

South Eastern Railway

Office of the
Sr.Divl.Personnel officer
Kharagpur

No. SER/P-KGP/EN/260/10/ESM(Tech-III)/LDCE/Syllabus/25

Dated:14.05.2025

To
The Sr.Divl.Signal & Telecom Engineer (Co)
S. E. Railway, Kharagpur

Sub: Publication approved uniform syllabus for the post of Tech-III/Signal against 25%
LDCE quota in S&T Dept. over S.E. Railway.

Ref: PCPO/GRC's letter No. SER/P-HQ/EN/ESM(Tech-III)/LDCE/Syllabus dtd.
13.05.2025.

Enclosed please find herewith a copy of CPO/GRC's ^{Letter} cited under reference on the above subject
along with the syllabus (Annexure 'A') for information and wide publication amongst all the eligible staff
of this Division.

This is for your information & necessary action please.

Encls: As mentioned above.

Shankar K
Asstt. Personnel Officer
for.Sr.Divl.Personnel Officer
S.E.Railway, Kharagpur

Copy to Ch.OS/IT Cell/Sr.DPO Office/KGP with an advice to upload the same in Divisional website.

Shankar K
for.Sr.Divl.Personnel Officer
S.E.Railway, Kharagpur

O/c
Sain
14/5/25
14.05.25

Q
Deepak Kumar
14/05/2025



दक्षिणपूर्बरिलवे / South Eastern Railway

मुख्यालय/ Headquarters:
कार्मिकबिभाग / Personnel Department
गार्डेनरीच, कोलकाता - ७०००४३
Garden Reach, Kolkata - 700043

NO: SER/P-HQ/EN/ESM(Tech-III)/LDCE/Syllabus

Date: 13 .05.2025

To
The Dy.CSTE/HQ
The Sr. Div. Personnel Officers
(ADA/CKP/KGP/RNC)
South Eastern Railway

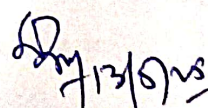
Sub: Approved uniform syllabus for the post of Tech-III/Signal against
25% LDCE quota in S&T Dept. over S.E. Railway.

In order to Standardize the Syllabus for conducting the Selection through CCBT, the syllabus as enclosed has been prepared for probable candidates of the category of Tech-III/Signal (Level-2) against 25% LDCE quota of S&T Dept. of South Eastern Railway. This may be circulated to all concerned so as to enable all the probable candidates to prepare themselves for the forthcoming examinations.

This has the approval of the concerned HOD.

You are therefore requested for the wide circulation of the same and it is also available on the website- www.ser.indianrailways.gov.in .

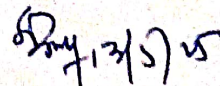
Encl: - As above.



(Satyajit Roy)
Asstt. Personnel Officer (HQ)
for **Pr. Chief Personnel Officer**

Copy forwarded for information to the:-

1. Secy. to GM for kind information of GM
2. PS to PCSTE for kind information of PCSTE
3. PS to PCPO for kind information of PCPO
4. CSE/CSTE(Proj)/CPO(A)
5. Dy.CSTE(Proj)/Dy.CPO(HQ)
6. Sr. DSTE (ADA/CKP/KGP/RNC)
7. APO(HRMS)/APO(Ruling)
8. OS/HRMS-for uploading in the Railway website



for **Pr. Chief Personnel Officer**

**Syllabus for LDCE for Centralized Computer Based Test (CCBT) for
Tech-III/Signal**

I. GENERAL

- ❖ Organization Structure of Railways and S&T Department.
- ❖ Organization Structure of S&T.

II. SAFETY

- ❖ Passenger Safety by duly following Safe working Rules
- ❖ Personal safety while working on the Railway Track, RE area, LC gates
- ❖ Fire Safety-Automatic Fire Detection & Suppression System
- ❖ First aid and cleanliness.
- ❖ Knowledge of Hand signals
- ❖ Protection of evidence at accident sites.

III. TRAIN OPERATION

- ❖ Test room working, Control office working.
- ❖ Disconnection & Reconnection procedures.

IV. SIGNALING SYSTEMS

- ❖ Measuring equipment-Multimeter, Voltmeter, Cable Meggering equipment, Hydrometer, Earth tester
- ❖ Cable: Types of cables, colour coding, earth leakage device(ELD), Insulation resistance value.
- ❖ Points - Periodical maintenance & breakdown attendance of field portion of Point.
- ❖ Track Circuits - Periodical maintenance & breakdown attendance of field portion of Track Circuit.
- ❖ Signals - Periodical maintenance & breakdown attendance of field portion of Signals.
- ❖ Power Supply System - Periodical maintenance of integrated power supply, chargers, inverters, battery bank
- ❖ Level crossing gates-Periodical maintenance & breakdown attendance of Interlocking arrangement of mechanical lifting barrier . Periodical maintenance & breakdown attendance of Sliding boom, Electrically Operated Lifting barrier, Road warning Signals, Hooter.

