

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

1	CEG Number	OFF-01
2	Brief description of CEG	Maintenance of Cooling Tower Equipments, Internals, Pipelines and associated works including miscellaneous works such as cleaning of Columns and Beams, Cold basin cleaning, Outlet gates etc.
3	Responsibility Centre	NCRHQ
4	Brief Scope of Work	<ol style="list-style-type: none"> 1. The bearing clearances to be measured with dial gauge by deflection of fan blades. 2. Replacement of bearings for which clearance is beyond acceptable limit. 3. Check / replace of gear internals of the gear box. 4. Check and do alignment of gear box with motor. 5. Inspect / Replace the gear box oil, if need be. 6. Check and correct fan blade angle to the design value. 7. Inspect / Grease / service main and riser valves. 8. Repair of CT outlet gates and screen / bucket strainers. 9. Repair of Monorail beam for lifting of CT outlet gates / screen. 10. Cell doors to be repaired if required and sealed with rubber sheet / conveyor belt. 11. Inspect / Replace cracked / damaged fan blades. 12. Inspect / repair / replace of monorail beam required for lifting gear box. 13. All the materials, scraps after the work to be removed and taken to a place as directed by EIC. 14. Trial run would be taken after completing all the jobs and needful action would be done in case of vibration, high oil temp etc. 15. Isolation of cells, Arranging safe approach, Scaffolding platform inside cell, Providing top surface protection of Fills 16(a). Inspection / replacement of choked / fallen nozzles, Drift Eliminators, Fills (PVC V bars / PP grids / Film Packs) creating access to the spray chambers of the cell 16(b). Repair of damaged water distribution pipe couplings, end caps, pipe joints, riser pipes & valves with hot water duct / channel. 17(a). Cleaning the fill packs by water jet from top / bottom as instructed of EIC. 17(b). The choked film packs need to removed, weighed, dried, tapped and replaced in position if found usable, otherwise new pack to be installed. 18. Lifting and weighing of fill packs before and after cleaning. 19. Cleaning of cell RCC structures, columns, support channel. 20. Repair / replace the defective SS channels / Supports as per the standard practice. 21. Recharging of cells after refixing the fill packs and nozzles etc. 22. Removal of damaged / scrap fills to scrap yard and made the area clean as per instruction of EIC. 23. Area around CT (pavement area + stair case area) to be cleaned after recharging. 24. Safety precaution for man and material related with the work. 25. Details shall be given in tender document

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5	Technical Qualifying requirements	The Applicant should have experience of maintenance in "Power Cycle Cooling towers" (Induced Draft Cooling Tower / Natural Draft Cooling Tower) of thermal power plant capacity of not less than 60 MW, during the last five years as on the date of application.
	Document to be submitted by Vendor in support of meeting QR	1) Relevant PO copy and Client's Completion Certificate/RA bill/Final Deviation Statement.
6	Additional Documents to be submitted	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:- 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 from the concerned client in support of successful execution of works 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. Any other documents in addition to the above which the applicant wants to submit.
7	NOTES:	1.0 Similar work means: Maintenance of Power Cycle Cooling Towers (Induced Draft Cooling Tower / Natural draft cooling Tower) of thermal power plant capacity of not less than 60 MW. 2.0 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 shall also not be considered.