



पूर्वतटरेलवे/EAST COAST RAILWAY
मुख्यालयकार्यालय, कार्मिकविभाग, रेलसदन, साउथब्लॉक, भुवनेश्वर
Headquarters Office, Personnel Department, Rail Sadan,
South Block Bhubaneswar-751017



No. ECoR/Pers/CBT/Selection/Tech.III/LDCE/QSQ

Dated :05.12.2025

NOTIFICATION

Sub: Holding of Computer Based Test (CBT) for selection to Technician.III posts in Level-2 against LDCE/QSQ in different Wings/Departments/divisions/workshop over East Coast Railway.

It has been decided to fill up the vacant posts of Technician-III in Level-2 (GP.1900/-) of this Railway on regular basis against LDCE/QSQ quota in different departments /wings/divisions/Workshop over ECoRly. The details of which is given below.

1	No of vacancy	Category wise & Department wise detail vacancies of KUR, SBP, WAT, CRW/MCS & HQrs is attached as: (1) Annexure-A CRW/MCS for Mechanical & Electrical (2) Annexure-B WAT division for Electrical, Mechanical, S&T, Civil Engineering (3) Annexure-C , KUR division for Electrical, Mechanical, Civil Engineering (4) Annexure- D , SBP division for Electrical, Mechanical, S&T, Civil Engineering (5) Annexure- E , Track Machine Organisation, ECoRly.
2	Syllabus	<u>WORKSHOP</u> (1) CRW/MCS (Mechanical) ANNEXURE F (I) (2) CRW/MCS (Electrical) ANNEXURE- F-(II) <u>Common Syllabus for Open line for all division/HQ</u> <u>MECHANICAL</u> (1) Mechanical (<u>Welder, Fitter, C&W/Fitter</u>) Annexure- G (I) (2) Mechanical (Diesel/Mech) ANNEXURE G- (II) (3) Mechanical (Diesel/Electrical), ANNEXURE- G (III)

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ELECTRICAL

- (1) Electrical (Power, TL, AC, Electrician) ANNEXURE- H (I)
- (2) Electrical (TRD), ANNEXURE- H (II)
- (3) Electrical (OP/TRS), ANNEXURE- H (III)

CIVIL ENGINEERING

- (1) Civil Engg (Bridge, Welder, FOM, works, STM, Grinder, Blacksmith.) ANNEXURE-K (I)
- (2) Track Machine Organisation ANNEXURE- K (II)

SIGNAL & TELECOM

- (1) S&T (Telecom) ANNEXURE-L (I)
- (2) S&T (Signal) ANNEXURE- L (II)

		<p><u>ELECTRICAL</u></p> <ul style="list-style-type: none">(1) Electrical (Power, TL, AC, Electrician) ANNEXURE- H (I)(2) Electrical (TRD), ANNEXURE- H (II)(3) Electrical (OP/TRS), ANNEXURE- H (III) <p><u>CIVIL ENGINEERING</u></p> <ul style="list-style-type: none">(1) Civil Engg (Bridge, Welder, FOM, works, STM, Grinder, Blacksmith.) ANNEXURE-K (I)(2) Track Machine Organisation ANNEXURE- K (II) <p><u>SIGNAL & TELECOM</u></p> <ul style="list-style-type: none">(1) S&T (Telecom) ANNEXURE-L (I)(2) S&T (Signal) ANNEXURE- L (II)
3	Pay Scale	Level-2 in 7 th CPC
4	Eligibility condition	<p>(1) Category of staff eligible to apply:- Serving employees in Level-1 (Assistants, Helper, Erstwhile Gr.D staff in Level-1) will be eligible to exercise option only against the vacant posts pertaining to their department, Division and post in unit where seniority of the staff is being maintained.</p> <p>(2) Educational qualification:- All serving Assistants/Helper in concerned division/department unit where their seniority is being maintained possessing the qualification of Matriculation or the equivalent or 10th class under 10+2 system or pass in ITI or Course Completed Act apprenticeship in the relevant trade in railway as prescribed in the Apprentice Act as on date of notification shall be eligible to exercise options for the above selection.</p> <p>(3) Minimum Service requirement:-The candidates must having 02 years regular service in Level-1 as on the date of Notification.</p> <p>(4) Other Criteria:-Staff who are not having Act Apprenticeship/ITI qualification in the relevant trade also eligible to appear in the selection to the post of Technician Gr.III/Level-2 against LDCE/QSQ quota and they shall be promoted on passing the requisite training and the trade test thereafter as per extant rules. In case of staff having the qualification of Act apprenticeship/ITI in the relevant trade, they shall be promoted on being empanelled.</p> <p>(5) (a) As there is no feeder cadre of Helper in power wing in KUR division for promotion to Tech-III (Power), the Helpers of both TL & AC wings of Electrical department are eligible to apply for the post of Tech.III (Power).</p> <p>(b)Helper in AC wings of Electrical Department are only eligible to apply for promotion to the post of Technician-III (AC) as its feeder category of Helper in AC wing is available.</p> <p>(c)Helpers in TL wings of Electrical Department are only eligible to apply for promotion to the post of Tech.III (TL) as its feeder category of</p>

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		<p>Helper in TL wings is available.</p> <p>(d)The Helper of TL & AC wing o Electrical Department can apply for one wing only i.e. either power/TL/AC.</p> <p>(This is in reference to DRM(P)/KUR's letter No. DRM(P)/KUR/Staff-A/Elect(G)/Tech-III(LDCE)/2025 dated 04.12.2025.)</p>
5	Last date of exercising and Submission of option application by the applicants.	<p>(i) Eligible and interested staff working in Level-1 can exercise their options only against the vacant posts of respective division, department and seniority unit where their lien is being maintained and against the post for which they are eligible to apply in the prescribed format. (Copy enclosed)</p> <p>(ii) Option applications may be submitted to Sr.DPO/DPO/WPO of concerned division/MCS &HQ through their Controlling Officer/Supervisor on or before 26.12.2025</p>
6	Responsibility of Controlling Officer/Supervisor of concerned the department concerned.	<p>(i) Controlling Officer/Supervisor may submit the duly filled application after verification as per service records to Personnel department of concerned HQ/division/Workshop immediately as soon as received.</p> <p>(ii) Applications received after due date will not be entertained.</p>
7	Responsibility of Personnel Department of Division/HQ/WS	<p>(I) Applications received by Personnel department may be Scrutinised/verified as per service records and to publish the eligibility and ineligibility list of the optees at divisional/Workshop/HQ level against their vacancy endorsing only the copy of eligibility list to HQ Office/BBS by 02.01.2026.</p>
8	Representation if any by the applicant	<p>i) Applicants/optees may submit their representation by 7.1.2026 if any against the list of eligibility and in-eligibility to concerned Sr.DPO/DPO/WPO of division/workshop and to PCPO only for TMO for disposal .</p> <p>ii) Representation of optees will be disposed of by concerned division/workshop and final eligibility list to be submitted to HQ Office/BBS by 12.01.2026.</p>
9	Publication of consolidated Final eligibility list.	<p>The final consolidated eligibility list of all optees applying to different posts of division, Workshop & TMO/HQ will be published on 14.01.2026by HQ Office/BBS to handover the list to Examination conducting Agency to issue call letter.</p>
10	.Pre-selection Training to SC/ST candidates (Date for starting PPT is 15.01.2026)	<p>Pre-selection coaching to the eligible SC/ST employees is to be conducted covering the syllabus of the written examination for aforesaid selection and shall be imparted for a period of 3 weeks.(21 days) by respective division/workshop/HQ/Unit The pre-selection training to be completed by 04.02.2026 After</p>

