

COURSE MODULE Course No. CE 42: Special Course on Track Relaying M/c- TLE, TRT, T-28 Duration: 1Week Effective Days:06			
CM No.	Subjects wise Contents	Periods	Total Periods
42.1	Electrical & Electronics:		2
	Engine circuit of PQRS, TRT & T-28.	2	
42.2	Hydraulics		6
	Hydraulic System of PQRS & Troubleshooting.	2	
	Hydraulic System of TRT & Troubleshooting.	2	
	Hydraulic system of T-28 & Troubleshooting	2	
42.3	I.C. Engine:		4
	Working Principle, main features and troubleshooting of PQRS Engine - HA694 and TRT EngineNTA-855.	2	
	Working Principle, main features and troubleshooting of Engines of T-28 - SUN 6105I & DIN6271.	2	
42.4	Track Machines & Working Principles:		18
	PQRS - Main features, main units & their functions, General Data, Auxiliary Track, PQRS - Yard Activities, Panels Fabrication, Rake Formation, Base	2	
	Depot Amenities. PQRS : Pre-requisites, Pre-relaying operations, Different methods of laying, Post-relaying operations	2	
	TRT - Main features, main units viz. Beam Car, Handling Car, Power Car & their functions	2	
	TRT - Operations prior to Deployment of Machine, Base Depot Activities, Modified BFRs, Rake Formation	2	
	TRT - Technical data, Manual operations during Block, Post Block operations, Precautions during work, Speed Restrictions after relaying with or without DTS.	2	
	T-28 - Main features, main units viz. Portal Crane, Trolleys, Jib Crane etc. & their functions, T-28 - General data, Power Transmission.	2	
	T-28 - Pre-Block operations, Operations during Block Pre-Block Operations & Miscellaneous guidelines.	2	
	RDSO Maintenance schedules, Inspection check lists & Troubleshooting Guide on PQRS, TRT & T-28	2	
	Rules for movement and Block working including action in case of machine breakdown	2	
42.5	P.Way		2
	Classification of Track Renewals & Governing Factors, Theory of welded rails, Thermal forces in LWR, De- stressing, Standard Dimensions, Protection of track during working & emergencies.	2	
42.6	Introduction and Valediction	2	2
	Total	34	34

Note: 1. Eligibility: SSE/SE/JE and Technicians

2. Practical demonstration in Model rooms shall be given along with theoretical s as and when required.