

## **CHAPTER XIV**

### **BLOCK WORKING**

#### **A. General Provisions**

##### **14.01. Means of granting or obtaining Line Clear.—**

The running of every train shall, in its progress from one block station to another, be regulated by means of any one of or a combination of the following: —

- (a) electrical block instruments of token or tokenless type,
- (b) track circuits,
- (c) axle counters, or
- (d) electrical communication instruments.

SR. 14.01. The following electrical communication instruments are the authorised alternative means of communication to be used in the order of priority indicated below:-

- (i) Telephone attached to Block Instrument;
- (ii) Station to Station fixed telephones, where available;
- (iii) Fixed telephone such as Railway Auto-phone and BSNL telephone;
- (iv) Control telephone and
- (v) VHF set.

##### **14.02. Provision of instruments.—**

- (1) Electrical communication instruments shall be provided at every station, except at class 'D' stations, where they may be provided under special instructions.
- (2) (a) The electrical block instruments, where provided, and electrical communication instruments at any station shall be of a type approved by the Commissioner of Railway Safety and shall not be brought into use in the first instance unless they have been passed by him.
- (b) The person in-charge of the maintenance of electrical block instruments or electrical communication instruments shall not without the approval of the Commissioner of Railway Safety, permit the substitution, for the instruments and installation brought into use in the first instance, of any instruments or installation which do or does not satisfy the conditions prescribed in clause (a).

S.R.14.02. The sections of the line provided with different types of Block Instruments shall be notified in the Working Time Table for passenger trains.

##### **14.03. Consent required before interfering with Block working equipment.—**

No railway servant shall interfere with the block working equipment, or their fittings for the purpose of effecting repairs, or for any other purpose, except with the previous consent of the Station Master.

**B. Block Station at which Electrical Block Instruments Track Circuits or Axle Counters are provided**

**14.04. Certificate of competency.—**

- (1) No person shall operate the electrical block instruments until he has passed a test in the operation of block instruments and unless he holds a certificate of competency granted by a railway servant appointed in this behalf by the Railway Administration.
- (2) The certificate of competency referred to in sub-rule (1) shall only be valid for a period of three years or such longer period as may be laid down by special instructions.

S.R.14.04. Principal, Zonal Railway Training Institute, Moula-ali is the authorised official to issue the Competency Certificate, which shall be valid for a period of three years.

**14.05. Bell code.—**

For the signalling of trains, the prescribed code of bell signals as detailed below, shall be used, and a copy thereof shall be exhibited in each block station near the place of operation of the block working equipment —

Ref. No.	Indication	Code	How signalled	How acknowledged
1	Call attention or attend telephone	0	One stroke or beat	One stroke or beat
2	Is line clear or line clear enquiry	00	Two	Two
3	Train entering block section	000	Three	Three
4	(A)Train out of block section (B)Obstruction removed	0000	Four	Four
5	(A)Cancel last signal (B)Signal given in error	00000	Five	Five
6	(A)Obstruction danger signal (general) (B)Stop and examine train (C)Train passed without tail lamp or tail board	000000 000000 – 0 000000 – 00	Six Six pause one Six pause two	Six Six pause one Six pause two