

27/02/18



Government of India (Bharat Sarkar)
Ministry of Railways (Rail Mantralaya)
(Railway Board)

(RBE No. 129/2018)

No. E(MPP)2018/3/27

New Delhi, Dated 7.9.2018

The General Managers,
All Indian Railways including
Production Units.

The Director
Indian Railways Institute of
Civil Engineering (IRICEN)
Pune.

Sub: Inclusion of syllabus related with routine maintenance of Small Track Machines in Training Module No.PTMIN006 & PMTPR005 for Civil Engineering Permanent Way Staff.

Ministry of Railways (Railway Board) has reviewed the syllabus related with routine maintenance of Small Track Machines in Training Module No.PTMIN006 & PMTPR005 for Civil Engineering Permanent Way Staff and decided to include the following modification in the syllabus as given under:

Module No.	Lesson Content (existing)	Revised Lesson Content
PTMIN006	Maintenance of track - different operations; through packing, slack picking, overhauling of line - Mechanized maintenance of track and job of Gangman in this, works involved in the maintenance of Points & Crossings, Curves, Level Crossings and Bridges, Creep and its effect, preventive measures like fixation of anchors, recouplement of missing fittings, renewal of ineffective fittings, pulling back of creep, attention to SEJ, Glued Joints, insulated block joints,	Maintenance of track - different operations; through packing, slack picking, overhauling of line - Mechanized maintenance of track and job of Gangman in this, works involved in the maintenance of Points & Crossings, Curves, Level Crossings and Bridges, Creep and its effect, preventive measures like fixation of anchors, recouplement of missing fittings, renewal of ineffective fittings, pulling back of creep, attention to SEJ, Glued Joints, insulated block joints,


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	<p>Maintenance during foggy weather. Use of Small Track Machines, mobile maintenance units.</p>	<p>Maintenance during foggy weather. Safe operation of Small Track Machines available on Indian Railways on running track, Hands on training for operation of Small Track Machines on model track structure laid in training institutes/schools, Repair & Maintenance of Small Track Machines, Troubleshooting of Small Track Machines, Basic knowledge regarding tools, parts and accessories being used in Small Track Machines.</p>
<p>PMTPR005</p>	<ol style="list-style-type: none"> 1. Maintenance of Track: Parameters, how to measure. 2. Approved methods of maintenance: Conventional, beater packing, machine maintenance, 3-tier system of maintenance, Working of MMUs - differences with conventional maintenance, Service & maintenance tolerances. 3. Programmed regular maintenance: Through packing, over hauling. Slack picking, Pre-monsoon, during monsoon and post monsoon attentions, Record of Gang work, Gang chart/ diary, Keyman's diary, Mate's diary, Record of work of Artisans and other workmen. 4. Mechanized Maintenance: Brief introduction of functions of different types of machines, Pre-requisites to tamping and other machine working, Pre & Post and during attentions for tamping and other machine working. 5. Annual programme for regular track maintenance. 6. Small Track Machines: types, 	<ol style="list-style-type: none"> 1. Maintenance of Track: Parameters, how to measure. 2. Approved methods of maintenance: Conventional, beater packing, machine maintenance, 3-tier system of maintenance, Working of MMUs - differences with conventional maintenance, Service & maintenance tolerances. 3. Programmed regular maintenance: Through packing, over hauling. Slack picking, Pre-monsoon, during monsoon and post monsoon attentions, Record of Gang work, Gang chart/ diary, Keyman's diary, Mate's diary, Record of work of Artisans and other workmen. 4. Mechanized Maintenance: Brief introduction of functions of different types of machines, Pre-requisites to tamping and other machine working, Pre & Post and during attentions for tamping and other machine working. 5. Annual programme for regular track maintenance.

