

Major Achievements : Signal & Telecom.

Financial Year : 2021 – 22

Signalling

1. Commissioning of Mau Jn. station after removal of Scissor Crossover in line no. 3 and line no. 4 –

Signalling alteration work, related with the removal of Scissor Crossover in line no. - 3 and 4 of Mau Jn. station, in existing panel has been commissioned today on 05.04.2021 at 13:00 hrs and first train no. 04005 spl. passed successfully. This work is done in a 72 hours long NI followed by a testing block of 04 hours duration. Officers and staffs of S&T worked round the clock, in 3 shifts, observing all COVID-19 health protocols.

After completion of this removal of scissor crossover and signalling alteration work, not only speed restriction of 15 kmph is removed, but also line number 3 and 4 are now fit to accommodate longer rakes.

Commissioning of MAU Jn station



Major signaling alteration works done during NI are as following –

1. Removal of wiring of NI HOME SIGNALS, 04 no. , and reconnection of MAIN HOME SIGNALS towards PPH, IAA (twin single lines) and KRT sides.
2. 950 nos. additional wires inserted on existing relay fingers.
3. Removal of 243 nos. relays from circuit.
4. Total 2688 nos. fingers inserted and alteration in 24 nos. Domino in the existing panel.
5. Testing of all 158 routes along with 108 nos. altered routes.

2. Interlocking of LC Gates : - (01 LC gate)

Interlocking of following LC gates have been done in the month with the provision ELB, Slider boom, Mini IPS at gate lodge, Remote Terminal unit protected by LED lit aspect colour light signal in the division : -

SN	LC Nos.	KM No.	Section	Phone connected to	Date of Interlocking	Up graded to	ELB, Slider, Mini IPS & RTU Provided	60 Seconds Timer Provided	Cabling (In Kilometres)	Provision of LED lit Signals
1	2C	3/1-2	ARJ-DHE	ARJ	20.06.21	Spl.	Yes	Yes	12.0 KM	Yes

3. Provision of Slider Boom at LC Gates : - (06 LC Gates)

Commissioning of Slider boom at following 06 nos. LC gates to cut short the restoration time to zero in event of main boom of gate broken. Slider boom serves the purpose as an additional boom with same interlocking. This saves detention to traffic : -

SN	LC no.	KM No.	Station/Section	Date of Commissioning
1.	34 'C'	316/7-8	Khadda yard	03.04.2021
2.	35 'C'	315/7-8	Khadda yard	03.04.2021
3.	31 'A1' B2	321/4-5	Khadda – Siswanbazar sec.	03.04.2021
4.	2 Spl.	3/1-2	Aunihar – Dobhi sec.	20.06.2021
5.	150C	486/2-3	Sardarnagar yard	09.06.2021
6.	117B2	435/6-7	Bhatni Jn. yard	23.06.2021
Total 06 nos. LC gate				

With this, **06 nos. LC gates** have been provided with Slider boom till date during the current financial year 2021-22.

4. Provision of Electric Lifting Barrier at LC Gates : - (05 LC Gates)

Provision of Electric Lifting Barrier at the following 05 nos. level crossings have been done to facilitate operation of gate by electric –

SN	LC no.	KM No.	Station/Section	Date of Commissioning
1.	34 'C'	316/7-8	Khadda yard	03.04.2021
2.	35 'C'	315/7-8	Khadda yard	03.04.2021
3.	2 Spl.	3/1-2	Aunihar – Dobhi sec.	20.06.2021
4.	150C	486/2-3	Sardarnagar yard	09.06.2021
5.	117B2	435/6-7	Bhatni Jn. yard	23.06.2021
Total 05 nos. LC gate				

With this, **05 nos. LC gates** have been provided with Slider boom till date during the **current financial year 2021-22**.

5. Provision of Road User Signals : - (At 06 LC gates)

For ensuring safety of Road user, at the following 06 nos. LC gates in the division LED lit aspect Road User Signals have been provided –

SN	LC no.	KM No.	Station/Section	Date of Commissioning
1.	34 'C'	316/7-8	Khadda yard	03.04.2021
2.	35 'C'	315/7-8	Khadda yard	03.04.2021
3.	31 'A1' B2	321/4-5	Khadda-Siswanbazar sec.	03.04.2021
4.	2 Spl.	3/1-2	Aunihar – Dobhi sec.	20.06.2021
5.	150C	486/2-3	Sardarnagar yard	09.06.2021
6.	117B2	435/6-7	Bhatni Jn. yard	23.06.2021
Total 06 nos. LC gate				

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Telecommunication

1. Provision of CUG SIM – (101 nos.)

Provision of pre activated 4G VOLTE JIO SIMs for Store and TRD department done under corporate CUG scheme for Railway –

TRD – 82 nos. SIMs

Store –19 nos. SIMs
