

Qualifying Requirement for Vendor Enlistment for ‘Mega Contract for Mechanical Maintenance of offsite equipment (Category 2)’.

A	CEG Details		
		CEG No.	OFF-99
		CEG DESCRIPTION	<i>Mega Contract for Mechanical Maintenance of offsite equipment</i>
		RESPONSIBILITY CENTRE	CPG-1/ VDC
B	<p>TECHNICAL CRITERIA OF QR:</p> <p>a. The applicant should have executed mechanical <i>maintenance contract</i> of Boiler*/Turbine**/BOPs*** of 500 MW or above capacity Power Plant for a period of one year or more within preceding 05 (five) years from the date of application.</p> <p>OR</p> <p>b. The applicant should have executed erection and commissioning of ‘<i>at least one unit of Boiler*/Turbine**/BOPs***</i>’ of Power Plant having capacity 500MW or above within preceding 05 (five) years from the date of application.</p> <p>NOTES:</p> <ol style="list-style-type: none"> 1. The word “Executed” mentioned above means that the applicant should have achieved the criteria specified above, even if the total contract is started earlier and/or is not completed/closed. 2. Reference work executed by the applicant as a sub-contractor may also be considered provided the certificate issued by main contractor is duly certified by owner specifying the scope of work executed by the sub-contractor in support of qualifying requirements. 3. *** Mechanical Maintenance Contract of BOPs (Balance of Plant) should include mechanical maintenance of ‘CW Pump House’, ‘Fire Fighting System’, ‘Water treatment Plant’, ‘HVAC system’, ‘Compressed air system’ and ‘Cooling Tower’. <i>Maintenance of all these systems in any combination, may be executed through one contract or more than one contract(s).</i> 4. *** Erection and commissioning of BOPs (Balance of Plant) should include any of the following systems i.e., CW Equipments/Fire Fighting System/Water treatment Plant/ HVAC system/ Compressed air system/ Cooling Tower. 5. **Turbine ‘<i>Mechanical Maintenance / Erection and commissioning</i>’ should include “HPT and/ or IPT and/ or LPT”. <p>*Boiler ‘<i>Mechanical Maintenance / Erection and commissioning</i>’ should include “boiler pressure parts”.</p>		

C	<p>Documents to be submitted as proof of meeting the stipulated Qualifying Requirements as stated at B) above</p> <p>Relevant PO copy and client's completion certificate/RA bill/Final deviation statement.</p>
D	<p>FINANCIAL CRITERIA</p> <p>1. The Net Worth of the applicant shall not be less than 100% of the applicant's paid up share capital as on the last day of the preceding financial year. In case the Applicant meets the requirement of Net Worth based on the strength of its Subsidiary(ies) and/or Holding Company and/or Subsidiaries of its holding companies wherever applicable, the Net Worth of the Applicant and its Subsidiary(ies) and/or Holding Company and/or Subsidiary(ies) of the Holding Company, in combined manner should not be less than 100% of their total paid up share capital. However individually, their Net worth should not be less than 75% of their respective paid-up share capitals.</p> <p>Net worth in combined manner shall be calculated as follows:</p> <p>Net worth (combined) = $(X1+X2+X3) / (Y1+Y2+Y3) \times 100\%$</p> <p>Where X1, X2, X3 are individual Net worth which should not be less than 75% of their respective paid-up share capitals and Y1, Y2, Y3 are individual paid up share capitals</p> <p>2. In case the applicant is not able to furnish its audited financial statements on stand-alone entity basis, the unaudited unconsolidated financial statements of the applicant can be considered acceptable provided the applicant further furnishes the following documents for substantiation of its qualification.</p> <p>A. Copies of the unaudited unconsolidated financial statements of the applicant along with copies of the Audited consolidated financial statements of its Holding Company.</p> <p>B. A certificate from the CEO/CFO of the Holding Company, as per the format enclosed in the bidding documents, stating that the unaudited</p>

		<p>unconsolidated financial statements form part of the Consolidated Annual Report of the company.</p> <p>3. In cases where audited results for the last preceding financial year as on the date of Techno-Commercial bid opening are not available, the financial results certified by a practicing Chartered Accountant shall be considered acceptable. In case, Applicant is not able to submit the Certificate from practicing Chartered Accountant certifying its financial parameters, the audited results 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 Company are under audit as on the date of Techno-Commercial bid opening and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.</p> <p>Notes for Financial criteria:</p> <p>1. Other income shall not be considered for arriving at annual turnover.</p> <p>2. "Holding Company" and "Subsidiary Company" shall have the meaning ascribed to them as per Companies Act of India, in vogue.</p> <p>3. Net worth means the sum of the paid-up share capital and free reserves. Free reserve means all reserves credited out of the profits and share premium account but does not include reserves credited out of the revaluation of the assets, write back of depreciation provision and amalgamation. Further, any debit balance of Profit and Loss account and miscellaneous expenses to the extent not adjusted or written off, if any, shall be reduced from reserves and surplus.</p>
E	QUALITY PLAN (IF APPLICABLE)	Not applicable

