Sub: Guidelines for Construction of Formation on Indian Railways.

Board (ME) has nominated a Committee comprising of following members for preparing comprehensive Specification for Construction, repairs & rehabilitation of Formation on Indian Railway Track:

(i) Sh. Brijesh Kumar, ED/GE/RDSO – Convener
(ii) Sh. Akshay Jha, CTE/SCR – Member
(iii) Sh. Alok Tiwari, CE/Con./SWR – Member
(iv) Sh. R.K. Shekhawat, Sr. Professor/IRICEN – Member
(v) Sh. J.S. Mehrok, ED/Structures/RVNL – Member
(vi) Sh. S.K. Negi, GGM/WC-2/DFCCIL – Member

Committee may co-opt any other member, if required.

The Terms of References of the Committee are as under:

(i) To prepare comprehensive Specification for earthwork covering all aspects of execution of earthwork in Railway Formation in Construction and Open Line. Various guidelines related to earthwork issued by RDSO should be incorporated as appendices of specifications.

(ii) The present Guidelines i.e. GE:14 contains Guidelines for Construction of Formation for 30T Axle Load in addition to 25T Axle Load and 32.5T Axle Load. The new specifications should contain Provisions for Construction of Formation for 25T and 32.5T Axle Load only as further Standards/Operation are not being contemplated for 30T Axle Load on projects.

(iii) The specification should contain provisions for widening of Formation such as in Doubling and Gauge Conversion projects.

(iv) The specifications should contain methodology for repair of cess, widening of cess/formation in open line maintenance.
(v) The specifications should cover guidelines for formation treatment for existing formation.

(vi) The specification should suitably cover the issue of the usage of cuts soil from tunnel and rocks, if found suitable for formation works.

(vii) The specifications should contain fitness of type of formation w.r.t. speed.

(viii) The details of modern equipments required for construction and testing of formation in large projects should be incorporated as appendix.

(ix) The testing methodology to adjudge suitability of soil for formation and quality of construction should be incorporated in the specifications.

Preparation of Specifications should be completed in two month’s time. Thereafter, it should be uploaded for comments and finalized after reviewing the comments.

In the interim period, the letter No. RS/G/108/Heavy Axle Load dated 26.10.2016 issued by RDSO on Provisions of Guidelines for Designs/Construction of Formation on Indian Railway Track should be incorporated as a correction slip to GE:14 for which EDGE/RDSO should take necessary action.

Necessary action may be taken accordingly.

(Pankaj Tyagi)
Director Civil Engg.(Plg.)
Railway Board