

Qualifying Requirement for Vendor Enlistment for ‘Maintenance / Overhauling Contract of “Fans (ID/ FD/ PA), Rotary Air-Preheater, Ducts & HP Jet Cleaning of APH Baskets” (Category-1)’

A	CEG Details		
		CEG No.	BMD-30
		CEG DESCRIPTION	Maintenance / Overhauling Contract of “ Fans (ID/ FD/ PA), Rotary Air-Preheater, Ducts & HP Jet Cleaning of APH Baskets ”
B	TECHNICAL CRITERIA OF QR: The applicant should have executed “Mechanical Erection/Overhauling/Mechanical Maintenance” Work of “Fans (ID/ FD/ PA) & Rotary Air-Preheater” in a coal based Thermal Power Station of India with Unit capacity of 200 MW or more during the preceding Five (5) years reckoned as on the date of submission of application.		
C	Documents to be submitted by Applicant in support of meeting QR 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.		
D	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 Applicant, 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 (05) years from the date of submission 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. <p>NTPC can ask other documents as necessary during evaluation.</p>	

E	Notes	<ol style="list-style-type: none"> 1. Similar works means “Mechanical Erection/Overhauling/ Mechanical Maintenance Work of [“Air- Preheater and its Auxiliaries” AND/OR “Fans (ID/ FD/ PA) and its Auxiliaries” AND/OR “Ducts / Dampers / Gates” AND/OR “HP Jet Cleaning”] in a coal based Thermal Power Station of India with Unit capacity of 200 MW or more during the preceding Five (5) years reckoned as on the date of submission of application. 2. “Reference works executed by the applicant, as a member of Joint Venture /Consortium / Associate can also be considered provided: <ol style="list-style-type: none"> a. The allocation of scope of work between the partners of the Joint Ventures /Consortium / Associate is clearly defined in the executed joint venture agreement / consortium agreement / deed of joint undertaking and the applicant's scope of work and break-up of quantities executed by them as individual contribution in the Joint Venture / Consortium / Associate, duly authenticated by the Project Authority/Owner, meet the relevant provisions of eligibility criteria. b. In case the reference work has been executed by the applicant in an integrated joint venture wherein allocation of scope of work and break-up of quantities between the partners is not clearly specified in the integrated joint venture agreement, then for establishing the eligibility as per Clause B (above) of Technical Qualifying Requirements, the credit of executed quantities can be claimed by the applicant in the ratio of applicant's share in the integrated joint venture agreement, provided the applicant establishes that it regularly undertakes works mentioned in QR. The executed works/ quantities by the integrated Joint Venture shall be duly authenticated by the Project Authority/owner.” 3. All other terms & conditions of enlistment are as per the Special terms & conditions (STC) available at VDC portal “vendor.ntpc.co.in”
F	Category of Enlistment	CATEGORY-1
G	BRIEF SCOPE OF WORK	<p>A. Overhauling / Maintenance 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. 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., HIE & 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 Kao wool.
9. Dismantling / Repairing / Replacement of Air Seal Housing & filling of Kao wool 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 shall be given as per site specific requirement in tender Documents.

B. Overhauling / Maintenance of Fans:

1. Cleaning of Fan Internals.
2. Lube Oil system servicing.
3. Servicing / Inspection / replacement of bearings (Sleeve / Antifriction Bearings as applicable)
4. Servicing / inspection of inlet/outlet vanes/ blades/ Bearing assembly/ Blade bearing assembly/ Servomotor assembly/ all linkage and controls.
5. Servicing / inspection/ rectification of Impeller /casing/ liners/ shafts/ couplings etc. and replacement as required.
6. Alignment of Fans with drives (complete system)
7. Assisting in Fans re-commissioning activities and attending any defects.
8. Shifting of material, erection of approach platform(s), removal of insulation & other related jobs as per site requirement
9. Preventive maintenance / break down maintenance of Fans and its associated auxiliaries.
10. Servicing of inlet/outlet connecting ducts up-to suction and discharge damper/gate.
11. Assistance in balancing of fan, if required.
12. Other details shall be given as per site specific requirement in tender Documents.

C. Overhauling / Maintenance of Ducts

1. Overhauling includes repair/ replacement of Ducts, Dampers, Gates, Insulation Removal, Expansion Joints, Diverter, Guide vanes, supports bracing etc. in Boiler area.
2. Cleaning of ash from ducts.

3. It includes activities like shifting of material, erection of platform, removal of insulation & other related jobs as per site requirement.
4. Other details shall be given as per site specific requirement in tender Documents.

D. HP Jet Cleaning of APH Baskets:

The scope of work includes to and fro transportation of sufficient numbers of H.P. jet pumps with accessories from vendor's site to respective locations. No separate payment will be done on this account. Party shall have to mobilize the pumps well in advance from the commencement of work (as intimated by NTPC). Cleaning of Air Pre-heater basket shall cover:

1. Transportation of pump and accessories at air heater floor or area where baskets are to be cleaned.
2. Cleaning of all the baskets.
3. For above contractor shall deploy sufficient parallel gangs to carry out the cleaning work. Cleaning shall be certified by area engineer. Failure of proper cleaning work within stipulated time frame shall attract penalty as mentioned in tender enquiry.
4. Other details shall be given as per site specific requirement in tender Documents.

Note-

1. The vendor must have at least Two nos. of Trolley mounted and 04 nos. of portable HP jet cleaning machines.

2. Execution of the work of "HP Jet cleaning of APH Baskets for Boiler" may be done by the Agency itself, only if it has the past experience of executing such works in a Boiler of minimum 200 MW capacity or these works may be outsourced to only those sub-vendors who have the past experience of executing such works in a Boiler of minimum 200 MW capacity."

3. The approval for execution of Work by the Contractor himself or by his Subcontractor will be subjected to approval of EIC based on submission of experience details by the appointed Contractor for a particular package.