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		completion of pre-selection coaching, a certificate has to be issued by the controlling officer to the effect that all the eligible SC/ST employees have been imparted pre-selection coaching covering the syllabus prescribed for the examination. Sr.DPO/DPO-WAT, SBP, KUR, MCS, C.O of TMO are to ensure completion of mandatory pre-selection training and certificate in this regard in a single bunch in the format to submit PCPO/BBS by 05.2.2026.
11	Tentative date of CBT	14/15.02.2026. The exact date, venue and Time of the written examination shall be intimated separately in due course. However, it is to be advised to volunteering staff that there will be no supplementary examination for the absentees in the examination.
12	Medical Fitness	The employees must be Fit in medical classification of Technician-III of different categories as per extant rules as required for the posts.
13	Mode of selection	<p>a. The eligible staff who satisfy prescribed eligibility condition will be called for selection which will be comprised of written examination on CBT Mode followed by scrutiny of Service Record.</p> <p>Written examination:</p> <p>i. The questions of written Examination will be 100% objective multiple choice type both in Hindi & English.</p> <p>ii. The written examination will be a computer-based test (CBT)/Tablet Based (TBT) where there will be no physical question paper. All the questions will appear on the computer/Tablet and the employee will have to mark their response/answers to the question on Computer/Tablet.</p> <p>iii. There will be 110 questions of objective multiple-choice types with four answer options out of 110 question, 10 questions (Optional) will be from "Rajbhasha" which is optional. Candidate has to answer a maximum of 100 questions .</p> <p>iv. There shall be negative marking for wrong/incorrect answer. One third of the marks allotted for each question will be deducted for wrong Answers.</p> <p>v. Candidate securing 60% of marks in the written examination test will be considered for next stage (Scrutiny of SR & APAR) and those securing 60% or more in aggregate will qualify</p>

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		for being included in the panel. There will be no provision of "seniority" nor "Outstanding" .
14	Duration of Examination	The written examination will be of 120 minutes (Two hours) duration.
15	Objection Tracker	The provisional answer key will be uploaded in east coast railway website{ https://rrcbbs.org.in } on completion of written Examination. The candidates may submit their representation if any, in the provided link, in respect to the provisional answer key within 05 (days) from the date of written Examination. No further correspondence about any wrong answer/question will be entertained after above stipulated period.
16	Issue of Admit Card	a. RRC/ECOR will issue e-admit card online (through website https://rrcbbs.org.in) to eligible and willing employee for appearing in the CBT/TBT. Examination Venue and time of reporting for the written examination will be there in the admit card. As no physical communication will be made after issue of this vacancy notice, it will be the responsibility of the concerned employees to regularly visit https://rrcbbs.org.in website for an update and to download the e-admit card as and when made available by RRC.
17	MOCK TEST	A 15 minute mock test will be conducted before the actual examination to familiarize candidates with the tablet-based interface. Candidate photographs and biometric data will be captured after login through tablet only.
18	Final panel	Final panel will be prepared by division/workshop/HQ for notified vacancies in order of merit based on aggregate marks on professional ability (i.e. written test), Record of Service, passing of requisite medical standard from amongst those who secure a minimum of 60% marks in professional ability and 60% marks in the aggregate. The apportionment of marks under the head of "professional ability" and "Record of service" will be 85 and 15 marks respectively shall be assessed based on the marks secured by the individual employee in the written examination. The written examination of professional ability is to be conducted for 100 marks and that will be converted into 85 marks.
19	Other Conditions	Any other provisions of IREM or circular issued by Railway Board regarding terms and conditions relating to the selection and other conditions applicable if any inadvertently omitted in this Notification should be treated as valid and operative.
20	Wide publicity of Notification	Sr.DPO/DPO/WPO are requested to give wide publicity among eligible staff. The copy of Notification should be displayed on Notice Board at a conspicuous place. All the Supervisors concerned should ensure the same.

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		<p>It is the responsibility of the supervisor of concerned unit to bring the notification to the notice of all eligible staff including the staff who are on deputation/leave/sick.</p> <p>If any complaint is received from the employees for not being notified of the said notification, supervisory staff concerned will be held responsible.</p> <p>This notification is also available in East Coast Railway website at https://rrcbbs.org.in.</p>
21	NOTE:-.	<p>(i) Sr.DPO/DPO/WPO/MCS/HQ of Personnel department are requested to bring to the notice of HQ/BBS if there is any discrepancy in notifying eligibility condition, qualification, criteria of selection etc immediately to HQ Office/BBS so that the same can be rectified accordingly.</p> <p>(ii) The administration reserves the right to cancel the above selection process at any time in the exigencies of service.</p>

- Encl: (1) Unit wise vacancy position.
(2) Common syllabus copies post wise.
(3) Application form


(Subash Chandra Hota)
Assistant Personnel Officer(HQ-I)
for Principal Chief Personnel Officer

Copy to All concerned for information and necessary action:

