PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

TO BRKA (77.0 KM)
NEXT CROSSING STN: PHUSRO (KM-4.25)
NORTH LINE
SOUTH LINE
N
UP ⟶ DN
C.OF BHANDARIDAH (BHME) STN. BUILDING
DN RAIL LEVEL PLATFORM (234.00X7.92M)
UP RAIL LEVEL PLATFORM (234.00X7.92M)
ASPECT CONTROL CHART (DN DIRECTION)
ASPECT CONTROL CHART (UP DIRECTION)
CRANK HANDLE FOR PT-51 & 52
CRANK HANDLE FOR PT-53 & 54
ALL CRANK HANDLE WELDED WITH KEY AT PANEL ROOM
AT GATE LODGE NO.-9A/C/T
AT GL- 9A/CT
DEAD END CH:1022.0M
NORTH LINE
SOUTH LINE
TO GOMOH (KM-24.0)
NEXT STN: CHANDRAPURA (KM-6.64)
TO MURI
NEXT STN.: RAJABERA (KM-2.6)
1000.0M(MIN.)
1400.0M(MIN.)

PANEL DETAILS:-

MAIN SIGNAL BUTTONS	1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,17,18,19,20,22
CALLING - ON SIGNAL BUTTONS	C-1,C-3,C-13,C-18,C-20
POINT BUTTONS	51,52,53,54,55,56,57,58,59,60,61,62,63,64
CRANK HANDEL CONTROL BUTTONS	CH-1,CH-2,CH-3,CH-4,CH-5,CH-6,CH-7,CH-8,CH-9
SHUNT SIGNAL BUTTONS	105,106,107,108,109,110,111,112,115,122,201,202,203,204,205,207
GATE CONTROL BUTTONS	G-31

NOTE :-

1. ABSOLUTE BLOCK SYSTEM OF WORKING WITH PHUSRO , RAJABERA AND CHANDRAPURA STN.
2. DIADO(F.M) TYPE BLOCK SYSTEM WORKING WITH CHANDRAPURA NORTH LINE & SOUTH LINE
3. DIADO (F.M) TYPE BLOCK INSTRUMENT PROVIDED TOWARDS RAJABERA AND PHUSRO (NORTH & SOUTH LINE) SITUATED AT PANEL ROOM.
4. ALL ANGLE OF CROSSING ARE 1 IN 12 EXCEPT AS MENTIONED.
5. CONTROL TELEPHONE PROVIDED AT PANEL ROOM.
6. AXLE COUNTER PROVIDED FOR LAST VEHICLE VERIFICATION & INTERLOCKED WITH BLOCK INSTRUMENT.
7. T-CCT. NO 1T & 4T ,17T & 20T,18T&19T, 2T&3T AND 13T& 14T ARE STAGERED BY 1.82 M.
8. THIS SIP HAS BEEN MADE IN CONNECTION WITH DOUBLING (TSL) FROM CHANDRAPURA TO BHANDARIDAH AND CHANDRAPURA TO RAJABERA STN.
9. LED SIGNAL LAMPS TO BE USED .
10. DEAD APPROACH LOCK AT LC GATE NO 9A/C/T WITH 60 SEC TIME DELAY , VIDE RB LT NO. 2000/SAFETY(A&R)/19/39/Pt - II, DT . 10.06.2014
11. MAGNETO TELEPHONE PROVIDED BETWEEN PANEL ROOM AND L.C. GATE NO.-9A/C/T ~~& 10/SPL/E~~ ⑤
12. INTERLOCKING SLIDING BOOM LOCK ARRANGEMENT PROVIDED AT L.C. GATE NO.- 9A/C/T ALT-②
13. 60 Sec. TIME DELAY PROVIDED FOR LOWERING OF ALL ~~RECEPTION, CALLING-ON-SIGNALS.~~ ③ CALLING ON RECEPTION SIGNALS.
③ 14. AXEL COUNTER PROVIDED IN LINE NO-05 IN LIEU OF TRACK CIRCUIT.
⑥ 15. PROVISION OF ELECTRIC LIFTING BARRIER AT ALREADY INTERLOCKED L-XING GATE NO- 9A/C/T
16. ROAD SIDE SIGNAL SHALL BE DISPLAY TO DANGER BEFORE MOVING OF SLIDING BOOM BARRIER TO CLOSE THE LC GATE.

AT GATE LODGE NO.-9A/C/T

SLIDING KEY R-1	EMERGNCY KEY	EKT'A'
(NON LOCK TYPE) ARMATURE REMOVED	NON LOCK TYPE (ARMATURE REMOVED) SEALED & LOCKED	KEY 'A' TO COME OUT FROM EKT'A' AFTER BOOM LOCKING AND CLOSING THE DETECTION CONTACTS

1. KEY 'A' TO C… WINCH MACHINE TO RELEASE ARC LEVER (IN 'N' POSITION) FOR BOOM UNLOCKING
2. KEY 'B' TO C… (IN 'R' POSIT… LOCKING AN… GATE KEY L…

SPECIAL INSTRUCTION / APPROVED SPECIAL INSTRUCTION

SL.NO.	INSTRUCTION	ISSUED BY	AUTHORITY	REMARKS
1.	UNDER THE PROVISION OF GR.PARA 3.40(1)(b). ADEQUATE DISTANCE 120M HAS BEEN RECKONED FROM THE STARTER FOR THE FOLLOWING SIGNALS a. SIG NO.- 9 FOR COMMON LOOP LINE NO.-1 FOR RECEPTION OF UP TRAIN TOWARDS SAND HUMP SIG NO.- 10 UP TO D/S -64 WITH POINT-64 NORMAL FOR RECEPTION OF DN TRAIN FOR COMMON LOOP LINE NO.-4 SIG NO.- 22 UP TO D/S 64 WITH POINT 64 NORMAL FOR RECEPTION OF DN TRAIN FOR COMMON LOOP LINE NO.-5	C.R.S ALT ③		DISPENSATION TO BE - OBTAINED ALT-③

