

SIGNAL & TELECOM

[A] ESTABLISHMENT :

SL No.	Items	Sanctioned Strength	Man on Roll	Vacant position	Percentage vacancies
1	Group "A" / "B"	6	6	0	0.00%
2	Group "C"				
2.1	Supervisors	115	85	30	26.08%
2.2	Artisans	479	380	99	20.66%
2.3	Other Categories	21	22	-1	- 4.76%
3.0.	Group "D"	393	319	74	18.82%
Total Group "C" & "D"					
Grand Total		1014	812	202	19.92%

[B] Infrastructure / Assets

I. WORK LOAD :

As on 31.03.21*

- Total Signal Lever Unit = 387379.84
- Total Telecom Lever Unit = 597248.38
- Total Lever unit = 984628.22**

*Lever unit calculated at the end of each financial year

II. SIGNAL :

1. Total no. of BG Stations - = 120 stations
2. Panel interlocked MACLS stations - = 120 stations
3. Calling ON signal - = 112 stations
4. Block Instruments
 - ❖ Lock & Block Instrument (D.L.) = 40 pairs
 - ❖ Daido Block Instruments (S.L.) = 33 pairs
 - ❖ Universal Fail Safe Block Interface = 51 pairs
 - ❖ Universal Fail Safe Block Interface (IBS) = 08 pairs
6. Points Machine -
 - ❖ High Voltage (IRS Rotary) = 1525 Nos.
 - ❖ High Thirst Machine = 73 Nos.
7. LED lit Signals = 120 stations
8. Integrated Power Supply = 120 stations
10. Interlocked LC gates = 313 stations
11. Axle counters = 179 nos.
12. Data loggers = 120 stations



Signalling Installation				
Section/Station	No. of stations	Standard of Interlocking	EI/PI/RRI/ Lever frame	Signalling
Single Line				
Prayagraj Rambagh	1	Std.-I(R)	PI	Multiple Aspect Colour Light
Shahbajkuli, Yusufpur, Karimmudinpur and Daraganj	4	Std.-II(R)	EI	
Rasra – Chilkahar, Thawe – Khaira, Mahpur, Jakhania, Kirihirapur, Belthra road, Salempur, Didarganj – Khurhat,	26		PI	
Sadat, Dullahpur, Piparidih, Lar road, Mau Jn, Indara Jn, Jhusi – Ahimanpur,	14	Std.-III	PI	
Dhondadih and Tajpur Dehma – Gautamthan	10			
Unaula – Paniyahwa, Laxmiganj- Thawe (ex)	18			
Hathua – Amlori Sarsar, Dobhi- Muftiganj	4			
Double Line				
Chhpara Jn.	1	Std.-I	RRI	Multiple Aspect Colour Light
Manduadih	1	Std.-II(R)	RRI	
Hardatpur - Madhisingh	7	Std.-II(R)	EI	
Saiydpur bhatri – Gazipur city	5			
Ballia – Phephna	2	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	



Nature of Block Working			
Block working	No of Section	Block working	No of Section
Token less block instruments		Double Line Block Instrument	
Indara – Phephna, Dobhi – Jaunpur (Diado)	4	Kusumhi – Chhapra – Chhapra Gramin	22
Unaula – Valmiki Nagar (Diado)	8	Aunihar – Gazipur city	11
Jhusi – Gyanpur road(JGG side) (Diado)	7	Varanasi – Gyanpur road	8
Siwan – Thawe (Diado)	3	Baliia – Phephna	1
Kaptangaj – Thawe (Diado)	11	SSBPAC section	
Chhapra Ky. – Khaira (Diado)	1	Manduadih – Lohta (NR)	1
Chhapra – Gautamsthan (Diado)	1	Continuous Track Circuit	
UFSBI block section (Block working)		Prayagraj Rambagh – Prayagraj	1
Mau – Indara (Twin Single Line)	1	Chhapra – Chhapra Kachery	1
Aunihar – Bhatni	12	Intermediate Block section (IBS)	
Aunihar – Gautam Sthan	14	Noonkhar – Deoria Sadar	1
Aunihar – Dobhi – Jaunpur	1	Bhatni – Bhatpar Rani	1
Mau – Sahganj	10	Mairwa – Zeeradei	1
Prayagraj Rambagh – Jhunsi	2	Siwan – Zeeradei	1
Khaira – Thawe	11	Ballia – Phephna (SVI IBS)	1
		Madhosingh – Gyanpur (AHM IBS)	1



