

## **CHAPTER VII**

### **TESTING OF BLOCK INSTRUMENTS**

#### **7.1 Persons authorised to test:**

The block instruments and apparatus in connection with them may only be tested by ESM/SI/ASTE/DSTE in accordance with the procedure laid down in para 7.3.

#### **7.2 Block Section to be clear during Test:**

The block instruments and apparatus in connection with them shall not be tested while the line is blocked for a train to pass over either down or up block section.

#### **7.3 Procedure for testing:**

- a) The procedure for testing the block instruments at 'X' and 'Y' are as follows:
  - i) Assuming that the SI/ESM is at 'X', he shall first exchange testing signals with 'Y'.
  - ii) The SI/ESM shall then give 'Is line clear' signal to 'Y', who shall acknowledge the signal and give 'Line Clear'. Thereupon the SI/ESM shall take 'OFF' the Last Stop Signal at 'X' to see that the electric lock has been released.
  - iii) The SI/ESM shall then cancel 'Line Clear' and again attempt to take 'OFF' Last Stop Signal at 'X' to see that it is locked.
  - iv) 'Y' shall then give 'Is line clear' signal to 'X' who shall acknowledge the signal and give 'Line clear'. 'Y' shall then take 'OFF' Last Stop Signal to see that the electric lock has been released.
  - v) 'Y' shall then cancel 'Line clear' and again attempt to take 'OFF' Last Stop Signal to see that it is locked.
  - vi) Testing signals shall then be exchanged again between the SI/ESM at 'X' and 'Y' in token of the operation having been completed.

- b)** Whenever any authorised person who is not competent to test the block instrument is present at one end, he may request the Station Master to test the block instrument on his behalf. The Station Master shall comply with such request and exchange testing signals with Station Master at the other end.

**Note:** Whenever under the provisions of clause (b) above, the Station Master himself exchanges the testing signals on behalf of the authorised person, he shall make the necessary entries in the Train Signal Register and get the entry countersigned by the authorised person.

- c)** Whenever the SI/ESM or other authorised person opens the instrument such as for restoration of block working after a failure or for maintenance work or when fixing a new instrument, he shall test the block instrument as prescribed in clause (a) above.

**Note:** The SI/ESM shall test the working of the Last Stop Signal during his maintenance work or while attending failures.

- d)** Whenever 'Testing signals' are exchanged, the Station Master at one end of the block section and the Signal Inspector or other authorised person at the other end, shall write in the Train Signal Register –

Time..... Exchanged 'Testing signals' with Station Master at.....station. Last Stop Signal was taken 'OFF' and restored to normal.

The entries shall be made in red ink on the line immediately below the entries for the last train and the time given shall be the time when the testing signals were completed.

#### **7.4 Consent required before interfering with block working equipment.(G.R. 14.03).**

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.