



SPECIAL CONDITIONS AND SPECIFICATION OF CONTRACT PART II

Vadodara (P) -Upgradation of Passenger Interface Areas west side and Augmentation of Parcel Office Facilities for Passenger.

CONDITIONS IN GENERAL: -

- 1.1 Conditional offers will not be considered.
- 1.2 The tenderer should carefully study all the general/special conditions and specification accompanying the tender schedule/form in general and get himself/ themselves acquainted with the site conditions. In case of any confusion/contradiction the same may please be clarified.
- 1.3 The Entire work covered under the scope of this tender shall be carried out in accordance to WR Headquarters letter No W65/0(Policy) Vol.VI/E401 dated 14.01.2021 for procedure for ensuring safety at work site. At no cost the safe movement of trains shall be compromised to during the execution of the work and contractor shall be solely held responsible for any accidents arising out of noncompliance of safety instructions and shall be liable to pay for the damage to railway assets and other charges as applicable. In addition to the above as per WR HQ CCG's Letter No W632/0(OLD) policy correspondence (Comp. No. 113766) Dated 13.08.2025, the system of "□□□□□ □□□□□ □□□□□□□□ □□□□□ □□□□□", **(Dainik Karya Nishpaadan Anumati Patra) at worksite Must be followed strictly so as to ensure proper safety at Work Site.**
- 1.4 The relevant notes applicable to the respective sub chapter of USSOR/DSR will apply to the items of the tender schedule and should be considered as having been incorporated in the contract agreement and shall be binding to the contractor.
- 1.5 Before starting concreting work, the contractor shall submit design mix for various grades of concrete to be used from Govt. approved Institute/Laboratory at his own cost as per IS 10262-1982. The same shall be approved by Sr. DEN or DEN in charge of the section & only then the work shall commence. Whenever Engineer in charge desires, even during progress of work, contractor shall be bound to re-arrange design mixes from Govt. approved Institute/ Laboratory at his own cost.
- 1.6 **SUPPLY OF WATER:-**The contractor should make at his own cost arrangement for supply of water required for the works including water, required for testing purpose as well as for drinking purpose.
- 1.7 **ELECTRIC SUPPLY:-**If Railway power is available nearby, the same can be provided to the contractor with necessary charges as per extant rules. Usage charges shall be borne by the Contractor. If Railway power is not available, the contractor shall make arrangement for power connection at his own cost. Since the execution of the work may extend beyond the day hours, the site should be amply lit. No extra payment shall be done on this account.
- 1.8 The locations, quantities and execution methodologies are tentative and Railway administration reserves right to alter these at their own discretion and will without assigning any reason for the same.
- 1.9 All precaution have to be taken by the contractor to avoid damage to Railway assets, track, signaling and OHE gears while working & carting out materials. Contractor will be completely responsible for safety of materials and his labour. The Contractor has to ensure provisions mentioned in JPO issued as Telecom Circular No 17/2013 dated 24.06.2013 for undertaking digging work in the vicinity of under ground signaling, electrical & telecommunication cable.(Circular Attached). In case of damage is caused to OFC/Quad Cables etc during the execution of the work, the contractor is liable to pay a penalty as mentioned in JPO No 17/2013 for damaging the cable. Further damage to railway assets, if any are liable to be recovered from the bills of the contractor at the prevailing market rates.



- 1.10 In accordance with Railway Board's Letter No 2019/V3/ECR/Engg/08-PC(R) dt. 08.04.2021 & its recommendations, and vide WR HQ CCG's letter No WR-HQENG (WWTC)/2/2021/E-426740 Dated 08.02.2024, **The Original Invoice of material should be obtained to ensure traceability & usage for each and every material component (Including steel, cement etc). Additionally, it must be ensured by the concerned field officials/officers that for each and every material transaction (i.e of Cement/Steel/Other Material/etc) , its original invoices must be obtained from the contractor mandatorily with clear cut enlisting of details on the invoice like details of agency, Name of Project, site location etc by the executing officials before submitting each bill to division. The invoices should be signed by railway officers, SSE/JE, to confirm their acceptance. Consolidated record of the invoice of the work shall be meticulously maintained. It must also be ensured that third party material test certificate have batch No/Lot No./Cast No./Batch Code etc along with agency, name of project, site location, GSTIN number etc endorsed by executing officials before passing the bill to ensure traceability of each and every test report for co relation at later stage.**
- 1.11 Railway reserve the right to change the scheme/methodology for execution of work as per the site conditions. Necessary changes in the work order shall be processed accordingly if required.
- 1.12 The work is to be executed as per the Railway's approved plan. This plan is only for general guidance & actually item to be operated shall be as per the tender schedule & site condition. Decision of Engineer-in-charge or his representative shall be final and binding on the contractor. The plan is available in the Drawing Office of Vadodara division for reference. Tenderers are also requested to visit the sites of work before quoting their rates.
- 1.13 In case of any dispute arising out of the punctuation and or any typographical error in the schedule, the same will be corrected with reference to CPWD-DSR-2023 in original manuscript available with COS/WA.
- 1.14 Improvement of Quality of Works As per **PCE Circular No. 88**, all executing agencies must strictly adhere to the prescribed protocols during execution of works. Supervision and execution shall be carried out in accordance with the approved design and methodology, and only materials conforming to the specified standards shall be used.
- *** Recommended makers/manufacturer of Civil Materials as per Chief Engineer (Works & SD) letter No. WR-HQENG (WWTC)/4/2019/E-907 dated 22.04.2026. All Sanitary fitting items, Tiles (with spacer & sealant/filler) & paint colour works will be carried out after approval of minimum concern ADEN In-charge.**