F	Category of Enlistment	CATEGORY-2
G	SCOPE OF WORK	<p>Scope of the work covers Mechanical Maintenance of Cooling Towers, CW pumps, Water treatment plant, Chlorination Plant, CW Chemical Treatment Plant, Liquid Waste Treatment Plant (LWTP), Effluent Treatment Plant, Drinking Water System, Sewage Treatment Plant, Fire Detection & Protection System, Raw Water/Make up Water System, HVAC system and any other Offsite area related to Water Systems and water treatment.</p> <p>Mechanical Maintenance of above systems should include repair / replacement of pumps (both Horizontal & Vertical pumps), gear boxes, Chillers, VAMs, pipeline/ducts, valves, agitators, tanks, Travelling Water Screen, hoists, EOT, Rubber lining works and Under water inspection works etc.</p>
H	Detailed Scope of Work	<p>2.1 Area of work - Cooling Towers: Maintenance of Cooling Tower Equipment, Internals, Pipelines and associated works including miscellaneous works such as cleaning of Columns and Beams, Cold basin cleaning, Outlet gates etc. as per following:</p> <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 be 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 + staircase area) to be cleaned after recharging.
24. Other details of works shall be given in tender documents.

2.2 Area of work - Rubber Lining Works in Acid & Alkali Handling Tanks & Pipelines:

1. Checking the health of rubber lining in DM Plant tanks and vessels using spark-testing machine and chore hardness by agency in presence of NTPC representative.
2. Erection of scaffolding as required for inspection of tanks, vessels of Bulk Acid Storage Tanks (BATs) & DM streams and pipelines as per site requirement.
3. Removal of existing rubber lining, surface preparation by sand blasting / buffering / wire brushing, re-rubber lining to be done in specified layers / thickness.
4. After steam curing, spark testing and the shore hardness test of the new rubber lining to be done. Shore Hardness should be 60 +/- 5. The spark test and shore hardness test machine are to be brought by the contractor.
5. Necessary steam line shall be erected by the agency for which the required pipe will be in NTPC scope on free of cost basis, which has to be returned to NTPC after completion of the job.
6. All fittings, ladder, platforms etc. removed before work shall be fitted back after completion of the rubber lining.
7. If any patch work is required, agency will do the job of cutting and welding of plate, pipe etc. Welding m/c / gas cutting set etc. will be provided by agency.
8. Removal and disposal of scrap, old rubber scraps after completion of the work, at a location identified by engineer-in-charge, will be responsibility of the agency.
9. The agency shall submit test certificates of natural rubber & rubber solution used in rubber lining. Separate test certificates will be required for each lot of materials.
10. 24 V transformers and suitable lights shall while working inside the tanks.
11. Arrangement of exhaust fans for sufficient ventilation of the tanks is to be arranged by the agency.
12. Skilled manpower who are conversant with such job should only be deputed.
13. Other details of works shall be given in tender documents.

2.3 Area of work - Maintenance of CW pumps & it's associated duct, valves TWS, EOT etc.

1. Maintenance / Overhauling of CW Pumps, Bearings and associated duct, valves & actuators, Travelling Water Screen, EOT, Trash Rack, Stop Lock Gates etc.
2. Other details of works shall be given in tender documents.

2.4 Area of work - Misc. Pump & Equipment Maintenance including Fire Water Pumps, Raw Water/Make up Water Pumps, Lub Water Pumps, Sump Pumps, Fire Fighting System, Fire Detection & Protection System etc. including repair / replacement of pipeline, valves, hoists etc

1. Maintenance/Overhauling of pumps and its accessories for Fire Water Pumps, Raw water / Make up water pumps, lub water pumps, Sump pumps, Fire Detection & Protection system etc.
2. Cleaning / repair of Strainers, Trash rack, Stop Lock Gates Pit/ Sump, hoists etc.
3. Works related to Fire Detection & Protection System.
4. Repair / replacement of pipelines, Butterfly valves, gate valves, Air Release Valves, strainers, detectors, quartz bulbs, sprinklers, deluge valves etc for above systems at 1.
5. Other details of works shall be given in tender documents.

