SPECIAL INSTRUCTION / APPROVED SPECIAL INSTRUCTION

SL.NO.	INSTRUCTION	ISSUED BY	AUTHORITY	REMARKS
①	UNDER THE PROVISION OF GR 3.07(7). (i) DN GATE SIGNAL OF LC NO 92'B1' (SW-2) COMBINED WITH DN IBS DISTANT.	~~COM/ECR/ HJP~~	CRS	~~TO BE OBTAINED~~ TO BE OBTAINED

Signature Block

CCE/HJP	24/02/2021
CTPM/ECR	24/2/21
Sr.DOM/DNR.	* Remarks 150221.
Sr.DSTE/DNR.	Rajesh 02.02.21
DY.CSTE/W&D/HJP	23/02/2021
DSTE/DNR.	23/02/21
ASTE/D&D/HJP	
SSE/SIG./HJP	17.2.21.
SSE/DRG./HJP	16.02.2021

* Remarks
Spl provision is required for such IBP placed at 400mts. My remarks at paper plan be corrected. St XY Bd is agreed to, SR needs correction.
150221

SW-① GATE CONTROL
SW-② DN. IBS SIGNAL
SW-③ UP. IBS SIGNAL
SW-④ SPARE
AT GATE LODGE (LC NO. 97'B1')
EKT 'A'
KEY 'B' TO COME OUT FROM EKT 'A' AFTER BOOM LOCKING AND CLOSING THE DETECTION CONTACTS
CONTROLLED BY SW-① EKT 'B'
KEY 'B' TO COME FROM EKT 'A' OR SLIDING BOOM
EMERGENCY KEY (NON LOCK TYPE) ARMATURE REMOVED
GATE OPEN BUTTON
GATE CLOSED BUTTON
GATE EMERGENCY SWITCH
DELHI
SAKALDIHA-13.60Km.
DN. MAIN
UP. MAIN
DN. IBS DIST
DN IBS INN. DIST
XY → IBS SIGNAL PROTECTING LC GATE
TELEPHONE
NO BACKING BEYOND THIS LIMIT
KEY 'B' GOES TO GATE LODGE EKT
LEVEL 'X'-ING NO.-97 CLASS B1 (MANNED) KM.-730/27-29 CH:-79.20m
℄ OF TULSI ASHRAM KM-730.73 FROM HWH
R.L PLATFORM (298.15m x 5.67m)
R.L PLATFORM (298.15m x 6.9m)
UP IBS INN. DIST.
UP IBS DIST.
AB → LOOK OUT FOR LC GATE WHEN PASSING IB SIG AT ON. VIDE IRSEM PARA NO: 7.37(b) AND GR & SR PARA NO: ITEM-13 (5)(i) & (ii)
AT L.C. No.-97 'B1' A
UP ASPECT CONTROL CHART
DN ASPECT CONTROL CHART
D2-12 DN. DIST.
D1-12 DN. INN. DIST.
UPTO KM: 736.53 UPTO CH: 5800.0M
KM: 733.60 CH: 2870.0M (FROM TLMA)
KM: 732.27 CH: 1540.00M (FROM TLMA)
KM: 730.40 CH: 330.00M (FROM TLMA)
KM: 727.47 CH: 3260.00M FROM TLMA
FROM KM: 725.60 FROM CH: 5130.00M
KM: 726.13 CH: 4600.00M (FROM TLMA)
UPTO KM: 726.13 UPTO CH: 2700.00M
FROM KM: 720.210 FROM CH: 3220.00M
KM: 725.60 CH: 2170.00M (FROM DHEENA)
BR. NO.-411
UP
DN
N
℄ STATION. BUILDING Km.- 723.43.(FROM HWH)
S.B.
LOW LEVEL DN PLATFORM 352.80M
LOW LEVEL UP PLATFORM 354.07M
ENGG. SIDING
HOT AXLE SIDING. CSR=55.00m.
DN LOOP LINE
DN MAIN LINE
UP. MAIN LINE
UP. LOOP LINE
CSR=685.80m.
CAL=747.60m.
P-71
P-72
LOCKED BY G-31 (BOOM LOCKING PROVIDED)
LEVEL 'X'-ING NO.-94B (MANNED) KM.-722/31-723/00 CH.-424.80m
AT GATE LODGE (LC NO. 94'B')
CONTROLLED BY G-31 EKT 'B'
INTERLOCKED L.C NO.-92 'B1' (M) AT KM-718/3-5
CONNECTED WITH DHEENA
CONTROLLED BY SW-1
SLIDING KEY R1 TO COME FROM G.L EKT
℄ OF BAHORA CHANDIL STN. BLDG(BHCL) KM-715.96 (FROM HWH) CH:00.000M
R.L DN PLATFORM (303.40m x 4.0m)
R.L UP PLATFORM (303.40m x 4.0m)
ASPECT CONTROL CHART OF BHCL
AT LC GATE NO- 92'B1'
SLIDING KEY R1
NON LOCK TYPE (ARMATURE REMOVED) SEALED
GATE OPERATING PANEL
GATE OPEN BUTTON
GATE CLOSE BUTTON
GATE EMERGENCY BUTTON
HOWRAH
(ZAMANIA - 12.43Km.)

