

RECRUITMENT TO RAILWAY SERVICES & Training

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WELCOME YOU ALL TO JOIN THE FAMILY OF
RAILWAY ENGINEERS



I WISH YOU ALL BRIGHT FUTURE IN RAILWAYS
THE LIFE LINE OF THE NATION

Recruitment & Training

Apprentice: An Apprentice means a person deputed for training in a trade or business with a view to employment in Government service, who draws a stipend at monthly rates from government during such training but is not employed in or against a substantive vacancy in the cadre of a department.

Recruitment: Recruitment of special class railway apprentices on the Railways is made through the Union Public Service Commission

Recruitment of all other apprentices (other than trade apprentices) is made through the Railway Recruitment Board.

Recruitment & Training

Training: Apprentices are required to undergo a prescribed course of training and to pass such examinations as may be laid down in their respective syllabi. They do not become eligible for appointment to working post until they have successfully completed their training.

Stipend: During the period of training apprentices are entitled to such stipend and allowances as may be prescribed for them from time to time

Recruitment & Training

- Recruitment is the process of selection of a right person to the right job
- Training is an organized activity aimed at increasing the knowledge and skills of the workforce to enable them to perform their jobs effectively

Recruitment to Railway Services

Groups of Railway Services:

1. Group 'A'
2. Group 'B'
3. Group 'C'
4. Group 'D'

Recruitment to Group 'A' Services

- (i) Competitive examination held by UPSC
- (ii) Promotion of officers from group 'B' and
- (iii) Appointment of Special Class Railway Apprentices through UPSC

UPSC recruits through

- (a) Civil services examination for
 - (i) Indian Railway Traffic service (IRTS)
 - (ii) Indian Railway Personal service (IRPS)
 - (iii) Indian Railway Accounts service (IRAS) and
 - (iv) Railway Protection Force

Recruitment to Group 'A' Services

UPSC recruits through

(b) Engineering services examination for

- (v) Indian railway Service of Engineers(IRSE)
- (vi) Indian Railway Service of Mechanical Engineers (IRSME)
- (vii) Indian Railway Service of Electrical Engineers (IRSEE)
- (viii) Indian Railway Service of Signal Engineers (IRSSE)
- (ix) Indian Railway Stores Service(IRSSE)

(c) Medical services examination for

- (x) Indian Railway Medical Service

Recruitment to Group 'A' Services

Recruitment grade: PB-3 (15600-39100, GP 5400) Level-10

Level-10 Assistant/Junior Scale

PB-3 Promotions

- Level-11 (6600) Senior Scale (DME, WM, PE etc.)
- Level-12 (7600) Junior Administrative Grade (Sr.DME, Dy.CME etc.)

PB-4 Promotions

- Level-13 (8700) Selection Grade
- Level-14 (10,000) Senior Administrative Grade (CWE, CRSE, CWM etc)
- Level-15 HAG PHOD - PCME
- Level-16 HAG+ GM, AM, DG
- Level-17 Apex – CRB
- Cabinet Secretary, Defence Chiefs

Recruitment to Group 'B' Services

- Vacancies in group 'B' are filled by promotion on the basis of selection of eligible Group 'C' employees by General Manager
- Selection Board consists of four members including PCME, PCPO and HOD of the department concerned.
- 70% vacancies are filled through a process of selection primarily based on seniority and
- 30% through a selection test known as Limited Departmental Competitive Examination LDCE

Recruitment to Group 'B' Services

Salient features of LDCE & Selection based on seniority

	Selection based on seniority 70%	LDCE 30%
Eligible Grade	Level 6 (GP4200)	Level 6 (GP4200)
Service Requirements	Minimum 3 years in Level 6	Minimum 5 years in Level 6
Who can appear the selection	Only those who are called as per seniority and vacancy available	All employees in concerned department who fulfil the above condition
Method of selection	Primarily seniority. Written test and Viva-voce has to be passed	Purely on the basis of written test and viva-voce (Standard of written exam higher than that for selection)
SC/ST Reservation	Applicable	Applicable
Seniority	Employees empanelled through selection will rank above those through LDCE	

Recruitment to Group 'B' Services

Salient features of LDCE & Selection based on seniority

	Selection based on seniority 70%	LDCE 30%
Vacancies & No of persons called	1 Vacancies – 5 Persons 2 Vacancies – 8 Persons 3 Vacancies – 10 Persons 4 & above Vacancies – 3 times	All eligible candidates who applied for
Pass marks	Pass marks – 60% Gradation: > 80% - Outstanding, 60 – 79% - others	Pass marks – 60% Gradation is as per overall marks obtained.