- (1) PCME/ECOR/BBS, 2) PCEE/ECOR/BBS, 3) PCSTE/ECOR/BBS, 4) PCE/ECOR/BBS, 5) CAO(C)/BBS, 6) DRM/ECOR-SBP, WAT, KUR & CWM/CRW/MCS, 7) CE/TM/ECOR/BBS, 8) Dy.CPO(HQ)/ECOR/BBS, 9) DRM(P)/ECOR- KUR, SBP, WAT, 10) WPO/AWPO/CRW/MCS/ECOR, 11) Sr.DSTE, Sr.DME, Sr.DEN (Co-ord), Sr.DEE/ ECOR-SBP, KUR, WAT, 12) Dy.CPO(RRC)/ECOR- It is requested to upload the Notification in RRC website.13) Ch.OS (RRC) , 14) NOTICE BOARD/PCPO OFFICE/BBS


for Principal Chief Personnel Officer

**ANNEXURE-A
CRW/MCS**

VACANCY POSITION OF TECHNICIAN POST AGAINST LDCE/QSQ QUOTA IN CRW/MCS								
DEPTT	Unit	SrlNo	Name of the category	Total vacancy	Number of vacancy			PwBD (included in total vacancy)
					UR	SC	ST	
ELECT	MCS	1	Tech.III(Power)	2	2	0	0	1
		2	Tech.III/TL	4	2	1	1	1
		3	Tech.III (AC)	2	2	0	0	1
MECH	MCS	1	Tech.III(SMW)	8	6	1	1	1
		2	Tech.III(Welder)	9	6	2	1	1
		3	Tech.III(Painter)	7	6	1	0	1
		4	Tech.III(Fitter MW)	5	4	1	0	1
		5	Tech.III(Motor Mech)	2	2	0	0	1
		6	Tech.III(Carpenter)	9	7	1	1	1
		7	Tech.III(Fitter)	15	12	2	1	1
		8	Tech.III(Machinist)	4	3	1	0	1
		9	Tech.III(Trimmer)	1	1	0	0	1
		10	Tech.III(Crane Driver)	1	1	0	0	1
		11	Tech.III(Spl.Rigger)	1	1	0	0	1
			Total vacancy	70	55	10	5	14

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ANNEXURE-B WAT DIVISION

VACANCY POSITION OF TECHNICIANs POST AGAINST 25% LDCE/IAQ QUOTA IN WAT DIVISION.

	Unit	SrlNo	Name of the category	Total vacancy	Number of vacancy			PwBD (Included in total vacancy)
					UR	SC	ST	
S&T	WAT	1	Tech-III (Signal)	6	5	1	0	1
ELECTRICAL (G)		1	Tech-III (Electrician)	9	6	2	1	1
		2	Tech-III (TL)	3	0	2	1	0
		3	Tech-III (AC)	6	1	3	2	1
CIVIL ENGG		1	Tech-III (Works)	28	22	4	2	1
		2	Tech-III (Bridge)	5	3	1	1	0
MECH		1	Tech-III (Fitter)	11	1	7	3	
		2	Tech-III (Diesel/Mech)	2	1	1	0	0
		3	Tech-III (Diesel/Elect)	8	4	2	2	0
					78	43	23	12

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**ANNEXURE-C
KUR DIVISION**

VACANCY POSITION OF TECHNICIANs POST AGAINST 25% LDCE/IAQ QUOTA IN CBT MODE OF KUR DIVISION.

DEPTT	Unit	SrlNo	Name of the category	Total	Number of vacancy			
					UR	SC	ST	PwBD (included in total vacancy)
ELECT(G)	KUR	1	Tech.III(Power)	13	10	2	1	1
		2	Tech.III/TL	5	3	1	1	1
		3	Tech.III/AC	13	10	2	1	1
ELECT/(TRD)		1	Tech.III(TRD)	11	8	2	1	1
ELECT(OP)		2	Tech.III(OP)	1	1	0	0	1
ELECT/TRS		3	Technician-III (TRS)	5	3	1	1	1
Engg		1	Tech.III/(Bridge)	2	1	1	0	1
		2	Technician-III (Welder)	2	1	1	0	1
		3	Tech.III (FOM)	1	1	0	0	1
MECH (C&W)		1	Tech.III((Fitter)	30	23	5	2	2
			Total	83	61	15	7	11

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ANNEXURE-D SBP DIVISION

Vacancy POSITION OF TECHNICIANS POST AGAINST 25% LDCE/IAQ QUOTA IN SBP DIVISION.								
Deptt	Unit	Srl No	Name of the category	Total vacancy	Number of vacancy			PwBD (included in total vacancy)
					UR	SC	ST	
MECH	SBP	1	Tech.III (C&W)	4	1	1	2	
		2	Tech.III(Welder)	2	2	0	0	
ELECTRICAL (G)		1	Technician-III (Power)	2	2	0	0	
		2	Tech.III/(TL)	1	0	1	0	
ELECTRICAL (TRD)		1	Technician-III (TRD)	16	13	2	1	
S&T		1	Tech.III (Tele)	2	2	0	0	
CIVIL ENGG		1	Tech.III((STM)	1	0	0	1	
		2	Tech.III (Griender)	1	0	0	1	
		3	Tech.III(Blacksmith)	1	0	0	1	
					30	20	4	6

ANNEXURE-E TMO/ECOR

Vacancy POSITION OF TECHNICIANS POST AGAINST 25% LDCE/IAQ QUOTA IN SBP DIVISION.								
Deptt	Unit	Srl.No	Name of the category	Total vacancy	Number of vacancy			PwBD (included in total vacancy)
					UR	SC	ST	
CIVIL ENGG	ECoR/HQ	1	Technician-III (TMO)	67	57	08	02	02 (LD-2, MD-1)

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**COMMON PROFORMA FOR APPLICATION TO THE POST OF TECHNICIAN.III IN
DIFFERENT TRADES AGAINST LDCE/QSQ**

**APPLICATION FOR SELECTION TO THE POST OF TECH-III AGAINST LDCE /QSQ IN
ECOR**

Ref:- PCPO/EcoR/BBS's Notification No. EcoR/Pers/CBT/Selection/Tech.III/LDCE/QSQ dated 05.12.2025		Passport size photo to be pasted	
Application for the post & Trade			
Division...../Unit...../ Department.....			
1	Name of the Employee (In block Letter)		
2	Father's or Husband's Name of the employee		
3	Present Designation & Station	Designation	Station
4	Present Lien maintained in the category/Trade in Level- I in working unit.		
5	Date of initial Appointment		
6	Mode of Recruitment		
7	Grade Pay/Level (Substantive)		
8	Date of regular entry into present grade		
9	Date of Birth	Year	Month
			Days
10	Age as on 05.12.2025		
11	Length of service in level 1 (Helper/Assistant)		
12	Community (UR/SC/ST) as per service record		
13	Date of Screening (In case of appointment as Casual Labour/Substitute) etc.		
14	Lien Maintained (In case of working on deputation in any other Department)		
15	Whether the applicant belongs to PwBD, if yes, Certificate to be enclosed)		
16	Educational Qualification (Documents enclosed) with self- attestation)		

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17	Technical Qualification (Document enclosed with self- attestation)	
18	Fit in medical classification	
19	P.F No:	
20	HRMS ID:	
21	Email id:	
22	Mobile No:	
23	Awards received if any (copies shall be enclosed year wise).	
24	Whether free from SPE/VIG/D & AR cases.	

