
SIGNAL & TELECOM DEPARTMENT: AT A GLANCE

Infrastructure / Assets

I. SIGNAL :

1.	Total no. of BG Stations	=	93 stations
2.	Total No. of MG station	=	15 Stations
3	RRI	=	01 Station
4.	Panel interlocked MACLS stations	=	74 stations
5.	Electronic Interlocking	=	18 stations
6.	Calling ON signal	=	93 stations
7.	Shunt signal	=	93 stations
8.	Block Instruments		
	❖ Token Less Block Instruments (S.L.)	=	16 Nos.
	❖ Lock & Block Instrument (D.L.)	=	66 Nos.
	❖ Daido Block Instruments (S.L.)	=	48 Nos.
	❖ Universal Fail Safe Block Interface	=	28 Nos.
	❖ Universal Fail Safe Block Interface (IBS)	=	20 Nos.
9.	Points Machine		
	❖ High Voltage (IRS Rotary)	=	1340 Nos.
	❖ High Thirst Machine	=	45 Nos.
10.	LED lit Signals	=	93 stations
11.	Integrated Power Supply	=	93 stations
11.	Data Loggers	=	93 stations

North Eastern Railway

1.0 SIGNALLING ARRANGEMENTS AT STATIONS:

<u>SN</u>	<u>Details</u>	<u>No. of Stations</u>		
		<u>BG</u>	<u>M</u> <u>G</u>	<u>MG/B</u> <u>G</u>
1.	Multi aspect Colour Light Signalling (MACLS) with Central Panel	91	-	02
2.	Multi aspect Colour Light Signalling (MACLS) with End Cabin	-	-	-
3.	Lower Quadrant (L/Q) Semaphore Signalling	-	14	-
4.	Non Interlocked station	-	01	-
	Total	91	15	02

2.0 INTERLOCKING ARRANGEMENTS AT STATIONS:

<u>SN</u>	<u>Details</u>	<u>No. of Stations</u>		
		<u>BG</u>	<u>MG</u>	<u>MG/BG</u>
1.	Interlocked to Standard III	47	-	-
2.	Interlocked to Std. I with Std.III Equipment	02	-	-
3.	Interlocked to Std. II R	42	-	02
4.	Interlocked to Standard I	-	04	-
5.	Modified Non Interlocked (MNI)	-	10	-
6.	Non Interlocked station	-	01	-
	Total	91	15	02

North Eastern Railway

3.0 BLOCK WORKING:

<u>SN</u>	<u>Details</u>	No. of Sections	
		<u>BG</u>	<u>MG</u>
1.	Token-less Block working	32	-
2.	Block working with Token	-	15
3.	One Train Only System	-	01
4.	Block working By Continuous Track Circuit	06	-
5.	Block working By Lock & Block instrument	33	-
6.	Block Working by BPAC with UFSBI	28	-

4.0 CLASS OF STATION:

<u>SN</u>	<u>Details</u>	No. of Stations		
		<u>BG</u>	<u>MG</u>	<u>MG/BG</u>
1.	Class 'A'	-	-	-
2.	Class 'B'	90	14	0 2
3.	Class 'C'	-	-	-
4.	Class 'Spl'	01	01	-
	Total	91	15	0 2

North Eastern Railway

SIGNAL & TELECOM DEPARTMENT: AT A GLANCE

Signalling Installation (BG)				
Section/Station	No. of stations	Standard of Interlocking	EI/PI/RRI/ Lever frame	Signalling
Single Line				
Nakaha Jungle-Camperganj	4	Std.-III	PI	Multiple Aspect Colour Light
Laxmipur-Nautanva	2	Std.-III	PI	
Anandnagar-Barhny –Subhagpur	16	Std.-II(R)	PI	
Gangadham -Bahraich	6	Std.-II(R)	PI	
Tikri	1	Std.-II(R)	EI	
Katra	1	Std.-III	PI	
Sudhiamau-Tahseel Fatehpur, Mahmudabad-Biswan & Parsendi	6	Std.-III	PI	
Paintipur,Ramaipur,Tappa Khajuria	3	Std.-II(R)	PI	
Gomtinagar	1	Std.-II(R)	PI	
Badshahnagar	1	Std.-III	PI	
Block Hut A	1	Std.-II(R)	EI	
Lucknow	1	Std I	PI	
Daliganj-Mailani	13	Std.-II(R)	EI	
Double Line				
Gorakhpur Cantt	1	Std-III	PI	Multiple Aspect Colour Light
Gorakhpur(Twin Single line)	1	Std.-I	RRI	
Domingarh-Gonda –Janhageerabad Raj	32	Std-III	PI	
Daliganj-Aishbagh	3	Std IIR	EI	