Recruitment to Group 'B' Services

Recruitment grade: PB-2 (9300-34800, GP 4800) Level-8

Level-8 Junior Scale/Assistant Scale (ADME, AWM etc)

After 3 years of service PB-3 will be granted

Level-10 GP 5400 Junior Scale/Assistant Scale (ADME, AWM etc)

PB-3 Promotions

- **Level-11 (6600) Senior Scale (DME, WM, PE etc.)**
- **Level-12 (7600) Junior Administrative Grade (Sr.DME, Dy.CME etc.)**

PB-4 Promotions

- **Level-13 (8700) Selection Grade**
- **Level-14 (10,000) Senior Administrative Grade (CWE, CRSE, CWM etc)**
- **Level-15 HAG PHOD - PCME**

Recruitment to Group 'C' Services

The recruitment to fill up a group 'C' post is made through:

(a) Direct Recruitment through RRB in initial recruitment categories and some nominated middle level categories (GDCE).

(b) by promotion from Group D

(c) direct recruitment of dependents of crippled, decategorised or incapacitated employees retired on medical grounds.

(d) on compassionate grounds to the children of the employees who died while in service

Recruitment to Group 'C' Services

Railway Recruitment Boards

1945 - Earlier known as Railway Service Commission

1986 - RRBs brought under GMs'

1998 - RRBs brought under RRCB, Railway Board

Aims

- (i) To expedite recruitment process
- (ii) To meet regional aspirations of people

Total 20 RRBs

Recruitment to Group 'C' Services

**Recruitment grade: PB-2 (9300-34800, GP 4200/GP4600)
Level-6/7**

Level-6 Junior Engineer

Level-7 Senior Section Engineer

PB-2 Promotions

- **Level-7 (4600) Senior Section Engineer**
- **Level-8 (MACP 4800) Senior Section Engineer**
- **Level-9 (MACP 5400) Senior Section Engineer**

Recruitment to Group 'C' Services

Organization

Chairman (SAG)

Member Secretary (SG / JAG)

Secretary (Sr.Sc.) / Assistant Secretary (Jr.Sc.)

- Recruitment done for some 80 - 100 categories
- Online examination

Recruitment to Group 'D' Services

The recruitment to fill up a group 'D' post in PB-I of Rs.5,200-20,200 (Grade Pay 1,800 in Level-1) is made through:

Open Market - Railway Recruitment Cell (RRC)

Departmental & Others – DRM/GM/Other officers

Open Market:

- The procedure for recruitment will consist of written test followed by Physical Efficiency Test (PET) of candidates found successful in written test.

Recruitment to Group 'D' Services

- Minimum Qualification: 10th Pass or ITI
- Written Test: 150 MCQs, 10th class standard on GK, Mathematics, Reasoning etc.
- Physical Efficiency Test: will be qualifying in nature
 - Male candidates:** should be able to run for a distance of 1000 metres in 4 minutes and 15 seconds in one chance
 - Female candidates:** should be able to run for a distance of 400 metres in 3 minutes and 10 seconds in one chance

Sports Quota

To promote sports

- Players should be state level, national, international level players
- The achievements should be in the immediate 2 years period
- Quota cannot be carried forward

Recruitment will be done through

- (a) Talent Scouting – 50%
- (b) Open Advertisement – 50%

(ii) Annual quota for recruitment of sportsperson in Gr.C&D

Rlys./Pus	Open Advt. Rlys./Pus quota	Talent Rly.Pus quota	Scouting RSPB's quota	Total
<u>Gr. C</u>				
A)NR/WR	20	14	6	40
B)CR/ER/SCR SER/SR	15	10	5	30
C)NER/NFR	9	6	3	18
D)ICF / DLW	6	4	2	12
E)CLW/DCW/RCF/ WAP/Metro/CC	3	1	1	5
<u>Gr.D</u>				
A)Each div/Hq of rly.	2	1	1	4
B)ICF/DLW	5	3	2	10
C)CLW/DCW/RCF/ WAP/Metro/CCC,RDSO	3	1	1	5

(RSPB- Rly Sports Promotion Board)

