



SIGNAL & TELECOM

AGRA Division





Signaling Infrastructure

AGC Division

Route	Section	Route Km	No. of Stations	Block working	RRI/ PI	EI	Std of interlocking	Interlocked Gates
A	AGC-MTJ	53.80	07Stns+ 10end cabins+ 09LSCs+ 10RHs	Automatic + Absolute	0	07Stns+10end cabins+09 LSCs	4 th	15
	MTJ-PWL	83.40	09Stns+ 20end cabins+ 20LSCs+ 05RHs	Automatic + Absolute	0	09Stns+ 20end cabins+ 20 LSCs	4 th	20
	AGC-DHO	53	04Stns+ 08end cabins+ 03 IBHs + 11 LSCs	IBH + Automatic	0	04Stns+ 08end cabins+ 11 LSCs	3 rd / 4 th	16
B	AF-BKI	148.5	18Stns	Absolute	13Stns	05Stns	1 st / 2 nd	29
D Spl	JAB-TDL	20.36	04Stns+ 02end cabins(RH) + 04 LSCs	Automatic	0	04Stns+ 02end cabins(RH) + 04 LSCs	3 rd	02
	MTJ-AH	35.0	02Stns	Absolute	2Stns	0	2 nd	03
D	PTLI-BXN	107.18	07Stns	Absolute	3Stns	4Stns	3 rd /2 nd	13
E	MTJ-AWR	123.35	14Stns	Absolute	0	14Stns	2 nd	09
	JAB-RKM	4.30	01Stn	Absolute	0	01Stn	2 nd	0
	BHA-ETW	114.7	05Stns	Absolute	01Stn	04Stns	2 nd	01
	Total	743.79	71 Stns+ 40 End cabins+ 44 LSCs+ 15 RHs+ 03 IBHs	Automatic + Absolute + IBH	19 Stns	52 Stns+ 40 End cabins+ 44 LSCs		108



Telecom Infrastructure

SN	Items	Total
1	OPTICAL FIBER CABLE	828 KM
2	QUAD CABLE	840 KM
3	MTRC	190 KM
4	TELEPHONE EXCHANGE	11 Nos
5	COACH GUIDANCE SYSTEM	07 stations
6	TRAIN DISPLAY BOARD	11 stations
7	PA SYSTEM	All Stations
8	CCTV(SEcurity)	05 Stations
9	WI-FI	All Stations except MGKP and SHGN
10	PLATFORM CLOCKS	All Stations
11	VSAT	NIL



Passenger Amenities

Sr. No.	Description of Amenities	Section	Total No. of stations	Name of Station
1	Computerized PA System	DHO-PWL	20	DHO, BHA, MIA, JJ, BFP, RNKA, FAR, BAD, VRBD, CHJ, SHLK, KSV, HDL, AGC, RKM, MTJ, BTSR, RDE, KXM, AJH
		TDL-BKI	5	AF, IDH, AH, NBI, MURD
		IDH-BXN	2	FTS, KLB
		MTJ-AWR	2	GDO, GVH
		BHA-ETW	1	FAB
2	Coach guidance system	DHO-PWL	5	DHO, AGC, MTJ, RKM, KSV
		TDL-BKI	2	AF, MURD
3	Conventional PA System	DHO-PWL	21	All stations, and BDB
		IDH-BXN	7	All stations
		MTJ-AH	2	BSA, PRK
		MTJ-AWR	14	All stations
		TDL-BKI	22	All stations, and AGA
		BHA-ETW	5	All stations
4	CCTV (VSS System)		5	RKM, AGC, MTJ, KSV, AF
5	Digital clocks/Clocks	DIVISION	71	All Stations
6	LCD TIDBs	DHO-PWL	2	AGC, MTJ
7	Train Display board	DHO-PWL	5	DHO, AGC, RKM, MTJ, KSV
		TDL-BKI	2	AF, MURD
		IDH-BXN	2	IDH, FTS
		BHA-ETW	1	FAB
		MTJ-AWR	1	GDO
8	PRS/UTS	DIVISION	69	All stations except BARS and MGKP
9	Wi-Fi System	DIVISION	69	All stations except SHGN, MGKP



