

## North Eastern Railway

### SIGNAL & TELECOM DEPARTMENT: AT A GLANCE

1	Details Of Interlocking	No. of station
1.1	RRI	2(GKP & GD)
1.2	Panel Interlocking	68(GKC,DMG-BRCK,GDK-JBR,GTNR-LJN,KEA,JEA-ANDN-LIR, BNY-SUBR,GADM-BRK,SDAM-SYU)
1.3	Electronic Interlocking	23[17(Block Hut A,ASH-STP-MLN-MEDHA MAKE) + 6 (NTV,TRE,TKUR,PSN,RMAR,BVN -KYOSAN MAKE)
	<b>Total stations</b>	<b>93</b>
2	Provision of Axle counter	91 Block Sections [62 Set SSDAC(GGTronics make) + 08 Set SSDAC(CEL make)+ 06 Set SSDAC(Eldyne make)m+38 Set HASSDAC(GGTronics make) ) +34 Set HASSDAC(CEL make)] +12 Track Circuits [05 Set GGtronics make + 05 Set CEL make + 01 Set HASSDAC CEL make+01 Set MSDAC CEL make ]
3	Provision of IPS	93 Stations(Amar Raja Make-68 nos., StatCon Make-28 nos., HBL Make-23 nos.)+ 10 IBS(HBL Make) + 08 LC Gate ( 3 HBL+4 Statcon+1 Amar Raja)
4	Provision of Data logger	93 Stations(Efftronics Make)+10 IBS+RTU at 09 LC Gate
5	Provision of UBSBI	Total 43 Block Section [34 Block Section(Deltron Make) + 10 Block Section(Webfil make )]
6	Total no of IBS	10 IBS

# North Eastern Railway

## ✚ SIGNALLING ARRANGEMENTS AT STATIONS

SN.	Details	No. of Stations		
		BG	MG	MG/BG
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	
	<b>Total</b>	<b>91</b>	<b>15</b>	<b>02</b>

## ✚ INTERLOCKING ARRANGEMENTS AT STATIONS

S.No.	Details	No. of Stations		
		BG	MG	MG/BG
1.	Interlocked to Standard III	43	-	-
2.	Interlocked to Std. I with Std.III Equipment	02	-	-
3.	Interlocked to Std. II R	44	-	02(BRK&MLN)
4.	Interlocked to Standard I	-	04	-
5.	Modified Non Interlocked (MNI)	-	10	-
6.	Non Interlocked station	-	01	-
	<b>Total</b>	<b>91</b>	<b>15</b>	<b>02</b>

## ✚ BLOCK WORKING

S.No.	Details	No. of Sections	
		BG	MG
1.	Token-less Block working	26	-
2.	Block working with Token	-	15
3.	One Train Only System	-	01
4.	Block working By Continuous Track Circuit	6	-
5.	Block working By Lock & Block instrument	33	-
6.	Block Working by BPAC with UFSBI	34	-

## ✚ CLASS OF STATION

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

---

## North Eastern Railway

### LEVEL CROSSING GATES(Class wise)

Class	Interlocking provided (Nos.)
“Spl” class	62
‘A’ class	37
B Class	09
‘B1’ class	13
‘B2’ class	28
‘C’ class	65
<b>Total</b>	<b>214</b>

### LEVEL CROSSING GATES(Detail)

Description	(Nos.)
Total Interlocked Gate	214
Total Traffic Gate	122
Total Engg gate	92
Mechanical Gate	98
LC Gate provided with ELB	116
LC Gate provided with Slide boom barrier	170

---

## North Eastern Railway

<b>Signalling Installation (BG)</b>				
<b>Section/Station</b>	<b>No. of stations</b>	<b>Standard of Interlocking</b>	<b>EI/PI/RR/RI/ Lever frame</b>	<b>Signalling</b>
<b>Single Line</b>				
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	
<b>Double Line</b>				
Gorakhpur Cantt	1	Std-III	PI	Multiple Aspect Colour Light
Gorakhpur(Twin Single line)	1	Std.-I	RR/RI	
Domingarh-Gonda –Janhageerabad Raj	32	Std-III	PI	
Daliganj-Aishbagh	3	Std IIR	EI	

## North Eastern Railway

<b>Nature of Block Working (BG)</b>			
<b>Block working</b>	<b>No of Section</b>	<b>Block working</b>	<b>No of Section</b>
<b>Token less block instruments</b>		<b>Double Line Block Instrument</b>	
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	<b>Indermediate Block section (IBS)</b>	
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
<b>Continuous Track Circuit</b>		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		
<b>UFSBI block section (Block working)</b>			
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

