CHAPTER XVII

WORKING OF TRAINS
ON ELECTRIFIED SECTIONS OF RAILWAYS

17.01 APPLICABILITY OF GENERAL RULES.—All rules referring to the working of trains shall also apply to electrified sections except as otherwise provided in the rules contained in this chapter.

17.02 SPECIAL DEFINITIONS APPLICABLE TO THIS CHAPTER.—In these rules, unless the context otherwise requires—

(1) ‘electrical way and works’ means the traction installations including overhead equipment and other connected works provided on the electrified sections of the railway;

(2) ‘feeding post’ means a supply control post, where the incoming feeder lines from grid sub-station are terminated;

(3) ‘neutral section’ means a short section of insulated and dead overhead equipment which separates the areas fed by adjacent sub-stations or feeding posts;

(4) ‘power block’ means blocking of a section of line to electric traffic only;

(5) ‘supply control post’ means an assembly of interrupters, isolator switches, remote control equipment and other apparatus provided for controlling power supply to overhead equipment. It includes feeding posts, sectioning and paralleling posts, sub-sectioning and paralleling posts and sub-sectioning posts;

(6) ‘tower wagon’ means a self-propelled vehicle which is used for the maintenance and repairs of overhead equipment;

(7) ‘Traction power controller’ means a competent railway servant who may, for the time being, be responsible for the control of power supply on the traction distribution system.
17.03 INSPECTION OF ELECTRICAL WAY AND WORKS. — The Electrical way and works shall be inspected regularly in accordance with special instructions by officials nominated for the purpose and in accordance with the duties assigned to them.

17.04 PERMIT-TO-WORK ON ELECTRICAL EQUIPMENT.—If work is to be carried out adjacent to the electrical equipment or any other part thereof by other than the competent railway servant, such work shall be done only when and for such time as the person-in-charge of the work has obtained a written permit-to-work, duly signed and given by the railway servant authorised for the purpose by special instructions. He, in turn, shall issue the same only with the knowledge of the Traction Power Controller.

17.05 WARNING TO STAFF AND PUBLIC.—

(1) All electrical equipment shall be regarded as being live at all times and consequently dangerous to human life, save and except in cases, where the electrical equipment has been specially made dead in accordance with special instructions. Caution notices shall be prominently fixed near all vulnerable places to warn staff and public to exercise due caution.

(2) No person shall climb on the top of engines or tenders or on the roofs of carriages or wagons when those vehicles are located beneath overhead equipment except when the overhead equipment is dead and earthed in accordance with special instructions.

17.06 ALTERATIONS TO TRACK.—Before any alteration to alignment or level of electrified tracks is commenced, due notice shall be given to those responsible for the overhead equipment so that the overhead equipment may be adjusted to conform to the new conditions.

17.07 TRIPPING OF CIRCUIT BREAKERS OF LOCOMOTIVES AND ELECTRICAL MULTIPLE UNITS AT NEUTRAL SECTIONS.—Unless otherwise allowed by special instructions, the Driver of the locomotive or electrical multiple unit shall coast through the neutral section, duly switching off power.
Necessary indication boards to this effect shall be providing to guide the Driver to ‘switch off’ and ‘switch on’ power.

17.08 TOWER WAGON.—The rules for the movement and working of tower wagons shall be laid down by special instructions.

17.09 ADDITIONAL RULES FOR ELECTRIFIED SECTIONS.—Special instructions for working of trains on electrified sections shall be notified by the authorised officer.