

NORTHERN RAILWAY
(FIROZPUR DIVISION)

No.755-8E/JE/C&W/PQ/P-2

Date. 04.08.2025

Sub: - Selection for promotion to the post of Junior Engineer/Carriage & Wagon in Pay Level-6 of 7th CPC against 25% PQ in Mechanical department of FZR Division.

1. It has been decided to hold a selection for filling up 07 vacancies for the post of **Junior Engineer/Carriage & Wagon in Pay Level-6 of 7th CPC against 25% PQ in Mechanical department of FZR Division.** Bifurcation of vacancies is as under:

UR	SC	ST	Total	PwBD (in terms of Railway Board's letter no. E(NG)II/2017/RC-2/1 Policy dt. 27.02.2019)
07	00	00	07	---

2. Eligibility and Service conditions:

- (i) The list of senior most eligible staff working as Sr. Tech/JE/C&W of Mechanical department of Ferozepur division in Pay Level- 6 consideration in 1:3 ratio based on their seniority, is enclosed as Annexure-I.
- (ii) A stand-by list of next senior employees is also enclosed as Annexure-II. Employees of this stand-by list will be included in the main list enabling them to appear for the written examination only in case of an employee/employees in the main list (Annexure-I) has/have expressed its unconditional unwillingness to appear for the selection and forwarded to this office on or before along with objection of any employee against the seniority, if any.

3. Syllabus: A syllabus for the above selection is attached as **Annexure-IV**. This is a common syllabus for the post as approved by the concerned PHOD and is applicable for all Divisions/Units over Northern Railway.

4. Procedure for written examination:

- (i) The written examination will be conducted by Railway Recruitment Cell (RRC), Northern Railway through an Examination Conducting Agency to be provided by Railway Recruitment Board (RRB).
- (ii) The written examination will be a Computer Based Test (CBT)/ Tablet Based Test (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 responses/answers to the questions on computer/tablet.
- (iii) RRC/NR will be issuing a formal admit card online (through the website <https://rrenr.org>) to each and every 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 RRC/NR's website as well as this Division's website for an update and to download the admit card as and when made available by RRC. Further, no supplementary/absentee examination shall be conducted on this ground.**
- (iv) A link will also be made available on the above website (<https://rrenr.org>) to the employees, explaining as to how the question will be appearing and how to mark the responses/ answers in the actual examination. Employees can practice through that link any number of times.
- (v) Both physical and biometric attendance will be marked at the examination venue.
- (vi) 100% questions will be objective type multiple choice questions.
- (vi) **There will not be any negative marking.**
- (viii) There shall be questions in Official Language Policy and Rules upto 10% of marks. However, it is not mandatory to attend the same.

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(ix) There will be 110 questions of objective multiple-choice type with four answer options and the candidate has to answer a maximum of 100 questions. In case the candidate answers more than 100 questions, the first 100 attempted questions are to be taken for evaluation.

(x) **The written examination will be of 02 (two) hours duration.**

(xi) There will be computerized evaluation.

5. Notifying to the employees:

The Senior Subordinate/ Supervisor concerned has to furnish a certificate that "the eligible employees have been duly notified of the holding of the written examination and asked to submit their applications duly giving their willingness. They have also been informed about availability of any further information on RRC/NR's website (<https://rrcnr.org>) regarding availability of admit card and link for demo test." Such certificates should be forwarded to the Personnel Branch addressed to Sr. DPO/FZR. It will be the personal responsibility of the Senior Subordinate/ Supervisor to complete the formality in this respect. It is further advised that any other communication received in respect to the selection should invariably be intimated to all the eligible employees. In case of non-receipt of any communication the same may be obtained from the Personnel Department or from the Controlling Officer. **Any laxity in this regard will be viewed seriously as it will adversely impact the above selection which is being conducted simultaneously for all Divisions/Units over Northern Railway.** The unwillingness, if any, received from the employees is to be forwarded to the Personnel branch addressed to Sr. DPO/FZR on or before 10.08.2025.

