

AT G.L.

KEY LOCK 'EB'	KEY LOCK 'B' CONTROLLED BY G-31	EKT 'A'	CONTROLLED BY G-31 EKT 'B'	EMERGENCY KEY	GATE OPEN BUTTON	GATE CLOSE BUTTON	GATE COMMON BUTTON	SLIDING KEY P1
EMERGENCY KEY (NON LOCK TYPE) ARMATURE REMOVED	KEY 'B' FROM BOOM LOCKING LEVER OR SLIDING BOOM	KEY 'B' TO COME OUT FROM EKT 'A' AFTER BOOM LOCKING AND CLOSING THE DETECTION CONTACTS	KEY 'B' TO COME FROM EKT 'A' OR SLIDING BOOM	(NON LOCK TYPE) ARMATURE REMOVED LOCK SEALED				(NON LOCK TYPE) ARMATURE REMOVED SEALED & LOCKED

1. KEY 'A' TO COME FROM GATE WINCH MACHINE TO RELEASE ARC LEVER (IN 'N' POSITION FOR BOOM LOCKING
2. KEY 'B' TO COME FROM ARC LEVER (IN 'R' POSITION) AFTER BOOM LOCKING AND TO BE INSERTED IN GATE KEY LOCK TO RELEASE THE SIG.

ROD FOR BOOM LOCKING

PANEL DETAIL

MAIN SIGNAL :-1,2,3,4,5,6,8,9, 10,11,12,13,14,15,17,18,20,21.
CALLING-ON SIGNAL :- C-1,C-18,C-20.
SHUNT SIGNAL :- 106,108,109,110,111,112,113,114,118,200,201,216, 103,104,105,115,117,203,205,208,209,210,202
POINTS :- 51,52,53,54,55,56,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72-57,73
CRANK HANDLE CONTROL BUTTONS:- CH-1,CH-2,CH-3,CH-4,CH-5,CH-6, CH-7,CH-8,CH9,CH10,CH11.
L-XING GATE CONTROL BUTTONS:- G-31.

AT PANEL ROOM

CH11	CH10	CH9	CH-8	CH-7	CH-6	CH-5	CH-4	CH-3	CH-2	CH-1
PT-72	PT-70,71-73	PT-67,69	PT-64,65,66,68	PT-63	PT-62	PT-60,61,57	PT-58,59	PT-55,56	PT-52	PT-51,53,54

CRANK HANDLE WELDED OR REVETTED WITH KEY.

ASPECT CONTROL CHART DN

ASPECT CONTROL CHART UP

NOTE

1. ABSOLUTE BLOCK SYSTEM OF WORKING WITH KOLE & KHALARI STATIONS.
2. DOUBLE LINE BLOCK INSTRUMENT (MSW/HWH MAKE) WORKING WITH STATION KOLE & STATION KHALARI SITUATED IN PANEL ROOM.
3. MAGNETO TELEPHONE PROVIDED BETWEEN SM'S OFFICE & GATE NO. 1B/T
4. CONTROL TELEPHONE PROVIDED IN SM'S OFFICE.
5. L.V. PROVING AXLE COUNTER PROVIDED WITH ADJACENT STATION KOLE & KHALARI ON BOTH SIDE. THESE SHOULD BE INTERLOCKED WITH BLOCK INSTT.
6. ALL ANGLES OF CROSSING ARE 1 IN 12 EXCEPT OTHERWISE INDICATED.
7. SLIDING BOOM PROVIDED AT LC GATE NO-21B/T AT KM 451/06.
8. ROAD SIGNAL SHALL DISPLAY RED ASPECT WHEN SLIDING BOOM IS USED TO CLOSED THE ROAD TRAFFIC.
9. PROVISION OF ELECTRIC LIFTING BARRIER AT ALREADY INTERLOCKED LIFTING GATE NO 2/B/T
10. PROVISION OF UFSBI BLOCK PANEL WITH HASSDAC DOUBLE LINE TYPE IN PLACE OF DOUBLE LINE BLOCK INSTRUMENT IN BETWEEN RAY-KHALARI STATION

