Signature block	
CSTE/D&D/HJP	LALJI CHAUDHARY Digitally signed by LALJI CHAUDHARY Date: 2022.01.18 17:10:23 +05'30'
CTPM/ECR	NEERAJ AMBASTHA Digitally signed by NEERAJ AMBASTHA Date: 2022.01.12 12:59:15 +05'30'
SrDOM/DHN	PANKAJ KUMAR Digitally signed by PANKAJ KUMAR Date: 2022.01.11 17:53:26 +05'30'
SrDSTE(Co-ord)/DHN	GAUTAM GUPTA Digitally signed by GAUTAM GUPTA Date: 2022.01.11 18:17:24 +05'30'
DyCSTE/W/DHN	RAJNISH KUMAR PANDEY Digitally signed by RAJNISH KUMAR PANDEY Date: 2022.01.11 17:01:43 +05'30'
DyCSTE/W&D/1	GIRISH KUMAR Digitally signed by GIRISH KUMAR Date:2021.12.31 03:46:20 +05'30'
ASTE/D&D/1	RAVI SHANKAR Digitally signed by RAVI SHANKAR Date:2021.12.31 04:25:18 +05'30'
ASTE/Plg/II/HJP	SUMAN KUMAR SINGH Digitally signed by SUMAN KUMAR SINGH Date:2022.01.07 04:44:18 +05'30'
SSE/Signal	Manoj Kumar Singh Digitally signed by Manoj Kumar Singh Date: 2022.01.12 12:39:48 +05'30'
SSE/Drg	Arindam Kumar Digitally signed by Arindam Kumar Date:2021.12.31 03:39:42 +05'30'
SSE/Drg	Tarakant Chaudhary Digitally signed by Tarakant Chaudhary



SIGNAL SPECIFIC NOTES – II

6. DETAILS OF SIDING POINTS (IF ANY):-NIL
 i. POINT NO. XX LOCALLY OPERATED WITH SUCCESSIVE KEY RELEASE ARRANGEMENT
 ii. SIDING POINT KEY CONTROL IS TRANSMITTED TO SITE BY SM FOR OPERATION
 iii. [illegible] FROM EKT LOCATED AT SITE
 iv. [illegible] END POINT
 v. [illegible] KEY B IS EXTRACTED
 vi. [illegible] TRAP POINT IS SET TO REVERSE

SIDING POINT NO.	DETECTS POINT NORMAL/REVERSE	PROVED IN SIGNAL NO.	LEADING TO
NIL	--	--	--
	--	--	--

7. INTERLOCKED LC GATE DETAILS:
 i. LC NO. 35 IS PROVIDED WITH SGLB.
 ii. [illegible] GATE AND WINCH KEY IS TAKEN OUT:- NIL
 iii. [illegible] LEVER TO RELEASE, AND BOOM LEVER IS REVERSED:- NIL
 iv. [illegible] INSERTED IN EKT FOR TRANSMISSION TO STATION MASTER
8. COMMUNICATION DETAILS:
 TELEPHONE COMMUNICATION IS PROVIDED BETWEEN SM AND LC NO 35 & 36
9. V.D.U. DETAILS:-
 MAIN SIGNAL - 01. 02. 03. 04. 05. 06. 07. 08. 09. 11. 12. 14.
 CALLING - ON SIGNAL - C-1, C-12
 SHUNT SIGNAL - 103, 104, 105, 106, 107, 108, 109, 201, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 218, 219, 220, 222, 223, 224, 225, 226, 234, 236, 238.
 DEAD SHUNT SIGNAL - 202, 205, 221, 227, 228, 229, 230, 232.
 POINT - 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 66, 67, 68, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80.
 CRANK HANDLE CONTROL - CH-1, CH-2, CH-3, CH-4, CH-6, CH-7, CH-8, CH-9, CH-10, CH-11, CH-12, CH-13, CH-14, CH-15, CH-16, CH-17, CH-18, CH-19, CH-20, CH-21, CH-22, CH-23.
 L-X ING GATE CONTROL - G-31.
10. DETAILS OF SIGNAL ROUTES HAVING ALTERNATE OVERLAPS

SIGNAL NO.	LEADING TO	DETAILS OF OVERLAP
S01	ROAD 1(UP MAIN)	UP TO LSS S11 WHEN POINT 71 & 80 NORMAL.
S01	ROAD 5 (L/R-II)	UP TO LSS S11 WHEN POINT 78 NORMAL 79 REVERSE & 80 REVERSE.
S01	ROAD 6 (L/R-III)	UP TO SAND HUMP WHEN POINT 77 & 78 NORMAL.
S01	ROAD 7(L/R-?)	UP TO SAND HUMP WHEN POINT 77 NORMAL.

