

## **CHAPTER V**

### **USE OF SPECIAL SIGNALS AND PROCEDURE IN EMERGENCIES**

#### **5.1. Refusal of the 'Is Line clear' signal; sending of the 'Obstruction danger signal'.**

- a) If for any reason, the station in advance is unable to accept the 'Is Line clear' signal, such station shall refuse it by sending the 'Obstruction danger signal'.
- b) If the block station in advance is not in a position to accept 'Is line clear' signal, the train shall be stopped at the station and shall not be allowed to leave it, until 'Is Line clear' signal has been given to and accepted by the block station in advance,
- c) When 'Y' intimates refusal to accept the train, both 'X' and 'Y' shall enter the words 'Line clear refused' in the Train Signal Register duly signed, showing the time of receipt of intimation with the reasons therefore.
- d) When 'Y' sends 'Obstruction removed' signal, both 'X' and 'Y' shall enter the same with time in the Train Signal Register.

*Note: In case of Push button token-less block instruments, the Station Master, who is unable to accept 'Is line clear signal', shall remove shunt key/reverse Last Stop Signal/First Stop Signal lever/knob.*

*They shall make entirely new entries in their Train Signal Registers when 'X' again asks 'Y', 'Is line clear'.*

#### **5.2. Special use of 'Obstruction danger signal':**

- a) 'Y' may discover after the 'Train coming from' indication displayed on the block instrument that a bridge or some part of the permanent way is damaged or that there is some other train or obstruction on the 'X' – 'Y' block section. Under the circumstances 'Y' should immediately send to 'X' the 'Obstruction danger signal,' to avoid an accident.
- b) On receipt of the 'Obstruction danger signal,' 'X' should, if possible, prevent the train from entering 'X' – 'Y' block section. If he succeeds in stopping the train, the 'Line clear' should be cancelled.

- c) Only after the obstruction has been removed, 'X' or 'Y' may allow this train or any other train to enter the 'X'- 'Y' block section .

**5.3. a) Working of trains required to go beyond the First Stop Signal at a class B station – Diodo Handle type tokenless block instrument (G.R. 8.13):**

When 'X' requires to send a train partly or fully outside the Outer signal or Home signal (in case of stations equipped with Multiple Aspect signalling) in the direction of 'Y', he shall obtain 'Line clear' from 'Y' explaining the reason which shall also be recorded in the Train Signal Register at 'X' and 'Y'. The Station Master shall then issue to the Driver a written authority authorising him to proceed outside the Outer signal or the Home signal (in case of stations equipped with Multiple Aspect signalling) and return to 'X' and obtain his acknowledgement. The departure signals can be taken 'off'. When the train returns, the reception signals can be taken 'off' using switch S 2 and following the procedure for closing the line as detailed vide para 3.2(C).

**b) Working of trains required to go beyond the First Stop Signal at a class B station – Kyosan / Podanur Push button token less block instrument (G.R. 8.13):**

When 'X' requires to send a train partly or fully outside the Outer signal or Home signal (in case of stations equipped with Multiple Aspect signalling ) in the direction of 'Y', he shall obtain 'line clear' from 'Y' explaining the reasons which shall also be recorded in the Train Signal Registers at both 'X' and 'Y'. He shall then issue to the Driver a written authority, authorising him to proceed outside the Outer signal or the Home signal(in case of stations equipped with Multiple Aspect signalling) and return to 'X' and obtain his acknowledgement. The departure signals can be taken 'OFF'. When the train returns, the reception signals can be taken 'OFF'. The procedure for setting the block instrument to 'Line closed' condition as detailed vide para 3.3 ( c ) should be followed.

**5.4. 'Cancel last signal' :**

**a) Diodo Handle type block instrument:**

If 'X' has obtained 'Line clear' from 'Y', and finds it necessary for any reason, to cancel the 'Line clear', 'X' must call 'Y's attention. On getting the acknowledgement from 'Y', 'X' must inform 'Y' on the telephone the reasons for cancelling the 'Line clear'. The procedure as detailed vide para 3.2(B) should be followed.