2.5 Area of work - Maintenance of Equipment, Tanks & Vessels and associated works for complete Water Treatment Plant comprising of DM Plant, PT Plant, Chlorination Plant, CW Chemical Treatment Plant, LWTP, Effluent Treatment Plant, Drinking Water System, Sewage Treatment Plant

1. Maintenance of complete Water Treatment Plant comprising of PT & DM Plant / Desalination Plant, Chlorination Plant, CW Chemical Treatment Plant, LWTP, Effluent Treatment Plant, Drinking Water System, Sewage Treatment Plant.
2. Repair / replacement of pumps, pipelines, tanks, Clariflocculator/Clarifier, Butterfly valves, Gate valves, Diaphragm valves etc for above systems at 1, as applicable.
3. Other details of works shall be given in tender documents.

2.6 Area of work - Under Water Services for Offsite Area

1. Under water "Inspection and sealing of CT outlet or CW fore bay Gate / Cleaning of OAC or CW pump suction / fore bay or RW/MU water well / desilting chamber" work by engaging divers/machines in thermal power plants.
2. Skilled manpower who are conversant with such job should only be deputed.
3. Other details of works shall be given in tender documents.

2.7 Area of work – Heating, Ventilation and Air Conditioning

1. Overhauling and Breakdown maintenance of chillers up to 350 TRs, Maintenance of VAM up to 350 TRs, Servicing of AHU, Air Washer Blower, Package ACs, Condenser water pump, Chilled water pump and AC Cooling towers.

		<p>2. Round the clock Operation monitoring of Air conditioning system at different locations.</p> <p>3. Other details of works shall be given in tender documents.</p>
I	Special Terms & Conditions	<p>1. Please refer special terms & conditions (STC) of enlistment available at VDC portal vendor.ntpc.co.in. In addition to above vendors are requested to refer Special Conditions attached at Annexure-I.</p> <p>2. Vendors shall be enlisted for period of three years from the date of uploading of list on website, subject to fulfilment of the terms & conditions.</p>
	NOTES	<p>Vendors are requested to fill up the Format attached at Annexure-II and upload it in the page "Technical information" under the tab "QR Documents"</p>

The following Special Conditions shall supplement/amend the Special Terms & Conditions (STC) uploaded in the CPC portal. Wherever there is a conflict, the provisions in special Conditions shall prevail over those in the STC. The corresponding clause number of the STC is indicated in parentheses.

CEG Number	OFF-99
Name of Enlistment Package	<i>Mega Contract for Mechanical Maintenance of offsite equipment</i>

S.No.	Name of Clause	Description of Clause
1.	SELECTION OF ENLISTED VENDORS FOR ISSUING TENDER ENQUIRY STC Clause No 13.0	<p>Additional Sub-Clause to STC Clause 13.0 with the following:</p> <p>Selection of Enlisted Vendors for Issuing Tender Enquiry</p> <p>Applicable for Mega Contract with cost estimate for MEGs/CEGs above INR 4 Crore and up to INR 50 Crore:</p> <p>❖ Only AATO of the vendors who meets the technical QR and Net Worth criteria of financial QR will be recorded in the system for selection of Enlisted vendors for issuing tender enquiry as defined below:</p> <p>(i) Completion Period up to 1 year Vendors having AATO \geqEC</p> <p>(ii) Completion Period >1 year Vendors having AATO \geqEC*12/CP</p> <p>Where AATO is annual average turnover, EC is estimated cost and CP is completion period.</p> <p><u>Term / Periodic Contract (applicable for only CEGs in both Cat-1& Cat-2):</u></p> <p>1. For Term / Periodic Contract(s), contractor's work / deployment is generally of repetitive nature in every year. Accordingly, selection of vendors from the enlisted vendors to be done based on annualized cost estimate instead of total cost estimate of PR in order to increase the vendor participation in a particular tender.</p> <p>2. Accordingly, in term / periodic contract(s) selection of vendors from the enlisted vendors shall be done on annualized cost estimate basis. Further, the PRs of regular nature (Category-1) having overall cost estimate more than INR 4 Cr and annualized cost estimate less than INR 4 Cr shall be considered for tendering against enlistments (CEGs) of Category-1. Same procedure to be adopted for vendor selection from the enlisted vendors for Mega Contracts (Category-2).</p>