Scouts & Guides Quota

Group 'C' (PB-1 scale 5200 to 20200 GP1800 /1900 /2000)

On each Railway per year – 2

On each PU per year -1

- Educational qualification same as laid down for the category + Scouts/Guides qualification as laid down (Presidents Gold medal)
- Recruitment through open advertisement
- written exam – 50, Scouts/Guides experience – 35, interview -15, Total 100 marks

Cultural Quota

To promote cultural and artistic activities on Rlys

Group 'C' (PB-1 scale 5200 to 20200 GP1800 /1900 /2000)

On each Railway per year – 2

On each PU per year -2

- Educational qualification same as laid down for the category + Compulsory degree or diploma in music, dance, drama
- written exam – 50, Practical demonstration– 35, Rewards/Citations etc. -15, Total 100 marks

Persons With Disability Quota

Total intake = 3% of yearly vacancies

- 1% blind
- 1% deaf and dumb
- 1% orthopedically handicapped

Based on educational qualifications - intake in
Group C & D

Recruitment through RRBs & RRCs

Appointment of Land losers

- Group 'C' (PB-1 scale 5200 to 20200 GP1800 only)
- Only one job will be offered for one family and screening done as per criteria laid down.

Re-engagement of retired staff on daily remuneration basis in exigencies of service

Selection Board for Group 'C' & 'D'

Total – 6 members

3 – Concerned Department, Personnel & Other Department

3 – Un official members (1-SC/ST, 1-Minority & 1-OBC)



TRAINING

TRAINING

Training: Apprentices are required to undergo a prescribed course of training and to pass such examinations as may be laid down in their respective syllabi. They do not become eligible for appointment to working post until they have successfully completed their training.

Training is therefore, a process whereby an individual acquires job related skills and knowledge

TRAINING

Training:

The responsibility for equipping an employee with necessary skills and knowledge to discharge his/her duty rests with the employer.

When the employee is not sure of his/her skills or knowledge of rules, he/she tends either to make mistakes or altogether avoid his legitimate duty or activity under some pretext due to fear of flouting an unknown rule, damaging a machine, facing the ignominy of vigilance complaints, peer sneer etc.

Reference: IR Mechanical Code & IR Establishment Manual Volume-I, Chapter-1

TRAINING

Category of Employees:

Employees can be divided into three groups:

- a. Skill based - for e.g. artisans
- b. Rule based - for e.g. senior supervisors and junior management.
- c. Knowledge based - for e.g. senior management

Designation of Trainee	Training to concentrate on			
	Skills	Rules	Knowledge	Strategy
Unskilled to Skilled				
Skilled to JEII, JE I				
JEII, JE I to SE/SSE				
SE/SSE to Junior officers				
Junior to Senior officers				
Senior officers				

TRAINING

Training:

- a. Irrespective of the grade of entry, every employee should be given a short orientation course on his/her first appointment, explaining organizational structure, work environment and basic rules of the Railway and how he/she is expected to conduct himself/herself.
- b. Special care must be taken to ensure that employees are not qualified routinely without acquiring necessary skills before being deployed in —safety critical work.

TRAINING

It is incumbent on the management to ensure that:

- The employee is competent and has developed adequate skills in that trade and is so certified fit to undertake that work.
- There is an existence of an adequate record of training and an assessment as said above undergone by the employee and that
- The employee has been issued with means of identification.

c. Promotion to any of the entry grade should be preceded by a structured training. In fact, such training will be a —*pre-requisite* for promotion to the entry grades (skilled artisan, JE, SSE , ADME etc.).

TRAINING

Training of New Comers:

Every new comer to the organization should have a focused, albeit short training, exposing him to the organizational structure, basic conduct and discipline rules, organizational goals and what the organization expects from an employee.

Multi Skilling:

In order to strengthen Plant agility and labor mobility, best plants across the world train their employees in 5 to 6 trades. Inside their production shops people are cross trained to operate all machines in a cell and many firms have as many as six job descriptions for their employees.