Telephone Exchanges

Sr. No.	Station	Year of Installation	Type of Exchange	Capacity	Total No. in use
1.	AGC	2024	Asterisk based VoIP	1500	1100
2.	AGC	2006	Ericsson BP 250 Intercom	256	124
3.	DHO	2024	Asterisk Based VoIP	96	40
4.	AF	2024	Asterisk Based VoIP	96	60
5.	AH	2018	CORAL	128	35
6.	BAD	2017	CLIXXO	512	24
7.	MTJ	2024	Asterisk Based VoIP	384	270
8.	KSV	2018	CORAL DX 2000	256	40
9.	IDH	2018	CORAL	128	50
10.	NDLS	2010	NIFTY (Intercom)	32	10
11.	BINR	2018	CORAL DX2000	256	06



Telecom Control Circuits

S. No.	Section	Media
1	DHO-AGC	OFC
2	AGC-FAR	OFC
3	IDH-BXN	OFC
4	BHA-UDMR	OFC
5	MTJ-FAR	OFC
6	MTJ-PWL	OFC
7	MTJ-AWR	OFC
8	MTJ-AH	OFC



2020-21 Achievements

SN	ITEM	UNIT	2020-21	REMARK
1	Reduction in Signal failures	%	5%	38% reduction
2	Electronic Interlocking	Stations	4	CHJ, KSV, HDL, SHGN
3	Auto EI commissioning	Block section	1	KSV-HDL
4	Interlocking of LC gates	LC Gates	4	LC- 482, 37, 39, 39
5	Conversion of MOLB to EOLB	LC Gates	20	LC-10, 83, 15, 11, 69, 60, 68, 82, 39, 9, 8A, 482, 37, 57, 31, 74, 43, 40, 39, 20
6	Dual detection for axle counter	Tracks/Block section	46	29 block sections 17 tracks
7	Replacement of Block Instrument	Block section	18	4 Token B/I 12 DIADO B/I
8	In-house logic alteration	Stations	3	SSDT, FAB, HAB
9	Conversion of Warm to Hot stand by	Stations	3	ETUE, KBP, CHLR
10	Newly introduced station	Stations	1	SHGN



2021-22 Achievements

S N	ITEM	UNIT	2021-22	REMARK
1	Elimination of Mechanical Interlocking	Stns	1	BAAD Goods
2	Electronic Interlocking	Stations	07	MIA, JJ, BHA, FAR,BTSR,VRBD,AJH
3	Auto EI commissioning	Block section	03	HDL-SHLK ,CHJ-AJH& CHJ-KSV
4	Interlocking of LC gates	LC Gates	03	LC-466, 467, 524B
5	Conversion of MOLB to EOLB	LC Gates	03	LC-6, 12, 474
6	Dual detection by MSDAC	Yards/Block section	06/05	MIA, JJ, BHA, FAR, BAAD Goods, ETUE stns HDL-SHLK, CHJ-KSV, AJH-CHJ, BHA-JJ, JJ-MIA, MIA-DHO
7	Replacement of Block Instrument	Block section	11	22 nos in 11 block sections
8	CCTV cameras	Nos	78	RKM, MTJ-PWL, RKM-AGC, MTJ-AWR, MTJ-AH sections
9	Fire detection and Alarm system	Locations	25	Including End cabins



2022-23 Achievements

SN	ITEM	UNIT	2022-23	REMARK
1	Reduction in Signal failures	%	5%	10.02 %
2	Completion of 4 th line work	Km	27.8 Km	CHJ to BTSR in MTJ-PWL
3	Yard Remodelling	Stns	01	GOS
4	Newly introduced station	Stations	01	Barsana (BARS)
5	Electronic Interlocking	Stations	04	BAAD, BFP, RNKA, KXM
6	Auto EI commissioning	Block section	05	AJH-VRBD, BTSR-VRBD, KXM-FAR, FAR-BAD, SHLK-RDE
7	Dual detection by MSDAC	Yards/Block section	06/04	BFP, RNKA, KXM, BAD M/L, CHLR, IDH
8	OFC commissioning	Km	85	DHO-SRMT NG section
9	Wi-Fi	Stn	04	Provided in complete division
10	Closing of LC Gates	Nos	06	LC- 25, 26, 19, 70, 520, 531
11	Fire detection and Alarm system	Stns	04	RNKA, BFP, KXM, BAD
12	CCTV	Stns	19	Including Relay room & SM room



