Sub: Provision of VHF based approaching Train Warning System for Track Maintainers’ on Golden Quadrilateral & its Diagonals on Indian Railways.


Zonal Railway wise distribution of sanctioned cost of the subject work, which is appearing at Item No. 789 under Plan Head – 31 (Track Renewals) in Northern Railway in Pink Book 2018-19 at a cost of Rs 91.61 Crore, was advised vide Board’s letter under reference along with instructions for its execution.

Trials of the system have been carried out on South Central Railway followed by NR, NER and SECR. After the first pilot project in SECR which was successful, trials as per RDSO’s specification were advised to be carried out on NR, NER, SR, SECR and WR. The feedback of trials have been received from NR, NER, SECR. Having considered the same, Board has decided as under:

i) Zonal Railway may proceed with the invitations of the Tenders and execution of the work.

ii) The present specification of the system require availability of clear line of sight for VHF communication. This aspect should be properly checked and ensured while planning implementation of the system, particularly, in hilly terrain. In this regard RDSO’s Technical Advisory Note circulated vide letter no. STT/Tele/ATWS/795 Vol.III dated 31.8.18 should be referred for necessary action.

iii) As the system has limitation that it requires clear line of sight, proper survey should be carried out in each block section, before implementation, to identify the dark zones which shall be marked with suitable boards at site to warn the track maintainers that the Approaching Train Warning System will not work in the marked stretch and that they should be extra vigilant when working in such stretch/zone.
iv) This being a safety item, procurement of the system should be carried out from sources approved by RDSO.

v) Prompt and regular feedback should be sent to RDSO regarding the performance of the system as the implementation progresses, for any improvisation that may be needed.

This issues with the approval of CRB, ME and DG (S&T).

(Pradeep Nagar)
Director Civil Engg. (Planning)
Railway Board

Copy to:

1. DG/RDSO for information and necessary action. - RDSO is advised to take immediate action for issuing final specification and for increasing vendor capacity for execution of the project.

2. DG/S&T, Railway Board for kind information.