TRAINING

Training is required when

- People Change
- Technology Change
- Policy Change
- Organizational Change
- Performance problem (that can be solved by training only)

Training Objectives

It is best if objectives are:

- Specific (regarding what needs to be learned)
- Measurable (regarding how will learning be assessed)
- Sequenced for optimal learning
- Consistent with organization's needs, goals and capabilities (e.g. resources)

Vacancies in IR are filled either by

- Recruitment agencies like UPSC/RRB/RRC
- Promotion/ LDCE from serving employees

Training to Group 'A' Services

Recruitment through UPSC Engineering Services

S.No	Service	Training Institute	Period of Probation		
			Probation on Training	Probation on working post	Total period of probation
1	IRSE	IRICEN, Pune	1.5 years	1.5 years	3 years
2	IRSME	IRIMEE, Jamalpur	1.5 years	1.5 years	3 years
3	IRSEE	IRIEEN, Nashik	1.5 years	1.5 years	3 years
4	IRSSE	IRISET, Secunderabad	1.5 years	1.5 years	3 years
5	IRSS	NAIR – National Academy of Indian Railways	1.5 years	1.5 years	3 years

Training to Group 'A' Services

Recruitment through UPSC Engineering Services

S.No	Service	Training Institute	Period of Probation		
			Probation on Training	Probation on working post	Total period of probation
1	IRTS	IRITM, Lucknow	1.5 years	1.5 years	3 years
2	IRAS	NAIR – National Academy of Indian Railways	1.5 years	0.5 years	2 years
3	IRPS				
4	RPF	Jagjivan Ram RPF Academy, Lucknow	1.5 years	-	1.5 years
5	IRMS	NAIR – National Academy of Indian Railways	3 months		

NAIR-National Academy of Indian Railways, Vadodara

- NAIR, Vadodara was established in 1952, conducts courses in interdisciplinary subjects for officers.
- It caters to Foundation and Induction Training of newly appointed probationary officers and also to developmental training of middle and higher level managers.
- The recently set up Management Development Faculty conducts management courses for senior officers.
- It also arranges special courses for officers of the Administrative Grades and invites eminent educationists and other persons who have specialised in subjects useful to the Railways to deliver lectures to the officers attending the courses.
- Training facilities available in the colleges are also extended to foreign nationals.

IRIMEE-Indian Railway Institute of Mechanical and Electrical Engineering, Jamalpur

- **Professional courses for serving officers and supervisors of Mechanical Department such as :**
 - **Mandatory courses for serving officers viz.**
 - Senior Professional Development Programme of 3 weeks duration for IRSME Officers with 8-12 years of service.
 - Refresher course of 2 weeks duration for IRSME Officers with 1-3 years of service.
 - Integrated course of 8 weeks duration for recently promoted group B officers.

IRIMEE-Indian Railway Institute of Mechanical and Electrical Engineering, Jamalpur

- **Professional courses for serving officers and supervisors of Mechanical Department such as :**

Special courses in relevant topics, such as :

- Accident management course, Breakdown cranes, New technologies, Diesel loco reliability, Diesel refresher courses etc.

Short duration Interactive workshops/Seminars such as:

- Seminar on Information Technology, Incentive scheme, GM loco manufacture and ALCO loco modifications, Maintenance of Wheels and Roller bearings etc.

IRIMEE-Indian Railway Institute of Mechanical and Electrical Engineering, Jamalpur

- **Training of IRSME probationers and Introductory courses of one week duration for probationers of other Departments.**
 - Training of IRSME probationers during their **11/2** years of probationary period is centrally controlled by IRIMEE. Their training mainly comprises of
 - Institutional training at NAIR, IRIMEE, IRIEEN, IRICEN and IRISSET for about 36 weeks.
 - Training at major Railway organisations like RDSO, DLW, DMW, RCF, ICF and RWF for about 14 weeks.
 - Training in various repair workshops for 8 weeks.
 - Training in various divisional units like Diesel sheds, C&W depots, Control room etc. 16 weeks.
- **Theoretical and practical training of Special Class Apprentices.**
- **Technical Training of Apprentice Supervisors of all Indian Railways.**
- **Special courses as per requirement for Non-Railway Organisations and Foreign Railways.**

Training to Group 'B' Services

S.No	Service	Recruitment Through	Training Institute	Period of Training
1	Group B	Selection-70%	NAIR – Foundation Course (Personal, Accounts, Traffic etc.)	30 days
2	Group B	LDCE-30%	IRIMEE - Induction Course (Mechanical)	10 weeks

Training to Group 'C' Services

A. Appointment to JE/SSE through RRB/CG.

Training Period is 52 Weeks:

