

**BHARAT RAIL AUTOMATION  
PVT.LTD. MUMBAI**

**WEST CENTRAL RAILWAY  
BHOPAL STATION**

MINI GRDN	111
TERMINAL	91-92
CONNECTNS	01-02
(REAR VIEW)	1

53-54	15.2
43-44	05.2
63-64	33-34
73-74	04.2
83-84	13.2
93-94	03.2
03-04	12.2
01-02	13-14
2	02.2
51-52	15.1
61-62	05.1
71-72	31-32
81-82	04.1
91-92	14.1
01-02	03.1
11-12	13.1
21-22	02.1
31-32	11-12
41-42	01.1

DRAWN

CHECKED

PROVISION OF ROUTE RELAY INTERLOCKING.  
TO SUIT I.P. NO. S.I. 4121 DT. 23.02.2006

SERIAL NO.	SIGNAL ROUTE	DESCRIPTION OF MAIN & CO. ROUTES	PUSH BUTTON		SET	ELIMINATED IN ROUTE SECTIONS		POINTS SELECTION IN ROUTE	TRACK CKTS.FREE		OVERLAP		LOCKS GATE	SLOT REQUIRED	SIGNAL TO DANGER WITH T.C.	APPROCH LOCKING T.C.S	SIGNAL ASPECT			'A' MARKER CALLING ON	ROUTE INDICATOR	LOCKS CRANK HANDLE GROUP NO.	REMARK	
			GN	UN		ELIMINATED IN ROUTE	OVERLAP		IN ROUTE	IN OVERLAP	IN OVERLAP	SET					ELIMI-NATED	YELLOW	DOUBLE YELLOW					GREEN
01	S 1 (a)(i)	UP BRANCH HOME FROM UP BRANCH LINE DN TO UP & DN PF LINE NO.1 UPTO SIG. S/CO/SH 7	S 1	UP PL1	1/37 U(R),S, 102 B, 104 B, 106 B	102 a, 105 A, 105 B, 106 C	125A, 125B, 125C, 126B	102/102 R, 104/104 R, 106 R, 107/107 N, 108 R, 105/105 N*, 101/101 N* 109/109 N*	124/124 N*, 123 N*, 125 N	205T 206T, 236T 237T, 238T 240T, PFL1 T, 241T	216T, 217T, 218T, 219T	OV <sub>2</sub> 7, OV <sub>7</sub> 0, OV <sub>2</sub> 74, OV <sub>1</sub> 74	LC NO. 252	1 GF (10) N	236T	D.A.L.	S 7 R OR Y	-	-	-	-	-	CH 1, CH 2, CH 3, CH 4, CH 5, CH 11, CH 12	LOCKS S/SH/CO 65,67, SH 40,42, 54(iii).
02	S 1 (a)(ii)	UP BRANCH HOME FROM UP BRANCH LINE DN TO UP & DN PF LINE NO.1 UPTO SIG. S/CO/SH 7	S 1	UP PL1	1/37 U(R),S, 102 B, 104 B, 106 A	102 a, 105 A, 105 B, 106 C	125B, 125C, 126B	102/102 R, 104/104 R, 106 N, 107/107 N*, 108 N*, 101/101 N* 109/109 N*	124/124 N*, 123 N*, 125 N, 126/126 R	205T 206T, 236T 237T, 238T 240T, PFL1 T, 241T, 242T(F)	216T, 217T, 218T, 219T	OV <sub>2</sub> 7, OV <sub>1</sub> 1, OV <sub>7</sub> 0, OV <sub>1</sub> 74	LC NO. 252	1 GF (10) N	236T	D.A.L.	S 7 R OR Y	-	-	-	-	-	CH 1, CH 2, CH 3, CH 4, CH 11, CH 12	LOCKS S/SH/CO 65,67, SH 7, 40, 54(iii).
03	S 1 (b)	UP BRANCH HOME FROM UP BRANCH LINE DN TO UP MAIN UPTO SIG. NO. S/CO/SH 11	S 1	UP UM	1/37 U(R),S, 102 B, 104 B, 106 A	102 a, 105 A, 105 B, 106 C	128B	102/102 R, 104/104 R, 106 N, 107/107 N*, 108 N*, 101/101 N* 109/109 N*	126/126 N, 130/130 N*	205T 206T, 236T 237T, 238T 240T, UM T, 241T, 242T (F)	218T, 219T	OV <sub>2</sub> 7, OV <sub>7</sub> 0, OV <sub>1</sub> 74, OV <sub>2</sub> 74	LC NO. 252	1 GF (10) N	236T	D.A.L.	S 11 R OR Y G	-	-	-	-	-	CH 1, CH 2, CH 3, CH 4, CH 5, CH 12, CH 15	LOCKS S/SH/CO 65,67, SH 11,40.
