

SOUTH CENTRAL RAILWAY



Office of the Principal Chief Engineer
5th Floor, Rail Nilayam
Secunderabad-500025.

No.W.573/YARDS/ESOs

Date: 01.06.2021.

ENGINEERING STANDING ORDER NO. 93

Sub: Preparation of ESPs and Completion Drawings of Station Yards.

Procedure for preparation of completion drawings is mentioned under Para 911 of IRWM which reads as under:

“Signed copies should be submitted by Assistant Engineer or the Engineer responsible to the Divisional/Dy.Chief Engineer for works completed to the approved drawings. These should indicate the work as actually carried out and Alterations or modifications which may have been made from the working plans should be marked on the prints in Red ink.”

In South Central Railway, the completion drawings for Yards executed by Divisions are signed by the respective ADENs and DENs/Sr.DENs and for works executed by Construction Organisation, the Completion Drawings are signed by concerned AXENs/XENs, Dy.CEs and CEs/Con. In respect of works executed by RVNL/RITES/RE, the drawings are being countersigned by the respective DENs/Sr.DENs also after signature of RVNL/RITES/RE officials.

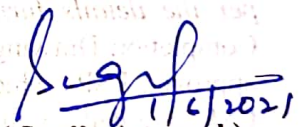
During the scrutiny of ESPs received for works proposed to be executed by Construction Organisation/RVNL/RITES/RE, it is observed that the ESPs made for the proposed works are not matching with the earlier approved ESPs and there are lot of deviations.

“No Completion Drawings were made by the Executing Agencies for the completed works as per the details furnished by the Division except for a few projects”. In the absence of Completion Drawings, the ESPs for the proposed works are being compared with the earlier approved ESPs which might have modified during the execution. In some of the cases, the CSRs are getting changed and Points & Crossings are falling in the transition portion, Track centre spacing's are infringing IRSOD which requires PCE relaxation/CRS Sanction and there is change of gradients which requires CRS Condonation.

To avoid such instances in future, following instructions are issued in respect of preparation of yard ESPs and Completion Drawings :-

- 1) ESP of a yard involving any proposed work affecting the existing yard should be based on the earlier approved completion drawings or actual taken at site in the absence of completion drawing and all the relevant measurements of existing yard should be incorporated in the ESP before processing for approval.

- 2) After commissioning of a proposed work, it should be ensured that the Completion Drawing is prepared correctly as executed at site and shall be certified by the concerned DEN/Sr.DEN of the Section, to ensure correctness of the measurements in the Completion Drawings which becomes the basis for preparation of any ESP for future works.
- 3) If the deviations for the approved ESPs are significant in nature and requires the condonation/sanction of the authority for such deviations, the same shall be processed by Executing Agencies, duly furnishing the reasons for not adhering to the approved ESPs.
- 4) Any ESP processed for approval of HQ's in case of doubling/Tripling by executing agencies and any modifications planned by open line shall be based on the previous completion plan signed by concerned Divisional authorities.
- 5) Completion Drawing shall reflect the works executed at site and in case of any major changes, the Executing Agencies shall process for all the required approvals and in case of possibilities to eliminate such deviations, the Executing Agency shall be asked to rectify those things and reflect in the completion drawing before handing over the Section to Open Line.
- 6) All the major deviations such as reduction in CSR, infringements to IRSOD, extra clearances in curves for track centre spacing and implantation of the signal post/mast, change of gradients, points & crossings taking off from the transition portion of the curves, gradients falling in the transition portion of the curves, change of the degree of curves during execution in deviation to the approved ESP shall be brought to the notice of THOD/CTE by Sr.DEN/Co-ord. based on the Joint Inspection with the Construction Organisation/RVNL/RITES/RE officials before taking over the Section and appropriate action to be taken by Divisions/Executing agencies before taking over the section by Open line.


 (Sanjiv Agarwal)
 Principal Chief Engineer

C/- CAO/C/SC

C/- CPD/SD, CTE, CBE, CGE, CE/RSW, CE/BRH, CE/W, CE/P&D, CE/SD, CE/TP & CE/TM.

C/- GM/RITES/SC, CPM/RVNL/SC, CPM/RVNL/MAS.

C/- Sr.DENs/Co-ord/SC, BZA, GTL, GNT, NED & HYB, Dy.CE/RE/SC.