

पूर्व मध्य रेल  
EAST CENTRAL RAILWAY



कार्यालय  
महाप्रबंधक(का)  
हाजीपुर

PCPO's Sl. Cir. No.101/2023

RBE No. 105/2023

No.ECR-HQ0PERS (RULE)/9/2023 Com.No.207408)

1. CAO (Con.)/उत्तर एवं दक्षिण/पटना।
2. सभी PHOD/CHOD/पूमरे/हाजीपुर।
3. DRM/पूमरे/दानापुर, डीडीयू, धनबाद, सोनपुर एवं समस्तीपुर।
4. मुख्य कार्मिक अधिकारी/प्रशासन/पूमरे/हाजीपुर।
5. मुख्यालय के सभी कार्मिक अधिकारी।
6. CWM/पीडी/डीडीयू, यांत्रिक कारखाना/समस्तीपुर एवं हरनौत।
7. Sr.DPO/पूमरे/दानापुर, डीडीयू, धनबाद, सोनपुर एवं समस्तीपुर।
8. उप महाप्रबंधक/विधि/पटना।
9. प्राचार्य/क्षेत्रीय रेल प्रशिक्षण संस्थान/मुजफ्फपुर एवं भूली।
10. सभी मुकार्याधी/कार्याधी/पूमरे/हाजीपुर।

विषय:-Revised Combined Training Module of Chief Loco Inspectors (Diesel & Electric).

संदर्भ:-Railway Board's letter No.-E(MPP)2023/3/28, Dated-04.09.2023.

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विषयांकित से संबंधित संदर्भित पत्र की छायाप्रति सूचना, मार्गदर्शन एवं अग्रेत्तर आवश्यक कार्रवाई हेतु प्रेषित की जा रही है।

A copy of above referred letter on the subject matter is being forwarded herewith for information, guidance and needful onward action please.

DA: As above.

Digitally Signed by Manoj  
Ku Choudhary  
(मनोज कुमार चौधरी)  
Date: 18-09-2023 17:27:58  
Reason: सकार्य/ईएसएम  
कृत महाप्रबंधक (का0)/हाजीपुर

प्रतिलिपि/— निम्नलिखित को सूचनार्थ, मार्गदर्शन एवं आवश्यक कार्रवाई हेतु प्रेषित:-

1. महासचिव/ईसीआरकेयू/पूमरे/हाजीपुर।
2. महासचिव/एस.सी.एवं एस.टी.एशोसिएशन/पूमरे/हाजीपुर।
3. सकार्य(एम.पी.पी.)/पूमरे/हाजीपुर—कृपया इसे वेबसाइट पर अपलोड करें।
4. महासचिव/ओ.बी.सी.एशोसिएशन/पूमरे/हाजीपुर



**GOVERNMENT OF INDIA  
MINISTRY OF RAILWAYS  
(RAILWAY BOARD)**



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, dated 04.09.2023**

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.

## Combined Initial Training Module for Chief Loco Inspector (Diesel &amp; 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       | <b>Introduction Objective</b><br><br>Railway Systems and role of CLI<br>Duties of CLIs, LP & ALP<br>Brief overview on Organizational structure<br>Supervisory Skills-leadership, motivation technique, Communication, Knowledge of trade, redressal of grievances, Monitoring & Counselling                                                         | 4               | 1          |
| 2       | <b>Safety Rules</b><br><br>G&SR, Ghat Section Rules, Automatic Signal Territory Rules<br>Operating Manual<br>Block Working Manual<br>Accident Manual<br>Station Working Rules<br>Working Time Table<br>Important Safety Circulars<br>Latest amendment slips of various manuals<br>Type of stations, layouts & staff responsible for station working | 4               | 1          |
| 3       | <b>Locomotives (Elect &amp; Diesel)</b><br><br>Trouble Shooting<br>Modification<br>Failure case studies<br>Loco Failure investigation<br>OHE/Panto Entanglement<br>MEMU/EMU, <b>Vande Bharat</b><br>DMU/SPART & Shunting Locos<br>Self Propelled Inspection Car (SPIC)                                                                              | 4               | 1          |
| 4       | <b>Signaling System</b><br><br>Panel Interlocking, RRI & SSI<br>Track Circuiting and Axle Counter<br>Points and Crossings and readings<br>Signal manual<br>Study of Data logger                                                                                                                                                                     | 4               | 1          |

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

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

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

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

**A tentative schedule on any working day:**

| Morning Session<br>6:00 – 7:00 | 1 <sup>st</sup> session<br>8:30-10:00 | 2 <sup>nd</sup> Session<br>10:30-12:00 | 3 <sup>rd</sup> Session<br>13:00-14:00 | 4 <sup>th</sup> Session<br>15:00-16:30 | Special Session<br>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       | <b>Introduction</b><br><br>Role of CLI<br>Accountability/Responsibility<br>Organizational issues<br>Crew welfare issues                                           | 1               | 1          |
| 2       | <b>Safety Rules</b><br><br>Important Safety Circular<br>Latest amendments slips of various manuals                                                                | 2               |            |
| 3       | <b>Technological Upgradation</b><br><br>S&T<br>Track & Bridges<br>Wagons & Stocks, Brake Power Certificate-latest development                                     | 1               |            |
| 4       | <b>Electric Loco/EMU/MEMU</b><br><br>New technologies, modification in loco<br>Safety enhancement equipment<br>Troubleshooting - new addition, modification       | 4               | 1          |
| 5       | <b>Diesel Loco/DEMU/SPART</b><br><br>New technologies, modification in loco<br>Safety enhancement equipment<br>Troubleshooting - new addition, modification       | 4               | 1          |
| 6       | <b>Establishment</b><br><br>D&AR rules, Enquiries, Standard Forms, Major & Minor Penalties, Do's & Don'ts<br>Rules pertaining to running staff pay and allowances | 1               | 1          |
| 7       | <b>Manpower Planning, Crew Links, Crew related issues</b>                                                                                                         | 1               |            |

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

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

**A tentative schedule on any working day:**

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