

SIGNAL & TELECOM

[A] ESTABLISHMENT:

S N	Items	Sanctioned Strength	Man on Roll	Vacant position	Percentage vacancies
1	Group "A" / "B"	7	7	0	00.00%
2	Group "C"				
2.1	Supervisors	117	99	18	15.38%
2.2	Artisans	484	423	61	12.60%
2.3	Other Categories	14	13	1	7.14%
3.0	Group "D"	380	254	126	33.15%
	Total	995	789	206	20.70%

[B] Infrastructure / Assets

I. WORK LOAD : As on 31.03.22*

- Total Signal Lever Unit = 396119.40
- Total Telecom Lever Unit = 291250.75

Total Lever unit = 687370.15

*Lever unit calculated at the end of each financial year

II. SIGNAL :

1. **Total no. of BG Stations -** = 117 Stations
2. **MACLS stations with Panel Interlocking** = 89 Stations
3. **MACLS stations with Electronic Interlocking** = 28 Stations
4. **Calling ON signal** = 114 Stations
5. **IBS** = 11 Locations
6. **Block Instruments**
 - ❖ Lock & Block Instrument (D.L.) = 38 Pairs
 - ❖ Daido type token less Block Instruments (S.L.) = 28 Pairs
 - ❖ Push Button type token less Block Instruments (S.L.) = 02 Pairs
 - ❖ Block panel in EI – VDU = 01 Block sec.
 - ❖ Universal Fail Safe Block Interface (S/L) = 43 Pairs
 - ❖ Universal Fail Safe Block Interface (D/L) = 09 Pair
 - ❖ Universal Fail Safe Block Interface (IBS) = 08 Pairs
7. **Points Machine -**
 - ❖ High Voltage (IRS Rotary) = 1509 Nos.
 - ❖ High Thrust (TWS) = 150 Nos.

8. LED lit Signals	=	117 Stations
9. Integrated Power Supply	=	117 Stations
10. Axle counters (For Block working)	=	200 Pairs
11. Axle counters (For Track circuiting)	=	23 Nos.
12. MSDAC (For point zone track circuiting)	=	07 Nos.

III. TELECOMMUNICATION:

1. **Section Control** = 5 Boards

ARJ – BTT & MAU – SHG & ARJ – JNU	GKC – CHPG – Main
GKC – PYNA – THE & CPR – MHC – SV	ARJ – BSB – PRRB
ARJ – CPR & IAA – PEP	

2. **6 Quad Cable** = 1192.50R/Km

82.84	(GKC – PNYA)	91.00	(THE – CI)
62.00	(ARJ – JNU)	181.00	(GKC – CHPG)
160.00	(ARJ – BSB – PRRB)	171.00	(ARJ – CPR)
100.00	(MAU – SHG)	50.86	(IAA – PEP)
28.00	(SV – THE)	125.00	(ARJ – BTT)
98.80	(CPJ – THE)	42.00	(DDA – MHC)

3. **Optical fiber section and stations** = 120 station (1287.94 Km)

23 No. (GKP – CHPG)	181.0 Km	22 No. (ARJ – CPR)	171.00Km
09 No. (GKP – PNYA)	82.84 Km	03 No. (ARJ – JNU)	66.14 Km
12 No. (CPJ – THE)	98.80 Km	05 No. (CI – MHC)	41.72 Km
04No. (SV – THE)	28.00 Km	05 No. (IAA – PEP)	50.86 Km
18 No. (BSB – BTT)	160.0 Km	07 No. (MHC – THE)	78.00 Km
10 No. (MAU – SHG)	100.0 Km	03 No. (DDA – MHC)	42.00 Km
17 No. (BSB – PRRB)	125.0 Km	01 No. (SRU – BHJ)	41.25 Km

IV.PASSENGER AMENITIES:

1. PRS = 43 (36 + 7 Post office)
2. Unified = 29 Stations
3. UTS = 119 Stations
4. Digital Clocks = 84 Stations
5. PA Systems provided at Stations = 104 Stations