DECLARATION

I, _____ hereby declare that the information furnished by me is correct to the best of my knowledge. If anything proves false, my candidature may be summarily rejected at any stage and I may be taken up under D & A rules.

Station/Unit:

Signature of the Candidate

Date:

Signature of the Supervisor/In-charge

Controlling Officer

Counter Signature of Personnel Officer

Syllabus for written examination for selection to the post of Tech-III in Pay Matrix Level-2 against 25% LDCE in Mechanical Department, CRW/MCS.

The syllabus for written examination for selection to the post of Tech-III in Pay Matrix Level-2 against 25% LDCE in Mechanical Department, CRW/MCS is as follows: It has been divided into five Sections:-

1. General Awareness & Basic knowledge on Rajbhasa.
2. Mathematics.
3. General Intelligence & Reasoning.
4. Railway Organization, Types of coaches & Types of Maintenance.
5. Technical Ability.

The question paper shall be 100 marks. Weightage of the five different sections of the question papers shall be as mentioned below.

Sl No:	Section	No. of questions.
1	General Awareness & Basic knowledge on Rajbhasa	15
2	Mathematics	15
3	General Intelligence & Reasoning	10
4	Railway Organization, Types of coaches & Types of Maintenance.	10
5	Technical Ability	50

Details of various topics under each section is as follows:-

General Awareness & Basic knowledge on Rajbhasa:

Indian History & India's struggle for freedom, Indian Geography, flora & fauna, Indian Constitution, Indian Heritage & its culture, Common Abbreviations pertaining to India. Fundamental Concept of Science, Understanding of Environment, pollution, global warming & associated issues. Weather Cycles. Fundamental of Computer. Current events & happenings pertaining to India. Personalities in news & sports, Recent Scientific & technological development, Safety & First Aid and Basic knowledge on Rajbhasa.

Mathematics:-

Number System Decimals, fractions, ratio & proportion, percentage, LCM, HCF, simple & compound interest, profit & loss, time & work, discount, elementary algebra, elementary geometry, mensuration, areas & volume, plain trigonometry & elementary statistics.

General Intelligence & Reasoning:-

Non verbal aptitude and Reasoning logical reasoning, analogies, classification, completion of picture series, completion of alphabetical & numerical series, analytical reasoning, similarity, & differences, coding & decoding, figure pattern-folding & completion, mathematical operations, similarities & differences, blood relationship, syllogism, jumbling, set theory & venn diagram, symmetry, data interpretation, data sufficiency, conclusion, flexible thinking, problem solving & decision making.

Railway Organization, Rolling Stocks & Type of Maintenance:-

Structure of Railway Organization, zones, Production Units, Type of Coaches, Maintenance schedule of ICF Coach & LHB Coach, Types of Maintenance (POH & IOH), Abbreviations pertaining to Railway, Leave Rule & Pass Rule, use of HRMS & UMID.

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Technical Ability:-

Basic Physics, density & relative density, volume, temperature (Celsius & Fahrenheit scales), concept of pressure, units & measurement, measurement tools, metre, scale, weight, mass, length, Basic engineering drawing, engineering units, Symbols, Basic Mechanics, speed, velocity, force, torque, acceleration, resistance (mechanical), work, energy, power, hydraulics, pressure, simple gear trains.

Material properties, Metals, alloys, plain carbon steel, alloy steel. Different types of machining, machine tools, hand tools, mechanism, friction, lubrication, knowledge of carpentry tools. Fundamental of Thermodynamics, functioning of IC engines, Types of Fuels & their properties, steam engine.

Fundamental of electricity, electrical circuit & symbols, voltage, current, resistance, (electrical) Ohm Laws, Kirchhof Law, fuses, relays, electricity safety precautions, circuit breakers, isolation & isolator, earthing. Different types of welding process, precautions during welding.

NOTE:-

The above coverage of various sections and weightages thereon, has been formulated keeping in view the normally expected levels of proficiency of knowledge, that would be required from employee of Railway, who is aspiring to the post of Tech-III.

The question paper setter is expected to keep the nature of questions very fundamental, which would test the proper in depth understanding of basic & important concepts, essential to enable better grasp of the underlying principles necessary to master a given trade in which a particular technician would progress in his/her career.

Phuliyar 20/01/23
Dy. CME (POH) / MCS

EAST COAST RAILWAY



Office of the
Dy. Chief Electrical Engineer
Carriage Repair Workshop
Mancheswar,
Date: 08.02.2023

No.MCS/Elect/G-72 (A) 184

7.0.2023

Sub: Revised Syllabus for written examination for selection to the post of Tech.III in pay Matrix Level-2 against 25% LDCE in Electrical Department, CRW, Mancheswar.

Ref.: (i) MCS/Elect/G-72/158 Date: 02.02.2023

(ii) CRW/MCS/Estt./Elect./Tech.-III/25%LDCE/52 dated: 11.01.2023.

1. General Knowledge and Current Affairs.
2. Mathematics – Time and distance, Time and work, Simplification.
3. General Science, Units, Measurements Motion, Force Power, Energy, Electricity etc.

4. ELECTRICAL GENERAL SERVICES

4.1 POWER GROUP: Sub-Station, Pump House, HTLT overhead Lines, Various types of Electrical Pumps, AC Appliances like Refrigerator, Window Air Conditioner, Split Air Conditioner, Water Cooler, Deep Freezers & Bottle Coolers, earth resistance and Insulation Resistance, Periodicity of checking and method of checking desired values. Various types of light, Various type of fans and lights, Energy efficiency, fittings in use, Electrical Safety rules as applicable to General Services etc.

4.2 TRAIN LIGHTING: Maintenance of TL Coaches, System of Working of TL, Various types of train lighting systems, features of modified 110V TL System, Working principle of TL alternator, rectifier-Regulator unit (RRU), Checking of V-Belt tension, maintenance of batteries, light fitting and fans, checking of earth leakage in TL Coaches, Safety aspects of under gear items, Illumination Level, Checking of insulation resistance of coach wiring, schedule of maintenance for primary maintenance coaches, passing trains attention, attention to VIP coaches, Saloons etc., fire preventive measure in TL Coaches, maintenance of pantry equipments, etc.

