



GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RAILWAY BOARD

No.2014/Track-III/TK/7

New Delhi, dt. 9.05.2014

S. E. Rly

Principal Chief Engineer
All Indian Railways

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Sub: Coverage of track machines subject in exams for Departmental Selection from Group "C" to Group "B" in Engineering Department-
Reg:

During AM/CE's recent visit to IRTMTC/ALD, it was represented that track machine subjects are not given adequate coverage on several railways in the exams for selection from Group 'C' to Group 'B' and as a result, SSE/JE(Track Machines) find it difficult to qualify in the examination which is adversely affecting their promotional avenues.

The above issue has been examined in Board's office. It is noted that in respect of 70%(LGS) selection, no syllabus has been prescribed from Railway Board in terms of para 204.2 of IREM. However, zonal railways have prescribed their own syllabi with varying coverage of track machines and varying level of detailing of the syllabus.

The above matter has been reviewed in Board's office and Board (ME) has approved that railways should give adequate coverage to track Machines in examinations for selections from Group 'C' to Group 'B'.

In respect of 70% LGS, the model syllabus is enclosed for guidance. Railways are advised to incorporate it in the syllabus with suitable further expansion as per level of detailing in local syllabus.

PCE
PL put up to
PCE
arrival on his
copy/PCE

21/5
PCE

is Secy to make a
a spiral bound booklet
of Syllabus and circulate (T.K. Pandey)
this letter as well. Director, TK(MC)
is CE/TK to make ^{immediate} Railway Board
model question paper ~~and~~ based on
this syllabus in 10 days

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DA: As above.

CE/TK

25/5/14
PCE

Copy to: CE/All Indian Railways for information and necessary action.

Secy

PCE Cell

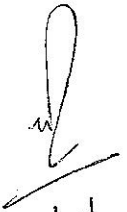
Sri R B Rai
Pls refer to
K2715

Secy
21/5/14
22/5/14

Departmental Selection From Group "C" To Group "B" in Engineering Department

Model Syllabus for Track Machines portion

- (i) Provisions of Indian Railway Track Machines Manual
- (ii) Working principles and performance parameters of various Track Machines on IR
- (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 system, 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) Maintenance schedules of various track machines
- (ix) Troubleshooting
- (x) Rules for movement and working of track machines.


9/5/14