Instructions for Execution of CPWD DSR-2023 Items

1.30 The items of CPWD DSR 2023 shall be carried out in accordance with the item description and specifications of the items mentioned in the item description and its corresponding specifications in the CPWD Specifications and test results in proof of the materials used, confining to the specifications mentioned in the CPWD specifications shall be submitted with each progress bill. It must be ensured that the item is executed as per the CPWD specifications.

SPECIFICATION OF CEMENT

(A) The cement used shall be any of the following and type selected should be appropriate for the intended use.

- (i) 53 Grade Ordinary Portland Cement conforming to IS:269
- (ii) Rapid hardening Portland Cement conforming to IS:8041
- (iii) Portland slag cement conforming to IS:455
- (iv) Hydrophobic Cement Conforming to IS:8043
- (v) Low heat Portland cement conforming to IS:12600



(vi) Sulphate resisting Portland cement conforming to IS:12330

(B) The cement shall be packed in jute sacking bags conforming to IS:2580-1982, double hessian bituminized (CRI type) or woven HDPE conforming to IS:11652-1986 woven polypropylene conforming to IS:11653-1986, jute synthetic union conforming to IS:12174-1987, or any other approved composite bags, bearing the manufacturers name or his registered trade mark if any, and grade and type of cement.

(C) Every delivery of cement shall be accompanied by a producer's certificate confirming that the supplied cement conforms to relevant specification. These certificates shall be endorsed to the Engineer for his record. Certified copy of the same shall be submitted to Divisional Office along with running bills/final bills.

(D) Every consignment of cement must have identification marks on packages indicating date of manufacture and grade and type of cement. **Cement when brought to work shall not be more than 6 weeks old from the date of manufacture. In case due to some reason it is not possible to use the cement within three months then it should be use only in lean concrete and PCC work only.** Effective precautionary measures shall be taken to eliminate dust nuisance during loading or transferring cement. The procurement of cement shall be planned by the contractor this does not affect the progress of work.

(E) Cement in bags shall be stored and stacked in a shed which is dry, leak proof and as moisture proof as possible. Flooring of the shed shall consist of the two layers of dry bricks laid on well consolidated earth to avoid contact of cement bags with the floor. Stacking shall be done about 150 to 200mm clear above the floor using wooden planks, old wooden sleepers or scrap GI sheets. Cement bags shall be stacked at least 450mm clear of the walls and in rows of two bags leaving in a space of at-least 600mm between two consecutive rows. In each row the cement bags shall be kept close together so as to reduce air circulation. Stacking shall not be more than 10 bags high to avoid lumping under pressure. In stacks more than eight bags high, the cement bags shall be arranged in header and stretcher fashion, i.e. alternately lengthwise and crosswise so as to tie the stacks together and minimize the danger of toppling over.

(F) Different type of cement shall be stacked and stored separately. Cement bags shall be stacked in a manner to facilitate their removal and use in the order in which they are received. For extra safety during monsoon, or when cement is expected to be stored for an unusually long period, each stack shall be completely enclosed by a water proofing membrane, such as polyethylene/tarpaulin, which shall cover the top of the stack. Care shall be taken to see that the water proofing membrane is not damaged at any time during use. Cement which is set or partially set should on no account be used. Storage of cement at the worksite shall be at the contractor's expense and risk. Any damage occurring to cement due to faulty storage in contractor's shed or on account of negligence on his part shall be the liability of the contractor.