4.3 AIR CONDITIONING: Schedule maintenance of SG AC & RMPU type AC Coaches, maintenance of Alternator, RRU, Battery, AC equipment, Package unit etc., EOG and LHB Coaches, V Belt checking, safety items check on AC coaches, duties of CM & ACCA, trouble shooting of various failures etc. Maintenance of power cars, fire protection in SG AC & RMPU type

~~AC Coaches.~~

5. RAJBHASA

08.02.2023
Dy.CEE/CRW/MCS

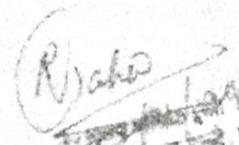
**SYLLABUS FOR TECHNICIAN GRADE-III(FITTER)-25% QUOTA IN
MECHANICAL C&W DEPARTMENT**

1. General Safety, Accidents & Fire fighting.
2. Safety in work place and PPE.
3. Use of measuring tools and their calibration.
4. Use of hand and portable tools.
5. Fundamentals of Arc Welding & Gas Welding & Cutting.
6. First Aid.
7. Fundamentals of lifting and handling devices.
8. Cleanliness of working environment.
9. Air Brake System and Disc Brake System.
10. Wagon maintenance and different pattern of Train Examination in Freight Stock.
11. Maintenance schedules for different (ICF-LHB) coaching stock and wagon stock and their periodicity.
12. Knowledge regarding the procedure for train examination of passenger and goods trains.
13. Knowledge of passenger amenities fitted in the coaches.
14. Different Wheel Defects.
15. Knowledge of Stores regarding Stock items, Non Stock items and Imprest items.
16. Fundamentals of Railway Rules, Conduct Rules, Leave Rules, Pass Rules, D&A Rules etc.
17. Basic knowledge of Electrical Parameters.
18. Familiarity with different metal cutting operation including machining and turning.
19. Subject related to Rajbhasha, Simple Arithmetic & General Awareness



Syllabus for post of Tech-III (Diesel Mechanical)
(20% serving employees quota)DLS/VSKP

1. Fundamental of IC Engine.
2. Salient features of ALCO and HHP Locomotive.
3. Salient difference of different class of Locomotive such as WDG3A, WDM3A, WDM3D, WDG4 & WDG4D.
4. Diesel Loco Maintenance Schedule and its periodicity. Different schedule attention.
5. Different Mechanical Systems of Diesel Locomotives, its schematic diagrams, identification of components and troubleshooting (for both ALCO & GM Locomotives).
6. Cooling water System.
7. Lube Oil System.
8. Air Intake System.
9. Fuel Oil System.
10. Compressed Air System. Different Brake System.
11. Maintenance of under gear Equipment and common wheel defects.
12. Air brake system, Wheel & Axles and common wheel defects.
13. Maintenance of under gear equipment.
14. Safety Devices of locomotives/Safety Devices.
15. Bogie overhaul & Different bogie components and their service limit.
16. Different Mechanical Systems in HHP Loco.
17. Timely modification on locomotives.
18. Failure analysis of current repeated failures and its prevention.
19. Engine data, torque values & other engine parameters.
20. Familiarization to 3-Phase Locomotives.
21. Major overhaul of power pack, engine starting preparations, break in test, load box test.
22. Commissioning of New /Off-POH Locomotives.
23. Lubricants used in locomotives, its specification.
24. Familiarization of WAG9 Locomotive, Maintenance Schedule and its periodicity. Layout and function of different cubicles and machinery used in 3- Phase locomotive.
25. Identification of components of locomotives and its location.
26. Equipment/machinery layout and functions in HHP Loco.
27. Personal Safety at work place, firefighting and other precautions.
28. Cranking of ALCO Engine and notch-up, Cranking of WDG4 / WDG4D Locomotives.
29. Hot weather precautions.
30. General familiarization of WDG4 Locomotives and difference between ALCO & WDG4 Locomotives.
31. Latest modification on locomotives like MCBG, REMMLOT, APU, DPS, CCB.
32. Basic Mathematics.
33. General Knowledge.
34. D&A Rule, Pass Rule & Leave Rule.
35. Rajbhasa.


 Dy. CME (DSL & DM)
 E.Co.Rly Bhubaneswar

**Syllabus for post of Tech-III (Diesel Electrical)
(20% serving employees quota)DLS/VSKP**

ANNEXURE - G (III)

1. Safety Devices of locomotives/Safety Devices.
2. Identification of components of locomotives and its location.
3. Equipment/machinery layout and functions in HHP Loco.
4. Personal Safety at work place. firefighting and other precautions.
5. BASIC Electricity: Knowledge of basic Electrical elements, Electrical Components, Electric Machine fundamentals, Electric circuits, Series and Parallel circuit concepts.
6. Basic Electronics: Electronic components, symbols and functions, Rectifiers, Inverters.
7. Familiarization of WDG4 Locomotive, Layout and function of different Equipment and machinery used in HHP locomotive.
8. Measurements and electrical measuring instruments used for Diesel Loco Maintenance.
9. Cranking of ALCO Engine and notch-up, Cranking of WDG4 / WDG4D Locomotives.
10. Knowledge of different Electrical Control Equipments in Diesel Loco like Relays, Electro Magnetic Contractors, EP Contractor, Switched and Breakers etc & trouble shooting.
11. Hot weather precautions.
12. Overhauling and Maintenance of Traction Machines, Auxiliary Machines and small machines used in Diesel Loco.
13. Fundamentals of Excitation Control System. Types of excitation and details discussion on E-Type Knowledge of MEP System and different subassemblies used in MEP and MCBG.
14. Knowledge of power circuit and Dynamic Circuit.
15. Loco starting and different indications in locomotive.
16. Safety precautions to be maintained while working in Electric Locos.
17. Basic knowledge regarding OHE equipment and its isolation procedure.
18. Working principle and construction of AC/DC machines (Motors, Alternator, Rectifiers and their principle of working and their locations.
19. Maintenance and overhauling of above machine fitted in diesel loco and their trouble shooting.
20. Familiarization to 3-Phase Locomotives.
21. Familiarization of WAG9 Locomotive, Maintenance Schedule and its periodicity. Layout and function of different cubicles and machinery used in 3- Phase locomotive.
22. Symbols used in electrical circuits. Different circuit used in Diesel Loco Schematic diagrams and their study and trouble shooting.
23. Safety devices and latest modification in DE loco.
24. Function of governor and different type used their working principle and trouble shooting in loco.
25. Microprocessor control system. Difference between MEP 660 Ver.2 & Ver.3 additional feature in Ver.3 loco, different sensor used and trouble shooting.
26. Latest modification on locomotives like MCBG, REMMLOT, APU, DPS, CCB.
27. Basic Mathematics.
28. General Knowledge.
29. D&A Rule, Pass Rule & Leave Rule.
30. Rajbhasa.