SL. NO.	Name of Post	Stream	Module No.	Duration in Weeks
1	Sr. Section Engineer	C&W	MSE-C	52
2	Sr. Section Engineer	Diesel	MSE-D	52
3	Sr. Section Engineer	Workshop	MSE-W	52
4	Junior Engineer (RRB)	C&W	MJR-C	52
5	Junior Engineer (RRB)	Diesel	MJR-D	52
6	Junior Engineer (RRB)	Workshop	MJR-W	52
7	Junior Engineer	C&W	MJI-C	52
8	Junior Engineer	Diesel	MJI-D	52
9	Junior Engineer	Workshop	MJ1-W	52
10	Junior Engineer	C&W	MJP-C	13
11	Junior Engineer	Diesel	MJP-D	13
12	Junior Engineer	Workshop	MJP-W	13

Training to Group 'C' Services

A. Appointment to JE/SSE through RRB/CG. Training Period is 52 Weeks:

Name of the Post/Category	Junior Engineer
Stream	C&W
Mode of appointment	Through RRB
Min. Qualification	Diploma in Enqq. (Mech / Elect./Electronics)
Total Duration of Training Period	52 Weeks

Session	Type	Subjects	Subject code	Duration In weeks	Activity Centre	
I	THEO	Railway Organization & Management	MRT-01	03	STC	
		Role of Mechanical Dept.	MRT-02	01		
		Rolling Stock Theory- Carriage	MRT-03	03		
		Rolling Stock Theory - Wagon	MRT-04			
		Rolling Stock Theory - Diesel Loco, DEMU, SPART, Train Sets: MEMU/ EMU	MRT-05			
		Industrial Safety, First aid & Firefighting	MRT-06	01		
	PRACT	Field Visit	Coach Production Unit		02	ICF/RCF/MCF
			Wagon Production Unit		01	Any wagon prod, unit / workshop
			RWF		01	RWF
			RDSO		01	RDSO
II	THEO	Tender & Contract	MRT-07	01	STC	
		Managerial Skills	MRT-09	02	STC	
		Welding & Non-Destructive Testing	MRT-10	01	STC	
		Stream specific theory	MCT-01	04	STC	
	PRACT	Field Visit	C&W Workshop		03	Respective
			CMT Lab		01	
			Diesel Shed		01	

Session	Type	Subjects	Subject	Duration In weeks	Activity Centre	
III	THEO	Stream specific theory	MCT-02	08	STC	
		Accident & Disaster management	MRT-08	01	IRIDM	
		Train operations with signaling	MRT-11	02	ZRTI	
	PRACT	Field Visit	Stores		01	Parent Unit
			Drawing Office and HQ Control office		01	Respective Unit/Units
IV	THEO	Integrated Course	MRT-12	04	IRIMEE	
		Practical Training C & W Depot		04	Parent Unit	
	PRACT	On Job Training	Divisional control office (LMS, FOIS, ICMS)	01		
			Practical Training In Welding specific	01		
			On Job Training	02		
			Refreshing /Examination/Viva	01	STC	
TOTAL				52		

Training to Group 'C' Services

A. Appointment to JE/SSE through RRB/CG.

Exam weightage of Marks

JUNIOR ENGINEER (RRB) (MJR-C, MJR-D, MJR-W)

Session	Type	C&W				DIESEL				WORKSHOP							
		Paper	Subjects	Marks *	Total	Paper	Subjects	Marks *	Total	Paper	Subjects	Marks *	Total				
I	Theory	I	MRT-01	75	100	I	MRT-01	75	100	I	MRT-01	75	100				
			MRT-05	25			MRT-05	25			MRT-05	25					
		II	MRT-02	25	100	II	MRT-02	25	100	II	MRT-02	25	100				
			MRT-03	25			MRT-03	25			MRT-03	25					
			MRT-04	25			MRT-04	25			MRT-04	25					
			MRT-05	25			MRT-05	25			MRT-05	25					
Pract	III		50	50	III		50	50	III		50	50					
TOTAL					250	TOTAL					250	TOTAL					250
II	Theory	I	MRT-07	25	75	I	MRT-07	25	75	I	MRT-07	25	75				
			MRT-09	25			MRT-09	25			MRT-09	25					
			MRT-10	25			MRT-10	25			MRT-10	25					
		II	MCT-01	100	100	II	MDT-01	100	100	II	MWT-01	100	100				
	Pract	III		50	50	III		50	50	III		50	50				
TOTAL					225	TOTAL					225	TOTAL					225