SIGNAL SPECIFIC NOTES - II

7. INTERLOCKED LC GATE DETAILS:

SL.NO.	LC NO.	CLASS	KM.	M/UM	TELEPHONE CONNETION WITH	TVU	INTERLOCKED NON-INTERLOCKED
1.	94	SPL ~~B1~~	722/31-723/00	M	DHN	112164/MARCH 2019	INTERLOCKED

8. COMMUNICATIION DETAILS:-
TELEPHONE COMMUNICATION IS PROVIDED BETWEEN PANEL ROOM AND LC NO 94'SPL ~~B~~' & 92'B1 ~~C~~', IBS TULSIASHRAM AND IBP BAHORA CHANDIL

9. DETAILS OF SIGNAL ROUTES HAVING ALTERNATE OVERLAPS:-

SIGNAL NO.	LEADING TO	DETAILS OF OVERLAP
S-1	S-3	UP TO S-11
S-1	S-5	UP TO S-11
S-12	S-4	UP TO S-2
S-12	S-6	UP TO S-2

10. 60 SEC. TIME DELAY PROVIDED FOR C-1 & C-12.
11. ALL ANGLE OF CROSSING ARE 1 IN 12 EXCEPT AS MENTIONED.
12. SIGNAL OVERLAP 120.0m & BLOCK OVERLAP 180.0m IS TAKEN.
13. L.C. GATE No.-94'SPL ~~B~~' & 92'B1' IS SITUATED AT Km.-723/1-2 AND IS ELECTRICALLY OPERATED LIFTING BARRIER.
14. CONTROL TELEPHONE PROVIDED AT PANEL ROOM.
15. DEAD APPROACH LOCKING PROVIDED FOR INTERLOCKED GATE OF BLOCK SECTION WITH 60 SEC. TIME DELAY.
16. PANEL DETAILS :-
MAIN SIGNAL BUTTON:- 1, 2, 3, 4, 5, 6, 11, 12, 21, 22.
CALLING-ON SIGNAL BUTTON:- C-1, C-12.
POINT BUTTON:- 51, 52, 53, 54, 55.
SIDING POINT BUTTON:- P-71, P-72.
GATE CONTROL BUTTON:- G-31
CRANK HANDLE CONTROL BUTTON:- CH-1, CH-2, CH-3, CH-4, CH-5.

17. DETAIL'S OF L-XING IN BLOCK SECTION (DHA-ZNA)

SL.NO.	LC NO.	CLASS	KM.	M/UM	TELEPHONE CONNETION WITH	TVU	INTERLOCKED NON-INTERLOCKED
1.	90	A ~~C~~	713/18-20	M	ZNA	45246 (02/2021) ~~84721/MAY 2019~~	NON-INTERLOCKED
2.	92	B1 ~~C~~	718/3-5	M	DHA	24400 (02/2021) ~~36892/JUN 2019~~	~~NON-INTERLOCKED~~
3.	94	~~B1~~ SPL	722/31-723/00	M	DHA	112164/MAR 2019	INTERLOCKED

18. DETAIL'S OF L-XING IN BLOCK SECTION (DHA-SLD).

SL.NO.	LC NO.	CLASS	KM.	M/UM	TELEPHONE CONNETION WITH	TVU	INTERLOCKED NON-INTERLOCKED
1.	97	~~B1~~ A	730/27-29	M	SLD	38355/02-2021 ~~43305/MAR 2019~~	INTERLOCKED
2.	101	~~B~~ SPL	737/11-13	M	SLD	53148/APR 2019	INTERLOCKED
3.	98	~~C~~ A	732/27-29	M	SLD	31359/02-2021 ~~33626/JUN 2019~~	NON-INTERLOCKED

