ESUB 21D

ALT.	DESCRIPTION	REFERENCE	CHECKED	APPROVED	CRS SANCTION No.
I	AXLE COUNTER FOR LAST VEHICLE VERIFICATION PROVIDED AND INTERLOCKED WITH BLOCK INSTRUMENT BETWEEN PARSA-BAZAR - PUNPUN SECTION.		JE/C/C, ASTE/C, DSTE/C	DY.CSTE (W)/C MHX, CSTE/C/MHX, COM, CSTE/HJP	
II	i) PROVISION OF BPAC IN BETWEEN PARSABAZAR - PATNA IN UP & DN DIRECTION AND INTERLOCKED WITH DLBI ii) NAME OF RLY., DRG. NO. & STD. OF INTERLOCKING CHANGED.	DY CSTE/W/MOS L.NO SG/W/MGS/DRG, DT. 25.5.11.	SSE/DRG	DY.CSTE/W/D/MOS, CSTE/CONST/MHX, COM/ECR/HJP, APPROVED COMP.	
III	PROVISION OF RUN THROUGH VIA LOOP LINES.	SR. DSTE (CO-ORD)/DNR. L.NO- SG/DRG/DNR. DT- 18.03.2015	JE/S		
IV	PROVISION OF TRACK CIRCUIT IN PARALLEL TO UNIVERSAL AXLE COUNTER IN DN MAIN LINE & DN LOOP LINE ON BEARTHING PORTION.	SR. DSTE (CO-ORD)/DNR, L.NO SG/DRG/DNR, DT- 15/8/2015	JE/D, SSE/S, SSTE/D&D	DY.CSTE/D&D, F.COM/ECR, CSTE/PLG/ECR (RAM BECHAN)	
V	PROVISION OF UFSBI BLOCK PANEL WITH SSDAC WORKING BETWEEN PARSABAZAR - PUNPUN.	I) DY. CSTE/W/DNR, L.NO. DY.CSTE/W/DNR/HQ, DT-13/8/15. II) PB ITEM NO: 542.	JE/D, SSE/S, ASTE/D&D, SSTE/W&D	DY.CSTE/D&D, F.COM/ECR, CSTE/PLG (JAGMOHAN RAM)	- COMP. 20/03/2016
VI	COMPLETION DRAWING MADE FOR ALT- V (NO CHANGE)	I) DY. CSTE/W/DNR, L.NO:- DY. CSTE/W/DNR/HQ DT 20.02.2017.	JE/D, SSE/S, ASTE/D&D, SSTE/W&D	DY.CSTE/D&D, F.COM/ECR, CSTE/PLG/HJP (JAGMOHAN RAM)	CSTE SANC'S NO: ECR/CSTE/203A/298/2016 DT: 18/03/2016
VII	PROVISION OF UFSBI BLOCK PANEL WITH BPAC (HASSDAC) BETWEEN PARSABAZAR - PATNA JN.	I) DY. CSTE/W/DNR, L.NO: DY. CSTE/W/DNR/HQ. DT: 17.07.2017 II) PB ITEM NO: 720	JE/D, SSE/S, ASTE/D&D, SSTE/D&D	DY.CSTE/W&D, F.COM/ECR, CSTE/PLG/HJP (S.L. PRASAD)	
VIII	I) PROVISION OF ELECTRIC LIFTING BARRIER AT LC. GATE NO- 7C' AT KM: 6/7-8 II) L-XING DETAILS ON EITHER SIDE OF STATION MENTIONED.	SR DSTE (CO-ORD)/DNR, LT. NO- SG/DRG/DNR, DT- 19.1.2018	JE/D, SSE/S, ASTE/D&D, SSTE/D&D	DY.CSTE/W&D, F.COM/ECR, CCE/ECR/HJP, PCSTE/ECR/HJP (RAKESH RANJAN)	
IX	COMPLETION DRAWING MADE: NO CHANGE FOR ALT-VII, IN CONNECTION WITH PROVISION OF UFSBI BLOCK PANEL BETWEEN PARSA BAZAR - PATNA JN.	DY. CSTE/W/HJP, L.NO: SG/W/DNR/HQ, DT: 12/09/2019	SSE/S, SSE/D, ASTE/D&D, SSTE/D&D	DY.CSTE/D&D, F.COM/ECR	PCSTE SANC NO: ECR/CSTE/203A/2019 DT: 23/12/19

SCALE	
LONGITUDINAL, 1cm = 12m	PANEL SIGNALLING PLAN 'B' CLASS STD-III
TRANSVERSE, 1cm = 4.8m	

PARSABAZAR
परसाबाजार

DRAWING NO. ~~RE/DNR/SI-1/02~~ ECR/SIP/DNR/288/2011

APPROVED	CHECKED			DRAWN	APPROVED BY DRM/DNR (SRT) L. NO. DATE.	C.R.S's SANCTION NO. DATE.
C.S.T.E. (PLG)/E.RLY/FP	DY. C.STE/RE/DNR	SSTE/RE/DNR	ASTE/RE/DNR	SE(SIG)/RE/DNR	SE(DRG)/RE/DNR	
COMP.						

