

## **CHAPTER II**

### **SYSTEMS OF WORKING, BLOCK COMPETENCY CERTIFICATE, CODE OF BELL SIGNALS, PRECEDENCE OF TRAINS, AND TRAIN SIGNAL REGISTER.**

#### **2.1. Systems of working (G.R. 7.01).**

The systems normally used on this Railway are:-

- a) The Automatic Block System : As specified under SR 7.01
- b) The Absolute Block System :- On all other sections.

#### **2.2. Block Competency Certificate (G.R.14.04)**

- a) The Principal of the Zonal Railway Training Institute / Moula-Ali is responsible for the proper Initial/Refresher training of the staff in the rules connected with Block working. After the staff are declared successful in the examination held for this purpose, he shall grant the necessary competency certificate in respect of all the block instruments. Such certificates shall be valid only for a period of three years from the date of their issue. The certificate should be issued by the Principal of the ZRTI/ MLY under his signature for those who attend the Initial / Refresher course.
- b) Principal , STTC / MLY is authorised to issue the BCC to the Signal Maintainers who are required to maintain and test the block instruments. The certificate should be issued after successful completion of Initial / Refresher course which is valid for a period of four years.  
As a temporary measure , DSTE / ASTE of the divisions can extend the validity of BCC for one year. However, only one such extension is permissible.
- c) If the staff, working for a year or more at stations where they are not required to operate the block instruments , are transferred to a station where they are required to operate the block instruments, they shall not be allowed to operate the block instruments even though they are in possession of valid Block Competency Certificates. They should be tested locally by the Traffic Inspector concerned and an endorsement be made by the Sr.Divisional Operations Manager/ Divisional Operations Manager of the division on the Block Competency Certificate before they are put to operate block instruments.

- d) The BCC shall be kept in the personal custody of the staff while on duty and produced for inspection on demand by the inspecting officials.

### 2.3. Bell Code:(G.R. 14.05)

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)	000000	Six	Six
	b) Stop and examine train	000000-0	Six pause one	Six pause one
	c) Train passed without tail lamp or tail board	000000-00	Six pause two	Six pause two
	d) Train divided	000000-000	Six pause three	Six pause three
	e) Vehicles running away into the block section on wrong line	000000-0000	Six pause four	Six pause four
	f) Vehicles running away into the block section on right line	000000-00000	Six pause five	Six pause five
7	Testing	0000000000000000	sixteen	Sixteen