

NTPC LTD

Vendor Development Cell, Raipur

VENDOR ENLISTMENT FOR O&M WORKS PACKAGE ON PAN NTPC BASIS

1	CEG No.	AHD-99
2	CEG Description	<i>Mega Contract for Ash Handling including 'Operations and Maintenance (Mechanical)</i>
3	Responsibility Centre	CPG-1/ VDC
4		<p>1.0 Brief Scope of Work MEGA CONTRACT for Operations and Mechanical Maintenance of Ash handling Plant along with related sub systems and auxiliaries (Category 2)</p> <p>2.0 Scope of the work covers General Shift Operation/Shift Operation, Shift Maintenance/General Shift Maintenance (PM, B/D and OH maintenance).</p> <p>3.0 Detailed Scope of Work:</p> <ol style="list-style-type: none"> 1. Operation: Control Room Desk Operation of Ash Handling system. 2. ESP and Related System: <ol style="list-style-type: none"> a) Maintenance of ESP and related system including Internal water washing, rectification of GD screen (Will be applicable in Plants where ESP Internals is in AHD Scope). b) Insulation and cladding work for ESP Hopper etc as per requirement. c) Manually emptying the ESP hoppers in case of High Ash Level as per requirement. 3. Fly Ash Handling System (Vacuum Conveying system and Pressure Conveying system): Maintenance of “Fly ash evacuation system- (Dry ash)/ (Dry + Wet) (as per plant layout), Pressure Conveying System and related system including Buffer Hopper, Vacuum Pump, TAC (Transport Air compressor), IAC (Instrument Air Compressor), TAD (Transport Air Dryer, IAD (Instrument Air Dryer etc”. 4. Bottom Ash Handling System: Operation & Maintenance of Bottom Ash Evacuation system including Clinker Grinders, Scraper/Screw Conveyor system, Bottom Ash Overflow Pump and its auxiliaries, Gates of Bottom Ash Hoppers & Associated HP /LP/ Flushing pipelines, Refractory cooling header and Valves, Bottom Ash Disposal lines, Repair/replacement of refractory in Bottom Ash Hopper etc. 5. Fly Ash Silo area: Operation & Maintenance of Fly ash silo, rotary vane feeder, HMDC (Hydro Mix Dust Conditioner) etc and its associated system., Wash Water pumps, Ash Conditioner Water pumps, fluidizing blowers and associated pipelines & valves etc. 6. HCSD (High Concentration Slurry Discharge) system: Operation & Maintenance of HCSD system along with HCSD silos and associated systems. 7. Fluidizing Blower System: Operation & Maintenance of Fluidizing blowers for Buffer Hopper/Silos and its associated system. 8. Ash Handling System of PAPH/SAPH/ECO. HOPPERS: Operation & Maintenance of Ash evacuation system (Dry System or Wet system as per plant layout)

9. **Ash Slurry/Ash Water Pump House:** Operation & Maintenance of “Ash Water Pump House & Ash Slurry Pump House” along with associated valves, pipelines, pipe fittings etc.
10. **Ash Dyke System:**
 - a) Ash Slurry pipeline/HCS D pipelines repair/rotation/replacement along with pipe fittings (from Ash slurry Pump house/HCS D silos up to Ash Dyke including dyke area).
 - b) Operation & Maintenance of Sprinkler system of Ash Dyke.
 - c) Dewatering of low-lying area of ash dyke during monsoon season.
 - d) Operation & Maintenance of **AWRS (Ash Water Recirculation System)** pumps, sump pumps and dewatering pumps and associated system.
 - e) Any other related work.
11. **Fabrication and erection work:** Fabrication and erection work in Ash handling area including dyke area.
12. **Heavy Vehicle Maintenance of Mobile equipment:** Operation & Maintenance of Heavy vehicles like Hydra, Forklift, Battery Operated Trolley, Dozer etc. working in Ash handling area.
13. **Maintenance of ZLD Pumps & Piping** in ash handling area.
14. **Painting Work:** General painting work on equipment.
15. **House Keeping work:** House Keeping work related to Ash handling system as per requirement. Ash lifting and dumping work from ESP Hopper area, Ash Silo area, Bottom Ash area including deployment of JCB, Tractor & Trolley as per requirement. (If Not Covered Under Main Plant Operation Housekeeping Scope)
16. **Miscellaneous Work:** Any Other related work of Ash Handling System if not covered above and required for smooth running of system.

Note:

1. **All the maintenance work** mentioned above in SOW will include “PM, B/D and OH” mechanical maintenance as per requirement.
2. **All the Operation work** mentioned above in SOW will include Control Room Desk Operation of Ash Handling System.

