

Training Module for Track Machine Supervisor / Operator Refresher

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| Department | Engineering |
| Course No. | SR-1 |
| Category | Track Machine Supervisor / Operator |
| Stage | Refresher course |
| Duration | 09 Working Days = 54 Hours (Excluding Safety Camp) |

| Module No. | Description | Hours | Days |
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| SR-1/1 | Transportation -1 (Lower Transportation) | 26½ | 4½ |
| SR-1/1A | Child Right , Child Protection and Related Laws | 3½ | ½ |
| SR-1/2 | Safety Management | 12 | 02 |
| SR-1/3 | Ethical Leadership & Soft Skill | 06 | 01 |
| SR-1/4 | Examination | 06 | 01 |
| | Total | 54 | 09 |

| SR-1/1 | TRANSPORTATION - 1 |
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| SR-1/1.1 | Admission formalities, General Introduction of Railway and Transportation branch. Introduction of ZRTI setup, Syllabus, Timing, Examination pattern and future prospects. |
| SR-1/1.2 | Briefing about important definition, amendment slips. |
| SR-1/1.3 | Different classes of stations and signals. |
| SR-1/1.4 | Type of Signals (Fixed, Hand, Detonating & Warning flashing light), their importance, aspect and indications. Signals in Automatic Block Systems, their aspect & indications, various Boards, Indicators. Points, their functions and relations with the signals. Defective Points and defective signals. |
| SR-1/1.5 | Reception and Dispatch of Track Machine, reception and dispatch of trains on obstructed lines, non-signaled/non-running line etc. |
| SR-1/1.6 | Various Operating Forms and their use |
| SR-1/1.7 | Definition, Principles and standards of Interlocking, Modes of locking and securing of points, Isolation, Use of inter locking and Isolation in train operation & during Shunting. |
| SR-1/1.8 | Various Systems of working, Means of communication. |
| SR-1/1.9 | Issuing of Caution order and responsibility of Track Machine operator regarding Caution Order, speed restrictions, Whistle code. |
| SR-1/1.10 | Shunting of Track Machine, Working at Station/in Block section and in Automatic Block system, Break-down of Track Machine. |
| SR-1/1.11 | Track Machines, general rules applicable, essential equipments, manning, competency certificate, |
| SR-1/1.12 | SWR, Working Time Table, Head Light, Marker Light, Flasher Light, Blinker Light. |
| SR-1/1.13 | Line block, Protection of Engineering works & Indicators. |

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| SR-1/1.14 | Precautions during – • Fire, <ul style="list-style-type: none"> • In case of Track Machine unable to proceed for any reason between stations, • Hot Axle / hot roller bearing or damaged vehicle in Train, • Noticed any abnormality in train, track and other installations which may cause danger to train operation, • Flooding of track |
| SR-1/1.15 | Use of PCP/ECP Box |

| SR-1/1A CHILD RIGHT , CHILD PROTECTION AND RELATED LAWS | |
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| SR-1/1.1A | Introduction- Brief about the Organization, Introduce the training and sharing of objective. |
| SR-1/1.2A | Pre-Assessment- To understand participant's knowledge, attitude, practice in relation to child protection. |
| SR-1/1.3A | Introduction to child rights- The participants to gain an understanding of the following: Who is child, Why children are on street and on railway platforms? And their vulnerabilities, What are child Rights? |
| SR-1/1.4A | Introduction to child Protection Mechanism and legal framework in India- Brief introduction and highlights of major laws on child protection with special focus on Juvenile Justice (Care and Protection)Act, 2015 |
| SR-1/1.5A | Orientation on Railway's SOP for Railways to care and protection of children in contact with Railways -Introduction to key components of the SOP and Guidebook, Participants to be introduced to the various roles and responsibilities SS/SM, Roles and responsibilities of CHD with specific focus on RPF, Protocols to be followed in relation with children at the rly. stations and in Train |
| SR-1/1.6A | Open discussion- Open discussion with participants about challenges while dealing with children |
| SR-1/1.7A | Post-Training Assessment- To understand participant's knowledge, attitude, practice in relation to child protection |
| SR-1/1.8A | Feedback and vote of thanks |

SR-1/2

SAFETY MANAGEMENT

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| SR-1/2.1 | Accidents – <ul style="list-style-type: none"> • Various Definitions, Classification, • Safety in train operation • Consequential & other Train accidents • Indicative Accidents – Class F, G & H • Accident Management- Sounding of Siren, Movement of Relief trains • Running of ART, ARME, Hooters, Target Time and Ex-gratia payments • Protection of line, Preservation clues at the site • Fire on Trains, Hot Axle, Train Parting / Dividing • Duties of Track Machine operators in case of accidents or obstruction |
| SR-1/2.2 | Disaster Management – Introduction, Golden Hour |
| SR-1/2.3 | First Aid – (Theory & Practical) Aims and Objective of First Aid. Half Day Hands on Practice. |
| SR-1/2.4 | Fire Fighting – Theory & Demonstration, Types of fire, causes of fire in train and at station, types of fire extinguisher, upkeep/readiness and use of fire extinguisher. Hands on Practice. |

| SR-1/3 ETHICAL LEADERSHIP & SOFT SKILL | |
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| SR-1/3.1 | Ethics – Meaning, Role, Need, Value and Importance in public life. |
| SR-1/3.2 | Leadership – Meaning, Role, Need, Value and Importance, Team building, |
| SR-1/3.3 | Personality Development - Meaning, Need and Importance. Positive Attitude Development, Effective communication Skills, Patience. |
| SR-1/3.4 | Stress Management - Meaning, Causes, Symptoms, remedies importance in personal and professional life. |
| SR-1/3.5 | Soft Skills – Meaning, Requirements and its importance in public life. |
| SR-1/3.6 | Yoga, PT, Meditation and Shramdan. |
| SR-1/3.7 | Sports |

| SR-1/4 EXAMINATION | | Day | Hours |
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| SR-1/4.1 | Paper – 1 (Transportation) = Max Marks: 100 Model Room | 1 | 3 |

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