Session	Type	C&W				DIESEL				WORKSHOP							
		Paper	Subjects	Marks *	Total	Paper	Subjects	Marks *	Total	Paper	Subjects	Marks *	Total				
III	Theory	I	MCT-02/I	100	100	I	MDT-02/I	100	100	I	MWT-02	100	100				
		II	MCT-02/II	50	50	II	MDT-02/II	50	50	II	MWT-04	50	50				
		III	MRT-08	25	25	III	MRT-08	25	25	III	MRT-08	25	25				
		IV	MRT-11	50	50	IV	MRT-11	50	50	IV	MRT-11	50	50				
	Pract	V		50	50	V		50	50	V		50	50				
TOTAL					275	TOTAL					275	TOTAL					275
IV	Theory	I	MRT-12	100	100	I	MRT-12	100	100	I	MRT-12	100	100				
	Pract	II		50	50	II		50	50	II		50	50				
	Posting	III		100	100	III		100	100	III		100	100				
TOTAL					250	TOTAL					250	TOTAL					250
GRAND TOTAL					1000	GRAND TOTAL					1000	GRAND TOTAL					1000

Marks*: Showing the approximate weightage of subject topic in the examination paper.

Training to Group 'C' Services

B. Appointment to JE through LDCE (Techn to JE). Training Period 52 Weeks

MODULE - MJIC

Name of the Post/Category	Junior Engineer
Stream	C&W
Mode of appointment	Promotion through LDCE
Min. Qualification	XII Std/ ITI
Total Duration of Training Period	52 Weeks

Session	Type	Subjects	Subject code	Duration In weeks	Activity Centre
I	THEO	Railway Organization & Management	MRT-01	03	STC
		Role of Mechanical Dept.	MRT-02	01	
		Applied Mechanics	MET-01	09	
		Hydraulics	MET-02		
		Manufacturing Processes	MET-03		
		Engineering Drawing	MET-04		
		Electrical Engineering	MET-05		
Theory of Machines	MET-08				
II	THEO	Strength of Materials	MET-06	07	STC
		Heat Engines & Thermodynamics, Refrigeration and Air-conditioning	MET-07		
		Material science	MET-09		
		Machine Design & Drawing	MET-10		
		Industrial Engineering	MET-11		
		Accident & Disaster Management	MRT-08	01	IRIDM
		Train operations with signaling	MRT-11	02	ZRTI
		Introduction to Rolling stock (Coach, Wagon, Diesel Loco, DEMU, SPART)	MRT-13	03	STC

Session	Type	Subjects	Subject	Duration In weeks	Activity Centre	
III	THEO	Industrial Safety, First aid & Firefighting	MRT-06	01	STC	
		Tender & Contract	MRT-07	01		
		Managerial Skills	MRT-09	02	STC	
		Computer Awareness	MRT-14	01		
		Technical English	MRT-15	01		
			Stream specific theory	MCT-01	04	
	PRACT	Field Visit	C&W Workshop		01	C&W Workshop
Divisional control office				01	Respective Unit	
PU Training				01	ICF/RCF/MCF	
IV	THEO	Stream specific theory	MCT-02	08	STC	
	PRACT	Practical Training C & W Depot		01	Parent Unit	
		Practical Training In Welding specific		01		
		On Job Training		02		
			Refreshing /Examination/Viva		01	STC
TOTAL				52		

Training to Group 'C' Services

C. Appointment to JE through Promotion (Techn to JE). Training Period 13 Weeks

MODULE - MJP C

Name of the Post /Category	Junior Engineer
Stream	C&W
Mode of Appointment	Promotion Through seniority
Min. Qualification	—
Total Duration of Training Period	13 weeks

Session	Type	Subject	Subject code	Duration In days	Activity Centre
I	THEO	Computer Awareness	MRT-14	06	STC
		Industrial Safety, First aid & Fire Fighting	MRT-16	03	
		Accident and Disaster Management	MRT-17	02	
		Supervisory Skills	MRT-18	03	
		Technical English	MRT-19	03	
		Manufacturing Processes (MP)	MET-12	04	
		Industrial Engineering	MET-13	01	
		Engineering Drawing (ED)	MET-14	02	
		Sub Total (Theory)		24	
II	THEO	Stream Specific Theory	MCT-03 MCT-04	24	STC
	PRACT	C&W POH Workshop/Production Unit		06	Respective Places
		Practical training C & W depot		06	
		On Job training		12	
		Total		24	
III		Refreshing/Examination/Viva		06	
Grand total				78	