SIGNAL NO.	LEADING TO	DETAILS OF OVERLAP
S12	ROAD 3(L/R-II)	UP TO 4T WHEN POINT 52 & 54 NORMAL.
S12	ROAD 2(L/R-III)	UP TO LSS S02 WHEN POINT (51, 54 NORMAL) & 52 REVERSE
S12	ROAD 3(L/R-?)	UP TO LSS S02 WHEN POINT (52, 53 NORMAL) & 54 REVERSE

11. 60 SEC. TIME DELAY PROVIDED FOR C-1 & C-12 SIGNAL.
12. ALL ANGLE OF XINGS ARE 1 IN 12 EXCEPT AS MENTIONED.
13. SIGNAL OVERLAP FOR ADV STARTER/ LSS IS 180M IS TAKEN.
14. LC GATE NO. 35 IS SITUATED AT KM -402/25-27, CH 581.00M AND ELECTRICALLY OPERATED BY ELECTRICAL LIFTING BARRIER.
15. TWO CPU & VDU (ONE SET STAND BY) PROVIDED FOR VDU OPERATION IN ASM/SM ROOM AND ONE COLOUR MONITOR PROVIDED IN MAINTENANCE ROOM.
16. CONTROL TELEPHONE PROVIDED AT VDU ROOM.
17. ROAD SIGNAL SHALL DISPLAY RED ASPECT WHEN SLIDING BOOM IS USED TO CLOSE THE ROAD TRAFFIC.
18. DEAD APPROACH LOCKING PROVIDED FOR INTERLOCKED GATES OF BLOCK SECTION WITH 60 SEC. TIME DELAY.
19. POINT MACHINE TO BE FIXED OUT SIDE OF TRACK WHERE IS FEASIBLE.
20. L-XING DETAILS BETWEEN KQR TO GJD STATION.
21. L-XING DETAILS BETWEEN GJD TO LBZ STATION.
22. FOULING TRACK CIRCUIT:- NIL
23. SUB ROUTE LOCKING PROVIDE ON POINT No.59,67 AND 68.

SIGNAL SPECIFIC NOTES – I

1. NUMBER GRID:

FUNCTIONS	LOCATION or DIRECTION	RANGE	SPARES
SIGNAL	RIGHT TO LEFT	(02-30) (EVEN NUMBERS)	10,16 to 30
	LEFT TO RIGHT	01-29 (ODD NUMBERS)	15 to 29
Calling-ON SIGNAL	RIGHT TO LEFT	CO1	
	LEFT TO RIGHT	C12	
SHUNT SIGNAL	LEFT TO RIGHT	202-260 (EVEN NUMBERS)	240 to 260
	RIGHT TO LEFT	201-259 (ODD NUMBERS)	231 to 259
POINTS	LEFT HALF	51,52,53,54,55,56,57,58,59,60,	61 to 65.
	RIGHT HALF	66,67,68,70,71,72,73,74,75,76, 77,78.	69
SIDING POINTS	RIGHT HALF	--	--
	LEFT HALF	--	--
LC GATE	RIGHT HALF	G-31	--
	LEFT HALF	--	--

2. BLOCK WORKING:

SECTION	TYPE OF BLOCK WORKING	BLOCK INSTRUMENT TYPE	BPAC	REMARKS IF ANY
'GJD' - 'LBZ' SEC.	ABSOLUTE BLOCK	UFSBI-BLOCK PROVING DOUBLE LINE	HASSDAC	LOCATED AT SM ROOM
DN 'IBP' - 'KQR' SEC.	ABSOLUTE BLOCK	UFSBI-BLOCK PROVING DOUBLE LINE	HASSDAC	LOCATED AT SM ROOM

