high pressure jet cleaning. 6. C.E. grating, Intermediate grating, rotor diaphragm, stay plate repairing/replacement. 7. After washing and draining of water Baskets H.E.,H.I.E. & C.E. placement. OR replacement with new baskets. 8. Repairing / Replacement of inboard & outboard static seal, Axial Seal Plate Assembly & filling of Kaowool. 9. Dismantling / Repairing / Replacement of Air Seal Housing & filling of Kaowool to avoid flue gas leakage during running. 10. Inspection of Guide Bearing, Support bearing & cleaning, box up & filling new oil. Replacement as per requirement. 11. Repairing / Replacement of Rotor Angle &T-Bar. 12. Sector Plate repairing/replacement/leveling H.E. & C.E. 13. Fixing / setting of all seals. 14. Repairing of inside Casing & Support. 15. Checking / repairing/replacement of APH I/L & O/L Expansion joints. Fixing the Cover Plate on Expansion Joints. 16. Checking the Soot Blower Lance Tube Assy. Movement etc. 17. Checking & servicing of fire detection systems. 18. Servicing of LOP's of Support & Guide Bearings. 19. Checking the Cooling Water Lines Valves. 20. Shifting of material, erection of approach platform(s), removal of insulation & other related jobs as per site requirement. 21. Other details of works shall be given in Tender

		documents.
		<p>B. <u>OVERHAULING OF FAN</u></p> <ul style="list-style-type: none"> • Cleaning of FAN Internals. • Lube Oil system servicing. • Servicing / Inspection / replacement of bearings (Sleeve / Antifriction Bearings as applicable) • Servicing / inspection of inlet/outlet vanes/ blades/ Bearing assembly/ Blade bearing assembly/ Servomotor assembly/ all linkage and controls. • Servicing / inspection/ rectification of Impeller /casing/ liners/ shafts/ couplings etc and replacement as required. • Alignment of Fans with drives (complete system) <p>C. Assisting in Fans re-commissioning activities and attending any defects.</p> <p>D. Shifting of material, erection of approach platform(s), removal of insulation & other related jobs as per site requirement</p> <p>E. Preventive maintenance / break down maintenance of Fans and its associated auxiliaries.</p> <p>F. Servicing of inlet/outlet connecting ducts up-to suction and discharge damper/gate.</p> <p>G. Other details of works as per specific site requirement shall be given in Tender documents.</p>
5	Technical Qualifying Requirements	The applicant should have executed Erection / Overhauling / Annual Mechanical Maintenance job of complete Rotary Air-Preheater and of Fans (ID/ FD/ PA) in Unit size of minimum capacity of 200MW in a Thermal Power Plant during the last five years from the date of application.
	Document to be submitted by Vendor in support of meeting QR	Relevant PO copy and Client's Completion Certificate/RA bill/Final Deviation Statement.

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6	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 execution of job 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. PF and Service Tax 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.
7	Notes	<ol style="list-style-type: none"> 1. Similar work means Erection/ Overhauling/ Mechanical Maintenance job of complete Rotary Air-Preheater, Fans (ID/ FD/ PA) and its Auxiliaries in Unit size of minimum capacity of 200MW in a Thermal Power Plant during the last five years from the date 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-imbursement/ escalation shall also not be considered.