6. Auto Announcement system = 52 Stations

PRRB	YFP	BLTR	CI	GOPG	PPC	CBN
GYN	MHO	LRD	CHPG	THE	CPJ	PEP
BSBS	SDT	SRU	MHC	DEOS	GH	BUI
BCY	JKN	RSR	RPV	BTT	SBZ	SIP
SRNT	DLR	AMH	DWDI	BHTR	POU	
ARJ	PPH	KRND	SQW	MW	TOI	
NDJ	MAU	EM	RTU	SV	TRJ	
GCT	IAA	CPR	DDA	MJV	HTW	

7. Coach Guidance System = 10 Stations

BSBS	DEOS	MAU	BUI	CPR	SV	BCY	GCT	AMH	BLTR
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8. Train Display Board = 38 Stations

PRRB	MHO	SV	MW	BHTR	BTT	CPJ
ARJ	GCT	YFP	BUI	SIP	AMH	CBN
CPR	SBZ	RSR	DLR	JKN	SDT	
NDJ	GH	PPC	EM	DDA	SRNT	
KRND	GYN	MBS	BSBS	BCY	SRU	
PEP	MAU	IAA	BLTR	LRD	DEOS	

9. Train Indication Board (Five Lines) = 12 Stations

BSBS	BCY	SRNT	GCT	DEOS	MAU	BUI
CPR	SV	NDJ	BLTR	AMH		

10. Single Line Double Face Train Indication Board = 12 Stations

BSBS	BCY	SRNT	GCT	DEOS	MAU	BUI
CPR	SV	MHO	PPH	BLTR		

11. Video Wall & 10 Line Train Display Board = Banaras station

12. On Line Train Reservation Charting Display Board = CPR & BSBS

13. Connectivity provided for NTES = 08 Nos.

Commercial Control	MAU	BSBS	DEOS	SV	
Operating Control	BUI	CPR			

14. Coach Guidance System = 10 Stations

BSBS	DEOS	MAU	BUI	CPR	SV	BCY	GCT	AMH	BLTR
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15. Free WI-FI at Station = 120 Stations

16. Passenger Operated Enquiry Terminal (POET) = 14 Stations

CPR	SRU	BLTR	MAU	AMH	DEOS	BTT
SV	MW	BSBS	BUI	GCT	SIP	KRND

17. CCTV at stations = 11 Stations

CPR	PRRB	GCT	BSBS	BCY	DEOS	SV
MAU	AMH	BLTR	BUI			

18. CCTV at Administrative buildings = Divisional hospital & DRM's office

19. CCTV at DEMU Shed = Aunrihar DEMU shed

20. CCTV Control Room = DRM's Office

21. WI-FI at Administrative buildings = Divisional hospital & DRM's office

22. Integrated Security System = CPR Station

23. Digital Museum = 04 Stations

AMH	MAU	CPR	BUI			
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Signal And Telecom Information

As on 26.08.2022

Signalling Installation				
Section/Station	No. of stations	Standard of Interlocking	EI/PI/RRI/Le ver frame	Signalling
Single Line				
Prayagraj Rambagh	1	Std.-I(R)	PI	Multiple Aspect Colour Light
Shahbajkuli, Gautamsthan and Daraganj,	3	Std.-II(R)	EI	
Rasra – Chilkahar (3), Thawe – Khaira (12), Mahpur, Jakhania, Piparidih, Kirihirapur, Belthra road, Salempur, Didarganj – Khurhat (9),	30		PI	
Sadat, Dullahpur, Lar road, Mau Jn, Indara Jn, Jhusi,	6	Std.-III	PI	
Dhondadih, Reoti, Suremanpur and Bakulahan	4			
Unaula – Paniyahwa, Laxmiganj – Thawe (ex)	18			
Hathua – Amlori Sarsar	2			
Double Line				
Chhpara Jn.	1	Std.-I	RRI	Multiple Aspect Colour Light
Banaras	1	Std.-II(R)	RRI	
Hardatpur – Ramnathpur	10	Std.-II(R)	EI	
Saiydpur bhitri – Gazipur city	5			
Sahatwar – Ballia – Phephna Jn. – Yusufpur	6			
Dobhi, Kerakat & Muftiganj	3	Std.-II(R)	PI	
Varanasi (ex.) - Aunrihar	5			
Chhpara Gramin	1	Std.-III	PI	
Kusumhi-Chhapra Ky.	19		PI	
Bhatni Jn and Siwan Jn.	2		RRI	