(G) After receipt of each lot of cement at go-down a **sample of cement at the direction of Engineer in charge shall be tested at contractor's own cost for (a) Fineness, (b) Soundness, (c) Setting time (initial and Final), (d) Compressive strength & (e) consistency of standard cement paste as prescribed in IS code) IS:4031 Part-II, Part-III, Part-V & Part-VI for each lot or every 50 tonnes or part thereof. Only on receipt of satisfactory certificates this cement shall be allowed to be used on the work. Certified copy of the same shall be submitted to Divisional Office along with running bills/final bills.**

(H) Cement shall be procured/purchased from cement factories/authorized dealers/retailers from various popular brands mentioned under **Chief Engineer (Works & SD) letter No. WR-HQENG(WWTC)/4/2019/E-907 dt.21.08.2025.** (Any relaxation in these cement brands should require prior approval of Competant authority of Railway) The contractor shall have to submit the cash memo along with the lot of cement purchased from the various cement factories/authorized dealers/retailers to Engineer in Charge in token proof of purchase of cement from reputed cement factories/authorized dealers/retailers. **No cement shall be accepted by the Engineer in charge without cash memo. Certified copy of the same shall be submitted to Divisional office along with running**

**bills/final bills**

(I) No payment shall be made for the cement used in works rejected by Engineer. 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 the item of cement.

(J) Cement consumption register shall be meticulously maintained giving quantity of work done/consumption of cement of each day.

(K) Cement bags left after completion of work shall be taken away by the contractor and Railway shall not make any payment against these bags.

SPECIFICATION OF STEEL ITEMS**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 and should be as per **Chief Engineer (Works & SD) letter No. WR-HQENGG(WWTC)/4/2019/E-907 dt.21.08.2025. (Any relaxation in these steel brands should require prior approval of concerned DEN/Sr.DEN).**
- c) However, only certain isolated sections of structural steel, not being rolled by ISPs, 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 CPWD Delhi Schedule of Rates of 2023 (DSR – Vol-I & Vol.-II), CPWD Specifications (Vol. 1 & Vol. 2).
- 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 CPWD Delhi Schedule of Rates of 2023 (DSR – Vol-I & Vol.-II), CPWD Specifications (Vol. 1 & Vol. 2).
- 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. After finishing concrete binding wire shall be cut and sealed.**



- 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.

**SPECIAL CONDITION FOR DRAWING, DESIGN AND ARCHITECTURAL VIEW WITH ALL RESPECT TO
PLAN ELEVATION AND SECTION OF CIVIL WORK.**

- A. If tender involves Civil Engineering works like office building / structural building / shed work etc then following conditions will apply also.
- B. Railway will provide only location plan, architectural plan of subjected work Based on location plan and requirement of Railway contractor will submit detailed drawing, design with all respect to details including foundation design, RCC design and structural design etc. for the approval of Sr. DEN / DEN of the work. No extra payment will be paid to the contractor for submission of drawing/design duly proof checked by Government recognized college/Institute.
- C. The contractor shall submit the name, qualifications and experience of government approved design Engineer who has prepared detailed drawing of proposed Civil works.
- D. The contractor has to prepare and submit the design calculations and drawings within 30 days of acceptance of the tender.
- E. The contractor shall submit detailed design calculation along with drawings as mentioned above duly checked and certified only by recognized Engineering College. In the calculation references consulted or where ever any formulas on tables are used should be mentioned.
- F. The design Engineer will be required to attend the meeting at office of the Railway for preliminary discussing of scrutiny remarks extra. Whenever required with all reference data, books, IS specifications etc. at his own cost.
- G. It will be the duty of the contractor and design Engineer of the contractor to clarify, modify, redesign, finalize and submit the design and drawings as per scrutiny remarks offered by the Railways within 30 days of the issue of acceptance letter.
- H. On final approval, contractor shall supply free of cost three sets of design and Drawings duly bound for the use of the Railways in soft and hard copy including original tracing.
- I. The design submitted by the tenderer will be the property of the Railway and Railway shall free to use the same for future.
- J. Cost of design and geological investigation i.e. bearing capacity of soil etc. will be borne by the contractor and payment for consultant, foundation design, RCC design and all the above mentioned planning/activities etc. shall not be payable by the Railway and any alteration, amendments in design or drawing etc. as required by Engineer during execution shall be borne by the contractor and rates offered by the contractor shall be deemed to be inclusive of such cost.
- K. Any other civil works will be carried out as per Railways approved plan, which will be advised by Railway as finalized by competent authority.

END OF SPECIAL CONDITION AND SPECIFICATION OF CONTRACT PART II