3. DETAILS OF TRACK CIRCUITS:

TRACK CIRCUIT NOS.	TYPE OF TRACK CIRCUITS	REMARKS IF ANY
C-1T, 1T, 02T, 2AXCT, 51AT, 51BT, 52AT, 53T, 56T, 57T, 3T, 03T, 03T1, 03T2, 4T, 04T, 04T1, 04T2, 5T, 05T, 05T1, 05T2, 6T, 06T, 06T1, 06T2, 7T, 07T, 07T1, 07T2, 8T, 08T, 08T1, 08T2, 08T3, 08T4, 9T, 09T, 09T1, 09T2, 09T3, 09T4, 60T, 66T, 70T, 71BT, 72T, 73T, 74T, 75/76T, 78AT, 12T, C-12T, 011T.	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
GJD - LBZ (UP)	HASSDAC	PREPARATORY	AT STATION LBZ	AT STATION GJD
LBZ - GJD (DN)	HASSDAC	PREPARATORY	AT STATION GJD	AT STATION LBZ
IBP(KQR) - GJD (UP)	HASSDAC	PREPARATORY	AT STATION GJD	AT STATION KQR
IBP(GJD) - KQR (DN)	HASSDAC	PREPARATORY	AT STATION KQR	AT STATION GJD

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

GROUP	POINTS	TYPE OF POINT MACHINE	CH EKT KEPT AT
CH1	51	IRS POINT MACHINE	SM ROOM
CH2	52	IRS POINT MACHINE	SM ROOM
CH3	53	IRS POINT MACHINE	SM ROOM
CH4	54,55	IRS POINT MACHINE	SM ROOM
CH5	56	IRS POINT MACHINE	SM ROOM
CH6	[illegible]	IRS POINT MACHINE	SM ROOM
CH7	57	IRS POINT MACHINE	SM ROOM
CH8	58	IRS POINT MACHINE	SM ROOM
CH9	59	IRS POINT MACHINE	SM ROOM
CH10	60	IRS POINT MACHINE	SM ROOM
CH11	66	IRS POINT MACHINE	SM ROOM
CH12	67	IRS POINT MACHINE	SM ROOM
CH13	68	IRS POINT MACHINE	SM ROOM
CH14	70	IRS POINT MACHINE	SM ROOM
CH15	71	IRS POINT MACHINE	SM ROOM
CH16	72	IRS POINT MACHINE	SM ROOM
CH17	73	IRS POINT MACHINE	SM ROOM
CH18	74	IRS POINT MACHINE	SM ROOM
CH19	75	IRS POINT MACHINE	SM ROOM
CH20	76	IRS POINT MACHINE	SM ROOM
CH21	77	IRS POINT MACHINE	SM ROOM
CH22	78	IRS POINT MACHINE	SM ROOM
CH23	79, 80	IRS POINT MACHINE	SM ROOM