6. Tentative schedule for holding the selection:

Activity number	Details of activity	Tentative date
PART- A		
1.	Issue of notification along with main and stand-by eligibility list	04.08.2025
2.	Submission of certificate by Mechanical department along with list of unwilling employees as per Annexure-I & Annexure-II	10.08.2025
3.	Conducting pre-examination training	Required

Websites to be visited regularly for any update:

RRC/NR's website: <https://rrcnr.org>

Firozpur Division/Unit's website:

Note: 1. If any of the above instructions were modified/alerted at a later date by the Railway Board or Headquarters, the administration reserves the right to amend the above notified instructions to the extent to give the effect of the same.

2. As per GM/P/LNDL Letter No 807-E/Surrender of Post/MPP-2017/II, dated: - 19.06.2025, all the promotion of FZR Division and JAT division jurisdiction should be done by FZR division. Hence this selection to be conducted for FZR & JAT division both and after empanelment employees may be posted anywhere at FZR & JAT division as per administrative requirement.

For Sr.Divisional Personnel Officer
N.Rly/Firozpur

Copy forwarded for information and necessary action to:

1. Sr. DME/C&W/FZR& J&K, All SSE/Incharge/C&W of FZR Division and J&K Division & WLs/Firozpur Division: To hand over a copy of this notification to the employees appearing in Annexure-I & II under written acknowledgment
2. Ch.OS/OS, Confidential cell, Firozpur Division
3. Divl. Secy./NRMU/URMU, SCSTREA & OBCREA of FZR Division
4. Control Office, Firozpur Division
5. RRC/NR's website (<https://rrcnr.org>)

