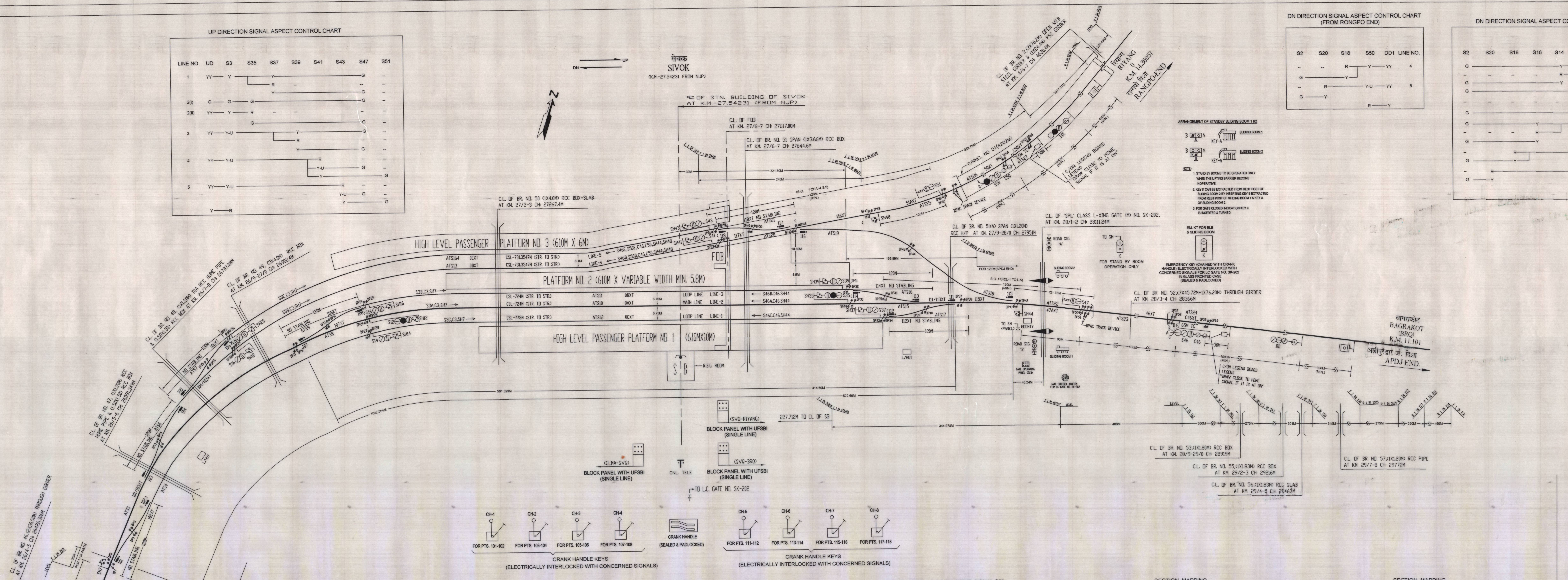

UP DIRECTION SIGNAL ASPECT CONTROL CHART

LINE NO.	UD	S3	S35	S37	S39	S41	S43	S47	S51
1	YY	Y		Y				G	-
				R	-			-	-
				Y				G	-
2(i)	G	G	G					G	-
2(ii)	YY	Y	R	-	-			-	-
			G					G	-
3	YY	Y-U			Y			G	-
					R			-	-
					Y			G	-
4	YY	Y-U				R		-	-
						Y-U		G	-
						Y			G
5	YY	Y-U					R	-	-
							Y-U	G	-
							Y		G
	Y	R							

DN DIRECTION SIGNAL ASPECT CONTROL CHART (FROM RONGPO END)

S2	S20	S18	S50	DD1	LINE NO.
-	-	R	Y	YY	4
G		Y			
-	R		Y-U	YY	5
G	Y				
			R	Y	

DN DIRECTION SIGNAL ASPECT CONTROL CHART (FROM BRQ END)

S2	S20	S18	S16	S14	S12	S46	DD	LINE NO.
G				Y		Y-U	YY	1
-	-	-	-	R				
G				Y				
G					G	G	G	2(i)
-	-	-	-	-	R	Y	YY	2(ii)
G					G			
G			Y			Y-U	YY	3
-	-	-	R					
G			Y					
-		R				Y-U	YY	4
G		Y						
-	R					Y-U	YY	5
G	Y							
						R	Y	