2023-24 Achievements

SN	ITEM	UNIT	2023-24	REMARK
1	New Automatic Signalling	Block sections	03	AGC-BHA, BHA-JJ, JJ-MIA (39.98Km)
2	Elimination of Mechanical Goods Yard	Stn	01	Mathura Goods cabin
3	Electronic Interlocking	Stations	02	MTJ +AH Junction cabin
4	Auto EI commissioning	Block section	05	RDE-PWL, BAD-MTJ, JJ-BHA, BHA-AGC, JJ-MIA
5	Dual detection by MSDAC	Yards/Block section	06/05	NJPC, CHJ, RDE, VRBD,AJH RDE-PWL, BHA-AGC, BAD-MTJ, BHA-JJ, MTJ, JJ-MIA
6	Interlocking of LC Gates	Nos	04	LC- 21, 07, 478, 486
7	Fire detection and Alarm system	No's	138	All OFC huts and remaining Relay rooms
8	EI/PI alterations	Stns	13	AH, BAD, AGC, VRBD, RDE, FAB, BHA, JJ, HAB, MIA, KXM, FAR, BTSR
9	Closing of LC Gates	Nos	05	LC- 54, 55, 564, 561, 11



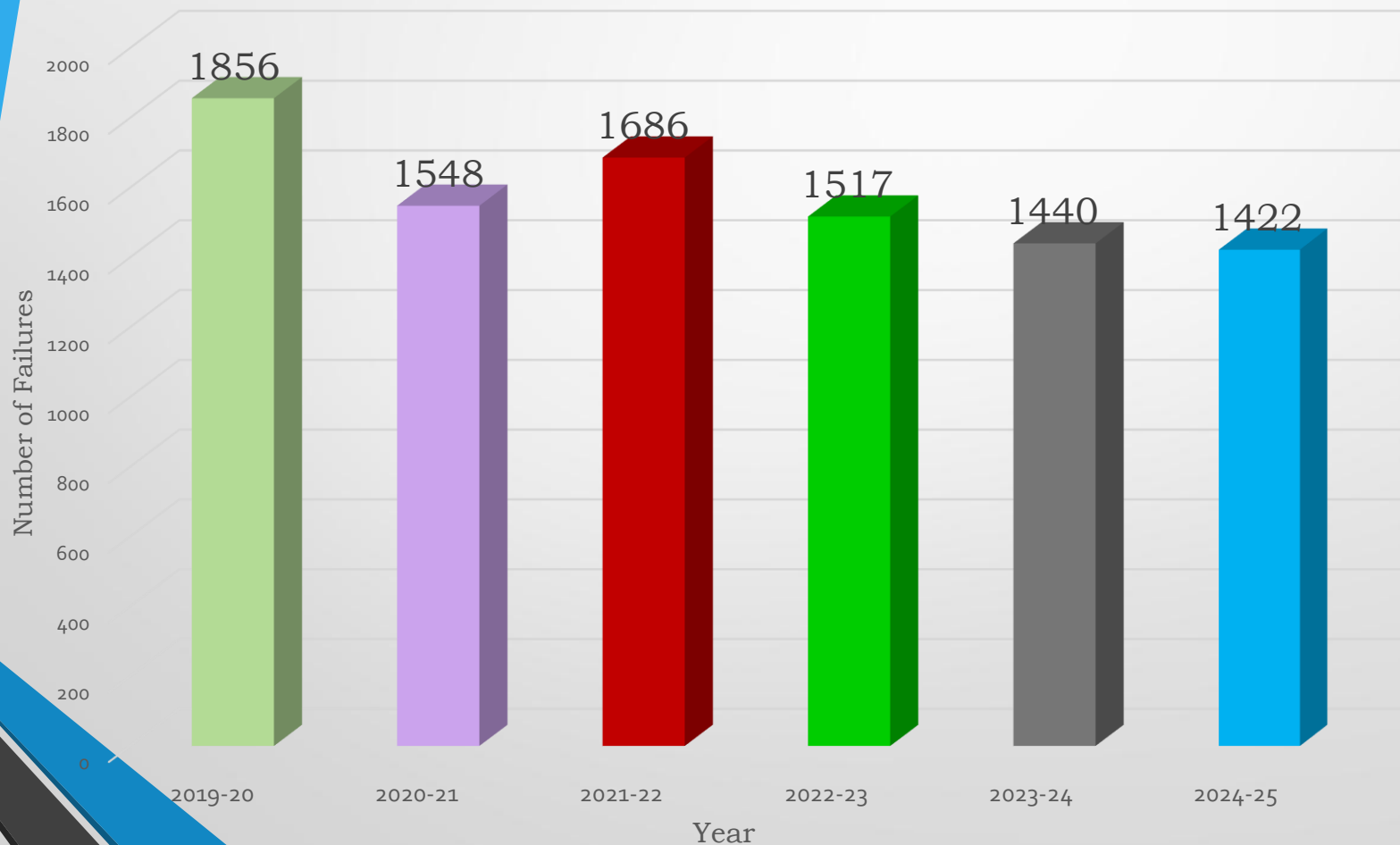
2024-25 Achievements

SN	ITEM	UNIT	2024-25	REMARK
1	Electronic Interlocking	Stations	08	AF, JAB, KBP, DHO, PTLI, MIQ, KLB, FTS
2	Replacement of Panel interlocking to Electronic Interlocking	Stations	06	AF, DHO, PTLI, MIQ, KLB, FTS
3	Automatic Signaling	Km	33.35	MIA-DHO, TDL-CHLR
4	Dual detection by MSDAC	Yards/Block section	14	HDL, AF, JAB, DHO, DHO-MIA M/L, SHLK, ETUE-TDL, MIQ, PTLI, KLB, FTS, ETUE-KBP, KBP-CHLR, EUE-MTI
5	Interlocking of LC Gates	Nos	06	LC- 13, 91, 09, 19, 23, 24
6	Fire detection and Alarm system	No's	63	S&T installations
7	EI/PI alterations	Stns/LSCs	14	VRBD, BCP, MIA, DHO, BAD, ETUE, PTLI, SHLK, AJH, HDL, CHJ, CHLR, KBP, LSC13
