RBE No.105 /2023

आज़ादी का अमृत महोत्सव

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

G20 भारत 2023 INDIA

वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

No. E (MPP)/2023/3/28

New Delhi, dated 4.09.2023

The General Manager,
All Zonal Railways/PUs
Metro Railway, Kolkata
CORE, Allahabad
DG/RDSO/Lucknow
CAO/DMW/ Patiala
CAO/COFMOW/New Delhi
ED/CAMTECH/Gwalior
DG/NAIR/Vadodara
DG/IRITM/Lucknow
DG/IRIEEN/Nasik
DG/IRICEN/Pune
DG/IRISET/Secunderabad
DG/IRIMEE/Jamalpur
DG/ IRIFM/ Secunderabad
DG/ JRRPF/ Lucknow

Sub: Revised Combined Training Modules of Chief Loco Inspectors (Diesel & Electric)

Vide Board's letter no. E (MPP) 2009/03/26 dt. 13.07.2009 (RBE no. 127/2009), training modules for Loco Inspectors (Diesel & Electric) were circulated to all Zonal Railways/ PUs etc. and uploaded on 'Indian Railways' website under heading **MPP Training Circulars**.

2. In order to have a better structured training, the existing training modules of Loco Inspectors (Diesel & Electric) have been reviewed, and a revised combined training module for Induction & Refresher Training of Chief Loco Inspectors (CLIs) (Diesel & Electric) have been prepared by Electrical/TRS Directorate, and approved by Board (Member/TRS).

3. Accordingly, the revised combined training module for Induction & Refresher Training of Chief Loco Inspectors (Diesel & Electric) has been scanned and uploaded under **MPP Training Circulars** on 'Indian Railways' website and can be viewed or downloaded from railnet.

4. Kindly acknowledge receipt.

(A. K. Das)
Joint Director/E (MPP)

No. E (MPP)/2023/3/28 **New Delhi, dated 04.09.2023**

Copy to:

1) The General Secretary, NFIR, 3 Chelmsford Road, New Delhi for information (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

2) The General Secretary, AIRF, 4 State Entry Road, New Delhi for information (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

3) The Secretary General, FROA, R.No.256-A, Rail Bhavan, New Delhi for information (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

4) The Secretary General, IRPOF, R.No.268, Rail Bhavan, New Delhi for information (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

5) All Members, Department Council & Secretary Staff side National Council 13-C, Ferozeshah Road, New Delhi (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

6) The Secretary General, AIRPF Association, Room No.256-D, Rail Bhavan, New Delhi (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

7) General Secretary, All India SC & ST Railway Employees Association, 171/B-3, Basant Lane Railway Colony, New Delhi (Copy may be downloaded from E(MPP) Training Circulars/Railnet/Internet).

For Principal Executive Director (IR) /Railway Board

No. E (MPP)/2023/3/28 **New Delhi, dated04 .09.2023**

Copy to:

i) PS & ED(PG) to MR, MoSR (D) & MoSR (J)

ii) PSO/Sr.PPS to CRB, MF, M(Infra.), M(TRS), M(O&BD), DG(HR), DG(RHS) & DG(RPF)

iii) Sr.PPS/PPS/PS to AM(Budget), AM(CE), AM(C&IS), AM(Comml.), AM(Traction), AM(Fin), AM(Mech.), AM(Plg.), AM(Project), AM(PU), AM(Sig.), AM(Staff), AM(RS), AM(T&C), AM(Tele), AM(TT), AM(Works), PED(Vig.), PED(Safety), PED(Coaching) LA,

iv) ED(Plg.), ED(Accts.), EDCE(B&S), EDCE(G), EDCE(Plg.), ED(CHG), ED(CC), ED(C&IS), ED(E&R), EDEE(Dev), EDEE(G), EDE, ED(RRB), EDE(N), EDE(Res), EDF, EDF(B), EDF(X)I, EDF(X)II, ED(H), JS(C), EDME(Chg.), EDME(Fr.), ED(PC)I, ED(PC)II, EDRE, ED(Safety), ED(Safety)-II, IG./RPF(Hqs), ED(Sig.), ED(SP), EDRS(G), EDRS(S), ED(TD), EDTC(R), EDCE(P), ED(PM), ED(FM), EDPG, EDTT(F), EDTT(S), EDV(E), EDV(Elect), EDV(T), EDVE(S), ED(W).

v) Chief Commissioner of Railway Safety, Lucknow.

vi) E(Trg.), E(NG)I, E(NG)II, E(G), F(E)I, F(E)II, F(E)III, E(SCT)I, E(SCT)II branches of Railway Board.

Revised Combined Training Module for Induction & Refresher Training of CHIEF LOCO INSPECTORS (CLIs) (Diesel & Electric)

To devise a system of structured training of Chief Loco Inspectors (CLIs), following points are recommended:

- Training of CLIs (induction and refresher) is already mandatory for both Diesel & Electric categories. Zonal Railways should enforce discipline.