		3. Term / Periodic Contracts shall be awarded for a maximum period of Two Years only by using the VDC Enlistments in both Category -1 & 2.
2.	OFFLINE DOCUMENTS STC Clause No 20.0	<p>Replace existing STC Clause 20 with the following</p> <p>Vendor has to send hard copy of following documents in original, in the format given on the home page of website so as to reach the concerned responsibility centre.</p> <ol style="list-style-type: none"> i. Letter of Undertaking (to be executed on non-judicial stamp paper of INR 100/-) ii. Power of Attorney (to be executed on non-judicial stamp paper of INR 100/-) <p>Original Letter of Undertaking and Power of Attorney duly signed are to be sent by speed / registered post/ courier on following address so as to reach within fifteen days of submitting the application. Digitally signed/signed & scanned soft copies of the aforesaid documents shall be uploaded in the VDC Enlistment portal i.e.vendor.ntpc.co.in:</p> <p>AGM (Vendor Development Cell), NTPC Ltd, Western Region-II Head Quarter, Plot No. -87, Sector-24, Atal Nagar, Nava Raipur, Raipur, Chhattisgarh, PIN code: 492018</p> <p>The envelope containing the Letter of Undertaking & Power of Attorney shall be super scribed as follows:</p> <p>“Letter of Undertaking” & “Power of attorney” for Vendor Enlistment MEG / CEG: Responsibility Centre: From----- (Name of company)</p>
3.	EVALUATION CRITERIA & PROCESSING OF APPLICATIONS (STC Clause 21.3)	<p>Replace STC Clause no 21.3 (Mapping of data of enlisted vendors) with the following</p> <p>Average annual turnover will be mapped against each technically qualified vendor. The vendor has to submit financial details and upload supporting documents which shall be the basis for ascertaining their financial capability as per laid down policy of the company. Presently no pre-determined financial criteria (Average Annual Turnover) is being stipulated.</p> <p>However, all applicants have to upload necessarily the following documents:</p>

		<p>i) Average Annual Turnover (AATO): Balance sheet and Profit & loss account for last three completed financial years reckoned from the date of submission of application.</p> <p>Audited Balance sheet and Profit & Loss statement of the company giving annual sales turn over during preceding three completed financial years reckoned from the date of submission of application for enlistment, has to be furnished. In case where the audited results of the last preceding financial year are not available, certification of financial statements from a practicing Chartered Accountant may be considered acceptable.</p> <p>From this, Average Annual Turnover (AATO) of the company shall be worked out and shall be recorded against the CEG for the enlisted vendors. This will be the eligibility limit for Average Annual Turnover of the respective enlisted vendor for sending tender enquiry later (but during the validity period of enlistment only)</p> <p>Selection of enlisted vendors for sending tender enquiry: When actual requirement emerges, based on the estimated cost and completion period required, selection of eligible vendors from amongst enlisted vendors shall be done as mentioned at Sl. No 1.0 above of this document.</p>
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Format to be filled by the Vendor/Bidder and upload it under the tab “QR Documents”

A) To satisfy the Technical Criteria specified in Qualifying requirement (QR), We give below the following details:

Sl. No	Description	Remark
1.	<p>a. The applicant should have executed mechanical maintenance contract of Boiler*/Turbine**/BOPs*** of 500 MW or above capacity Power Plant for a period of one year or more within preceding 05 (five) years from the date of application.</p> <p>OR</p> <p>b. The applicant should have executed erection and commissioning of ‘at least one unit of Boiler* /Turbine**/ ‘BOPs***’ of Power Plant having capacity 500MW or above within preceding 05 (five) years from the date of application.</p> <p>Please refer Notes of “TECHNICAL CRITERIA OF QR”</p>	<p>YES/NO (Relevant document to be uploaded under the tab “QR Documents”)</p> <p><i>Upload the documents of Executed Work orders in the page “Technical information” under Tab “Upload PO” and its execution proofs/completion certificates etc in the same order (i.e., as per work order) under the tab “SupportingInvoices/CompletionCertificate” in a single compiled pdf.</i></p>

B) To satisfy the financial Criteria specified in Qualifying requirement (QR), We give below the following details:

We hereby confirm that net worth of our company as on the last day of the preceding financial year is not less than 100% of its paid-up share capital.

The Details are as under:

Sl. No	Description	As on last day of the preceding financial year
1.	Paid-up Share Capital	
2.	Net Worth	
3.	%age of Net worth to Paid-up Share Capital	
4.	Documentary evidence like Audited Financial statements (Balance sheet & Profit loss statement) for the preceding financial year in support of above is enclosed	<p>YES / NO</p> <p><i>(Upload the documents in the page “Financial information” under Tab “Choose file”)</i></p>

Additional financial data

Sl.No	Financial Year*	Amount in Rs.
1.	2018 – 2019*	
2.	2019 – 2020*	
3.	2020 – 2021*	
4.	Average Annual Turnover for the preceding three (3) Financial Years as on date of submission of application	
5.	We have enclosed Audited financial statements (Balance sheet & Profit loss statement) for the preceding three (3) financial years	YES / NO <i>(Upload the documents in the page "Financial information" under Tab "Choose file")</i>

() Preceding 3 financial year is from the date of submission of application*

Note : Wherever there is more than one document to be uploaded under a single tab available, vendors are requested to combine all the pdf into single .pdf file before uploading.