Annexure-I (Senior most employees of Sr Tech/C&W)										
S.N	NAME	F/NAME	Station	SC/ST	DOB	DOA	Promoted as MCM	HRMS ID	Emp. ID	Remarks
1	Mishan chand	Sadiq	JUC	UR	20/08/66	20.07.84	01.11.13	MMXSTD	50300085535	
2	Rajesh kumar	Yash pal singh	LDH	UR	29/09/65	30.04.90	01.11.13	NSITTN	50300088622	
3	Raj gopal	Kul bhushan	LDH	UR	24/10/68	30.04.90	01.11.13	LNEWZP	50312322684	
4	Surjan	Nand lal	LDH	SC	02/10/68	17.05.93	18.12.14	RQDLJM	50300087377	
5	Anil kumar	Joti ram	LDH	UR	10/11/68	25.04.91	18.12.14	QCHUCQ	50300087005	
6	Anil kumar	Mool raj	JUC	UR	10/04/66	15.06.88	18.12.14	BYFYAC	50300087043	
7	Ram hari meena	Ram sawroop meena	LDH	ST	30/07/66	09.02.91	18.12.14	QJSMCO	50300086090	
8	Jai parkash	Phool chand	ASR	UR	01/11/70	15.03.93	21.08.15	ESFRFA	50300087922	
9	Chander shekher	Sat narain	LDH	UR	18/11/72	18.10.93	21.08.15	MONQIW	50300088050	
10	Dimple kumar	Ram lal	FZR	UR	21/10/70	25.7.97	21.08.15	PWTHMZ	50300088089	
11	Surinder kumar	Dila ram	LDH	UR	12/12/71	05.09.98	21.08.15	HIMYQYT	50300088124	
12	Som nath	Balbir singh	DMU/JUC	UR	06/03/78	15.08.97	21.08.15	XSDYBQ	50300072630	
13	Kamal kishore	Surinder pal	PTK	UR	25/09/77	31.10.96	21.08.15	ZQPZUL	50300088245	
14	Kamal sharma	Revti shankar	FZR	UR	12/04/80	02.12.97	17.09.15	HHIEZKC	50300088301	
15	Paramjit singh	Sewa singh	LDH	SC	12/05/77	20.08.96	21.08.15	KAPSNXZ	50300088182	
16	Ashwani kumar	Janak raj	PTK	UR	10/08/72	10.07.2K	17.09.15	BCJOWS	50300088298	
17	Vijay kumar	Prem sagar	ASR	UR	01/06/72	15.06.98	01.12.15	QDAZCO	50300088325	
18	Sushil kumar meena	Leela ram meena	LDH	ST	03/03/70	20.02.91	21.08.15	SXNREX	50300086036	
19	Mukesh kumar	Parkash chand	FZR	UR	07/09/80	08.09.98	08.02.16	QEWLNX	50300088300	
20	Nanju dhiman	Sarwan kumar	PTK	UR	25/01/75	14.01.99	31.03.16	TMTDOY	50300088404	
21	Sunil kumar	Paras ram	PTK	UR	11/04/80	18.03.99	01.09.16	WXQKNH	50300088492	
Annexure-II (As per Seniority next most Senior employees of Sr Tech/C&W)										
22	Suresh kumar	Sarwan lal	DMU/JUC	SC	10/03/76	19.11.97	21.08.15	MCPRKA	50300072629	
23	Kuldeep singh	Niranjan singh	PTK	UR	14/12/68	22.02.2K	01.09.16	MBYKXR	50300088865	
24	Ashwani bhardwaj	Pawan kumar	LDH	UR	28/02/82	16.06.2K	01.09.16	FDWSQN	50300088599	
25	Amarjit singh	Gurcharan singh	JUC	UR	11/07/80	11.07.2K	01.09.16	IOSYEF	50300088598	
26	Deepak kumar	Jang bahadur	FZR	UR	13/01/81	13.12.2K	01.09.16	SUJLOS	50300088774	
27	Gaurav sharma	Chander mohan sharma	LDH	UR	02/09/82	05.01.01	01.09.16	QZIHYY	50300088809	
28	Kuldeep kumar	Bishambar dass	PTK	SC	06/04/75	26.05.98	21.08.15	REYUCY	50300088268	
29	Vinod sharma	Ram sahai	LDH	UR	16/04/75	03.02.01	01.09.16	PMBJSI	50300088810	
30	Sandeep kumar	Parmanand	FZR	UR	10/03/82	31.01.01	01.09.16	PKISWI	50300088775	
31	Hitesh kumar	Pawan kumar	FZR	UR	20/10/82	17.02.01	01.09.16	KNTLOD	50300088807	
32	Ajay kumar	Purn chand	FZR	UR	20/10/82	17.02.01	01.09.16	UJDFDY	50310030041	
33	Vipin gandhi	Brij mohan gandhi	PTK	ST	10/07/87	27.09.06	28.03.19	NIWLLZS	50300088808	
34	Ajay rana	Kuldeep singh rana	LDH	UR	28/09/82	19.02.01	01.09.16	NIJGOP	50300088823	
35	Munish sharma	Bal krishan	ASR	UR	27/05/79	27.02.01	01.09.16	SHONU	50300088822	
36	Joginder pal	Swarn singh	ASR	UR	28/07/82	31.03.01	01.09.16	DZBXYH	50300088873	
37	Barinder	Badri prashad	PTK	SC	30/12/78	15.06.01	01.09.16	ZKKSSW	50300088777	
38	Madan lal	Bakshi ram	FZR	UR	09/11/82	22.03.01	01.09.16	JZMDFQ	50300088828	
39	Ashok kumar	Milkhil ram	JUC	OBC	22/05/79	28.08.01	01.09.16	JZMDFQ	50300088874	
40	Sanjay kumar	Amar	PTK	UR	03/02/75	16.08.01	01.09.16	QQHFFX	50300088878	
41	Sukh lal	Dhani ram	PTK	OBC	13/01/79	03.09.01	01.09.16	BLTEFP	50300088831	
			ASR	UR	15/05/73	31.01.02	01.09.16	FOQJDT		



NORTHERN RAILWAY
(Personnel Department)

P.S. No. 16015/2025

Headquarters Office,
Baroda House,
New Delhi.

