

NTPC LTD

Enlistment of Vendors for Civil Works for Ash Dyke Maintenance

VEC, RAIPUR

1	CEG No.	ADW-03
2	Brief description of CEG	Qualifying requirements for Enlistment of vendors for Civil Works for Ash Dyke Maintenance
3	Responsibility Centre	VEC
4	Enlistment Category	Category 1 (from Rs. 20 lakhs upto Rs. 4.0 crs)
5	Brief scope of work	<p>Area of Execution: Area of ash dyke (s) and its periphery, AWRS Pump House, SWPH (seepage water pump house) area and ash water recirculation system, OFL (Overflow Lagoons), ash pipe line corridor outside the boundary wall, dyke peripheral road, Inspection Road, Ash haulage Road, Roads inside Ash Dyke area, Ash Dyke Drains and other surrounding area of ash dyke.</p> <p>The scope of work under Civil works for Ash Dyke Maintenance shall generally include the following works:</p>

1. Civil maintenance works at ash dyke area involving works like Cement Concrete/RCC work for repairing of existing structures.
2. Making new pedestals, culverts, water escape structure, fencing construction etc.
3. Brick and RR masonry work, Structural work, finishing work such as plastering, painting.
4. Brick pitching, Dry Brick Packing, stone pitching, Gabion wall, Anti-termite treatment for termite hills etc.
5. Repair, maintenance, construction of kerb wall, slope drain, filter, toe drain, Rock Toe, peripheral drain, ramps, spillway, chutes etc.
6. Laying of Reverse filter over sand boiling areas and wet patches.
7. Earth works involving carriage, excavation, banking excavated earth. Repair, maintenance, construction of Earthen Bund.
8. Excavation & banking of ash in layers, forming of ash bund using the surrounding ash, construction of ramp inside/ outside ash dyke.
9. Repair/ Maintenance/ relaying of existing ash dyke area roads, (water bound macadam (WBM)/ wet mix macadam (WMM), Cement concrete, Bituminous etc.).
10. Repair and maintenance of U/S and D/S dyke slope, Rain cuts, filling rat holes. Plantation and Maintenance of grass/turfing on Ash Dyke slopes to avoid rain cuts and for Maintenance of Dyke profile.
11. Clearing Jungle by manual/mechanical means, cutting/trimming of branches of trees/plants, removal/cutting of wild growth/vegetation grass, bushes etc. from the slope, berms, toe of ash dyke, along the ash pipe line and ash dyke surrounding area.
12. Cleaning of toe drain, Peripheral drain, filter drain, Kuchcha / pucca Drain, diversion channel, culverts over nalas, siphon (consisting of RCC Hume pipes below canal). De-silting of inlet structure/ WES (water escape structure)/ channel/ chambers along the RCC pipe line from inlet structure.
13. Repair & replacing of RCC precast slabs in decant towers, WES (water Escape structures).
14. Fugitive Dust Control Measures by operation and maintenance of the sprinkling system including laying/dismantling/shifting of pipelines, providing sprinkler if required. Carrying out operation of Dust suppression by Chemical/ organic spray, by developing green cover, Earth cover/

HDPE sheet cover etc.

15. Supply and laying of stone boulders, aggregate, earth, moroom, sand, wooden ballis etc.
16. Supply and filling of sand/ bottom ash in cement bags/ geo bags
17. Providing, fixing piezometer, settlement gauze, level sounder.
18. Providing and laying of Non-woven geotextile/coir-based geotextile, Perforated/ Non-perforated PVC pipes, Hume pipes, MS cross drainage pipes.
19. Deployment of workers for Round the clock patrolling, watch& ward, monitoring of critical parameters & taking readings. Deployment of labour for Emergency work and other manual operational work etc.
20. Deployment of Machinery like Hydraulic excavator/ Backhoe loader (JCB)/ Poclain, Water Tanker, Hyva/ trucks, compactors, dozers/ front blade tractor/ rear blade tractor, tractor trolley etc.
21. Deployment of DG set, dewatering pump, diesel pumps etc.
22. Lettering and painting in the dyke area with synthetic paint/ glow paint etc., placing radium stickers. Providing & placing Safety tape & safety checkpoints.
23. Removal of under water vegetation growth/ Water Hyacinth/ Other weeds from Over Flow Lagoon/ Ash Dyke etc.

Exclusion: Above Enlistment does not Include following:

1. Civil works required for Construction of Raising works (Inward/Upstream raising works, Outward Raising /centre-line raising/ buttressing/ Peripheral Filling/ Starter Dyke works)
2. Major Structural Steel Works (including fabrication, erection & associated Painting)
3. New work pertaining to Bituminous / CC Road Construction.
4. Construction of building and pump houses.
5. Dredging/ De-silting works for Over Flow Lagoon
6. Exclusive proposals pertaining to any single activity of 'Road maintenance/ road construction works', deployment of machineries/ pumps/ vehicle/ water tanker/ Man-power, 'Dust suppression by Chemical/ organic spray', HDPE liner works.