19. SLIDING BOOM PROVIDED AT LC GATE NO: 92'B1'
20. ROAD SIG. SHALL DISPLAY RED ASPECT AT LC GATE No: 92'B1' & 97'A' WHEN SLIDING BOOM IS USED TO CLOSED THE ROAD TRAFFIC.
21. GLUE JOINTS SHOWN ON UP & DN LINE NEAR LC GATE 97'A', ITS DISTANCE SHOULD BE 30M FROM THE SAID LC GATE

SIGNAL SPECIFIC NOTES - I

1. NUMBER GRID:

FUNCTIONS	LOCATION or DIRECTION	RANGE	SPARES
SIGNAL	RIGHT TO LEFT	(01-29) ODD NUMBER	7,9,(13 TO 19),(23TO29)
	LEFT TO RIGHT	(02-30) EVEN NUMBER	8,10,(14 TO 20),(24TO30)
SHUNT SIGNAL	RIGHT TO LEFT	(201-259) ODD NUMBER	
SHUNT SIGNAL	LEFT TO RIGHT	(202-260) EVEN NUMBER	
DEAD SHUNT SIG.	RIGHT TO LEFT	NIL	
DEAD SHUNT SIG.	LEFT TO RIGHT	NIL	
POINTS	RIGHT HALF	51, 52, 53.	
	LEFT HALF	54, 55.	
SIDING POINTS	RIGHT HALF	P-71	
	LEFT HALF	P-72	
LC GATE	RIGHT HALF	G-31	
	LEFT HALF	—	

2. BLOCK WORKING:

SECTION	TYPE OF BLOCK WORKING	BLOCK INSTRUMENT TYPE	BPAC	REMARKS IF ANY
DHA-SLD	ABSOLUTE BLOCK	UFSBI-DL	HASSDAC	LOCATED AT SM ROOM
DHA-ZNA	ABSOLUTE BLOCK	UFSBI-DL	HASSDAC	LOCATED AT SM ROOM

3. DETAILS OF TRACK CIRCUITS:

TRACK CIRCUIT NOS.	TYPE OF TRACK CIRCUITS	REMARKS IF ANY
OG1T, 1T, 1T1, 2T, 02T, 51AT, 51BT, 52T, 4/6T, 06T, 04T, 03T1, 05T1, 06T1, 04T1, 03T, 05T, 55T, 3/5T, 12T1, 12T, 011T, 11T, OC-12T.	DC SINGLE RAIL TRACK CIRCUIT	

4. DETAILS OF AXLE COUNTERS:

AXLE COUNTER SECTION	TYPE OF AXLE COUNTER	TYPE OF RESETTING	LOCATION OF RESETTING BOX	LOCATION OF CO OPERATION PLUNGER/LV BOX
SECTION DHA-SLD (UP)	HASSDAC	PREPARATORY	AT STATION DHA.	AT STATION SLD.
SECTION SLD-DHA (DN)	HASSDAC	PREPARATORY	AT STATION SLD.	AT STATION DHA.
SECTION ZNA-DHA (UP)	HASSDAC	PREPARATORY	AT STATION ZNA.	AT STATION DHA.
SECTION DHA-ZNA (DN)	HASSDAC	PREPARATORY	AT STATION DHA.	AT STATION ZNA.

5. DETAILS OF MOTOR OPERATED POINTS WITH CRANK HANDLE GROUPING:

GROUP	POINTS	TYPE OF POINT MACHINE	CH EKT KEPT AT
CH1	PT.-51	IRS	PANEL ROOM
CH2	PT.-52	IRS	PANEL ROOM
CH3	PT.-53	IRS	PANEL ROOM
CH4	PT.-54	IRS	PANEL ROOM
CH5	PT.-55	IRS	PANEL ROOM

6. DETAILS OF SIDING POINTS:-
PT.-71, PT.-72.

SIDING POINT DETECTION TABLE(Elec):

SIDING POINTS NO.	DETECTS POINT NORMAL/REVERSE	PROVIDED IN SIGNAL NO.	LEADING TO
PT.-71 (ENGG. SIDING)	NORMAL	12 OR 6	6 OR 2
PT.-72 (HOT AXLE SIDING)	NORMAL	1 OR 5	5 OR 11