NO. 752-E/Mech Policy/EIIC

DATE: 16/07/2025

Divisional Railway Manager/NR: DLI, FZR, MB, UMB, LKO & JAT
Chief Workshop Manager/NR: AMV-LKO, CB-LKO, JUDW, ASR & RCNK-SNP,
CWM/Signal Shop, GZB.
CAO/C: K. Gate DLI & Satyam Complex, Trikuta Ngr/JAT.
MD/NRCH.
Chief Manager (Ptg. & Sty) Punjabi Bagh, Delhi
Dy.CMM: SSB, AMV-LKO & JUDW.
DY.CE/TMC/Line, State Entry Road, New Delhi.
Dy.CE/Bridge, CB-LKO, JUC & TKJ.

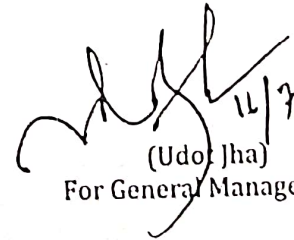
Sub: Syllabus of written examination for the post of Junior Engineer/C&W and Junior Engineer/Mech.
Ref: (i) PCPO/NR's letter no. PCPO/Sel./2025 dated 15/05/2025.
(ii) Dy.CME/HQ's letter no. Confdl.Mech/Group C Selection/266 dated 14/07/2025.

In reference to above subject, the syllabus of written examination for the post of Junior Engineer/C&W and Junior Engineer/Mech in Level-06, is enclosed herewith for your information and necessary action please.

The above PS.No. is available on the website given as under:-<https://nr.indianrailways.gov.in>

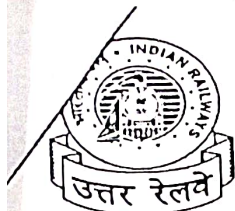
Please acknowledge the receipt

DA: As Above


(Udo Jha)
For General Manager (P)

Copy to:

1. All PHODs and All Officers of Personnel Deptt., HQ Office, Baroda House, New Delhi.
2. Genl. Secy./NRMU, 12 Chelmsford Road, New Delhi.
3. Genl. Secy./ URMU, 166/2, P.K.Road, New Delhi.
4. Genl. Secy./AIOBC Rly Emp. Asso. 171/A3, Basant Lane, New Delhi.
5. Genl. Secy./ All India SC/ST Rly Emp. Asso. North Zone Office, Baroda House, New Delhi.
6. Genl. Secy./ NRPOA Room No.301, HQ Office, Baroda House, New Delhi.
7. Dy.CPO/IT, HQs Office, Baroda House, NDLS for uploading on the website.
8. Dy.CPO/R&P, HQs Office, Baroda House, NDLS being policy matter.



**Syllabus for TQ/PQ examination for selection to the post of
Junior Engineer (Mech.) /C&W**

Part 1: General Knowledge

- 1.1 Important National & International Events, Authors, Places & Personalities etc.
- 1.2 Sports
- 1.3 "Who's Who"
- 1.4 Facts about Indian Railways & its Organization, Important events in Indian Railways
- 1.5 Current Affairs

Part-2: English

- 2.1 Antonyms and Synonyms
- 2.2 Idioms & Phrases
- 2.3 Tenses, Modals, Determiners, Prepositions
- 2.4 Active and Passive Voice
- 2.5 Direct and Indirect Speech
- 2.6 Unseen Passages

Part-3: Mathematics

3.1 Algebra

- 3.1.1. Real Numbers
- 3.1.2. Polynomials
- 3.1.3. Pair of Linear Equations in Two Variables
- 3.1.4. Quadratic Equations

3.2 Arithmetic

- 3.2.1. Problems based on age, time, work, money, Profit and Loss, and Interest

3.3 Geometry

3.4.1. Lines

- 3.4.2. Triangles: Pythagoras' Theorem, Midpoint Theorem, Area, Congruence of Triangles, Angle Sum Property, Exterior Angle Property; Similar Figures, Similarity of Triangles

