

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

RBE No.: 64/2014

No. E(GP)2008/2/6

New Delhi, dt: 24.06.2014

The General Managers,
All Indian Railways and Production Units.

Sub: Syllabus for professional papers for 30% LDCE for promotion to Group 'B' post of AEN in Civil Engineering Department of Railways/Production Units.

Ref: Railway Board's letter No. E(GP)2008/2/6 dated 09.08.2012.

Vide this office letter of even number dated 09.08.2012, a revised syllabus has been prescribed for promotion to Group 'B' post of AEN in the Civil Engineering Department. In this regard, it has been decided to include a topic on track machines as per the details given in the annexure separately as item No. 19 of Paper-II in lieu of item No. 3(g)-maintenance and working of various track machines included in this paper.

2. These instructions will be effective from the date of issue of this letter. However, LDCEs for which written examinations have already been held or are at an advanced stage need not be disturbed.
3. Please acknowledge receipt.

M. Saluja

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RAILWAY BOARD

Syllabus for professional papers for 30% LDCE for promotion to Group 'B' post of AEN in Civil Engineering Department.

Paper-II

Item No. 19:

- (i) Provisions of Indian Railway Track Machines Manual.
- (ii) Working principles and performance parameter of various Track Machines on Indian Railways.
- (iii) Engines: Classification of IC engines, basic terminology, working principles of IC engines, main systems of diesel engines: air supply system, fuel supply systems, lubricating systems, cooling system.
- (iv) Controls and working systems of various Track Machines.
- (v) Working of various Track Machines: Pre- requisites, pre- block preparatory works, operations during block, post-block attention works.
- (vi) Working of tamping machines in design mode.
- (vii) Performance and quality parameters in tamping, squeezing pressure, squeezing time, vibration pressure and tamping depth.
- (viii) Maintenances schedules of various track machines.
- (ix) Troubleshooting
- (x) Rules for movement and working of track machines.