4.0 Area of Work

1. Ash Handling Control Room.
2. ESP and associated system.
3. Ash conveying pipelines.
4. Buffer Hopper and associated system.
5. Collecting Tower and associated system.
6. Vacuum Pump and associated system
7. Air Lock Vessels/D Pumps /Transporter/ Nuva Feeder and associated system
8. Pressure conveying (Transport Air lines) pipelines and associated system

	<p>9. Ash Dyke area (Ash Slurry Pipe repair/replacement, Ash slurry pipeline rotation work, AWRS pump house and associated system, Ash water sprinkling system in Ash dyke)</p> <p>10. “Transport Air Compressors, Instrument Air compressors” and associated driers and related system.</p> <p>11. “Dry Ash Silos & HCSD silos” and related system.</p> <p>12. HCSD pipelines and associated system.</p> <p>13. Ash Slurry Pump House and related Pipelines.</p> <p>14. Hoist and EOTs</p> <p>15. Ash conditioner pumps and related system.</p> <p>16. Ash water Pumps and related system.</p> <p>17. Heavy vehicles like Hydra, Forklift, Battery Operated Trolley, Dozer etc.</p> <p>18. Any Other related work of Ash Handling System.</p>		
5	<p><u>TECHNICAL CRITERIA OF QR:</u></p> <p>a. The applicant should have erected and commissioned Ash Handling System with Dry Fly ash evacuation system for one (01) Coal based power plant of minimum 500 MW capacity with unit size 200 MW or above within preceding 05 (five) years from the date of application.</p> <p>OR</p> <p>b. The applicant should have executed the work(s) of Operation and Maintenance of Ash Handling System with Dry Fly ash evacuation system, in one (01) Coal based power plant of minimum 500 MW capacity with unit size 200 MW or above for a minimum period of one (01) year in a single contract within preceding 05 (five) years from the date of application.</p>		
6	<p>Documents to be submitted as proof of meeting the stipulated Qualifying Requirements as stated at 5) above</p> <p>Relevant and legible PO copies with detailed scope of work, terms and conditions, BOQ and Client’s Completion Certificates /RA bill/Final Deviation Statement for the work executed and other certificate/documents as mentioned elsewhere.</p> <p>Notes</p> <p>1. The word commissioned / executed means that the bidder should have commissioned/ executed the work within preceding 05 (five) years prior to the date of application even if the contract has been started earlier and/or is not completed/closed</p> <p>2. Reference work executed by the bidder as a sub-contractor may also be considered provided that the certificate issued by the main contractor is duly certified by owner specifying the scope of work executed by the sub-contractor in support of qualifying requirements.</p>		
7	<table border="1"> <tr> <td data-bbox="260 1727 448 1921">FINANCIAL CRITERIA</td> <td data-bbox="448 1727 1461 1921"> <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</p> </td> </tr> </table>	FINANCIAL CRITERIA	<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</p>
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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.

Net worth in combined manner shall be calculated as follows:

$$\text{Net worth (combined)} = (X1+X2+X3) / (Y1+Y2+Y3) \times 100\%$$

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

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.
3. Copies of the unaudited unconsolidated financial statements of the applicant along with copies of the Audited consolidated financial statements of its Holding Company.
4. A certificate from the CEO/CFO of the Holding Company, as per the format enclosed in the application documents, stating that the unaudited unconsolidated financial statements form part of the Consolidated Annual Report of the company.
5. In cases where audited results for the last preceding financial year as on the date of application 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 application documents stating that the financial results of the Company are under audit as on the date of application and the Certificate from the practicing Chartered Accountant certifying the financial parameters is not available.

		<p>Notes for Financial criteria:</p> <ol style="list-style-type: none"> 1. Other income shall not be considered for arriving at annual turnover. 2. "Holding Company" and "Subsidiary Company" shall have the meaning ascribed to them as per Companies Act of India, in vogue. 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.
8	Special Terms & Conditions	<p>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>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	AHD-99	
Name of Enlistment Package	Mega Contract for Ash Handling including ‘Operations and Maintenance (Mechanical)	
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 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> <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.</p>

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> <ol style="list-style-type: none"> 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>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</p>

		<p>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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ANNEXURE-II

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 erected and commissioned Ash Handling System with Dry Fly ash evacuation system for one (01) Coal based power plant of minimum 500 MW capacity with unit size 200 MW or above within preceding 05 (five) years from the date of application.</p> <p>OR</p> <p>b. The applicant should have executed the work(s) of Operation and Maintenance of Ash Handling System with Dry Fly ash evacuation system, in one (01) Coal based power plant of minimum 500 MW capacity with unit size 200 MW or above for a minimum period of one (01) year in a single contract within preceding 05 (five) years from the date of application.</p> <p><u>Please refer Notes of “TECHNICAL CRITERIA OF QR”</u></p>	<p>YES/NO <i>(Relevant document to be uploaded under the tab “QR Documents”)</i></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 “Supporting Invoices / Completion Certificate” 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.