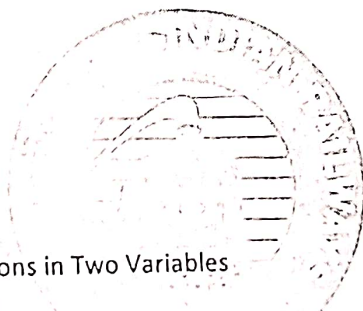
3.4.3. Properties and area of Parallelogram

- 3.4.4. Circles: Area and Perimeter of Circle, Angle Subtended by a Chord at a point, Perpendicular from the Centre to a Chord, Equal Chords and their distances from the Centre, Angle subtended by an Arc of a Circle, Cyclic Quadrilaterals, Tangent to a Circle, number of Tangents from a point on a Circle, Area of Sector and Segment of a Circle

- 3.4.5. Surface Areas and Volumes of cuboid, cone, cylinder, and sphere; and Combination of Solids

3.4 Coordinate Geometry

- 3.5.1 Basics of the Cartesian system
- 3.5.2 Distance Formula



3.5 Introduction to Trigonometry

- 3.5.1. Trigonometric Ratios
- 3.5.2. Trigonometric Ratios of Specific Angles
- 3.5.3. Trigonometric Identities
- 3.5.4. Applications of Trigonometry: Heights and Distances

3.6 Statistics

- 3.8.1. Mean, Mode, Median of Grouped Data
- 3.8.1. Mean Deviation & Standard Deviation

Part-4: General Science

- 4.1 Matter in Our Surroundings: Physical Nature of Matter, Characteristics of Particles of Matter, States of Matter, Mixture, Solution, Concentration of a Solution, Compounds
- 4.2 Atoms, Molecules and Chemical Reactions, Structure of the Atom, Valency, Atomic Number, Mass Number, Isotopes, Isobars, Laws of Chemical Combination, Chemical Equations, Types of Chemical Reactions, Oxidation and Reduction, Acids, Bases and Salts, Name of salts and compounds, Types of Oxides, Properties and Laboratory Preparation of Oxygen, Hydrogen, and Nitrogen
- 4.3 Metals and Non-metals (Physical Properties, Chemical Properties), Ores of Metals, Corrosion and its prevention
- 4.4 Carbon and Its Compounds: Bonding in Carbon, Versatile Nature of Carbon, Chemical Properties of Carbon Compounds, Important Carbon Compounds – Ethanol and Ethanoic Acid, Soaps and Detergents
- 4.5 Force and Laws of Motion: Motion Along a Straight Line, Uniform Motion and Non-Uniform Motion, Speed with Direction, Acceleration, Equations of Motion, Uniform Circular Motion, Balanced and Unbalanced Forces, Laws of Motion, Inertia and Mass
- 4.6 Gravitation: Universal Law of Gravitation, Free Fall, Mass & Weight, Thrust and Pressure, Buoyancy, Archimedes' Principle
- 4.7 Work and Energy: Scientific Conception of Work, Forms of Energy, Potential Energy, Potential Energy of an Object at a Height, Law of Conservation of Energy, Power, Method of Heat Transfer
- 4.8 Sound: Propagation of Sound, Characteristics of a Sound Wave, Reflection of Sound, Echo, Reverberation, Range of Hearing, Applications of Ultrasound
- 4.9 Light: Reflection and Refraction, Spherical Mirrors, Sign Convention for Reflection by Spherical Mirrors, Refractive Index, Refraction through a Rectangular Glass Slab & prism, Atmospheric Refraction, Refraction by Spherical Lenses, Image Formation by Lenses, The Human Eye, Dispersion of White Light by a Glass Prism
- 4.10 Electricity: Electric Current and Circuit, Electric Potential and Potential Difference, Symbols of some commonly used components in circuit diagrams, Ohm's Law, Factors affecting the Resistance, Resistance of a System of Resistors, Heating Effect of Electric Current, Electric Power, Domestic Electric Circuits
- 4.11 Magnetic Effects of Electric Current: Magnetic Field and Field Lines, Magnetic Field due to a Current-Carrying Conductor, Force on a Current-Carrying Conductor in a Magnetic Field