TO SUIT C.E.'s DRG. NO. Y-169-97 (ALT. IV)

E.R. ECR

L-XING DETAILS BETWEEN PNBE - PRBZ

S.NO	L.C.NO	CLASS	M/UM	KM	BLOCK SECTION	TELEPHONE CONNECTION
1	4	SPL	M	2/25-27	PNBE - PRBZ	YES

NOTE

1. ABSOLUTE BLOCK SYSTEM OF WORKING WITH PATNA & PUNPUN.
2. ~~DOUBLE LINE BLOCK INSTRUMENT 'SW-HWH' TYPE CONNECTED WITH PATNA & PUNPUN, LOCATED AT S. M's OFFICE.~~
3. CONTROLLED TELEPHONE PROVIDED AT PANEL ROOM, AND MAGNETO TELEPHONE PROVIDED BETWEEN PANEL ROOM & L.X'ING NO. 7/C & 8/C
4. TROLLY PROTECTION TRACK CIRCUIT JUST AFTER THE SIGNAL WILL BE USED FOR SIGNAL REPLACEMENT.
5. ~~IN TERMS OF RLY. BOARD LETTER NO. 2002/SIG/P-1/1. DT. 9.7.02 BLOCK PROVING BY AXLE COUNTER SHALL BE PROVIDED IN PHASE II, SUBJECT TO CONDITION THAT THE WORK IS SANCTIONED BY RLY. BOARD.~~
6. ANGLE OF CROSSING INDICATED
7. DEAD APPROCH LOCKING IS PROVIDED
8. LED LIT LAMP PROVIDED FOR ALL SIGNALS.
9. ALT-I ~~AXLE COUNTER FOR LAST VEHICLE VERIFICATION PROVIDED & INTERLOCKED WITH BLOCK INSTT. BETWEEN PRBZ-PPN IN UP & DN DIRECTION.~~
10. (a) ~~PROVISION OF BPAC IN BETWEEN PARSABAZAR - PATNA IN UP & DN DIRECTION AND INTERLOCKED WITH DLBI.~~
(b) BLOCK PROVING AXLE COUNTER WITH UP & DN LINE IN BOTH SIDE COMMISSIONED.
HENCE NOTE NO-5 IS CANCELLED.
11. UFSBI BLOCK PANEL WITH SSDAC WORKING BETWEEN PARSABAZAR - PUNPUN
12. SYMBOL OF UFSBI & DLBI, SSDAC & AXLE COUNTER IS UNIFORM, SO NO CHANGE MADE IN SYMBOL OF S-2, 2T, 1T1.
13. UFSBI BLOCK PANEL WITH BPAC (HASSDAC) PROVIDED BETWEEN PARSABAZAR - PATNA JN.
14. ELECTRIC LIFTING BARRIER PROVIDED AT L.C GATE NO. 7 'C'.
15. SLIDING BOOM PROVIDED AT LC GATE NO: 7C'
16. ROAD SIG. SHALL DISPLAY RED ASPECT AT LC GATE NO: 7C' WHEN SLIDING BOOM IS USED TO CLOSE THE ROAD TRAFFIC.

ASPECT CONTROL CHART

DN.→ DN.DIST	1A/1B/1C	9	11	2	4	10A/10B	←UP UP DIST D-10
G	G	G	G	G	G	G	G
YY	Y	YWU			Y	Y	YY
	R	R			R	YWU	

PATNA JN.
(Km. G-21)
DOWN LINE
UP LINE
UP DIST. D-10
1.4 Km
1 Km
180 m
120 m
10A 10B C-10
11
10T
23AT
23AT1
23BT
23A 23B
22BT
22A/23BT
21B 21A
21AT
21BT
NORTH CABIN (EXISTING)
20B 20A
20BT
20AT
C.S.R. 120m
5
3
9
LONG. 305m
H. L. PLATFORM
DN. LOOP
DN. MAIN
UP MAIN
COMMON LINE
LINE NO. 4
LINE NO. 3
LINE NO. 2
LINE NO. 1
DN L AXC
CLT2
CLT3
10T2
10T3
PANEL S/B
℄ OF STATION BUILDING (Km. 549-76 FROM HWH)
C.S.R. 686m
C.S.R. 658m
265-792m FROM S/B.
400
40m
SOUTH CABIN (EXISTING)
KEY 'B' WILL GO TO G.L. EKT
SLIDING KEY 'R1' TO COME FROM G.L.
LOCKED BY-16 & CONTROLLED BY BUTTON NO. 15
(KEY LOCK AT CABIN) (CONTROLLED THROUGH PANEL)
G-15
LEVEL X'ING NO. 7/C 'C' CLASS AT Km. 6/7-8
6
4
19A 19B 19BT
18A 18B 18BT 18AT
17A 17B 17BT 17T
16A 16B 16B/17AT 16AT 16T
C.S.R. 120m
EK1 EK2
ALT-I
1A 1B 1C C1
1T 01T 2T
2
LEVEL X'ING NO. 8/C 'C' CLASS AT Km. 7/4-5
DN. DIST D-1
GAYA (PUNPUN- Km. G-21)