North Eastern Railway

Nature of Block Working (BG)			
Block working	No of Section	Block working	No of Section
Token less block instruments		Double Line Block Instrument	
Gorakhpur Cantt-Unaaula(Daido)	1	Kusumhi – Gorakhpur Cant	1
Gorakhpur- Nakaha Jungle (Diado)	1	Domingarh-Gonda	21
Laxmipur – Nautanva	1	Gonda-Barabanki	11
Anandnagar-Barhny (Diado)	7	Indermediate Block section (IBS)	
Barhny -Itiathok	7	Sahjanwa-Maghar	1
Itiathok – Gonda (Diado)	2	Maghar-Khalilabad	1
Sitapur -Budhwal (Diado)	10	Goindnagar-Tinich	1
Daliganj- Badshahnagar(Daido)	1	Tinich-Gaur	1
Block Hut-Manaknagar(Daido)	1	Baruachak-Gonda	1
Katra-Ayodhya(Daido)	1	Gonda Kachhari-Maijapur	1
Continuous Track Circuit		Maijapur _Colonalganj	1
Gorakhpur Cantt-Gorakhpur (Twin Single Line)	1	Sarju-Jarwal Road	1
Gorakhpur-Domingargh (Twin Single Line)	1	Budhwal-Bindaaura	1
Daliganj-Lucknow	3	Jahangeerabad Raj-Barabanki	1
Lucknow-Block Hut A	1		
UFSBI block section (Block working)			
Nakaha Jungle-Laxmipur	5		
Gonda-Bahraich	6		
Mankapur-Katra	2		
Malhore-Badshahnagar	2		
Daliganj-Sitapur -Mailani	13		

II. TELECOMMUNICATION :

- 1. Section Control** = 3 Boards
LJN – GD & GD - STP
GD – GKC & MUR - AY
GD – GKP (Loop), GD – NNP, MLN – NNP &
DAL – STP - MLN

 - 2. 6 Quad Cable** = 1133.61 R/Km
153.10 (GD-GKC)
126.00 (LJN-GD)
96.46 (SCC-BUW)
44.94 (KEA-MUR-AY)
86.00 (DAL-STP)
99.31 (STP-MLN)
81.93 (GKP-ANDN-NTV)
140.55 (ANDN-BNY-BLP)
39.44 (BLP-GD)
170.20 (MLN-NNP)
95.66 (GD-NNP)

 - 3. Optical fiber section and stations** = 91 station
924.00 Km

(GD-GKC)	153.10
LJN-GD	126.00
SCC-BUW	96.46
KEA-MUR-AY	44.94
DAL-STP	86.00
STP-MLN	99.31
GKP-ANDN-NTV	81.93
ANDN-BNY-BLP	140.55
MLN-NNP	170.20
GD-NNP	95.66
-

III. PASSENGER AMENITIES:

1. Non Rail head Locations (only PRS) = 10 Locations
 2. PRS = 27 Stations
 3. UTS = 107 Station
 4. P.A System provided at Rly. Stations = 66 Station
 5. Digital Clocks = 67 Station
LJN, GKP, BST, GD, KLD, BNZ, ASH, LMP, MUR, STP, MSW, CLJ, JLD, BUW, DAL, LC, BVN, MMB, SDAM, TSF, PJ, ANDN, NTV, NUH, SOT, BNY, TLR, PDR, NNP, HA, SD, MBP, BRK, PLK, DMG, SWA, MHH, MND, GOVR, TH, GAUR, SNC, KEA, GDK, GHT, CKG, JBR, TKUR, PSN, SYU, RAMR, PPE, JKNI, SUBR, CLW, KB, KMP, AA BKT & GTNR
 6. Auto Announcement system = 28 Station
LJN, GKP, BST, GD, KLD, BNZ, ASH, MUR, STP, GKC, BV, CLJ, BUW, DAL, LC, BVN, MMB, ANDN, NTV, NUH, SOT, BNY, TLR, DMG, SWA, KEA, BLP & GTNR
 7. Train Display Board LED Type = 27 Station
LJN, GKP, BST, GD, KLD, BNZ, ASH, MUR, STP, GKC, BV, SWA, CLJ, BUW, DAL, LC, BVN, MMB, ANDN, NTV, NUH, SOT, BNY, TLR, DMG, BLP & GTNR
 8. Single Line Double Face Train Indication Board = 16 Stations
LJN, GKP, BST, GD, KLD, BNZ, ASH, MUR, STP, GKC, DAL, LC, NUH, DMG, BLP & GTRN
 9. Train Indication Board (Five Lines) = 07 Stations
LJN, GKP, GD, ASH, DAL, LC & GTNR
 10. Connectivity provided for NTES = 27 Station
 11. Coach Guidance System = 10 Station
LJN, GKP, KLD, BST, MUR, GD, BNZ, ASH, LC & STP
 12. Free WI-FI at Station = 92 Station
 13. Passenger Operated Enquiry Terminal (POET) = 09 Station
LJN, GKP, GD, BNZ, MUR, GKC, LC, BNY & GTNR
 14. WI-FI at Administrative buildings = 01 (DRM Office/LJN)
 15. Integrated Security System = 02 Station
LJN & GKP
 16. CCTV at stations = 08 Station
LJN, GKP, KLD, BST, MUR, GD, BNZ & STP
-

North Eastern Railway

पूर्वोत्तर रेलवे

17.CCTV Control Room

LJN, GKP & DRM/OFFICE/LJN

18.Video Wall

LJN & GKP

19.Digital Museum

20.LJN & GKP

21.Electronic Exchange

Lucknow Division

लखनऊ मण्डल

= 03 Nos.

= 02 Stations

= 02 Stations

= 08 Nos.

DRM/OFFICE/LJN, B.BAGH, LJN, ASH, BNZ, GD, STP & MLN