- Common training modules as detailed at Annexure-1 & 2 be legislated as mandatory at specified periodicity for both Diesel and Electric CLIs.

- Initial / induction training of CLIs for 03 weeks to be undertaken at Supervisors Training Institute at IRIEEN.

- Refresher courses of CLIs for one week to be organized by respective Zonal Railways at ETCs/DTCs along with running staff refresher courses.

- As a one-time measure, IRIEEN is hereby advised to squeeze the contents of the common module in a one-week capsule and cover all the present strength of CLIs within next one year.

- Zonal Railways to plan and ensure in accordance.

Annexure-1

Combined Initial Training Module for Chief Loco Inspector (Diesel & Electric) : CLI-1

Duration : 3 Weeks (18 days)

Sessions (1½ Hours Duration) : 72

(4 sessions per day i.e. 6 Hours of study + 1 Hour session for Computer)

Content	Subject	No. of Sessions	No. of day
1	**Introduction Objective** Railway Systems and role of CLI Duties of CLIs, LP & ALP Brief overview on Organizational structure Supervisory Skills-leadership, motivation technique, Communication, Knowledge of trade, redressal of grievances, Monitoring & Counselling	4	1
2	**Safety Rules** G&SR, Ghat Section Rules, Automatic Signal Territory Rules Operating Manual Block Working Manual Accident Manual Station Working Rules Working Time Table Important Safety Circulars Latest amendment slips of various manuals Type of stations, layouts & staff responsible for station working	4	1
3	**Locomotives (Elect & Diesel)** Trouble Shooting Modification Failure case studies Loco Failure investigation OHE/Panto Entanglement MEMU/EMU, **Vande Bharat** DMU/SPART & Shunting Locos Self Propelled Inspection Car (SPIC)	4	1
4	**Signaling System** Panel Interlocking, RRI & SSI Track Circuiting and Axle Counter Points and Crossings and readings Signal manual Study of Data logger	4	1

	Usage of data logger in accident/SPAD investigation		
5	**Permanent Way / Bridge** Track structures Route classification (A, B, C, D, E, HDN, HUN etc) Rail Wear Profile Track maintenance procedures & schedules Type of Bridges & their inspection schedules Track Measurement in accident investigations	4	1
6	**Rolling Stock** Rolling stock defect that can cause accident/derailment Readings at the time of accident/SPAD Wheel profile Wheel slip and wheel skidding Brake systems, Brake binding & Hot axle Type of Coaches & Wagons & critical measurements	4	1
7	**Exposure through Field Visit /Model Room for Permanent Way, C&W & S&T** Track structures Bridge Panel Interlocking, RRI & SSI Track Circuiting and Axle Counter Points and Crossings Brake systems of wagons & coaches Station working and documents available with SM	2	½
8	**Train Dynamics** Tractive Effort Requirement Adhesion Haulage Capacity Load Capacity Load Table Stalling HP/Tonne Ratio Emergency Braking Distance(EBD)	4	1
9	**Evaluation of Driving Techniques on** Plane section Graded section Ghat section Extreme weather condition Negotiation of CD	2	½

10	**Inspections** VIP Movements Footplate Inspections, R/Room & Lobby Inspection Inspection of ART/ARME/Crane, RDI inspection, Punctuality drives, Foggy weather precautions, Ambush checks & other special drives Formation of Signal sighting committee, responsibilities & inspection Gate inspection Relay room inspection Station area inspections	4	1
11	**Disaster Management** ART, 140T BD CRANE, SPART/SPARMV, ARME, LUCAS, HRD/HRE Mock drills, Hooter codes Types of accidents/derailment Investigation of accident/derailment Protection of Evidence Analysis of Evidence Preparation of Joint Report Derailment mechanism Stalling & Train Parting Fire fighting, First aid and Hygiene	4	1
12	**Evaluation Technique** Railway Board's Guidelines Practical Demonstration Skill for Evaluation Method of Record Keeping etc. Report Making. SPM analysis Grading of Running staff on various prescribed attributes	6	1½
13	**Counselling Technique** Area of Counselling Written Communication Verbal Communication Oral Message Written Message CLI Diary		
14	**Manpower Planning, Crew Links, Crew related issues** Requirement of Loco & Running Staff including requirement of Chief Loco Inspectors/TLC/PRC/CC Crew Links & Loco links	4	1