CH-1 FOR PTS. 101-102; CH-2 FOR PTS. 103-104; CH-3 FOR PTS. 105-106; CH-4 FOR PTS. 107-108

CRANK HANDLE KEYS (ELECTRICALLY INTERLOCKED WITH CONCERNED SIGNALS)

CRANK HANDLE (SEALED & PADLOCKED)

CH-5 FOR PTS. 111-112; CH-6 FOR PTS. 113-114; CH-7 FOR PTS. 115-116; CH-8 FOR PTS. 117-118

CRANK HANDLE KEYS (ELECTRICALLY INTERLOCKED WITH CONCERNED SIGNALS)

LIST OF FOULING TRACK CIRCUITS

S/No.	FOULING TRACK CIRCUIT	MOVEMENT
1.	107XT	ALL MOVEMENTS WITH X-OVER 103-104 REVERSE.
2.	111/113XT	ALL MOVEMENTS WITH X-OVER 115-116 REVERSE.

SIGNAL OVERLAP OF UP HOME SIGNAL S3

S/No.	ROUTE	OVERLAP
1.	S3A	120M(MIN.) FROM UP STARTER SIG. NO. S35 UPTO UP ADV. STR. SIG. NO. S47 WITH POINTS NO. 111-112, 113-114 & 115-116 NORMAL.
2.	S3B	120M(MIN.) FROM UP STARTER SIG. NO. S39 UPTO DEAD END WITH POINTS NO. 113-114 NORMAL.
3.	S3B1	120M(MIN.) FROM UP STARTER SIG. NO. S39 UPTO UP ADV. STR. SIG. NO. S47 WITH POINTS NO. 113-114 REVERSE & 111-112, 115-116 NORMAL.
4.	S3C	120M(MIN.) FROM UP STARTER SIG. NO. S37 UPTO DEAD END WITH POINTS NO. 111-112 NORMAL.
5.	S3C1	120M(MIN.) FROM UP STARTER SIG. NO. S37 UPTO UP ADV. STR. SIG. NO. S47 WITH POINTS NO. 111-112 REVERSE & 115-116 NORMAL.
6.	S3D	120M(MIN.) FROM UP STARTER SIG. NO. S41 UPTO UP ADV. STR. SIG. NO. S51 WITH POINTS NO. 115-116 & 117-118 NORMAL.
7.	S3D1	120M(MIN.) FROM UP STARTER SIG. NO. S41 UPTO UP ADV. STR. SIG. NO. S47 WITH POINTS NO. 117-118 NORMAL & 115-116 REVERSE.
8.	S3E	120M(MIN.) FROM UP STARTER SIG. NO. S43 UPTO DEAD END WITH POINTS NO. 117-118 NORMAL.
9.	S3E1	120M(MIN.) FROM UP STARTER SIG. NO. S43 UPTO UP ADV. STR. SIG. NO. S51 WITH POINTS NO. 117-118 REVERSE & 115-116 NORMAL.
10.	S3E2	120M(MIN.) FROM UP STARTER SIG. NO. S43 UPTO UP ADV. STR. SIG. NO. S47 WITH POINTS NO. 117-118 & 115-116 REVERSE.

