

Structural Strengthening of Natural Draft Cooling Tower in TPP 600x4 MW

SCOPE OF WORK

This enquiry concerns the service to be provided for structural strengthening of Natural Draft Cooling Tower in TPP 600x4 MW Thermal Power Plant of Vedanta Ltd., Jharsuguda. The details of work are mentioned below:

SI. No.	Description	Quantity	UOM
1	<p>Surface Coating</p> <p>High performance moisture compatible corrosion & weather resistant protective coating</p>	18000	Sq. m
2	<p>Pressure Injection Epoxy Grouting</p> <p>Pressure grouting of waterproof cementitious material to be carried out at duct and basin</p>	1200	Sq. m
3	<p>Cementitious Concrete</p> <p>Non shrink cementitious concrete for repair of damaged reinforced concrete structure</p>	684	Sq. m
4	<p>Epoxy Zinc Coating</p> <p>Epoxy zinc coating to be painted over the prepared surface of reinforced structure</p>	684	Sq. m
5	<p>Water Stoppage System</p> <p>Treatment of Expansion Joints with Polyurethane sealant to ensure zero leakage of underground water or water from external source</p>	100	Rm

- The vendor shall arrange manpower with valid gate pass, access arrangement, tools & tackles etc. required for successful completion of the work well in advance for proper planning and execution.
- Transportation of materials at site shall be arranged by the vendor.
- Lifting tools and tackles shall be arranged by the vendor.
- Prior to execution of the job, the vendor shall submit a plan of the entire jobs.

- Daily progress reports have to be submitted to Engineer in charge.
- Vendor has to follow Vedanta Ltd., Jharsuguda's safety standards.

Guarantee/Warranty:

Vendor shall be guaranteed completion of work after inspection by a competent engineer deputed by Vedanta Ltd., Jharsuguda. If any problem arises, it shall be rectified by the vendor till the Vedanta engineer certifies it okay.

Health, Safety and Environment:

- Safety shall be given utmost importance while carrying out any job. Vendor has to strictly follow Environment, Health and Safety policies of Vedanta Ltd., Jharsuguda. Any instruction or notice given by Vedanta to the vendor's representatives shall be deemed to have been given to the vendor.
- Portable tools, welding machine, cutting machine, etc. have to undergo fitness test certification and necessary documents have to be submitted to the Safety and Engineer in charge personnel of Vedanta Ltd., Jharsuguda.
- Engineer with 3+ years of experience and Safety Officer shall be deputed in the field to ensure that the work is being carried as per Safe work Procedure (SWP).
- Hazardous chemicals must be stored separately and Material safety data sheet (MSDS) for the specific chemical to be placed in the site.
- All environmental protocols must be followed with regards handling of chemicals and empty cans should be disposed on daily basis at the scrap yard.
- Defensive Driving Training from Safety In charge of Vedanta Ltd., Jharsuguda, must be undertaken by the vehicle operators.
- Height Pass and Confined Pass must be taken prior to start of work. In case any of the vendor's staff face medical issues during the period of examination, they will be detained from work by Vedanta Ltd., Jharsuguda, until proper description is received from Vedanta's Occupational Health team.
- Safety documents for day to day working on plant equipment/system must be received by Vedanta Ltd., Jharsuguda's Engineer in charge
- Appropriate Personal Protective Equipment(s) (PPE) is compulsory at site. Vendor has to provide all required PPEs to their employees. The list of PPEs includes, but is not limited to, safety helmet, safety shoes, hand gloves and mask.
- Vendor's personnel deputed on field must wear PPEs like safety shoes, chemical suite, helmet, safety goggle etc. all the time while on the job.

Terms & Conditions:

Mobilization: Mobilization of manpower, material, tools and machinery shall be done within 01 week from the date of issuance of PO or date of intimation of site clearance by Vedanta EIC. In case there is

delay in issuance of gate pass by Vedanta due to non-provision of required documents as per the process, the same shall be in vendor's account.

Contract Duration/Completion of Work: The work, as listed in scope of work, shall be completed within 25 days from the date of issuance of order or site clearance given by Vedanta EIC. Mobilization period is excluded in the contract duration.

Quality: The quality of material(s) supplied by the vendor for the completion of the work shall be certified by Vedanta Ltd., Jharsuguda EIC before initiation of installation.

Warranty period: Defect liability shall be 5 years from the date of completion of entire job. During warranty period, if any problem arises related to supplied material then the same shall be addressed & resolved by the vendor at free of cost.

PPE: All PPEs required for the job shall be in the scope of the vendor.

Insurance: Insurance of vendor's material, machinery and manpower shall be in scope of vendor.

Completeness: All the resources required and jobs to be executed for completion of work as per the contract shall be arranged by vendor.

Boarding & Lodging: Boarding and lodging of manpower supplied by vendor for completion of job shall be in scope of vendor.

Transportation: Transportation of manpower, material and machinery required for the completion of work shall be in scope of vendor.

The owner's scope shall be to provide the following:

- Electricity (if required) shall be provided by Vedanta at no extra cost to vendor. However, connectivity to electricity source provided by Vedanta shall be in the scope of the vendor.
- Available water sources shall be provided by Vedanta at no extra cost to vendor. However, transportation of water from the allocated water source shall be in the scope of the vendor.