	Power Plan, Power On Line(POL) Training courses of running staff including Aptitude test, Learning Road and PME rules		
15	**Establishment** D&AR rules, Enquiries, Standard Forms, Major & Minor Penalties, Do's & Don'ts for dealing D&AR cases HOER classifications of Rly staff, Rules pertaining to running staff pay and allowances Leave rules, Pass rules & Welfare activities of Railway PF, gratuity and Pension Rules for running staff	4	1
16	**Introduction to web based applications/portals** CMS ICMS SLAM COA FOIS RTIS RDSO EBD Simulation Software etc e-office HRMS/APAR Module UDM, IMMS, GEM portal	4	1
17	**Crew Control & TLC/PRC Organization** Brief duties of different Control Organizations at divisions/HQs Role of section controller & responsibility Implementation of rules for running staff duty hours Loco Turn Round Engine Failure Punctuality loss Engine Hours Four hourly holding Crew &Loco balancing DSL utilization chart Outage. etc	4	1
18	**Railway Diesel Installation(RDI) & fuel/energy conservation** Records maintained at RDI Anti pilferage measures Calibration of gauges, Decanting facilities, Flowmeters Fixation of trip ration Fire protection at RDI Fuel Conservation measures	4	1

	SFC & LOC SEC & Energy Conservation measures Regenerative braking in 3-Phase electric locomotives		
19	**Crew Welfare Issues** Importance of Yoga/Meditation Health Counselling/food habits Accommodation issues Importance for proper rest of crew Social issues Redressal of grievances Working conditions Importance of interaction with family of Running staff	2	½
20	**Personality development & Motivation** Development of communication skills for lesioning How to pass information to officers & its hierarchy Collection of relevant data from various departments for preparation of ready reckoners Stress management Importance of positive thinking Importance of Yoga, Hygiene & Sports activity Development of hobby	2	½
21	**Performance Appraisal** Feedback Group Discussion	2	½
	Total Duration of Module	**72**	**18**

A tentative schedule on any working day:

Morning Session 6:00 – 7:00	1st session 8:30-10:00	2nd Session 10:30-12:00	3rd Session 13:00-14:00	4th Session 15:00-16:30	Special Session 16:30-17:30
Yoga & Meditation					Computer

Annexure-2

Combined Refresher Training Module for Chief Loco Inspector (Diesel & Electric) : CLI-2

Duration : 1 Week (6 days)

Sessions (1½ Hours Duration) : 24

(4 sessions per day i.e. 6 Hours of study + 1 Hour session for Computer/Field visit)

Content	Subject	No. of Sessions	No. of day
1	**Introduction** Role of CLI Accountability/Responsibility Organizational issues Crew welfare issues	1	1
2	**Safety Rules** Important Safety Circular Latest amendments slips of various manuals	2	
3	**Technological Upgradation** S&T Track & Bridges Wagons & Stocks, Brake Power Certificate-latest development	1	
4	**Electric Loco/EMU/MEMU** New technologies, modification in loco Safety enhancement equipment Troubleshooting - new addition, modification	4	1
5	**Diesel Loco/DEMU/SPART** New technologies, modification in loco Safety enhancement equipment Troubleshooting - new addition, modification	4	1
6	**Establishment** D&AR rules, Enquiries, Standard Forms, Major & Minor Penalties, Do's & Don'ts Rules pertaining to running staff pay and allowances	1	1
7	**Manpower Planning, Crew Links, Crew related issues**	1	

	Crew Links & Loco links Power Plan, Power On Line (POL) Grading of Running staff on various prescribed attributes		
8	**Train Dynamics** Tractive Effort Requirement & Adhesion, Haulage Capacity Emergency Braking Distance (EBD) Track & Train dynamics	1	
9	**Counselling Technique** Area of Counselling Written & Verbal Communication Oral & Written Message	1	
10	**Evaluation Technique** Railway Board's Guidelines Practical Demonstration Skill for Evaluation Method/Record Keeping etc. Report Making SPM Analysis	1	
11	**How to conduct** Accident inquiry Loco failure investigation D&A inquiry	1	
12	**Railway Diesel Installation(RDI) & fuel/energy conservation** Anti pilferage measures Fire protection at RDI Fuel & Electricity Conservation measures SFC & LOC, SEC Regenerative braking in 3-Phase electric locomotives	1	1
13	**Inspections** VIP Movements Footplate Inspections, R/Room & Lobby Inspection Inspection of ART/ARME/Crane, RDI inspection, Punctuality drives, Foggy weather precautions, Ambush checks & other special drives	1	
14	**Disaster Management** ART, 140T BD CRANE, SPART/SPARMV, ARME,	2	1

	LUCAS, HRD/HRE Investigation of accident/ derailment and cause of accidents related to S&T, P Way and Rolling Stock Preparation of Joint Report Fire fighting, First aid		
15	**Stress Management** Importance of Yoga, Hygiene & Sports activity Development of hobby Importance of positive thinking	1	
16	**Performance Appraisal** Feedback Group Discussion	1	
	Total Duration of Module	**24**	**6**

A tentative schedule on any working day:

Morning Session 6:00 – 7:00	1st session 8:30-10:00	2nd Session 10:30-12:00	3rd Session 13:00-14:00	4th Session 15:00-16:30	Special Session 16:30-17:30
Yoga & Meditation					Computer