Part-5: Establishment Rules

- 5.1 Pass Rules
- 5.2 Leave Rules
- 5.3 Payment of Wages Act
- 5.4 Hours of Employment Regulations
- 5.5 D&AR (Disciplinary & Appeal Rules)
- 5.6 Workmen's Compensation Act
- 5.7 Factory Act
- 5.8 Basic Knowledge about HRMS, RESS, HIMS, NPS/UPS, and UMID web portals/App

Part-6 Stores

- 6.1 System of receiving and issuing goods from the store, local purchase, and inventory control
- 6.2 Stock and Non-Stock Items, PL Number
- 6.3 Basic Knowledge about UDM, GEM, IMMS, IREPS

Part-7 राजभाषा

- 7.1 संघ की राजभाषा नीति का सामान्य परिचय
- 7.2 राजभाषा अधिनियम 1963
- 7.3 राजभाषा संशोधन नियम 1976
- 7.4 राजभाषा संकल्प 1968
- 7.5 राजभाषा से संबंधित वार्षिक पाठ्यक्रम एवं प्रचलित शब्दावली

Part-8 Professional Knowledge

8.1 ICF Coach Maintenance

- 8.1.1 Salient features of ICF Coaches
- 8.1.2 Knowledge of safety and furnishing items
- 8.1.3 Pattern of Coaching maintenance as per RPC-IV
- 8.1.4 Draw and Buffing gear
- 8.1.5 Bogie components, load transmission, tractive/braking force transmission
- 8.1.6 Air brake system & its components, Bogie Mounted Brake System (BMBC)
- 8.1.7 Transportation codes for ICF coaches and coach numbering system
- 8.1.8 Maintenance schedules periodicity of ICF coaches (A, B, C, IOH and POH)

8.2 LHB Coach Maintenance

- 8.2.1 Introduction and salient feature of LHB coaches and comparison with ICF coaches
- 8.2.2 Pattern of Coaching maintenance as per RPC-IV
- 8.2.3 Examination of Coaching stock: Primary, Terminal and Secondary
- 8.2.4 Knowledge of safety and furnishing items in coaches
- 8.2.5 Transportation codes for LHB coaches
- 8.2.6 Design features of FIAT bogie, major sub-assemblies and components, LHB shell, tractive/braking force transmission, Load transmission, safety features
- 8.2.7 Air Spring bogies and various components of Air spring system. FIBA maintenance and troubleshooting
- 8.2.8 Maintenance schedules of LHB coaches. (D1, D2, D3, SSI, SSII, SSIII) and tools required for Schedule activities at pit line
- 8.2.9 Must change items during Shop schedule of coaches
- 8.2.10 Maintenance and troubleshooting of air brake system, DV, Brake Cylinder, ACP and process for Bypass of coach
- 8.2.11 Working principal of WSP system & its various components, WSP fault codes and corrective action, Wheel shelling
- 8.2.12 Maintenance of CCTV, Public Information system (PIS), Bio-vacuum toilets, Pressurized Flushing system (PFS), Electro-Pneumatic Pressurized Flushing System (EPPFS), Fire and Smoke Detection System (FSDS), Fire Detection and Suppression System (FDSS)
- 8.2.13 Basic knowledge of Bio-toilets: Maintenance, bacteria used and sample testing parameters

- 8.2.14 Causes of Brake binding and remedial action
- 8.2.15 CBC maintenance and causes for en-route uncoupling of CBCs with remedial actions to control CBC uncoupling
- 8.2.16 Basic knowledge of H-type CBC and its components
- 8.2.17 Basic Infrastructure for pit & sick-line maintenance of LHB, ICF and Vande Bharat trains