पूर्व तट रेलवे/EAST COAST RAILWAY
मुख्यालय कार्यालय, कार्मिक विभाग, रेल सदन, साउथ ब्लॉक, भुवनेश्वर
Headquarters Office, Personnel Department, Rail Sadan,
South Block Bhubaneswar-751017



No. ECoR/Pers/Syllabus/Tech-III/G/AC/TL/Electrician/Power/LDCE/NG/Elec

Dated :04.12.2025

Sr.DPO/ECoR-KUR, SBP & WAT

Sub: Common Syllabus for selection to the post of Technician Gr- III (General, AC, TL, Electrician and Power) in Level 2 against LDCE in Electrical Department of East Coast Railway .

The syllabus for selection to the post of Technician Gr- III (General, AC, TL, Electrician, and Power) in Level 2 against LDCE in Electrical Department of East Coast Railway.

1. General Knowledge, Official Language, and Railway Establishment

1	Current Affairs (India/Railways)
2	Indian Railways: Abbreviations, Latest Who is Who
3	Rajbhasa
4	Organization of Indian Railways: Railway Board, Zonal/Divisional structure and establishment
5	Railway Staff Rules: Pass Rules, Leave Rules, PNM, DAR, Settlement Scheme, Workers' Compensation, HOER Incentive Scheme, Service Conduct Rule
6	Material handling & storage, report, record-keeping, and documentation procedures

2. Mathematics

1	Time and Distance
2	Time and Work
3	Simplification

3. General Science

1	Units and Measurements
2	Motion, Force, Power, Energy, Electricity

4. Electrical Syllabus

A. Power Group & General Electrical Services

1	Structure and layout of sub-stations, compact sub-stations, pump house, HT/LT overhead lines: installation, maintenance
2	Working/principle/maintenance of: Refrigerators, Window AC, Split AC, Inverter AC, VRF AC, Centralized Package AC, Water Cooler, Electrical Pump, etc.
3	Earth Resistance & Insulation Resistance: Periodicity, method of checking, desired values.
4	Auto Change over CLS Panel
5	Types of energy-efficient light fittings and LED luminaires
6	Standard LUX levels for various locations
7	BLDC vs Conventional Fan, Smart/Pre-paid/Post-paid Energy Meter, On-grid/Off-grid Solar Power
8	Automation & control of electrical appliances (Pump, Escalator, Lift, Street-light, etc.)
9	Electrical safety: Rules, devices, ART/ARME, fire safety and prevention, detection/suppression measures, extinguishers, alarms, critical points, settings, and tolerances for major power supply equipment.
10	Energy conservation measures, energy audit, conventional & renewable energy, Railway Bijli Samadhan App.

Handwritten signature and date
4/12/25

B. Train Lighting

1	Maintenance and principle of SG/EOG/HOG TL/Non-AC Coaches, Train Lighting (TL) system
2	Features of modified 110V SG/LHB TL system
3	Working principle of TL Alternator, Electronic Rectifier-Regulator Unit (RRU/ERRU), V-belt tension, batteries, light fitting, carriage fan
4	9/15 kVA Transformer, REBC, WRA, ratings of electrical equipment, fuse ratings
5	Provision of Train Control (TC), attention to VIP/Special/Saloon coaches
6	Checking/maintenance of earth leakage, insulation resistance, codal life of coach wiring
7	Schedule maintenance (primary train, VIP/special/saloon), SMI/RB/RDSO/Camtech guidelines, fire prevention
8	Workshop Technology: Basics of welding, carpentry, machine shop practices, soldering

C. Air Conditioning (SG/EOH/HOG)

1	Schedule maintenance of AC coaches including: Alternator, ERRU, Battery, Battery Charger, Compressor, Condenser motor, Blower motor, Heater, REBC, MMR, ACB, Microprocessor, WRA, RMPU, Fresh/Return Air Filter, Control panel (Power Car, LSLRD); electrical appliances in pantry cars
2	V-belt checking, , power supply arrangements
3	Pre-cooling, battery charging (AC coaches, mobile charging sockets), lights, hotel load, converter in HOG system
4	Provision of TC, on-board attention (Rail Madad & Social Media complaints)
5	A, B, C & D checks of DA set in Power Car, HOG-compliant locomotive, sick line attention
6	Fire Detection & Suppression System (FDS) in power/pantry cars, automatic fire/smoke alarm, fire extinguisher management
7	Duties of AC Mechanic & Coach Attendant, en-route troubleshooting in AC coach, preventive maintenance in non-AC coach
8	750V/415V/110V power supply arrangements
9	Safety check of AC Coaches (MPCB, MCB, RCB)
10	IV coupler for LHB Vande Bharat Coaches
11	Various ratings of HT/LT/HRC/Cylindrical Fuses

This issues with the approval of Competent Authority.


(Rajeswar Tigga) 4.12.25

Deputy Chief Personnel Officer/Rectt
for Principal Chief Personnel Officer

Copy forwarded for information and necessary action to:

- 1) PCEE/ECOR/BBS, 2) CEE/PLG, 3) DRM-KUR, SBP & WAT
- 4) Dy. CEE (HQ), 5) Sr.DEE (Gen)- KUR, SBP & WAT
- 6) Sr.DEE (OP)-KUR, SBP & WAT


for Principal Chief Personnel Officer
4.12.25

M/HQ/LL. 101

22/01/20

East Coast Railway

ANNEXURE - H(II)

270

Office of the
Principal Chief Personnel Officer
Rail Sadan, 2nd Floor
Bhubaneswar-751017

No.ECoR/Pers/08/Elect/Syllabus/Tech-III (TRD)

Di 21.01.2020

✓ Sr.DPO/KUR
East Coast Railway
Bhubaneswar

Sub: Syllabus for selection to the post of Technician-III against 25%
QSQ in Electrical department (TRD).
Ref: Your letter No-P/Elect/TRD/Tech-III/QSQ/2019 Dtd 06.08.2019

Syllabus for the selection to Technician-III against 25% QSQ of Electrical (TRD)
department is given below.

1. General Knowledge & Current affairs
2. Simple Arithmetic
3. General Science: Unit, Measurement, Electricity
4. Knowledge of various tools and measuring instruments used in maintenance and repair of OHE, PSI & RC equipments.
5. Basic knowledge of safety, firstaid, material handling, storage and proper up keep of work area.
6. Basic knowledge of OHE such as structur, cantilevers, ATD, Section insulators, Overlaps, Turnouts, Crossovers, Neutral Section, Types of foundations, Bonding etc
7. Basic knowledge of PSI & RC equipments such as power transformer, current transformer, Relays, Batteries, SCADA, Bonding, Earthing, LA, Capacitor bank, series reactor etc,
8. Power blocks and safety rules to be observed during working under power blocks.
9. Rajbhasha

This is for your information & necessary action please

Sr. DPO Range
4.05/Staff A
Dtd
23/01/2020

(Signature)

(H.K.Mahanand)
Senior Personnel Officer (I)
For principal Chief Personnel Officer

Copy to :- 1) DRM (P)/WAT, SBP for Information
2) APO/Ruling for information.