III. TELECOMMUNICATION :

1. Section Control = 5 Boards

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

2. 6 Quad Cable = 1192.50 R/Km

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

3. Optical fiber section and stations = 122 station

23 No. (GKP - CHPG)	181.00 Km	= 1246.69 Km
09 No. (GKC - PNYA)	82.84 Km	
12 No. (CPJ - THE)	98.80 Km	
04 No. (SV - THE)	28.00 Km	
18 No. (BSB - BTT)	160.00 Km	
10 No. (MAU - SHG)	100.00 Km	
17 No. (BSB - PRRB)	125.00 Km	
22 No. (ARJ - CPR)	171.00 Km	
03 No. (ARJ - JNU)	66.14 Km	
05 No. (CI-MHC)	41.72 Km	
05 No. (IAA-PEP)	50.86 Km	
07 No. (MHC-THE)	78.00 Km	
03 No. (DDA-MHC)	42.00 Km	



IV. PASSENGER AMENITIES :

1. **PRS** = 73 stations
2. **UTS** = 120 stations
3. **P.A System provided at Rly. Stations** = 81 stations
4. **Digital Clocks** = 56 stations

PRRB	DRGJ	JI	HDK	GYN	KFK	MBS
MUV	SRU	STW	SRNT	BCY	ARJ	MHO
PPH	MAU	IAA	BLTR	LRD	CC	NDJ
GCT	SBK	YFP	CBN	PEP	SVI	BUI
KMDR	SIP	CI	CPR	SV	MW	BTT
BHTR	DEOS	BALR	GB	SANR	RSR	AMH
KRND	HTW	THE	GOPG	POU	SBZ	CPJ
KHM	DLR	MHC	RPV	SQW	RTU	MJV

5. **Auto Announcement system** = 50 stations

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

6. **Train Display Board** = 36 stations

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

7. **Five Lines Train Indication Board** = 11 Stations

MUV	BCY	SRNT	GCT	DEOS	MAU	BUI
CPR	SV	NDJ	BLTR			



- 8. Single Line Double Face Train Indication Board Indication Board** = 12 Stations
- MUV BCY SRNT GCT DEOS MAU BUI
CPR SV MHO PPH BLTR
- 9. Ten Line Train Indication Board** = MUV Station
- 10. Video Wall** = MUV Station
- 11. Connectivity provided for NTES** = 08 Nos.
- Commercial Control MAU MUV DEOS SV
Operating Control BUI CPR
- 12. Coach Guidance System** = 10 Stations
- MUV DEOS MAU BUI CPR SV BCY
GCT AMH BLTR
- 13. Free WI-FI at Station** = 120 Stations
- 14. Passenger Operated Enquiry Terminal (POET)** = 14 Stations
- CPR SRU BLTR MAU AMH DEOS BTT SV
MW MUV BUI GCT SIP KRND
- 13. WI-FI at Administrative buildings** = Divisional hospital & DRM's office
- 14. Integrated Security System** = CPR station
- 15. CCTV at stations** = 11 Stations
- 16. CCTV Control Room** = DRM's office
- 17. Video Wall** = Manduadih station
- 18. Digital Museum** = 04 Stations
- AMH MAU CPR BUI
- 19. Electronic Exchange** = 08 Stations
- PRRB BSB BUI CPR SV BTT MAU DEOS



20. Thermal Buffet Camera = 03 Locations

MUV CPR DRM's Office administrative building

21. Connectivity provided for NTES = 08 Nos.

Commercial Control MAU MUV DEOS SV
Operating Control BUI CPR

