

दक्षिणपूर्वरेलवे/SOUTH EASTERN RAILWAY

मुख्यालय/Headquarters
कार्मिकविभाग/Personnel Department,
11, गार्डनरीचरोड/11, Garden Reach Rd,
कोलकाता-43/Kolkata-700043

संख्या/No. SER/P-HQ/EM/JE(DM)/DPQ/Syllabus/2025

दिनांक/Dated: 23.01.2025

To,
The Sr. Divisional Personnel Officer,
South Eastern Railway/KGP/CKP/RNC/ADA.

To,
The Workshop Personnel Officer,
South Eastern Railway/KGPW

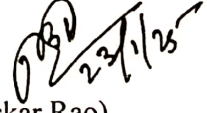
Sub:	Uniform Syllabus for the post of JE(DM) against 25%DPQ in Mechanical Department over S.E.Rly
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In order to Standardize the Syllabus for conduction the Selection through CCBT, the Syllabus as enclosed in **Annexure-'A'**, has been prepared for probable candidates of the category of JE(DM), L-6 against 25% DPQ of Mechanical Department over 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 wide circulation of the same and it is also available on the website- www.ser.indianrailways.gov.in.

Encl: **Annexure-'A'**.


(P.Bhaskar Rao)
Asstt. Personnel Officer (HRMS)
कृतेप्रधानमुख्यकार्मिकअधिकारी
for Pr. Chief Personnel Officer

Copy forwarded for information to the:

- 1) Secy. to GM for kind information of GM.
- 2) Secy. to PCME for kind information of PCME.
- 3) PS to PCPO for kind information of PCPO.
- 4) CMPE/GRC.
- 5) Sr. DME/KGP/CKP/ADA/RNC
- 6) APO(HQ).
- 7) APO(Ruling).
- 8) OS/HRMS for uploading in the official website.

**Uniform Syllabus for the post of JE(DM) against 25% DPQ in Mechanical
Department over S.E.RLY**

SUBJECT
General Abilities
a. Arithmetic's up to 10 standard- Profit loss, fraction and percentage, distance and speed, pipe and cistern, Birth and age, trigonometry, mensuration.
b. Current Affairs- sports, place and person in news, politics, economics, current national issues.
c. General Knowledge related to Indian Railways- History of IR, trains running between important station, basic information about zonal and divisional Railways, ideas on hierarchy of Indian Railways.
Professional knowledge on Diesel Electric Locomotives.
a. General information of HHP locomotives.
b. Different system of ALCO and HHP locomotives. (Cooling system, Lubricating oil system, fuel oil system, compressed air system, CCB system, air intake system)
c. Bogie frame, CBC, Wheels, U / Gear Components, Parameters checking for ALCO and HHP locos.
d. Basic features and trouble shooting of HHP locos.
e. Fuel economy of diesel locos.
f. Safety devices used on diesel locos.
g. Preventive maintenance of ALCO and HHP locos.
h. VCD principal
i. Different types of Braking arrangement.
j. Overhauling procedure of components (HHP locos) : MUI, TCA, TSC, Power Assembly etc.
k. Basic features and trouble shooting of HHP locos.
Professional knowledge on Electric Locomotives.
a. Conventional AC & 3 phase Locomotives on IR
b. Safety during working in Electric locomotives.
c. Basic Electricity.
d. Procedure of isolation of OHE.
e. Reliability and safety action plan.
f. Different types of Braking arrangement.
g. Parts of Pantograph, Schedule Overhauling, trouble shooting and testing procedure.

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h. Bogie frame, CBC, Wheels, U / Gear Components, Parameters checking.
i. Types of compressor used in WAG -7 locomotives. Overhauling, schedule maintenance and testing.
j. Various schedule maintenance and their periodicity.
Establishment rules
a. HOER
b. Leave rules, Encashment of leave.
c. Pass rules
d. D & A rules
e. Medical De-categorization and absorption Medically de-categorized staff
Stores Matter and Financial rules
Knowledge of Rajbhasa

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