

| COURSE MODULE | | | |
|---|---|--------------------------|----------------------|
| Course No. CE 35: Special Course on Track Machines for Trainers at ZTC | | | |
| Duration:1Week | | Effective Days:06 | |
| CM No. | Subjects wise Contents | Periods | Total Periods |
| 35.1 | Introduction Of Track Machine Electronics | 1 | 2 |
| | Introduction Of Track Machine Power and Hydraulic System. | 1 | |
| 35.2 | Track Machines & Working Principles: | | 16 |
| | Provisions of IRTMM including Infrastructure requirements & man power planning for Mechanized track. | 2 | |
| | Rules for movement and Block working including action in case of machine breakdown | 2 | |
| | Periodic maintenance | 1 | |
| | TM Reports and Machine Manufacture's/OEM's Literature | 2 | |
| | Spares Management and Drawing & Specifications of Important Spares. | 2 | |
| | Procurement & Inspection | 1 | |
| | Working Principle of Lining including Design Mode of working of Tamping Machines | 2 | |
| | Working Principle of Levelling including Design Mode of working of Tamping Machines. | 2 | |
| | Hands on training on calculating Vm values in 4-point lining | 1 | |
| | Hands on training on calculating Versine, X and K values for 3 point lining and Levelling using OEM'S manual. | 1 | |
| 35.3 | Computer: | | 8 |
| | Introduction to Automatic Guiding Computer (ALC) Hardware & Win ALC Software. | 1 | |
| | Working in Geometry & Measuring Run Mode also making data file for known Track Geometry and Front Offset's. | 3 | |
| | Hands On training on using ALC measuring run data to computing best curve. | 2 | |
| | Hands On training on CMS & CWS . | 1 | |
| | Hands On training on DRP (Data recoding processor) | 1 | |
| 35.4 | Technical Film Show | 2 | 2 |
| 35.5 | Library | 2 | 2 |
| 35.6 | Visit to CPOH | 2 | 2 |
| | Introduction and Valediction | 2 | 2 |
| | Total | 34 | 34 |

- Note:**
- 1 course of 1 week duration every year for trainers at Zonal Training Centre with distribution of seat @ 1 per Railway Zone
 - To bridge the gap between theory and ractical,1 visit to CPOH shall be arranged
 - Practical demonstration in Model rooms shall be given along with theoretical as and when required besides Practical specifically marked for Model Rooms.