GENERAL NOTES

1. THIS PLAN IS BASED ON SIGNAL INTERLOCKING PLAN NO :ECR/SIP/DNR/072/2008 ALT.-XII
2. THIS PLAN IS BASED ON ENGINEERING SCALE PLACE (ESP) NO: CE'S DRG. NO.- Y-39-2008 (FOR IBS)& Y-09-2006)
3. THIS PLAN SUPERSEDES SIP/SSP NO: . ECR/SIP/DNR/072/2008 ALT.-XII IN CONNECTION WITH INTERLOCKING OF L.C. GATE-97 ~~'B1'~~ 'A' Ⓐ
4. THIS SITE SURVEY IS CARRIED OUT TO CORRELATE THE BASE RECORD. THE BASE RECORDS. THE SURVEY REMARKS ARE RECORDED IN..
5. THIS STATION IS LOCATED IN 25 KV AC ELECTRIFIED SECTION.
6. ALL THE STOP SIGNALS ARE LOCATED CLEAR OFF NEUTRAL SECTION.
7. THE NEW SIGNAL POSITION HAVE BEEN AMENDED TO SUIT SIGNAL SIGHTING COMMITTEE REPORT.
8. SYSTEM OF WORKING IS ABSOLUTE BLOCK SYSTEM.
9. THE HPL IS PROVIDED FOR SIDING POINT AND STANDS NORMALLY:- YES
10. ALL THE WORKS ARE CARRIED OUT AS PER THE PROVISIONS IN THE SEM. G&SR AND OTHER POLICY LETTERS.
11. THE NEW EQUIPMENT IS PLACED AS PER SITE SURVEY.
12. RECORD OF DESIGN DECISIONS ARE DETAILED IN SCHEME PLAN DESIGN LOG: . :-NIL
13. FOULING POINTS TRACK CIRCUIT ARE REQUIRED TO BE MEASURED ON SITE.
14. SIGNAL AND SIGNAGES ARE IN ACCORDANCE WITH G&SR AND SEM.
15. THE CROSS OVER POINTS ARE OPERATED BY PARALLEL OPERATION.
16. POINT ZONE TELEPHONES (PTZ) ARE PROVIDED AT TOP POINTS:- NIL.
17. NON-STANDARD SYMBOLS USED ON THIS PLAN ARE . :- NIL.
18. LIST OF ASSUMPTION BEING MADE WHILE SCHEME PLAN WAS IN PRODUCTION ARE
(i) ....
(ii) ....
19. SCHEME PLAN SPECIFIC ISSUES WHICH ARE STILL TO BE RESOLVED
(i) ....
(ii) ....
20. TYPE OF INTERLOCKING : PANEL INTERLOCKING.
21. REFER INTERLOCKING CONTROL CHART FOR DETAILS OF ALL SIGNAL ROUTES.
22. COMPLETION DETAILS TO BE INCORPORATED AFTER COMMISSIONING THE WORKS SUITING TO SITE CONDITIONS FOR GENERATING SIGNAL INTERLOCKING PLAN (RECORDS UPDATED).
23. SPECIAL NOTES RELATED TO SPECIFIC RAILWAY/ STATION LIKE SPT, EMERGENCY GATE KEY etc.
24. ALL MAIN SIGNALS, SUBSIDIARY SIGNALS, STANDARD AND MINIATURE INDICATORS,POSITION LIGHT JUNCTION INDICATORS ARE OF LED TYPE.
25. DEAD APPROACH LOCKING PROVIDED AT L.C GATE No. ~~94'B1'~~ 94'SPL' & 92'B1' WITH 60 SEC. TIME DELAY AS PER RLY. BOARD'S L. No.- 2000/SAFETY(A&R)/19/39/PT-11, DATED-10/06/2014.