SIGNAL OVERLAP OF DN HOME SIGNAL S46

S/No.	ROUTE	OVERLAP
1.	S46A	120M(MIN.) FROM DN STARTER SIG. NO. S12 UPTO DN ADV. STR. SIG. NO. S2 WITH POINTS NO. 101-102, 103-104 & 107-108 NORMAL.
2.	S46B	120M(MIN.) FROM DN STARTER SIG. NO. S16 UPTO DEAD END WITH POINTS NO. 107-108 NORMAL.
3.	S46B1	120M(MIN.) FROM DN STARTER SIG. NO. S16 UPTO DN ADV. STR. SIG. NO. S2 WITH POINTS NO. 107-108 REVERSE & 101-102, 103-104 NORMAL.
4.	S46C	120M(MIN.) FROM DN STARTER SIG. NO. S14 UPTO DEAD END WITH POINTS NO. 101-102 NORMAL.
5.	S46C1	120M(MIN.) FROM DN STARTER SIG. NO. S14 UPTO DN ADV. STR. SIG. NO. S2 WITH POINTS NO. 101-102 REVERSE.
6.	S46D	120M(MIN.) FROM DN STARTER SIG. NO. S18 UPTO DEAD END WITH POINTS NO. 103-104 & 105-106 NORMAL.
7.	S46D1	120M(MIN.) FROM DN STARTER SIG. NO. S18 UPTO DN ADV. STR. SIG. NO. S2 WITH POINTS NO. 103-104 REVERSE & 105-106, 101-102 NORMAL.
8.	S46E	120M(MIN.) FROM DN STARTER SIG. NO. S20 UPTO DEAD END WITH POINTS NO. 105-106 NORMAL.
9.	S46E1	120M(MIN.) FROM DN STARTER SIG. NO. S20 UPTO DEAD END WITH POINTS NO. 105-106 REVERSE & 103-104 NORMAL.
10.	S46E2	120M(MIN.) FROM DN STARTER SIG. NO. S20 UPTO DN ADV. STR. SIG. NO. S2 WITH POINTS NO. 105-106 & 103-104 REVERSE AND1 01-102 NORMAL.

SIGNAL OVERLAP OF DN HOME SIGNAL S50

S/No.	ROUTE	OVERLAP
6.	S50D	120M(MIN.) FROM DN STARTER SIG. NO. S18 UPTO DEAD END WITH POINTS NO. 103-104 & 105-106 NORMAL.
7.	S50D1	120M(MIN.) FROM DN STARTER SIG. NO. S18 UPTO DN ADV. STR. SIG. NO. S2 WITH POINTS NO. 103-104 REVERSE & 105-106, 101-102 NORMAL.
8.	S50E	120M(MIN.) FROM DN STARTER SIG. NO. S20 UPTO DEAD END WITH POINTS NO. 105-106 NORMAL.
9.	S50E1	120M(MIN.) FROM DN STARTER SIG. NO. S20 UPTO DEAD END WITH POINTS NO. 105-106 REVERSE & 103-104 NORMAL.
10.	S50E2	120M(MIN.) FROM DN STARTER SIG. NO. S20 UPTO DN ADV. STR. SIG. NO. S2 WITH POINTS NO. 105-106 & 103-104 REVERSE, 101-102 NORMAL.

SECTION MAPPING

TRACK SECTION NO.	DP NO.	TRACK NO.
ATS1	(DP1 & DP3) OR (DP2 & DP4)	C3XT
ATS2	(DP3 & DP5) OR (DP4 & DP6)	3XT
ATS3	(DP5 & DP7) OR (DP6 & DP8)	2AXT
ATS4	(DP9 & DP27) OR (DP10 & DP28)	102XT
ATS5	(DP7, DP9, DP11 & DP13) OR (DP8, DP10, DP12 & DP14)	101/103XT
ATS6	(DP13, DP15 & DP23) OR (DP14, DP16 & DP24)	104/105XT
ATS7	(DP15 & DP25) OR (DP16 & DP26)	106XT
ATS8	(DP11, DP17 & DP21) OR (DP12, DP18 & DP22)	107XT
ATS9	(DP17 & DP19) OR (DP18 & DP20)	108XT
ATS10	(DP21 & DP29) OR (DP22 & DP30)	OAXT
ATS11	(DP19 & DP31) OR (DP20 & DP32)	OBXT
ATS12	(DP27 & DP33) OR (DP28 & DP34)	OCXT
ATS13	(DP23 & DP53) OR (DP24 & DP54)	ODXT
ATS14	(DP25 & DP51) OR (DP26 & DP52)	OEXT
ATS15	(DP29, DP35, DP37 & DP39) OR (DP30, DP36, DP38 & DP40)	111/113XT
ATS16	(DP31 & DP35) OR (DP32 & DP36)	114XT