2020



पूर्व तट रेलवे/EAST COAST RAILWAY
मुख्यालय कार्यालय, कार्मिक विभाग, रेल सदन, साउथ ब्लॉक, भुवनेश्वर
Headquarters Office, Personnel Department, Rail Sadan,
South Block Bhubaneswar-751017

ANNEXURE - H(111)



No. ECoR/Pers/Syllabus/Tech-III/LDCE/NG/Elec/ TRS & OP

Dated :04.12.2025

Sr.DPO/ECoR-KUR, SBP & WAT

Sub: Circulation of common syllabus for selection to the post of Tech-III (TRS) & Tech-III (OP) in Level-2 against LDCE in Electrical Department of East Coast Railway .

Syllabus for selection to the post of Tech-III (TRS) & Tech-III (OP) in Level-2 against LDCE in Electrical Department of Divisions under Sr.DEE (TRS) and Sr.DEE (OP) of ECoR.

1. Electrical, Mechanical and Pneumatic equipments in locomotive.
2. Various Cab equipments in a locomotive.
3. New generation loco equipments like Vigilance Control Device, Static Inverter, Microprocessor base Control and Fault Diagnostics System etc.
4. Control Circuit of locomotive.
5. Power circuit of locomotive.
6. Auxilliary circuit of locomotive.
7. Rating of major equipments in locomotive.
8. Air brake system in locomotive.
9. Rheostatic Braking, Regenerative Braking in locomotive.
10. Loco Log book and Engine fitness certificate of locomotive.
11. Traction Loco Control and PPIO.
12. Inspection and overhauling schedules of locomotive.
13. Safety items in locomotive.
14. Prevention of fire in locomotive.
15. Precautions to prevent derailment of locomotive.
16. Wheel skidding in locomotive.
17. Summer drive, Winter drive and Monsoon drive conducted for locomotives.
18. Various Tools and Measuring Instruments used in maintenance and repair of locomotive.
19. General Knowledge and Current affairs.
20. Simple arithmetic.
21. General Science:-Unit, Measurement, Electricity.
22. Basic fundamentals of Electrical and Electronics.
23. Pass Rules.
24. D & A Rules.
25. Leave Rules.
26. Rajbhasha (Official Language).

This issues with the approval of Competent Authority.

(Rajeev Tigga) 4.12.25

Deputy Chief Personnel Officer/Rectt
for Principal Chief Personnel Officer

Copy forwarded for information and necessary action to:

- 1) PCEE/ECoR/BBS, 2) CEE, 3) DRM-KUR, SBP & WAT
- 4) Dy. CEE (HQ), 5) Sr.DEE (TRS)- KUR, SBP & WAT
- 6) Sr.DEE (OP)-KUR, SBP & WAT

for Principal Chief Personnel Officer

4.12.25

Syllabus for written examination for selection to the post of Tech-III (All Trades) in Level-2 (i.e. in scale Rs. 5200-20200/- Grade Pay Rs.1900/-) against 25% DPQ in Civil Engineering Department.

- 1) Basics of Railway Organisation like Division, Sub-division, SSE/P.Way Unit, SSE/Work Unit, SSE/Bridge Unit etc.
- 2) Basics of Railway Track. (Rail, Sleeper, Fittings, Ballast)
- 3) AT Welding, Flash Butt Welding, Finishing Tolerances of AT Welding and FB Welding.
- 4) Check list during welding of Rail joints.
- 5) Equipments required for welding & its process.
- 6) Equipments for drilling hole on Rail, diameter of drill bits, chamfering etc.
- 7) Cutting of Rails, equipments for cutting of Rails etc.
- 8) Level Crossings.
- 9) Engineering Indicator Boards.
- 10) Lubrication of Rail Joints, Curves & SEJs.
- 11) Working of Material Trolley and Rail Dolly.
- 12) Patrolling of Railway Track i.e. Hot weather, Cold weather and Monsoon Patrolling.
- 13) Types of woods and their use in Railway Track.
- 14) Equipments/Tools & Plants required for Carpentry work.
- 15) Fittings of doors & windows.
- 16) Repair procedure for damaged chokaths.
- 17) Units of measurements. (Meter to centi-meter etc.)
- 18) Painting/varnishing/Coal tarring of wood work.
- 19) Equipments for plumbing work.
- 20) Importance of curing, importance of Plumb bob.
- 21) Types of cement used in Railways, Grade & Make.
- 22) Mix proportions for different cement works.
- 23) Plastering, Concreting (1:2:4 proportions), Repair of damaged pathway & floor.
- 24) Types of Rivets, diameter & length of Rivet.
- 25) Equipments during riveting.
- 26) Pressure during riveting, temperature during riveting.
- 27) Material of rivet.
- 28) Types of Bridge where riveting is done.
- 29) Precautions /safety during riveting.
- 30) Tools & plants for pipe line work.
- 31) Repair procedure for damaged pipe line.
- 32) Measurement of pipe line work.
- 33) Fittings of wash basin, pillar cock, angle cock etc.
- 34) Purpose of union & reducers.
- 35) Personnel safety & Co-workers safety during work.
- 36) Safety of Track.
- 37) Railway Traffic Movements.
- 38) Basic Signalling.
- 39) Action in case of emergencies, Protection of Track.
- 40) Track Renewal Works.
- 41) Bridges, curves, Points and crossings.
- 42) Reconditioning of P.Way materials and Turn outs.
- 43) Preparation precaution of Rail joints in normal Track, SWR and LWR Track, SEJ, Buffer Rails, Points and crossings etc.
- 44) Repair to small Track Machine, P.Way tools and plants.
- 45) Maintenance of Bridge Sleeper, Channel Sleeper, H-Beam Sleeper etc.
- 46) official language /rajbhara

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EAST COAST RAILWAY

Office of the,
Principal Chief Personnel Officer,
Bhubaneswar-751017.

No. ECoR /Pers/13/TMO/Tech-III/LDCE

Date: 04.10.2019

PCE/ECoR/BBS
CE/TM/BBS
DRM(P)-KUR,WAT,SBP

Sub: Syllabus for selection to the post of Tech-III (Track Machine) in Pay Matrix in level-2 against 25% LDCE Quota in TMO cadre of ECoR.