Training to Group 'C' Services

D. Appointment to Techn Gr.III

S.No	Recruitment mode	Qualification	Training Period
1	RRB	Technical Diploma/ ITI	6 months (Trade wise)
2	CG	Technical Diploma/ ITI	6 months (Trade wise)
		Non ITI (Non Technical)	3 years
3	Promotion from Group D	Technical Diploma/ ITI	6 months (Trade wise)
		Non ITI (Non Technical)	1 year

Training to Group 'C' Services

Module No.	Stage	Trade	Activity Center	Duration	Page No.
MECH01	Induction to Helper	All	C&W Depot, Workshops	78 days	3
MECH02	Induction to Technician (RRB)	C&W Technician	C & W Depot	26 Weeks	4-5
MECH03	Induction to Technician (RRB)	C&W Fitter	Workshop (C &W)	26 Weeks	6-7
MECH04	Induction to Technician (RRB)	Carriage Fitter	Workshop (Carriage)	26 Weeks	8-9
MECH05	Induction to Technician (RRB)	Wagon Fitter	Workshop (Wagon)	26 Weeks	10-11
MECH06	Induction to Technician (RRB)	Welder	Workshops	26 Weeks	12
MECH07	Induction to Technician (RRB)	Mill Wright	Workshops	26 Weeks	13
MECH08	Induction to Technician (RRB)	Painter	Workshops (Carriage)	26 Weeks	14
MECH09	Induction to Technician (RRB)	Carpentry	Workshop (Carriage)	26 Weeks	15-16
MECH10	Induction to Technician (RRB)	Machinist	Workshops	26 Weeks	17
MECH11	Promotion from Helper to Technician	C&W Technician	C & W Depot	112 days	18-19
MECH12	Promotion from Helper to Technician	Carriage Fitter	Workshop (Carriage)	112 days	20
MECH13	Promotion from Helper to Technician	Wagon Fitter	Workshop (Wagon)	112 days	21-22
MECH14	Promotion from Helper to Technician	Welder	C&W Depot, Workshops	26 Weeks	23
MECH15	Promotion from Helper to Technician	Mill Wright	C&W Depot, Workshops	72 days	24
MECH16	Promotion from Helper to Technician	Forging	Workshop	72 days	25
MECH17	Promotion from Helper to Technician	Trimmer	C&W Depot, Workshop (Carriage)	72 days	26
MECH18	Promotion from Helper to Technician	Painter	C&W Depots, Workshops	72 days	27
MECH19	Promotion from Helper to Technician	Carpentry	C&W Depot, Workshop (Carriage)	72 days	28
MECH20	Promotion from Helper to Technician	Machinist	C&W Depot, Workshops	72 days	29
MECH21	Refresher for Artisan	All	C&W Depot, Workshops.	12 days	30
	Course Contents				31-125

Training to Group 'C' Services

Module No.	(MECH 02)	Department	MECHANICAL
Category	C&W TECHNICIAN	Duration	26 Weeks
Stage	INDUCTION TO TECHNICIAN (RRB)	Activity	CARRIAGE & WAGON DEPOT

SUB-MOD. NO.	DESCRIPTION	DURATION IN DAYS
ME/001	FOUNDATION: RAILWAY ORGANISATION, RULES CONDUCT/ LEAVE / PASS/ D&A RULES, BASIC KNOWLEDGE OF COMPUTER ETC	12
ME/002	GENERAL SAFETY, ACCIDENTS & FIRE FIGHTING	01
ME/003	SAFETY IN WORK PLACE	02
ME/004	USE OF MEASURING TOOLS	02
ME/005	USE OF HAND AND PORTABLE TOOLS	01
ME/007	MATERIAL SPECIFICATIONS, PROPERTIES, BEARINGS LUBRICANTS & DRIVES	06
ME/010	FIRST AID	02
ME/012	KNOWLEDGE OF COMPRESSORS AND OPERATION	02
ME/013	LIFTING & HANDLING DEVICES	02
ME/014	CLEANLINESS OF WORKING ENVIRONMENT	02
ME/041	USE OF PNEUMATIC/ELECTRIC AND HYDRAULIC PORTABLE TOOLS	04
ME/042	ELECTRIC ARC WELDING/GAS WELDING SETS INCL. CO 2 & MIG WELDING	06
ME/043	KNOWLEDGE OF VARIOUS TYPES OF MECHANICAL FASTENRS, WASHERS, METHODS OF SEALING & LOCKING OF BOLTS, CLEARANCES, FITS & TOLERANCES	06
ME/044	KNOWLEDGE OF DIFFERENT TYPES OF BEARINGS & LUBRICATOR (GREASES, OILS ETC.) ON COACHES AND WAGONS	06
ME/045	KNOWLEDGE OF TYPES OF WAGONS & COACHES ON IR, SPECIAL FEATURES & MAINTENANCE REQUIREMENT OF EACH STOCK	12
ME/046	SAFETY & OPERATING REQUIREMENTS FOR AIR BRAKE TRAINS (INCLUDING BOGIE MOUNTED & DISC BRAKE)	03