SECTION MAPPING

TRACK SECTION NO.	DP NO.	TRACK NO.
ATS17	(DP33 & DP39) OR (DP34 & DP40)	112XT
ATS18	(DP37, DP41 & DP43) OR (DP38, DP42 & DP44)	115XT
ATS19	(DP43, DP45 & DP47) OR (DP44, DP46 & DP48)	116XT
ATS20	(DP45, DP53 & DP49) OR (DP46, DP54 & DP50)	117XT
ATS21	(DP49 & DP51) OR (DP50 & DP52)	118XT
ATS22	(DP41 & DP55) OR (DP42 & DP56)	47AXT
ATS23	(DP55 & DP57) OR (DP56 & DP58)	46XT
ATS24	(DP57 & DP59) OR (DP58 & DP60)	C46XT
ATS25	(DP47 & DP61) OR (DP48 & DP62)	51AXT
ATS26	(DP61 & DP63) OR (DP62 & DP64)	50XT
ATS27	(DP63 & DP65) OR (DP64 & DP66)	C50XT

7. ADVANCED STARTER SIGNAL NO.- S47 & S51 PLACED AT A DISTANCE OF 120M(MIN.) FROM STARTER SIGNAL, INSTEAD OF OUTERMOST TRAILING POINT, DUE TO THE BRIDGE NO. 52 & TUNNEL NO. 01 RESPECTIVELY AS PER PROVISION OF G & SR PARA 3.40(1(b).
6. ELECTRICALLY OPERATED LIFTING BARRIER & WARNING BELL/HOOTER PROVIDED FOR L.C GATE No. SK-202.
5. ALL TRACK SECTIONS ARE PROVIDED WITH PREPARATORY RESET.
4. STATION YARD IS PROVIDED WITH DUAL MSDAC FOR DETECTION OF PRESENCE OF TRAIN.
3. STATION TO BE MADE RE FIT (TO SUIT 25 KV AC TRACTION).
2. UP/DN. STARTER SIGNALS ARE PLACED WITHIN (0-3)M FROM THE DETECTION POINT AHEAD.
1. ALL POINTS & CROSSINGS ARE 1 IN 12 EXCEPT OTHERWISE MENTIONED.

टिप्पणी NOTES

कार्य का क्षेत्र SCOPE OF WORK	SIVOK RANGPO NEW BG LINE PROJECT VIDE PB/LAW ITEM NO. 14, 2009-10.
मिसिल सं CASE NO.	.
गेज GAUGE	B.G.
अन्तर्पाशन का मानक STD. OF INTERLOCKING	II
स्टेशन का वर्ग CLASS OF STATION	'B'
विचलन DEVIATIONS	NIL
इंजी योजना के अनुसार TO SUIT ENGG. PLAN NO.	CE/Y/04/2022
निरस्त योजना का स्थान लेना SUPERSEDES SIG. PLAN NO.	SI/2002/00039 ALT.-'H'

(R. GAUTAM) CTPM/MLG

IRCON INTERNATIONAL LIMITED
(A Govt. of India Undertaking)
C-4, District Centre,Saket,New Delhi -110017
Tel.: +91-11-29565666 Fax: +91-11-26854000,26522000

GM/PH-I/SRRP	CGM/S&T	PD/SRRP
ANIRUDDHA PRASAD SINGH	MOHAN LAL CHAHAR	MOHINDER SINGH

जे/सिग/सी JE/SIG/C	व.खण्ड नक्शा इं SSE/DRG./CON	व.खण्ड सिग इं SSE/SIG./CON	सहायक सिग इं ASTE/C/PL	वरिष्ठ सिग इं SSTE/C/PL	DATE
29/06/2022	29/06/22	29/6/2022	29/06/22		

ALT.	REF.	DESCRIPTION	DY. CSTE/C/PL
		EXISTING STATION	

उप मु सिग एवं दूरसंचार इंजी नि यो DY. CSTE/C/PL — मु सिग एवं दूरसंचार इंजी नि PCSTE/CON — APPROVED

DATE OF OPENING — CRS's SANC. NO. & DATE

SCALE	
VERTICAL	1 : 500
HORIZONTAL	1 : 2000

सेवक SIVOK
SIGNALLING PLAN (E.I.)

अलीपुरद्वार मंडल
ALIPURDUAR DIVISION

DRG. NO. नक्शा सं SG(SI)2034

पूर्वोत्तर सीमा रेलवे संकेत एवं दूरसंचार विभाग
NORTHEAST FRONTIER RAILWAY - SIGNAL AND TELECOMMUNICATION DEPARTMENT