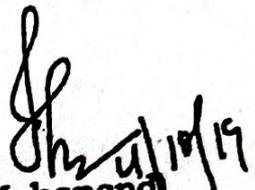
Syllabus for selection to the post of Tech-III (Track Machine in Pay Matrix In level-2 against 25% LDCE Quota will cover the following subjects :-

- 1) Indian Railway Track Machine Manual Published by RDSO March-2000 with correction slips upto 10.
- 2) Maintenance schedules and Trouble shooting manuals issued by RDSO for CSM,DUO,BCM,FRM,BRM,DGS and UNIMAT.
- 3) Fundamentals of Electricity & Electrical componets :a) Capicitor, Inductor, Battery, Alernator,Relays their construction and working, Maintanance and troble shooting b) Engine circuits & ZF circuits Functions, faults and trouble shooting .
- 4) Fundamentals of electronics, diodes, construction of electronic componets, symbols, transistor's construction,application as switch and amplifier.**Transducer:** Definition, types, tamping depth transducer, height transducer, pendulum, encoder:-their functions and calibration, lining and measuring transducer.
- 5) Hydraulics properties of Hydraulic oil, function of filters,accumulator functions, working of various pumps used on track machines, trouble shooting,relief valve,unloader valve,presure Reducing valve,trouble shooting Hydraulic cylinder, part of cylinder, function of Hydraulic motors.
- 6) Pneumatic working and maintenance of Pneumatic components air compressor, cooling coil, air unloader, water separator, air oiler, pneumatic symbols.
- 7) Mechanical: (a) Various perts of tamping unit,attention during working,working of lifting unit and its maintenace (b)ZF gear box attention during working and maintenace aspects,working of axle gear box,distribution gear box,reduction gear box, funk gear box, main gear box, (C) Different types of bearings, maintenace aspects,working and maintanace of cordon shaft,V-belts.
- 8) Official language policy and official languages rules.

.....P.T.O

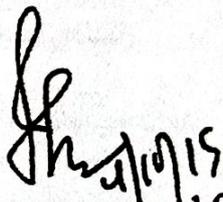
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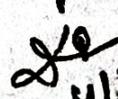

(H.K. Mahanand)
Senior Personnel Officer (I)
for Principal Chief Personnel Officer

Copy forwarded for information and necessary action to:-

- CAO(Con)/ECoR/BBS
- CWM/CRW/MCS
- Sr.DEN(Co-Ord)-KUR,SBP,WAT
- Dy.CE/TM/ECoR/BBS
- Dy.CPO/Con/BBS
- AEN/TM/BBS
- GS/ECoRSC,ECoRSU, AIOBCREA, AISCSTREA
- OS/Rulling/BBS
- Notice Board of PCPO office


for Principal Chief Personnel Officer

ok
PR


4/9/19

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पूर्व तट रेलवे/EAST COAST RAILWAY
मुख्यालय कार्यालय, कार्मिक विभाग, रेल सदन, साउथ ब्लॉक, भुवनेश्वर
Headquarters Office, Personnel Department, Rail Sadan,
South Block Bhubaneswar-751017



No. ECoR/Pers/Syllabus/Tech-III/Tele/LDCE/NG/ S&T

Dated :05.12.2025

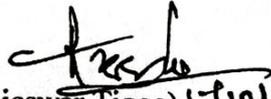
Sr.DPO/ECoR-KUR, SBP & WAT

Sub: Circulation of common syllabus for selection to the post of Tech-III (Tele) in Level-2 against 25% LDCE in S&T Department of East Coast Railway .

Syllabus for selection to the post of Tech-III (Tele) in Level-2 against 25% LDCE in S&T Department of Divisions under Sr.DSTEs of ECoR.

1. Measuring Instruments (Ammeter, Voltmeter, Digital Multimeter, true RMS Multimeter, Megger, Earth tester, TMS kit, E1 Tester, cross talk meter, Psophometer, Clamp Meter, Hand tools, Soldering iron and its technique & Upkeep-ment of tools and planets.
2. Telecom power supply arrangements, basic electricity and magnetism.
3. Safety in train operation, Disaster Management, SOD, Telecom Cables, Telephone instruments.
4. Passenger Amenities (PA, PIS, IPIS & GPS clocks), Electronic Exchange & IP Exchange and IP Exchange.
5. Railnet, Wi-Fi System, PRS, UTS & FOIS, Train Traffic control & VoIP based control communication, OFC comm.unication and its applications.
6. IP based Video Surveillance System & ISS, VHF Systems, networking elements and Data communication and networking.
7. Rajbhasha (Official Language).

This issues with the approval of Competent Authority.


(Rajeswar Tigga) 5/12/25
Deputy Chief Personnel Officer/Rectt
for Principal Chief Personnel Officer

Copy forwarded for information and necessary action to:

- 1) PCSTE/ECoR/BBS, 2) CSTE (Plg), 3) DRM-KUR, SBP & WAT
- 4) Sr.DSTE- KUR, SBP & WAT


for Principal Chief Personnel Officer
5/12/25



पूर्व तट रेलवे/EAST COAST RAILWAY
मुख्यालय कार्यालय, कार्मिक विभाग, रेल सदन, साउथ ब्लॉक, भुवनेश्वर
Headquarters Office, Personnel Department, Rail Sadan,
South Block Bhubaneswar-751017



No. ECoR/Pers/Syllabus/Tech-III/Signal/LDCE/NG/ S&T

Dated :05.12.2025

Sr.DPO/ECoR-KUR, SBP & WAT

Sub: Circulation of common syllabus for selection to the post of Tech-III (Signal) in Level-2 against LDCE in S&T Department of East Coast Railway .

Syllabus for selection to the post of Tech-III (Signal) in Level-2 against 25% LDCE in S&T Department of Divisions under Sr.DSTEs of ECoR.

1. Cleanliness and environment conservation, Personal Safety, fire Prevention & First Aid.
2. Measuring Electricity, Magnetism & Digital Electronics.
3. Measuring instruments, Hand & Portable tools.
4. Cells, Batteries, IPS, DG Set, Solar Panel Lighting & surge protection devices and Earthing.
5. Safety in train operations, SOD and Disaster Management.
6. Inter slotting , ETK & EPD, Relays, cables and ELD and Track circuits.
7. CLS, Point Machines, SSDAC & MSDAC, all type of Block instruments including UFSBI & SSBPAC (D) and signalling in RE area.
8. Datalogger RDPMS and SMMS, RRI (British or Siemens)
9. LC Gate interlocking, EI and SigDATE & Kavach.
10. Rajbhasha (Official Language).

This issues with the approval of Competent Authority.

(Rajeswar Tigga) 5-12-25

Deputy Chief Personnel Officer/Rectt
for Principal Chief Personnel Officer

Copy forwarded for information and necessary action to:

- 1) PCSTE/ECoR/BBS, 2) CSTE (Plg), 3) DRM-KUR, SBP & WAT
- 4) Sr.DSTE- KUR, SBP & WAT

for Principal Chief Personnel Officer

5/12/25