

SFT

Syllabus for selection of Chief Instructor (Signal) and Senior Instructor (Signal) at ZRTI Bhusawal

General and Subsidiary Rules as applied to Railway Operation, Signaling and Works connected with Signaling Provision of Signaling at Level Crossing Gates and outlying Siding, Rules for working of putting siding with and without Token on single line, Catch and Slip Siding Isolation, DCN and Procedure for Running of Trains during Non Interlocking, Station Working Rules, Station Working Rule Diagram. Signal Engineering manual with Special reference to various requirements of Block Working.

Fundamental Engineering and Applied Technology, Simple Machinery like Inclined Plane, Pulley, Blocks, Traveling, Trolleys, Machines which aid in reduction of time and labour in installation of various Signaling Gears, Principal of Magnetism and Electricity as affecting the operation of Signaling equipments like Relays both AC and DC, Point Machine, Crank Handle Interlocking.

Principles of Signal Engineering, Standard of Inter-locking and their requirements.

Track Circuits / Axle Counters, Precaution to be observed for resetting of Axle Counters, Application of Axle Counters, BPAC, Interlocking Plans, Locking Table and selection Circuits, Joints Inspection of Points and Crossing. Checks required while taking over points from Engineering Department.

Panel Interlocking / Route Relay Interlocking (Operation) with DATA Logger.

Auxiliary Warning System, Anti Collision Devices, Provision of Double Distant Signals, Aspect Control Chart and Modern Signaling.

Telecommunication equipments used at Accident Site.

In Modern Technology basic concept of Audio Frequency Track Circuit, Digital Axle Counter and Electronic Interlocking.

RAJBHASHA

Provision of Rules for RAJBHASHA etc.