04	S 1 (c)	UP BRANCH HOME FROM UP BRANCH LINE DN TO UP & DN P.F. LINE NO.2 UPTO SIG. S/CO/SH 9	S 1	UP PL2	1/37U(R),S, 102B, 105 A, 109 B	102 a, 104 B	128 B, 128 A	102/102 R, 104/104 N, 105/105 N, 109/109 R, 101/101*	127/127 R, 128/128 N	PF L2T, 236T, 237T, 238T, 240T, 241T, 242T, 243T, 245T	270T, 271T	OV <sub>2</sub> 3, OV <sub>1</sub> 74, OV <sub>2</sub> 74, OV <sub>2</sub> 68	LC NO. 252	1 GF (10) N	236T	D.A.L.	S 9 R OR Y	-	-	-	-	-	CH 1, CH 2, CH 3, CH 5, CH 13	LOCKS S/SH/CO 65,67, SH 9, 40
05	S 1 (d)	UP BRANCH HOME FROM UP BRANCH LINE DN UP TO S/CO/SH 3	S 1	246	1/37U(R),S, 102 a, 105 a	102 B, 105 B	110 B, 111 B	102/102 N, 105/105 N	110/110 N, 111/111 N	236T, 237T, 238T, 239T, 246T	247T, 251T, 252T	OV <sub>2</sub> 3, OV <sub>6</sub> 5, OV <sub>6</sub> 7, OV <sub>1</sub> 74, OV <sub>2</sub> 74	LC NO. 252	1 GF (10) N	236T	D.A.L.	S 3 R OR Y	-	-	-	-	-	CH 2, CH 3, CH 6, CH 7	LOCKS SH 3
06	S 1 (ii)	UP BRANCH HOME FROM UP BRANCH LINE DN UP TO S/CO/SH 3	S 1	246	1/37U(R),S, 102 a, 105 a	102 B, 105 B	110 B, 111 A	102/102 N, 105/105 N	110/110 N, 111/111 R, 112 N*	236T, 237T, 238T, 239T, 246T	247T, 250T, 251T	OV <sub>2</sub> 3, OV <sub>6</sub> 5, OV <sub>6</sub> 7, OV <sub>1</sub> 74, OV <sub>2</sub> 74	LC NO. 252	1 GF (10) N	236T	D.A.L.	S 3 R OR Y	-	-	-	-	-	CH 2, CH 3, CH 6, CH 7	LOCKS SH 3
07	CO 1 (i)	UP 'CALLING ON' FROM UP BRANCH LINE DN TO UP & DN PF LINE NO.1 UPTO SIG. S/CO/SH 7	S 1 + COGN	UP PL1	1/37 U(R),S, 102 B, 104 B, 106 B	102 a, 105 A, 105 B, 106 C	-	102/102 R, 104/104 R, 106 R, 107/107 N, 108 R, 105/105 N*, 101/101 N* 109/109 N*	-	-	-	OV <sub>2</sub> 7, OV <sub>7</sub> 0, OV <sub>2</sub> 74, OV <sub>1</sub> 74	LC NO. 252	1 GF (10) N	-	D.A.L.	-	-	-	CO 1	-	CH 1, CH 2, CH 3, CH 4, CH 5	LOCKS S/CO/SH 65, 67, SH 7, 40, 31, 32, 42, 54(iii) CLEARS AFTER 60 SEC W 235T OCC. REPLACED TO 'ON' W 235T CLEARS.	
08	CO 1 (ii)	UP 'CALLING ON' FROM UP BRANCH LINE DN TO UP & DN PF LINE NO.1 UPTO SIG. S/CO/SH 11	S 1 + COGN	UP UM	1/37 U(R),S, 102 B, 104 B, 106 A	102 a, 105 A, 105 B, 106 C	-	102/102 R, 104/104 R, 106 N, 107/107 N, 108 N*, 105/105 N*, 101/101 N* 109/109 N*	-	-	-	OV <sub>2</sub> 7, OV <sub>7</sub> 0, OV <sub>2</sub> 74, OV <sub>1</sub> 74	LC NO. 252	1 GF (10) N	-	D.A.L.	-	-	-	-	-	CH 1, CH 2, CH 3, CH 4	LOCKS S/CO/SH 65, 67, SH 11, 40, 31, 32, 45(ii), 54(iii) CLEARS AFTER 60 SEC W 235T OCC. REPLACED TO 'ON' W 235T CLEARS.	

SELECTION TABLE (MAIN SIGNAL)

DRG. NO. WCR / BPL / ST-LT

SHEET 01

SHEETS 15

NOTE : 1. \* DENOTES ISOLATION POINT / TRACK CIRCUITS. (F) DENOTES FOULING TRACK CIRCUITS. (FL) DENOTES FLANK TRACK CIRCUITS  
2. 'CALLING ON' SIGNAL LOCKS HOME SIGNAL ABOVE & VICE VERSA.  
3. MAIN/CO SIG. LOCKS SHUNT SIG. ON THE SAME POST & IN THE ROUTE (4) SIGNALS LOCKED THROUGH DIRECTION RELAYS ARE NOT LISTED