APPROVAL PANEL

ALT	DESCRIPTION	REFERENCE	CHECKED BY SSE/DRG.	CHECKED BY SSE/SIG.	CHECKED BY ASTE/ D&D	CHECKED BY ASTE/ PLG.	CHECKED BY DY.CSTE/ W&D	COUNTER SIGNED BY FOR PCOM/ECR/HJP	APPROVED BY FOR PCSTE/ECR/HJP	CRS SANCTION NO. & DATE	DATE OF COMM.
Ⓐ	i) COMPLIANCE OF CRS OBSERVATION TO SUIT ITEM NO:-4 ii) UPGRADATION OF LC GATE NO: 90'C' TO 'A', 92'C' TO 'B1', 97'B1' TO 'A', 101'B' TO 'SPL', 98'C' TO 'A', 94B TO 'SPL'	i) SR.DSTE/DNR, L.No:- SG/DRG/DNR, DT: 30/08/21 ii) DY. CRS/TECH/ EC/KKK, L.No: CRS/ECR/DNR/DHA-SLD/IBS/INT-LC/1519, DT 24/03/21 iii) TO SUIT ESP NO: Y-09-2009, ALT-1	31/08/2021	01.09.21.	02.09.21	02.09.21	2/9/21	02/09/21	2.9.21 (RISHI GUPTA) CSTE/PLS/HJP		
Ⓐ1	INTERLOCKING OF LEVEL CROSSING NO - 92'B1' AT KM 718/3-5 BETWEEN ZNA-DHA STATIONS. ALONGWITH EOLB AND SLIDING BOOM	i) SR. DSTE/DNR, L-NO - SG/DRG/DNR DT:- 03.09.21. ii) DRM - DNR PLAN NO - 61-2021.	17.09.21 SSE/D	20.9.21. SSE/S	23/09/21 ASTE/D&D	21.9.21 ASTE/PLG	23/9/21 DY.CSTE/ W&D	29.9.21 F.PCOM/ECR	30.9.21 (RISHI GUPTA) CSTE/PLS/HJP		
Ⓐ2	i) COMPLIANCE OF CRS OBSERVATION TO SUIT ITEM NO: 4 ii) LEGEND BOARD (LOOK OUT FOR LC GATE WHEN PASSING IB SIG AT ON VIDE IRSEM PARA NO: 7.37(b) AND GR & SR PARA NO: ITEM 13(5)(i) & (ii).	i) SR DSTE/DNR, L.NO- SG/CRS/DNR, DT: 29/09/2021 ii) CRS/EC/KKK, L.No CRS/ECR/DNR/DHA-SLD/IBS/INT-LC/995, DT: 28/09/21 iii) SR. DSTE/DNR. L.No-SG/CRS/DNR. DT-11/10/2021	20/10/21 SSE/D	21.10.21 JE/S	25.10.21 ASTE/D&D	25.10.21 ASTE/PLG	25/10/21 DY.CSTE/W&D	27/10/21 F.PCOM/HJP	28.10.21 (RISHI GUPTA) CSTE/PLS/HJP		
Ⓐ3	GRADIENT DETAILS CORRECTED AS PER ESP.	i) SR. DSTE/DNR L.NO: SG/CRS/DNR, DT: 27.12.21 ii) ESP NO: Y-09-2006, ALT-2 & Y-39-2008, ALT-2	28.12.21 SSE/D	28.12.21 JE/S	28.12.21 ASTE/D&D	28.12.21 ASTE/PLG	28/12/21 DY.CSTE/W&D	F.PCOM/HJP	28.12.21 (RISHI GUPTA) CSTE/PLS/HJP		
Ⓐ4	NOMENCLATURE AND ASPECT OF UP IBS SIG (S-21) AND UP IBS INN DIST CORRECTED AND ASPECT CONTROL CHART CORRECTED.	SR.DSTE/DNR, L.No: SG/DRG/DNR, DT: 08.02.2022	9/02/2022 SSE/D	10/02/2022 SSE/S	ASTE/D&D	11/02/2022 ASTE/PLG	11/2/22 DY.CSTE/PLG	11/02/22 F.PCOM/HJP	(LALJI CHAUDHARY) CSTE/D&D/HJP		

DHEENA-SIG-DNR

THIS LINE IS ONLY PRINTED TO SCALE IF THIS LINE MEASURES 100MM.

C.R.S. SANCTION NO. DATE :- COMPLETED ON	SCALE (1:1000) LONGITUDINAL : 1CM = 10M TRANSVERSE : 1CM = 5 M	WITH CENTRAL OPERATION SIGNAL INTERLOCKING PLAN	
CLASS	B	PANEL INTERLOCKING SIGNAL INTERLOCKING PLAN ECR/SIP/DNR/072/2021.	ZONE: ECR
STANDARD OF INTERLOCKING	III(R)		DIVISION: DNR
SCALE	LONGITUDINAL 1CM=10M VERTICAL 1CM=5M		STATION: DHN

DHEENA (DHA) धीना