

### Special Conditions for Civil Work

**Name of work-** *NGP-Proposal for cleaning of vegetations, water tank, sewer line etc. of Guard line colony and service building for 2 years under ADEN HQ NGP.*

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1. PCE's letter No. W.460.WQ.VI dated 22.12.2017 and Dy.CE(W)CSMT's letter No. W.187.R.A./XII/Circular dated 04.02.2021 for ensuring quality of works and maintaining site records in contracts shall be followed.
2. PCE Circular-208 vide letter No.W.187.R.A./XII/Circular dated 08.04.2021 regarding guiding limits of maximum cement content in concrete Mix Design for Railway structures shall be followed during execution.
3. Steel and Cement shall be used as per special conditions issued vide Dy.CE(W) CSMT's letter No. W.187.R.A.1/Special condition dated 14.01.2020
- A) **Cement:** The contractor shall procure the cement of the specified grade, confirming relevant IS Codes, manufactures in major cement plant, such as Ultratech, ACC, GRASIM, Ambuja, JK, Birla etc.
- B) **Steel:** The contractor shall procure the reinforcement steel (TMT Bars) and structural steel, as per IS-1786 and IS-2062 respectively, produced by Indigenous and Primary producers of steel having integrated steel plants, such as SAIL, TISCO, RINL, JISCO, JINDAL, ESSAR or RDSO approved manufactures of TMT bars, whose registration is valid during procurement."
4. WKS-G-1 guidelines on Repairs and Maintenance old structures on Indian Railways shall be followed.
5. Approval of Drawings for Alteration/Addition and Construction of Buildings- Para 741 of Engineering Code and GCC July 2022 Para 19 (4) to 22 (5)- All existing work in progress, drawings should be approved by respective Sr. DENs/DENs. No alteration/addition and construction of any structure should be taken up without approval of Sr.DENs/DENs. *"Measurements recorded in the MB are tallying with approved design/drawing by competent authority.*
6. Contractor will provide architectural drawings with elevations etc. complete, structural design details/drawings, design calculations, GAD (i.e. foundation, beams, lintel, column, roof etc. based on railway approved GAD and will get it approved from railway. Contractor will also submit 3 copies with soft copy (2 nos.CD/pen drive) to railway for the same.
7. Design shall be followed for respective zones and should be resistant from various disasters occur in respective zones. Design shall be proof checked by IIT / NIT/ Govt engineering college which will be further got approved from railway before actual commencement of work.
8. Contractor has to submit completion plan in 75 Micron double mate GARWARE or similar tracing film for each drawing indicating all minor, major detail based on actual execution and signed by site supervisor (SE/SSE Works) and AEN (Works) before submission of final bill. In addition to Completion plan the contractor shall also submit the drawings stored on CDROM/ pen drive) failing this a recovery at a rate of 20000/- (Rs. Twenty thousand only) shall be made.
9. These rates quoted by contractors in this tender shall be inclusive of preparation and submission of architectural drawings, structural design etc. and completion plan, nothing extra shall be paid on this account. (FOOT NOTE - Required in case where standard/approved design, drawing is not available or as directed by engineer in charge.)
10. Supply and fix roofing sheet- The contractor shall provide & ensure that sheets are securely fixed with proper hot-dip galvanized J-bolts with nuts, washers, and sealing washers, maintaining alignment, overlap, and watertightness as per specifications; rate inclusive of all materials and labour, and no separate payment for fasteners; any defects/leakages to be rectified by the contractor at own cost and **use of tap screw is prohibited.**

  
DRM(W)NGP