SPECIAL INSTRUCTION / APPROVED SPECIAL INSTRUCTIONS

SL.NO:	INSTRUCTIONS	ISSUED BY	AUTHORITY	DATE	REMARKS

ALT	DESCRIPTION	REFERENCE	CHECKED BY
VIII	PROVISION OF DOUBLE LINE UFSBI BLOCK PANEL WITH HASSDAC IN PLACE OF DOUBLE LINE BLOCK INSTRUMENT IN BETWEEN RAY-KHALARI STATION.	VIDE SR.DSTE/DHN/LT.NO.SG.662/1/PT-VIII DT.13.07.2022	
VII	PROVISION OF ELECTRIC LIFTING BARRIER AT ALREADY INTERLOCKED LC GATE NO-21B/T AT KM-150/29-31 BETWEEN (RAY-KLRE)	VIDE DSTE/DHN/L NO. SG-662/1/PT-VIII DT-16.09.2021	
VI	PROVISION OF INTERLOCKED SLIDING BOOM IN ADDITION TO EXISTING LIFTING BARRIER AT LC GATE NO-21B/T AT KM 451/06	VIDE SR DSTE/DHN/L-NO SG 662/1/PT-VIII, DATED-02.05.14.	
V	i) CORRECTION IN CAL/CSL/ & CH OF FM & POINT AS PER EXISTING AT SITE. ii) STD OF INTERLOCKING CHANGED.	i) TO SUIT CE'S DRG NO-Y-76-2005 ALT-II ii) SR DSTE LETTER NO-SG-662/1/PT VIII DY-21.09.15	
IV	PROVISION OF SHUNTING NECK AT GARHWA ROAD END.	i) DY CSTE/W/ECR/DHN'S LETTER NO SG 662/1/CON/PT-VII DT 25.03.2010 ii) CE'S DRAWING NO. Y-76-2005 (ALT-I)	
III	COMPLETION DRAWING	DY CSTE/W/DHN'S LETTER NO. SG 662/1/CON/Pt VI DTD. 17.11.2009.	
II	PROVISION OF SHUNT SIGNALS 103,104,105,115,117,203,205,208,209,210.	i) DY CSTE/W/DHN'S LETTER NO. SG-662/153/CON/PT-I DT 16.03.2009 ii) SR DSTE/DHN'S LETTER NO. DI/PRE/PANEL/08 DT 21.03.2009	
I	i) NOMENCLATURE OF LINE NO.7 & 8 HAVE BEEN CONVERTED TO GOODS LINE. ii) TRACK CIRCUIT No. 15/11BT CORRECTED AS IST.	i) DY CSTE/W/DHN LETTER NO-SG-662/1/CON/PT-I DATED 17.11.08 ii) TO COMPLY CRS/EC/KKK VIDE LETTER NO-16/A/24/VII/08/1560T-2710-08	

E.C.R. DHN. DIV.	पू.म.रे. धनबाद मंडल	APPROVED	CHECKED				DRAWN
(S.K. NAYAK) CTPM f COM/ECR/HJP		(S.K. BISWAS) CSTE/PROJECT f CHIEF SIGNAL & TELECOM ENGINEER	DYCSTE/EC R/HJP	SSTE/D&D/HJP	ASTE/D&D/ECR/HJP	JE/SIG/ECR/HJP	JE/DRG/ECR/HJP

C.R.S.S. SANCTION NO. 16/A/24/2021/08/84/H.(S) DATED - 13-07-09
DATE OF COMMN 23-09-09

SCALE
LONGITUDINAL 1CM = 10 M
TRANSVERSE 1CM = 5 M

REF:- BASED ON E.C. RLY DRG No. CE'S DRG No. Y-76-2005.

SIGNALLING PLAN
PANEL INTERLOCKING
MACLS,'B' CLASS.STD-III(R)

रायु
RAY

CRS' SANC.
ECR/SIP/DHN 251/2007

SUPERSCEDES SIP NO. -ECR/SIP/DHN/251/2004(ALT-II)