8	Closing of LC Gates	Nos	11	LC- 517, 524, 525, 533, 108, 96, 68, 559, 544, 555, 558
9	Installation of IP Exchange	Stations	03	AF, MTJ, DHO



Last 6 years Signal failures as per SFR

Comparison of Signal Failures





Comparative month-wise signal incidences 2022-23, 2023-24 & 2024-25





Future and current works in Agra Division

S.N	Work	Section	Remark
1	Doubling work	AF-BKI	By Construction
2	CTC Work	DHO-PWL	NCRPU
3	TCAS Work	DHO-AGC	NCRPU
4	LTE work	Whole Division	NCRPU



ASSISTANCE REQUIRED

Sr. No.	Description of Proposal	Ref vide which proposal sent to HQ	No.of Posts
(A)	Against newly created assets		
1.	For 3 rd line in PWL – BTSR section	Agra/N/103/S&T/Creation of posts dated 18.06.2008	123
2.	MTJ-PWL 4 th line	P/Agra/EG/-17 dt. 22.12.2017	151
3.	For SSI in Agra Cantt.	Agra/S&T/P/Srijan/23/15 dt. 02.02.2015	23
Total (A)			297
(B)	As per New yardstick		
1.	For maintenance of signalling gears in MTJ-AWR section as per Rly board 's New Yard Stick dt. 16/18.08.2010	P/Agra/EG/S&T/Srijan/13 dt. 17.10.2013	138
2.	For maintenance of ignalling gears as per Rly board 's New Yard Stick dt. 16/18.08.2010	P/Agra/EG/Srijan/S&T-729/12 dt. 21.03.2012	729
3.	For maintenance of Telecom gears	Agra/N/103/S&T/Creation of posts dated 19.12.2007	90
4.	For 3 rd line in AGC-DHO section	Agra/N/Creation of post/267/MTJ-DHO IIIrd line	45
Total (B)			1002