8.3 Vande Bharat Maintenance

- 8.3.1 Introduction to Vande Bharat Train
- 8.3.2 Train Composition, Basic Unit(DTC, MC,TC,NDTC..)
- 8.3.3 Driver Desk Unit (DDU), TCMS
- 8.3.4 Braking System i.e. Electro-Pneumatic brake(EP), Regenerative Braking, Automatic brakes, Parking Brakes
- 8.3.5 Propulsion System, Pantograph, Traction Motors, transformer, Auxiliary Transformer etc.
- 8.3.6 Passenger amenities items i.e. Reclining and rotating chairs, Snack table, Hand dryer, Auto soap dispenser, Foot rest, bottle holder, Pantry etc.
- 8.3.7 Safety and security items i.e. Emergency Talk Back Unit(ETBU), FSDS, CCTV, Automatic Doors, Passenger information system(PIS) etc.

8.4 Wagons Maintenance

- 8.4.1 Salient features of various types of Freight stock i.e. Open wagon, Covered Wagon, Tank wagon, container wagon, Flat wagon, Hopper wagon, Well wagon, Brake van etc.
- 8.4.2 New Wagon Numbering system
- 8.4.3 Examination of Freight stock i.e. End to End, Premium, Close Circuit(CC) and special premium rake
- 8.4.4 Maintenance and troubleshooting of air brake system in wagons
- 8.4.5 Single pipe and twin pipe air brake system
- 8.4.6 Salient features of CASNUB bogie and under gear components
- 8.4.7 Basic knowledge of various types of CASNUB bogies used on Wagons
- 8.4.8 Types of Nut & Bolts, Riveting, & welding in various types of wagons
- 8.4.9 ROH and POH of freight stock

8.5 Operations

- 8.5.1 Rolling in and Rolling Out Examination at nominated stations
- 8.5.2 Watering in trains and basic infrastructure for Quick watering
- 8.5.3 Clean Train Station(CTS), Terminal Rake Cleaning(TRC) & Mechanized Coach Cleaning(MCC) activities at Depot
- 8.5.4 Basic knowledge of OBHS activities & analysis of feedback formats used in OBHS
- 8.5.5 Soft skills for OBHS staff and tools required for en-route attention
- 8.5.6 Details and Working of Mechanized Laundry. Linen holding and management of Linen for AC coaches. Condemnation of linen
- 8.5.7 Pest and Rodent control in Trains and Railway Premises
- 8.5.8 Concept of ODC and its classification for movement
- 8.5.9 Duties of C&W Supervisors regarding CTS, OBHS, Linen & Pest Control

8.6 General

- 8.6.1 Testing of air brake for Single coach/wagon by SCTR/SWTR and rake by RTR
- 8.6.2 Knowledge of minimum prescribed brake Power, brake power calculation, improving brake power and issue of BPC/GDR. Brake continuity test procedure
- 8.6.3 Examination of CBC, Buffer, Draw Bar assembly & Screw coupling in coaching and freight Stock
- 8.6.4 Types of wheel used in Rolling stock, wheel defects & its prescribed limits, Tyre defect gauge
- 8.6.5 Application of wheel distance gauge and dimensions
- 8.6.6 Pairing of Wheels, wheel changing procedure in sick-line and out station
- 8.6.7 General idea about types of bearing used in various C&W stocks
- 8.6.8 Working of Graduated release air brake system
- 8.6.9 Train Accidents and Golden hour
- 8.6.10 Basic knowledge of ART, SPART, ARMV, SPARMV, 140 ton crane & Duties of C&W supervisors on accident site
- 8.6.11 Fire types and Firefighting equipment used in coaches
- 8.6.12 Attention of Hot Axle box, Train parting, Primary/Secondary coil failure, Axle Lock
- 8.6.13 Basic knowledge of CMM, FMM, FOIS, ICMS, e-office
- 8.6.14 Basics of NMG Coaches
- 8.6.15 Basic knowledge of computer (MS Word, MS Excel, MS Power Point, working of computer and its peripherals)
- 8.6.16 Basic knowledge of Industrial Safety, Fire Safety, and First Aid
- 8.6.17 Duties of Escorting Mechanical Supervisors and staff

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