GENERAL NOTES

1. THIS PLAN IS BASED ON SIGNAL INTERLOCKING PLAN NO : **ECR/SIP/DHN/GJD/043/2009**
2. THIS PLAN IS BASED ON ENGINEERING SCALE PLAN (ESP) NO:-**Y-155-2021**
3. THIS PLAN SUPERSEDES SIP/SSP NO:- **ECR/SIP/DNH/043/2009 ALT-VI.**
4. THIS STATION IS LOCATED IN 25 KV AC ELECTRIFIED SECTION.
5. ALL THE STOP SIGNALS ARE LOCATED CLEAR OFF NEUTRAL SECTION.
6. VISIBILITY OF NEW SIGNALS TO BE ENSURED BY SIGNAL SIGHTING COMMITTEE SUBJECT TO LIGHTING OF SIGNALS.
7. SYSTEM OF WORKING IS ABSOLUTE BLOCK SYSTEM.
8. NO APPROACH WARNING IS PROVIDED FOR THE LC GATE .
9. THE GROUND MOUNTED LEVER FRAMES ARE PROVIDED FOR SIDING POINT OPERATION AND LC GATE BOOM LOCKING:-**NIL.**
10. THE HPL IS PROVIDED FOR SIDING POINT AND STANDS NORMALLY IN . :-**NIL.**
11. ALL THE WORKS ARE CARRIED OUT AS PER THE PROVISIONS IN THE IRSEM. G&SR AND OTHER POLICY LETTERS.
12. THE NEW EQUIPMENT IS PLACED AS PER SITE SURVEY.
13. RECORD OF DESIGN DECISIONS ARE DETAILED IN SCHEME PLAN DESIGN LOG:-**NIL.**
14. FOULING POINTS ARE REQUIRED TO BE MEASURED ON SITE.
15. SIGNAL AND SIGNAGES ARE IN ACCORDANCE WITH G&SR AND IRSEM.
16. THE CROSS OVER POINTS ARE OPERATED BY PARALLEL OPERATION.
17. POINT ZONE TELEPHONES (PTZ) ARE PROVIDED AT TOP POINTS:-**NIL.**
18. NON-STANDARD SYMBOLS USED ON THIS PLAN ARE :-**NIL.**
19. LIST OF ASSUMPTION BEING MADE WHILE SCHEME PLAN WAS IN PRODUCTION ARE
 (i) . . . .
 (ii) . . . .
20. SCHEME PLAN SPECIFIC ISSUES WHICH ARE STILL TO BE RESOLVED
 (i) . . . .
 (ii) . . . .
21. TYPE OF INTERLOCKING : **CENTRALISED ELECTRONIC INTERLOCKING.**
22. REFER INTERLOCKING CONTROL CHART FOR DETAILS OF ALL SIGNAL ROUTES.
23. COMPLETION DETAILS TO BE INCORPORATED AFTER COMMISSIONING THE WORKS SUITING TO SITE CONDITIONS FOR GENERATING SIGNAL INTERLOCKING PLAN (RECORDS UPDATED).
24. SPECIAL NOTES RELATED TO SPECIFIC RAILWAY/ STATION LIKE SPT, EMERGENCY GATE KEY etc.
25. ALL MAIN SIGNALS, SUBSIDIARY SIGNALS, GROUND SHUNT SIGNALS, REPEATER SIGNALS, STANDARD AND MINIATURE INDICATORS, POSITION LIGHT JUNCTION INDICATORS ARE OF LED TYPE.
26. PB ITEM No.688 OF 2021-22 PH-33 PROJECT ID 03.02.33.19.1.13.003

SPECIAL INSTRUCTION / APPROVED SPECIAL INSTRUCTION

SL.NO.	SPECIAL INSTRUCTION / APPROVED SPECIAL INSTRUCTION	ISSUED BY	AUTHORITY	REMARKS
1.	UNDER THE PROVISION OF G.R. PARA 3.07 (7) THE FOLLOWING SIGNALS ARE COMBINED WITH THE SIGNAL. i) UP INN DISTANT OF LBZ MERGED WITH UP ADV STR OF GJD. ii) DN INN DIST. OF GJD MERGED WITH DN SIG. OF LBZ.	CRS		~~TO BE OBTAINED~~ (A) CRS/ECR/DHN/GJD/CONDO/21/1468. DT:-16.02.2022

APPROVAL PANEL

ALT	DESCRIPTION	REFERENCE	CHECKED BY SSE/DRG/HJP	SSE/SIG/HJP	ASTE/D&D/HJP	ASTE/PLG./HJP	DYCSTE/PLG/HJP	COUNTER SIGNED BY FOR PCOM/ECR/HJP	APPROVED BY FOR PCSTE/ECR/HJP	CRS SANCTION NO. & DATE	DATE OF COMM.
(A)	COMPLETION DRAWING MADE	DY-CSTE/W/DHN/LT-NO-SG.662/1/CON/PT-XIX DT- 09.05.2022	17.5.22 ESM/D	17.05.22	17.5.22	17/05/22	17/5/22		18.5.22 (RISHI GUPTA) CSTE/PLG	CRS/ECR/DHN/GJD/EI/21/1467 DT:- 16.02.2022	29.04.2022

SIP NO-ECR/SIP/DHN/GJD/043/2022
Arindam Kumar Digitally signed by Arindam Kumar

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

C.R.S. SANCTION NO. - CRS/ECR/DHN/GJD/EI/21/1467 DATE :- 26/02/2022 COMPLETED ON 29.04.2022	E.I. WITH CENTRAL OPERATION SIGNAL INTERLOCKING PLAN		
CLASS	B (MACLS)	SIGNAL INTERLOCKING PLAN ECR/SIP/DHN/GJD/043/2022	ZONE: ECR
STANDARD OF INTERLOCKING	III		DIVISION: DHN
SCALE	LONGITUDINAL 1CM=10M; VERTICAL 1CM=5M		STATION: GJD
गझंडी	GUJHANDI		

GJ1HANDI/SIP/DHN/2022 (प्रति)