

## **CHAPTER VII**

### **TESTING OF BLOCK INSTRUMENTS.**

#### **7.1. The 'Testing' signal:**

The 'Testing' signal shall be used only for the purpose of testing the block instruments.

#### **7.2. Persons authorised to Test:**

- a) The Block Instruments and apparatus connected with them may only be tested by SI/ESM and other authorised officials of the S&T department. 'Testing' signal shall not be exchanged unless the SI/ESM or other authorised official of the S & T department is at one end of the Block Section and the receipt of the 'testing' signal shall be regarded as an intimation that the SI/ESM or other authorised official of the S&T department is present.
- b) Whenever any authorised person who is not competent to test the instrument is present at one end, he may request the Station Master to test the instrument on his behalf. The Station Master shall comply with such request and exchange testing signals with the Station Master at the other end. Both the Station Masters shall make necessary entries in their Train Signal Registers.

#### **7.3. Block Section to be clear during Test:**

The instrument and apparatus connected with them shall not be tested after 'Line clear' has been given or obtained for a train.

#### **7.4. Procedure for Testing:**

- a) The procedure for testing the block instruments at 'X' and 'Y' is 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'. The SI/ESM shall test the block instrument and the Last Stop Signal control, if any, for correct operation.

- b) After testing the block instruments the 'Line clear' shall be cancelled as per para 3.3(A).
- c) This operation shall be repeated in the reverse direction by the Station Master at 'Y' commencing with the 'Testing signal'.
- d) Whenever the SI/ESM or any other authorised official opens the instrument for restoration of block working after a failure or maintenance work or when fixing a new instrument, he shall test the block instrument as prescribed in Para 7.4(a) (i) & (ii) above.
- e) The SI/ESM or any other authorized official shall test the working of the Last Stop Signal, if any, during his maintenance work or after attending failures.
- f) After the testing, the Station Master shall ensure that the block instrument and other appliances are restored to normal and are locked, wherever required. Entries in red ink shall be made in the Train Signal Register as follows on the line immediately below the entries for the last train and signed by both the SI/ESM or the other authorised official and the Station Master.

Time.....Instrument opened for.....Exchanged 'Testing' signals with Station Master of.....station. Extracted token number ..... and restored it to the instrument.

Sd/- .....  
 Authorised official of the S&T department

Tested the block instrument and found in order.

Sd/-

.....  
 Station Master

## 7.5. Removal of defective Tokens or provision of New Token:

When a defective token is removed from or a new token is inserted into a block instrument, an entry shall be made in the Train Signal Register showing the class and the number of the token removed or inserted, the reasons therefor and the time at which it is done. These entries shall be made in red ink and signed by the Signal Inspector or any other authorised official and countersigned by the Station Master.