

CHAPTER IV

COMMUNICATION REQUIREMENTS FOR NEW STATIONS

- 4.1 Opening of new stations whether in an already existing line or as part of a new section shall be governed by “ Rules for opening of a Railway”.
- 4.2 Communication systems for new sections shall be planned on underground cable only. Suitable system to meet the future communication requirement of the section shall be planned. Adequate capacity shall be built in to meet the safety requirements of block working, TAWD, BPAC, emergency requirements for accident communication etc.
- 4.3 Communication arrangements at a new station shall be governed by:
- a) Controlled / Uncontrolled section.
 - b) Electrified/Non-electrified section.
 - c) Importance in terms of the various departmental staff to be Posted at the station.
- 4.4 The following communication arrangements shall be provided at new stations:
- a) Control telephone in controlled sections.
 - b) Phone communication to all manned level crossing gates controlled from the station.
 - c) 25W VHF sets with proper standby power supply.
 - d) Communication arrangements with sidings. Mode of communication shall be decided by the Railway administration, depending on the importance of the siding.
 - e) BSNL phone wherever feasible. In the absence of feasibility for land line BSNL phone, wherever WLL phone is feasible, it shall be provided.
 - f) In new sections, telephone exchange shall be provided at important stations where there is a sizeable establishment for railway working. Wherever feasible, such exchanges shall be connected by suitable means to the divisional exchange.
 - g) In all new sections, S&T controls shall be provided connecting SE/JE (S&T) Offices and residences of Technicians (S&T) etc. This shall however be subject to availability of channel in the main communication system.
 - h) In all new sections, Engg. Control shall be provided connecting SE/JE (P.Way) offices and residences. This shall however be subject to availability of channel in the main communication system.
 - i) In a new section, communication arrangements for block working to suit the system of working to be followed shall be provided.
 - j) In electrified territory, TPC phone shall be provided.
- 4.5 Additional communication facilities be provided in new electrified sections, shall be governed by the provisions in Chapter - IV of the 25KV AC traction manual.

- 4.6 All the communication equipments shall be provided with suitable power supply arrangements and proper protective arrangements.
- 4.7 All the communication equipments and power supply units shall be properly earthed.
- 4.5 Besides telecommunication facilities, one or more of the following facilities are to be provided depending on the importance of the station.
- a) Platform clocks.
 - b) PA systems for announcements on the platforms.
 - c) Rly and BSNL Telephones for Train Enquiry Communication.
 - d) IVRS systems.
 - e) Train Indication Board as per Railway Board's guidelines.