

SPECIAL CONDITIONS AND SPECIFICATION OF FOB

1. **Supply of steel:** All steel materials required for strengthening/repairing of structural members shall be supplied by the contractor. The structural steel used shall be from approved list of RDSO and shall produce the relevant Test certificate from recognized Test house along with the bills. All steel shall conform to IS-2062 Gr A/Gr.B.
2. **Painting :** a) Painting shall be done after through cleaning of steel surface by removing oil, grease, dirt, mill scale and other contaminated materials manually or by mechanical process as directed by site Engineer. Priming coat shall be done by one coat of ready mixed paint zinc chromate priming to IS:104 and there after one coat of zinc chrome red oxide priming to IS:2074. There should be a gap of 48 hours in between each coat of paint for drying.
b) Finishing coat- Two coats of aluminium paint of IS:2339.
c) All paints to be used for painting of steel members should be as per relevant IS Code.
3. **Defects:** Any fabricated materials found defective and unacceptable in the opinion of the Site Engineer shall be fully replaced by the contractor with its own labour and materials.
4. **Inspection:** Contractor shall allow the railway representative to inspect the work at all reasonable time and offer all facilities to conduct such inspection at any stage of work. Contractor shall arrange to supply necessary gadgets, template and other tools for checking the fabricated and other materials. Following testing equipment shall be kept at site:
 - i) Elcometer.
 - ii) Inside and outside calliper.
5. **Disposal of dismantled materials:** The released steel materials shall be transported to store of concerned Inspector at contractor's cost. The released materials shall be kept under the safe custody of contractor in the site by deputing contractor's watchman till such time the released materials are deposited to concerned Inspector. The contractor shall be penalized for shortfall of any released materials by an amount calculated at double the Railway's last auction rate of similar released steel materials and will be recovered from Contractor's bill.
6. **Rates:** Contractor shall quote rates taking the difficulties, detentions etc. into account which he feels may be encountered in course of execution of the work and nothing extra will be paid on this account.
7. **Specifications:** Specifications will be as per IS Code referred below :-

I	IS-2062 Gr.A/Gr.B	Structural steel.
II	IS-104	ready mixed paint zinc chromate.
III	IS-2339	Paint Aluminium of general purpose.
IV	IS-2074	Paint red oxide for general purpose.

N.B:- Latest revision of the IS code will be in forms if any revision take place. A copy of above codes shall be available at site office of contractor.

8.Site Inspection Certificate : Tenderers are requested to inspect the site before quoting rate to assess the type of works to be executed and must submit a certificate in this regard.

9.Time schedule:- On acceptance of the tender, the contractor shall within 15 days submit his time schedule for different activities for completion of work within the stipulated period. The work is required to be executed during day and even in night, if necessary to facilitate completion of the work within time schedule. If work is carried out at night, contractor shall take prior approval of the Engineer in writing and all lighting arrangement is to be borne by the contractor.

10.Progress Report : The contractor shall also submit fortnightly progress report bringing out the progress vis-à-vis the time schedule submitted by him for the work as per approved Performa.

11. All cranes working during block shall be undertaken with sufficient standby arrangement as mention in special condition.

(i) Minimum standby crane should be available during block period to ensure the completion of work even with the failure of working crane. The Assistant Engineer shall inspect or depute his representative to inspect all document and crane and then declare the crane is fit for Railway block working. Crane shall be moved to the site of work only after the same has been declared fit by the Engineer-in-Charge of the work.

(ii) The wire rope D-shackles, hooks and such other temporary arrangement use for lifting load shall be in goodshape, free wear and tear and shall not suffer from twist/ permanent deformation etc resulting the load carrying capacity. Assistant Engineer may permit the load carrying arrangement tested prior to this date to be use to work if the condition of such arrangement is satisfactory. If Assistant Engineer is not satisfied with the condition of such arrangements, the load test shall be carried out a fresh.

(iii) Crane working, whether in block or otherwise shall be carried out under the supervision of technical person well versed in crane working. The supervisor shall liaison with the site engineer and carry out work carefully and safely as per instructions received.

(iv) Good communication equipment, between different crane operators, Supervisors and site engineers shall be provided for coordination and safe working.

(v) Good practices as per IS codes for crane working shall be adopted for the work. No short cut or local practice shall be allowed. The load shall be lifted ensuring proper balance. The slings must be protected at the sharp edges. The overloads on keys, hooks, slings, ring etc. through wrong angel of loading must be avoided.

(vi) Cranes must be earthed while working in the vicinity of the charged OHE line in double or multiple line section. Proper care must be taken to ensure that the load/boom do not infringe maximum moving dimension of other line(s) which is not blocked.

(vii) Sufficient wooden blocks and packing material must be arranged as site advance. The working area must be sufficiently leveled for convenient and fast working.

NOTES:-

1. The rates are inclusive of all taxes including Comml. Tax, Con. cess wherever applicable and other charges livable by the Govt.
2. Latest General condition of contract and standard specification of works with up to date correction slip and latest DSR & USSOR with up to date correction slip should be followed.
3. No. extra lead lift or any other charges other than mentioned in the schedule will be paid to the contractor for spl. Items.
4. The materials to be supplied/used should be as per I.S specification and must be got approved by the concerned ADEN.
5. Concrete should be mixed by the approved power driven mechanical batch mixture and vibrator.

12. Engagement of Graduate Engineer- Minimum 02 nos. graduate engineers required to be deployed by the contractor for various activities contained in the works contract.

13. Minor alteration in the fabricated supplied members i.e. cutting, drilling which may be required during execution of work at site, the work will be executed by agency at his own cost.