L-XING DETAILS BETWEEN PRBZ - PPN

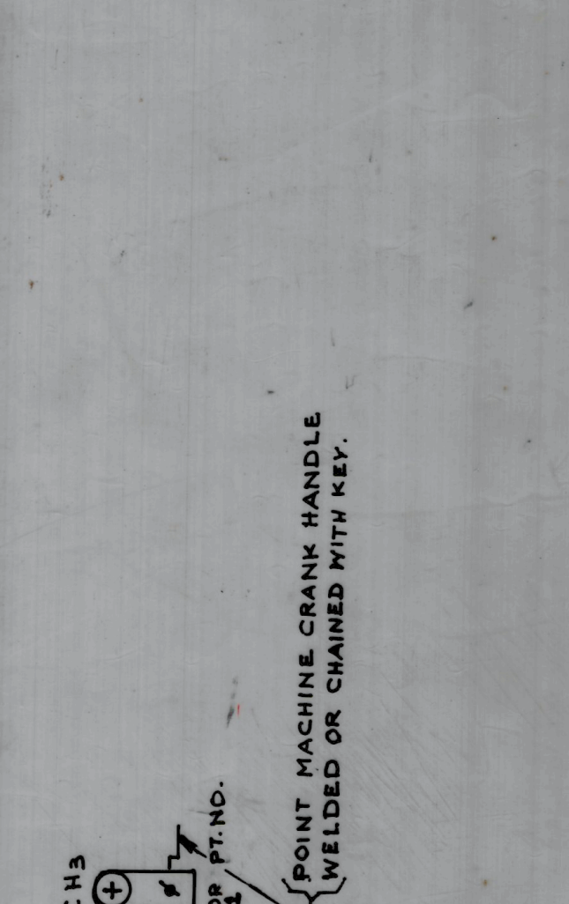
S.NO	LC NO	CLASS	M/UM	KM	BLOCK SECTION	TELEPHONE CONNECTION
1	8	C	M	7/07-09	PRBZ - PPN	YES
2	11	C	M	10/29-11/01	PRBZ - PPN	YES
3	11A	C	M	11/27-29	PRBZ - PPN	YES
4	12	C	M	12/23-25	PRBZ - PPN	YES

AT SOUTH CABIN (LC NO: 7C')

EKT-'A'	CONTROLLED BY G-15 EKT 'B'	EMERGENCY KEY	ELB GATE PANEL	SLIDING KEY 'R1'
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 (SEALED)	GATE OPEN ~~SWITCH~~ BUTTON / GATE CLOSE ~~SWITCH~~ BUTTON / GATE COMMON EMERGENCY BUTTON	(NON LOCK TYPE) ARMATURE REMOVED (SEALED)

PANEL IN S.M's OFFICE

MAIN SIG. BUTTON :- 1, 2, 3, 4, 5, 6, 9, 10.
CALLING ON SIG. BUTTON :- C-1, C-10
POINT BUTTON :- 16, 17, 18, 19, 20, 21, 22, 23
GATE CONTROL BUTTON :- 15
CRANK HANDLE BUTTON :- CH-1, CH-2, CH-3, CH-4, CH-5



CH1
CH2
CH3
CH4
CH5
FOR PT. NO. 16.18
FOR PT. NO. 17.19
FOR PT. NO. 22
FOR PT. NO. 20.22
FOR PT. NO. 23
POINT MACHINE CRANK HANDLE WELDED OR CHAINED WITH KEY.

DETECTION TABLE

SIG.NO	NORMAL	REVERSED
1A	16.17.19	
1B	16.17	19
1C	17	16.18.
C1	16.17.19	16.18.19.
3	22.23	21
4	19.17.18	
5	23	20.22
6	16.17	18
9	21.22.23	
10A	20.22.23	
10B	22.23	20
C-10	20.22.23	20

ALT.	DESCRIPTION	REFRENCE	CHECKED			APPROVED	CRS SANC/COMP.
⊗	PROVISION OF INTERLOCKED SLIDING BOOM IN ADDITION TO EXISTING LIFTING BARRIER AT LC GATE NO: 7C'	SR.DSTE/DNR, L.NO: SG/DRG/DNR, DT: 09/09/2020	SSE/S	ASTE/D&D	DY.CSTE/D&D	(RISHI GUPTA) PCSTE/ECR/HJP 28.10.20	CRS SANC IN LBT

Parsabazar