As on 26.08.2022

Nature of Block working / Media circuits			
Block working	No of Pairs	Media circuits	No of Pairs
Push Button Token less block instruments	2	Control Alignment (Railway)	
Ratanpura – Chilkahar	2	OFC	
Diado type Token less block instruments	30	Gorakhpur Cantt. – Paniyahwa	9
Unaula – Valmiki Nagar	8	Jaunpur – Aunirhar – Chhapra	26
Muftiganj – Jaunpur	1	Mau – Shahganj	10
Jhusi – Handia khas (SDC side)	3	Gorakhpur – Chhapra Gramin	23
Siwan – Thawe	3	Siwan – Thawe – Kaptanganj	16
Kaptanganj – Thawe	11	Varanasi – Bhatni	18
Chhapra kucheheri – Khaira	1	Varanasi – Prayagraj	16
Chhapra gramini – Khaira	1	Chhapra Ky. – Thawe	12
Chhapra – Gautamsthan	1	Indara – Phephna	4
Indara – Ratanpura	1	Masrakh – Duraundha	1
UFSBI in Single line	42	Quad Cable	
Mau – Indara (Twin Single Line)	2	Gorakhpur Cantt. – Paniyahwa	9
Aunrihar – Bhatni	11	Varanasi – Bhatni	18
Gazipur city – Gautam Sthan	6	Mau – Shahganj	10
Mau – Sahganj	9	Gorakhpur – Chhapra Gramin	23
Prayagraj Rambagh – Jhansi	2	Siwan – Thawe – Kaptanganj	16
Khaira – Thawe	11	Jaunpur – Aunirhar – Chhapra	26
Phephna – Chilkahar	1	Varanasi – Prayagraj	16
UFSBI in Double line	8	Chhapra Ky. – Thawe	12
Phephna – Yusufpur	3	Indara – Phephna	4
Aunrihar – Muftiganj	3	Masrakh – Duraundha	3
Ballia – Sahatwar	2	Hathua – Bathua	2
UFSBI in IBS in Double line	9	Salempur – Barahajbazar	1
UFSBI in IBS in double line	9	Electronic Exchange	8
Double Line Block Instrument	38	Prayagraj Rambagh, Varanasi, Ballia,	8
Kusumhi – Chhapra Gramin	17	Chhapra, Siwan, Bhatni, Mau and	
Varanasi (NR) –Gazipur city	10	Deoria Sadar	
Varanasi (NR) – Handiakhas	10	NTES	8
Ballia – Phephna	1	2 Control/Varanasi, Chhapra, Deoria	8
In built block instt. in EI VDU	1	Sadar, Banaras, Siwan, Mau Jn. and	
Bhiti – Handiakhas	1	Ballia	

Block working	No of Pairs	Media circuits	No of Pairs
SSBPAC section	1	EI Based IBS	5
Banaras – Lohta (NR)	1	Ballia – Phephna (SVI IBS)	1
Continuous Track Circuit	2	Madhosingh – Gyanpur (AHM IBS)	1
Chhapra – Chhapra Kachery	1	Aunrihar – Dobhi (DDNA IBS)	1
Prayagraj Rambagh – Prayagraj Jn.	1	Gyanpur road – Bhati (JGG IBS)	1
PI Based IBS	4	Chitbadagaon – Karimuddinpur (TJD IBS)	1
Noonkhar – Deoria Sadar	1		
Bhatni – Bhatpar Rani	1	Total IBS	11
Mairwa – Zeeradei	1		
Siwan – Zeeradei	1		