ALT	DESCRIPTION	REFRENCE	CHECKED BY				COUNTER SIGNED BY		APPROVED BY	CRS SANCTION NO. & DATE
			SSE/S/	ASTE/ D&D	SSTE/ D&D	DY.CSTE/D&D	CSTE/C/S/MHX	f COM/HJP	f CSTE/HJP	
①	CHANGE OF PANEL INTERLOCKING TO ELECTRONICS INTERLOCKING.	CSTE/C/S. NOTE ON L.NO- ECR/ S&T/DRG.CRPC/ CON. DT-21-05-2015	JE/D			22.5.15	22/5/15		22/5/15 CSTE/PLG/HJP	
②	COMPLIANCE OF CRS'S OBSERVATION RECV. VIDE LETTER No. 16/A/27/VIII/15/187/H DATED- 01.10.15	To. SUIT, ESP No. CE'S DRG No. Y-23-2012 (ALT-2)	JE/D	09.10.15	9/X/15	9.10.15			09/X/15 RAMBECHAN CSTE/PLG/HJP f. CSTE/ECR	
③	PROVISION OF AXLE COUNTER IN LINE NO-05 OF BHME IN LIEU OF TRACK CIRCUIT.	VIDE DY.CSTE/ CON/SOUTH/LND -ECR/S&T/ CON/ DRAWING/DHN DT-10.12.2015	SSE/S JE/D	14/12/15	15/12/15	15.12.15		16/12/15	(JAGMOHAN RAM) CSTE/PLG/ECR/HJP f. CSTE/ECR HJP	
⑤	COMPLETION DRAWING MADE (UP TO ALT-III)		SSE/C/MHX SSE/D/MHX	(NEHAL ……) DSTE/C/MHX	(GAUTAM GUPTA) DSTE/C/MHX	15/03/17 (B.K. SINGH) DY.CSTE/C/S/MHX			(RAJESH KUMAR) CSTE/C/S/MHX f CSTE/ECR/HJP	NO-16/A/72/IV/15/241/H a 30.10.15
⑤	PROVISION OF INTERLOCKING OF L-XING GATE NO-10/SPL/E AT KM-26/15-17 (FROM GMO) IN BETWEEN BHANDARIDRH-PHUSRO AND MAGNETO TELEPHONE CONNECTION SHIFTED FROM SM/BHANDARIDAH TO SM/PHUSR.	(I) DSTE/DHN LT. NO- SG.662/1/PT-VIII DT-09.09.2021 (II) CE'S DRG NO- 106-2007 ALT-4 (III) ESP NO-D-22-2015, ALT-1	SSE/D 9.9.21 ESM/HTP	9.9.21 SSE/S	09.09.21 ASTE/PLG-II	09.09.21 ASTE/D&D	9/9/21 DY.CSTE/WBD/HTP	13/09/21 PCOM/ECR	(RISHI GUPTA) CSTE/PLG/ECR	
⑥	PROVISION OF ELECTRICAL LIFTING BARRIER AT ALREADY INTERLOCKED L-XING No 9 A/C/T AT KM: 23/5-7.	SR DSTE/DHN LT. No SG.662/1/ PT-VIII, DATED:- 17.02.2022	SSE/D ESM/D	24.03.22 SSE/S	24.3.22 ASTE/PLG	24.3.22 ASTE/D&D	24/3/22 DY.CSTE/KSP	PCOM/ECR	24.3.22 (RISHI GUPTA) CSTE/PLG/HJP	

AUTHORITY OF WORK :- PB ITEM NO-48 OF 2009-10
THIS SIP SUPERCEEDED PREVIOUS SIP NO.-ECR/SIP/DHN/270/ALT-IV

पूर्व मध्य रेल धनबाद मंडल EAST CENTRAL RAILWAY DHANBAD DIVISION	APPROVED BY	COUNTER SIGNED BY		CHECKED BY							C.R.S. SANCTION NO.	SCALE		
	RAM BECHAN CSTE/PLG/HJP FOR CSTE/ECR/HJP	(NEERAJ AMBASTHA) CTPM/ECR/HJP FOR COM / ECR / HJP	(P.S.RAI) CSTE / C/ S/ MHX	(B. N. LAL) SR. DOM /PLG/DHN	(A. SINGH) SR. DSTE/DHN	16/4/15 (SATENDRA KUMAR) DY.CSTE/C/N/MHX	23.04.2015 (B.K. SINGH) DY CSTE/C-1/DNR	16.4.15 (S.M.S. HASHMI) SSTE/C/MHX	(S.KUMARI) SSE/SIG/MHX	15.4.15 (O.P.GOND) JE/D/C/MHX	16/A/72/IV/15/241/H(S) DATE :- 30.10.2015 COMPLETED ON:- 03.01.16	LONGITUDINAL : 1CM = 10M TRANSVERSE : 1CM = 5 M BASED ON - CE'S DRG. NO. Y 23-2012 ALT-1 ②	ELECTRONICS INTERLOCKING PLAN ② ~~CENTRAL PANEL SIGNAL INTERLOCKING PLAN~~ MACLS, CLASS-B,STD-II®	भंडारीदह BHANDARIDAH

SIGNAL… PLAN NO… ECR/SI… DHN/270…

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