		<p><i>Note: The above scope of work is indicative only and the exact scope of works would be projects/ station/ site specific and shall be given in Tender documents.</i></p>
6.	<p>Technical Qualifying requirements</p>	<p>A. Technical Criteria</p> <p>The applicant should have executed the work(s) of “construction/ maintenance” of “ash dyke /reservoir/ Dam/ River Guide Bund/ irrigation canal” during last five (05) years as on last date of submission of application.</p> <p>Notes for Clause A above for Qualifying Requirements:</p> <p>I. Reference work executed by an applicant as a sub-contract may also be considered provided the certificate issued by main contractor is duly certified by Project Authority/ owner specifying the scope of work executed by the sub-contractor in support of Qualifying Requirements.</p> <p>II. 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.</p> <p>III. In case of orders under execution, the value of work executed prior to the date of Techno-Commercial bid opening duly certified by applicant’s client shall be considered acceptable.</p> <p>IV. For arriving at the executed value of work specified above, basic amount only shall be considered. In case contract is inclusive of taxes, applicant should provide the break – up of basic value and taxes.</p>
	<p>Document to be submitted by Vendor in support of meeting QR</p>	<p>Relevant PO copy and Client’s Completion Certificate/RA Bill/Final Deviation Statement.</p>
7	<p>Additional Documents to be submitted</p>	<p>Other Documents to be submitted:</p> <p>In addition to the documents required in support of meeting Technical Qualifying Requirements as stated above, following documents are required to be submitted by the Applicants applying for enlistment-</p> <p>i. Three POs with BOQ of the highest executed values of similar work during previous five years from the last date of submission of application and Copy of Completion Certificate /RA Bill/Final Deviation Statement from the concerned client in support of successful execution of work against each of the POs to be submitted.</p> <p>ii. Audited balance sheet including Profit & Loss statement for the</p>

		<p>previous three completed financial years reckoned from the date of application. In case the audited results for the preceding financial year is not available, certification of financial statements from a practicing-chartered accountant is to be uploaded. In case, applicant is not able to submit the certificate from practicing chartered accountant certifying its financial parameters, the audited results of the three consecutive financial years preceding the last financial years shall be considered for evaluating the financial parameters. Further, a certificate would be required from the CEO/CFO stating that the financial results are under audit as on date of application and certificate from the practicing chartered certifying the financial parameters are not available.</p> <p>iii. NSIC / SSI / MSME registration certificate and PF & GST/Service Tax registration certificate.</p> <p>iv. PAN, PF and GST registration certificates</p> <p>v. Any other documents in addition to the above which the applicant wants to submit to get enlisted.</p> <p>vi. NTPC can ask other documents as necessary during evaluation.</p>
8	NOTES:	<p>1.0 Similar work means: The works of “construction/ maintenance” of “ash dyke /reservoir/ Dam/ River Guide Bund/ irrigation canal”, read in conjunction with Notes mentioned under QR.</p> <p>2.0 Other income shall not be considered for computing annual turnover.</p> <p>3.0 Executed Value means basic value (excluding taxes) of the P.O. pertaining to executed similar work. Where P.O. value is composite, the applicant should have to give break-up of Composite PO value mentioning Basic Value, taxes etc.</p> <p>4.0 In case the PO includes portion of similar work, then the work executed with respect to Similar work only will be considered for arriving executed value.</p> <p>5.0 The word “executed” means the applicant should have achieved the criteria specified in the qualifying requirements within the preceding Five (5) year period even if the contract has been started earlier and/or is not completed/ closed.</p> <p>6.0 For the PO/WO which were awarded prior to preceding 5 years from the last date of submission of application, the value of work executed in the preceding 5 years from the last date of submission of application will be considered.</p> <p>7.0 In case of contract(s) under execution as on the last date of submission of application, the value of work executed till such date will be considered.</p>

9	Execution Capability Criteria for Enlistment	<p>The minimum threshold limit for Execution Capability (EC) and Average Annual Turnover (AATO) of Enlisted Vendors shall be Rs.20,00,000 (Rs. Twenty Lakh).</p> <p>If any applicant does not submit the required documents so that their Execution Capability/ AATO exceeds Rs.20,00,000 (Rs. Twenty Lakh), such applicant shall not be considered for enlistment even if they meet the qualifying Requirement (QR) of subject Enlistment.</p> <p>Execution Capability of the vendor to execute similar work shall be calculated based on the values of three POs of highest execution value submitted by vendor as defined in the following table with an example:</p> <table border="1" data-bbox="507 645 1503 1644"> <thead> <tr> <th data-bbox="507 645 778 882">Capability of execution of similar work as per PO values</th> <th data-bbox="778 645 992 882">PO-1</th> <th data-bbox="992 645 1214 882">PO-2</th> <th data-bbox="1214 645 1503 882">PO-3</th> </tr> </thead> <tbody> <tr> <td data-bbox="507 882 778 994">PO values</td> <td data-bbox="778 882 992 994">70</td> <td data-bbox="992 882 1214 994">60</td> <td data-bbox="1214 882 1503 994">55</td> </tr> <tr> <td data-bbox="507 994 778 1227">Execution Capability as per One/two/three POs</td> <td data-bbox="778 994 992 1227">70x1.25=87.5 (E.C. up to 87.5 L)</td> <td data-bbox="992 994 1214 1227">60x2=120 (E.C. up to 120 L)</td> <td data-bbox="1214 994 1503 1227">55x2.5=137.5 (E.C. up to 137.5 L)</td> </tr> <tr> <td data-bbox="507 1227 778 1644">Execution capability of the vendor to execute similar work</td> <td colspan="3" data-bbox="778 1227 1503 1644"> 137.5 (Highest of 87.5, 120 and 137.5) Vendor is capable to execute work up to cost estimate 137.5 L i.e. eligibility limit for enlistment up to cost estimate 137.5 L </td> </tr> </tbody> </table>	Capability of execution of similar work as per PO values	PO-1	PO-2	PO-3	PO values	70	60	55	Execution Capability as per One/two/three POs	70x1.25=87.5 (E.C. up to 87.5 L)	60x2=120 (E.C. up to 120 L)	55x2.5=137.5 (E.C. up to 137.5 L)	Execution capability of the vendor to execute similar work	137.5 (Highest of 87.5, 120 and 137.5) Vendor is capable to execute work up to cost estimate 137.5 L i.e. eligibility limit for enlistment up to cost estimate 137.5 L		
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10	Plants covered under the enlistment	PAN NTPC																