

Scope of Work & Technical Specification for “Protection of boundary wall along with Tangari River at 400/220 kV Panchkula sub-station of POWERGRID”

(a) **SPECIFICATIONS FOR WORK. QUALITY AND WORKMANSHIP:**

The specifications are intended for the general description of the work, quality and workmanship. The specifications are not, however, intended to cover the minute details and the work shall be executed according to the relevant CPWD specifications and in absence of CPWD Specifications, the work shall be executed according to the recommendations of relevant Indian Standard/International Code like ASTM/DIN or according to the instructions of the Engineer-in-charge. All the materials to be consumed shall confirm to the approved makes of materials specified in the Power Grid CoV and in its absence shall be of ISI make from reputed manufacturers or their main authorized dealers to ensure that no duplicate/ spurious makes are used in the works.

(b) Wherever reference to CPWD/ Indian Standard Codes and practices is made, they shall be referred to the edition / revision of the same, issued 7days prior to the date of opening of this tender.

(c) The bidder must obtain clarification, if any, regarding the specification and all other tender documents before submission of the tender in writing with the owner in respect of interpretation of any portion of these documents.

(d) **TEST OF MATERIAL/ WORKMANSHIP:**

The extent of quality control and quality of workmanship shall be as specified in Standard field quality plant of (SFQP) OF POWERGRID enclosed with bid documents /CPWD Specifications/ IS Codes/ International Codes like ASTM/DIN. All tests required for all materials as desired by the Engineer-in-charge shall be at Contractor's cost.

(e) This work includes **Protection of boundary wall along with Tangari River at 400/220 kV Panchkula sub-station of POWERGRID** by making Gabbion wall of

different section as per site requirement, backfilling and cleaning of nallah along the boundary wall.

- (f) All works shall be carried out as per instructions and specifications provided by the Employer. In case any item is not covered under specification then same shall be carried out as per CPWD specification and applicable Standards and Codes. Any item for which specification is not provided herein and is not covered under CPWD specification shall be executed as per manufacture guidelines.
- (g) All materials shall be of best quality conforming to relevant Indian Standards and Codes. In case of any conflict between Standards/Codes and Technical Specification, the provisions of technical specification shall prevail.
- (h) The contractor shall arrange labor, tools, equipment, materials, formwork, SCAFFOLDING, temporary works, constructional plant & machinery, fuel supply, transportation and all other incidental items not shown or specified but as may be required for complete performance of the works in accordance with drawings, specifications, and direction of Engineer-in-charge.
- (i) The scope of work includes construction of Gabbion wall of different section as per site requirement, backfilling and cleaning of nallah along the boundary wall.
- (j) Standard Field Quality Plan (SFQP) appended with this specification shall be followed. Relevant clauses of CPWD specifications and IS codes shall be followed for items not covered in the SFQP. For items not covered in SFQP, CPWD specifications and IS Codes the testing plan shall be as per international codes and industry practices.
- (k) Material and components not specifically mentioned but which are necessary for completion of works shall be deemed to be included in the scope. All such materials and components shall be arranged and transported by the contractor at his cost and expense
- (l) The quantity will be checked by the Engineer-in Charge or his authorized representative in respect of materials as well as construction activities.

- (m) It is the responsibility of the contractor to complete the work with safety. All PPE's and other measures pertaining to safety shall be arranged by the contractor at its own cost.
- (n) The contractor shall take necessary insurance policies if applicable (Workmen Insurance & All Risk Policy) related to manpower along with the machinery deployed in POWERGRID premises before start of the work.
- (o) The contractor shall arrange the boarding/lodging of the manpower on its own.
- (p) All the manufactured items shall be brought from standard list for the indicative makes of the material. Manufactured items shall be brought directly from manufacturer or authorized dealer with traceability of the MTCs (if applicable). for construction materials to be procured from quarry, mines such as Stone, Coarse aggregate, Fine aggregate, etc., Conformity/compliance of the material shall be in line with relevant IS codes as applicable.
- (q) The contractor or his authorized representative should be available at site during working hours, who will supervise all the work under the scope of the contract
- (r) The contractor/agency has to do all the job/supply of required materials/tools and tackles. which is not specifically mentioned or specified in the BOQ but is required for completion of scope of work, then same shall be provided/carried Out by the contractor without any additional cost to POWERGRID.
- (s) The party shall maintain all the records required under Various labor laws and acts as and when required by the concerned statutory authorities for inspection. In case it is found the agency has not complied with any statutory requirement under various labor laws/acts POWERGRID being the Principal employer shall make the payment and will recover the same from agency's payable bills falling due immediately in this Contract or from any running Contract of the agency in POWERGRID, with additional implication of 15% as POWERGRID's overhead over and above the penalty charges levied.
- (t) In case, agency fails to provide requisite T&Ps, manpower, materials etc. at site for the completion of the subject work, the same shall executed/procured by

POWERGRID and used for the said work at risk and cost of agency with an additional financial implication of 15% as POWERGRID's overhead.

- (u) Contractor shall acquaint with the site conditions before quoting for the bid for the subject work. Any deviations may be brought forward for its Clarification from POWERGRID in the Prebid discussion.
- (v) The agency shall mobilize at site within a week day from the date of LOA/Notification Of award to take up the work. Zero (0) date for the contract shall be considered on the completion of 1 week for mobilization from date of LOA/Notification Of award.
- (w) Work completion period will be Three months from the date of LOA/Notification On of award.
- (x) First Aid: To deal with emergency/accident eventualities at work site, the contractor shall make all necessary arrangements such as first aid box, vehicle for emergencies etc at site at his own cost.
- (y) Quantity variation as per POWERGRID grid standards i.e.= $1 \pm 25\%$.