

**ENGINEERING OPEN-LINE
(TENDER DOCUMENT)**

e-Tender No.: **RTM/2026-27/49**



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Name of work: **Bakanian Bhaunri and Bolai Station- Raising of platform no.1, 2 & 3 at Bakanian Bhaunri Station and 04-meter-wide Foot Over Bridge with 02 ramps on each Station at Bakanian Bhaunri and Bolai.**

Scope of Work: - Bakanian Bhaunri Station - PF01 -Rail Level to High Level - 470M x 6M = 2820Sqm, PF 2/3 -Rail Level to High Level- 450M x 8M = 3600Sqm, Total Rasing area 6420Sqm, 4-Metre-wide FOB with Two Ramp, Providing Platform Wall in RM Both Platform-920RM

Bolai Station - 4 Metre wide FOB with Two Ramp Station at PF No.1 & 2, Cement concrete Granite benches with mini sheds on platforms 08 set x 02 platforms = 16 sets etc.

- Note-** (i) The above scope of work is tentative and may vary while execution as per site requirements and as per GAD/drawings, the decision of Railway representative will be final and binding to the contractor.
- (ii) In case of any signal & telecom cable to be coming during the execution of work then manual excavation to be done properly by the agency.
- (iii) Work to be done by as per R.D.S.O. drawing/railway approved drawing/guideline.
- (iv) Railway reserves the right to add and alter/delete any work/structure without assigning any reason thereof.
- (v) However, Railway reserves the right to change the above location during the execution of the work.
- (vi) Work of Schedule- (DSR Items) should be done strictly as per - All items of DSR 2023 Vol - 1 & 2 - (Item Directory -CPWD-DSR-2023-Ver-1), Government of India Central Public Works Department specifications: Volume- I & II of the year 2019 or latest update, duly corrected up to date.
- (vii) Work of Schedule (WR -HQ -IRUSSOR Items) - WR HQ-IRUSSOR-2021 should be done as per Indian Railways Unified Standard Specifications Earth work in cutting & Embankment, Bridge work & P. Way works of Engineering Department -2021

Special Condition Special Condition FOB & P.F., COP, Ramp

- (1) Work is to be carried out as per approved GAD & Structural design is to be done Provide by agency and got approval from Railway based on site condition/S.B.C, Proof check by IIT/NIT.

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- (2) In case FOB only column & plate girder is to be fabricated at SBI and carted by agency & other assembly correction etc. is to be carried out at site & paid through USSR 2021 in relevant item Except USSOR 2021 items schedule however other remaining works like ramp, stair case etc. is to be carried out through DSR 2023 items & specification and any supplementary required at site will be paid in DSR 2023 as per accepted rate. Steel reinforcement required in R.C.C. for IRUSSOR & DSR will be paid in DSR 2023 in relevant items (5.22.6 & 5.22A6).
- (3) All shuttering work will be providing according to work at site. Steel shuttering shall be confirming the latest I.S. code applicable to steel shuttering (I.S. 14687).
- (4) All safety measure during launching of girder should be followed for agency Labour/supervisor as well as track/Railway assets. If any damage during his working, the cost shall be bear by agency.
- (5) During launching all machinery T&P, Labours, will be arrange by agency of any machinery required to execute the whole work in power and traffic block at site.
- (6) Agency will use the construction materials like river sand aggregate etc. river sand of approved quality i.e. Narmada, Banas or approved by Railway authority.

SPECIFICATIONS AND SPECIAL CONDITIONS FOR SUPPLYING UTILIZING OF CEMENT

- 1) Cement so procured by the Contractor shall be fresh conforming to as per New USSOR-2021/DSR 2023 or latest IS cement code. After a receipt of each lot a sample of cement at the direction of Engineer shall be tested for initial / final setting time, compressive / Tensile strength, soundness etc. as per relevant IS code (latest version) at contractor's own cost. Only on receipt of satisfactory certificates this cement shall be allowed to use on works. The procurement of cement shall be planned by the contractor so that it does not affect the progress of works.
- 2) The contractor shall have to submit the cash memo along with the lot of cement purchased from the various retailers / cement factory to SSE/Works in taken proof of purchase of cement from reputed dealer. No cement shall be accepted by the SSE/Works without cash memo.
- 3) All empty bags shall be taken away by the contractor after use of cement and cost of empty cement bags shall not form part of quoted rates against these items.
- 4) Cement consumption register shall be meticulously maintained giving quantity of work done / consumption of cement of each day.

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- 5) Cement bags left out after completion of work shall be taken by the contractor and the railway shall not make the payment against these bags.

REINFORCEMENT STEEL (TMT BARS) AND STRUCTURAL STEEL

- (A) All Reinforcement Steel (TMT Bars) and structural Steel shall be procured as per specifications mentioned in BIS's documents-IS:1786 and IS:2062 respectively. Independent tests shall be conducted, wherever required, to ensure that the materials procured conform to the specifications.
- (B) Steel shall be procured only from those firms, which are established, reliable, indigenous and Primary producers of steel, having integrated steel plants (ISP), using iron ore as the basic raw material and having in-house iron rolling facilities, following by production of liquid steel and crude steel, as per Ministry of Steel's guidelines e.g. , "SAIL/TISCO/JINDAL/RINL/ESSAR/HSCO".
- (C) However, only certain isolated sections of structural steel, not being rolled by IPSs, can be procured from the authorized re-rollers of ISPs or authorized licensee of BIS having traceability system and who use billets produced by ISPs.
- (D) The steel procured shall be reasonably free from cracks, surface flaws, laminations, rough and imperfect edges and all other harmful defects. Steel sections, shall be free from excessive rust, scaling and pitting and shall be well protected. The decision of the Engineer regarding rejecting any steel section on account of any of the above defects shall be final and binding.
- (E) Structural steel work shall conform to the requirement as specified in Indian Railway unified Standard Specifications (Works and Materials) Vol. I & II.
- (F) Necessary purchase bill along with test certificate for steel shall be obtained and submitted to the Engineer in Charge. Steel without the test certificate from approved laboratory/Engineering college shall not be used in the work. Certified copy of the same shall be submitted to Divisional Office along with running bills/final bills. Steel shall be tested for Tensile strength and bend test as per IS:1599 as specified in Indian Railway Unified Standard Specifications (Works and Materials) Vol. I & II.
- (G) Quantity for this item shall be calculated as per nominal weight of steel section for the length actually used in the work. No payment will be made for the wastage and the contractor will be allowed to take away the scrap and excess steel away from site.
- (H) The contractor shall be responsible for getting the measurement of steel entered in to steel register and signed by the Engineer in charge of the work before concreting is done to avoid dispute regarding quantity of steel used in the work.
- (I) The rates quoted for this item is deemed to be inclusive of the cost of binding wire and no separate payment shall be admissible for the same.
- (J) The steel shall be kept by the contractor under his custody at the site of work and railway will not be responsible for any theft thereof.
- (K) The quantity so payable under relevant item shall be restricted to the quantity as per approved plan/drawing and decision of the Engineer in Charge in this regard shall be final and binding upon the contractor.

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SPECIFICATIONS AND SPECIAL CONDITIONS FOR GAD/ DESIGN

SPECIFICATIONS AND SPECIAL CONDITIONS FOR GAD/ DESIGN Contractor will provide architectural drawings with elevations etc complete, structural design details/drawings, design calculations (i.e. foundation, beams, lintel, column, roof etc.) and will get it approved from railways. Contractor will also submit 3 copies with soft copy (2 nos.CD/pen drive) to railway for the same.