	<p>use in maintenance, spot attention with off track tampers, Troubleshooting and system. Basic knowledge of OHE, Maintenance in electrified territories, and maintenance of track circuited sections, use of insulated trolleys, Felling/Cutting/ Pruning of trees obstructing view or very close to OHE.</p> <p>7. Special attention to maintenance of platform lines and drainage, fixing of distance pieces on platform lines, corrosion of rails, fastening of concrete sleepers, jamming of ERCs and problem of groove formation, protection against corrosion-greasing of ERCs inserts and liners, painting of welds and rails, maintenance of turn in curves, infringements.</p>	<p>6. Safe operation of Small Track Machines available on Indian Railways on running track, Hands on training for operation of Small Track Machines on model track structure laid in training institutes/schools, Repair & Maintenance of Small Track Machines, Troubleshooting of Small Track Machines, Basic knowledge regarding tools, parts and accessories being used in Small Track Machines. Basic knowledge of OHE, Maintenance in electrified territories, maintenance of track circuited sections, use of insulated trolleys, Felling/Cutting/ Pruning of trees obstructing view or very close to OHE.</p> <p>7. Special attention to maintenance of platform lines and drainage, fixing of distance pieces on platform lines, corrosion of rails, fastening of concrete sleepers, jamming of ERCs and problem of groove formation, protection against corrosion-greasing of ERCs inserts and liners, painting of welds and rails, maintenance of turn in curves, infringements.</p>
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The main thrust of the Module Nos.PTMIN006 and PMTPR005 is on maintenance of track for Trackman and Key man respectively.

In view of the above, syllabus stands amended.


 7/9/18
(Ajay Jha)
Joint Director/MPP
Railway Board.

17/9/18
No. E(MPP)2018/3/27.

New Delhi, Dated 7 .09.2018

Copy to:

- 1) The General Secretary, NFIR, 3 Chelmsford Road, New Delhi for information with 35 spares
- 2) The General Secretary, AIRF, 4 State Entry Road, New Delhi for information with 35 spares.
- 3) The Secretary General, FROA, R.No.256-A, Rail Bhavan, New Delhi for information with 5 spares.
- 4) The Secretary General, IRPOF, R.No.268, Rail Bhavan, New Delhi for information with 5 spares.
- 5) All Members, Department Council & Secretary Staff side National Council 13-C, Ferozeshah Road, New Delhi with 90 spares.
- 6) The Secretary General, AIRPF Association, Room No.256-D, Rail Bhavan, New Delhi with 5 spares.
- 7) General Secretary, All India SC & ST Railway Employees Association, 171/B-3, Basant Lane Railway Colony, New Delhi (15 copies).

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17/9/18
For Secretary/Railways

No. E(MPP)2009/6/14 Pt.

New Delhi, Dated 7 .09.2018

Copy to:

- i) PS & ED(PG) to MR, MSR(A) & MSR(K)
- ii) PSO/Sr.PPS to CRB, FC, ML, ME, MM, MS, MT, DG(RHS) & DG(RPF)
- iii) Sr.PPS/PPS/PS to AM(Budget), AM(CE), AM(C&IS), AM(Comml.), AM(Elect), AM(Fin), AM(Mech.), AM(Plg.), AM(Project), AM(PU), AM(Sig.), AM(Staff), AM(RS), AM(T&C), AM(Tele), AM(Traffic), AM(Works), Adv.L(RS), Adv(Vig.), Adv.Fin(Exp), Adv(IR), Adv(Safety), LA, OSD(MIS).
- iv) ED(Plg.), ED(Accts.), EDF(BC), 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€, EDF(S), EDF(B), EDF(RM), EDF(X)I, EDF(X)II, ED(H), EDLM, ED(MIS), EDE(GC), ED(T&MPP), EDME(Chg.), EDME(Fr.), EDME(Tr.), EDME(TOT), EDME(Dev.), EDME(W), ED(PC)I, ED(PC)II, ED(PP), ED(Project), ED(Project)/DMRC, EDRE, ED(Safety), JS, JS(C), JS€, JS(P), IG./RPF(Hqs), IG/RS, ED(S9g.), ED(Stat&Econ.), EDRS(C), EDRS(G), EDRS(P), EDRS(S), EDRS(W), ED(TD), EDTT(M), EDT(MC), EDT(P), ED(T&C), EDCE(P), ED(PM), ED(PG), EDTC-I, EDTC(FM), EDTT(F), EDTT(FM), EDTT(S), EDV(A), EDVE, EDV(T), 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.