Training to Group 'D' Services

Appointment through RRC – 78 days Induction Training

Module No.	(MECH 01)	Department	MECHANICAL
Category	ALL	Duration	78 Days
Stage	INDUCTION TO HELPER	Activity	All

SUB-MOD. NO.	DESCRIPTION	DURATION IN DAYS
ME/001	FOUNDATION: RAILWAY RULES, CONDUCT RULES LEAVE RULES, PASS RULES, D&A RULES ETC.	12
ME/002	GENERAL SAFETY, ACCIDENTS & FIRE FIGHTING	01
ME/003	SAFETY IN WORK PLACE	02
ME/004	USE OF MEASURING TOOLS	06
ME/005	USE OF HAND & PORTABLE TOOLS	06
ME/006	READING OF DRAWINGS	06
ME/007	MATERIAL SPECIFICATIONS, PROPERTIES BEARINGS, LUBRICANTS & DRIVES	06
ME/008	ARC WELDING	03
ME/009	GAS WELDING & CUTTING	03
ME/010	FIRST AID	02
ME/012	KNOWLEDGE OF COMPRESSORS AND OPERATION	02
ME/013	LIFTING & HANDLING DEVICES	02
ME/014	CLEANLINESS OF WORKING ENVIRONMENT	02
ME/015	KNOWLEDGE OF DIFFERENT TYPES OF COACHES & BOGIES FAMILIARISATION WITH COACH & BOGIE COMPONENTS (AIR BRAKE SYSTEM)	06
ME/016	KNOWLEDGE OF DIFFERENT TYPES OF WAGONS INCLUDING BOGIES & THEIR COMPONENTS, BOTH FOR AIR BRAKE SYSTEM	06
ME/017	FAMILIARITY WITH CARPENTRY TOOLS & JOINTS INCLUDING TRIMMING	01
ME/018	SURFACE PREPARATION, TYPES OF PAINTS, PAINTING EQUIPMENTS & PAINTING METHODS	02
ME/019	BASICE KNOWLEDGE OF ELECTRICAL PARAMETERS	02
ME/020	FAMILIARITY WITH DIFFERENT METAL CUTTING OPERATIONS INCLUDING MACHINING & TURNING	06
ME/090	BIO-TOILETS	02

Training to Group 'C' Services

S.No	Department	Training Institute		No of Institutes
1	Optg	ZRTI	Zonal Railway Training Institute	9
2	Mech	STC	Supervisors Training Center	10
3	S&T	STTC	S&T Training Center	10
4	Elec	ETC	Electrical Training Center	11
5	Elec	DTTC	Diesel Traction Training Center	18
6	Engg	ZCETI	Zonal Civil Engg Training Center	5
7	Engg	IRTMTC	IR Track Machines Training Center, Allahabad/NCR	1
8	PU's	TTC	Technical Training Center	7
9	PU's		Welding Training Center	3
10	RPF		RPF Training Center	1

Training to Group 'C' Services

S.No	Department	Training Institute		No of Institutes
1	Mech	ATC	Area Training Center	17
2	Mech	BTC	Basic Training Center	58
3	Mech		BOXN Training center	2
4	Mech		C&W Training Center	28
5	Engg		Central Bridge Training Institute	1
6	Engg	PWTC	Permanent Way Training Center	23
7	Engg		Bridge Staff Training Center	1
8	Engg		Transportation Training Center	13
9	Accounts		Accounts Training Center, Secunderabad	1



Thank You