

NEW LINES CONSTRUCTED DURING LAST THREE YEARS

State	Sl. No.	Section	KM
Bihar	i)	Chandan Sultanganj	33.29
	TOTAL		33.29
Jharkhand	i)	Deoghar - Chandan	7.71
	ii)	Hansdiha - Prayahat	16.0
	TOTAL		23.71
GRAND TOTAL			57.0

GAUGE CONVERSIONS DONE DURING LAST THREE YEARS

State	Sl. No.	Section	KM
West Bengal	i)	Barddhaman -Katwa	28.02
	ii)	Katwa-Ahmedpur	56.02
	TOTAL		84.04
GRAND TOTAL			84.04

DOUBLINGS ACHIEVED DURING LAST THREE YEARS

State	Sl. No.	Section	KM
West Bengal	i)	Tenya-Gangatikuri	14.0
	ii)	Azimaani Jn-Lalbaqh Court Road	7.25
	iii)	Maniqram- Dhulianganga	32.64
	iv)	Dankuni-Baruipara	10.0
	v)	Lalbagcourt - Khagraghat	7.0
	vi)	Khayan - Rasulpur	36
	TOTAL		106.89
Bihar	i)	Bhaqalpur- Kahalgaon	33
	TOTAL		33
GRAND TOTAL			139.89

ACHIEVEMENT MADE BY EASTERN RAILWAY IN CONSTRUCTION OF ROAD OVER BRIDGES, ROAD UNDER BRIDGES AND ELIMINATION OF LEVEL CROSSINGS DURING LAST FIVE YEARS

1. Works completed from 2016 to 2021 (in number)

Name of works	West Bengal	Bihar	Jharkhand	Total
Road Under Bridges	72	2	5	79
Road Over Bridges	15	2	3	20
Foot Over Bridges	13	2	4	19

2. Elimination of Level Crossings (Number of Elimination)

Name of works	West Bengal	Bihar	Jharkhand	Total
Manned Level Crossing	70	4	5	79
Unmanned Level Crossing	149	21	2	172*

* All Unmanned Level Crossing in Eastern Railway have been eliminated, thus removing a major safety hazard.

- 3. Majerhat Road Over Bridge:** One span of this ROB unfortunately collapsed in September, 2017. As per the decision of Government of West Bengal, entire old ROB was dismantled, Railway portion by Eastern Railway and the approaches by Public Work Departments, Govt. of West Bengal. A new 4 lane cable stayed Road Over Bridge has been constructed on the same location by Public Works Department, Govt. Of West Bengal. Eastern Railway is providing active assistance as and when requested by the State Government authority from time to time.
- 4. Tala Road Over Bridge:** The Government of West Bengal has decided to demolish the existing Tala ROB due to its condition and construct a new Road Over Bridge on the same location. It has been decided that Railway portion will be dismantled by Public Works Department, Government of West Bengal. Eastern Railway is committed to provide all assistance as requested by the Public Works Department, Government of West Bengal from time to time.

ACHIEVEMENTS MADE BY EASTERN RAILWAY IN
REHABILITATION/REBUILDING OF BRIDGES DURING LAST THREE YEARS

1. Regirdering of Early Steel Girder Bridge no.-1A (Span:-1x9.15m+1x24.4m +1x12.2m) on Sealdah Coaching Yard of Sealdah Division has been done for further enhancement of safety. In this bridge, the central span girder of 24.4m length, in NSS 10 line was an Early Steel Girder of 1882. Due to site constraints, it was not practicable to deploy either road cranes or rail cranes to complete the works. As such, by adopting an innovative technique, the work was completed by hydras and winch in a side slewing method in a mega traffic block successfully.
2. Replacement of steel girders with PSC slabs of Bridge no.-27 (Span:-9x6.76m Dn Line) at Nalhati and Azimganj section of Howrah Division has been done. Almost all the joints and members of the bottom flange, bearings, cross-bracings, and gussets were badly corroded. The condition of the bridge was deteriorating very fast. Thus replacement of girders by PSC slabs became necessary from safety point of view.
3. Regirdering of Important Bridge no.-89UP (Span:-1x12x18.3m) at SBG Loop section of Howrah Division has been done. All the girders of this bridge were non-standard type and year of construction of these girders was 1906. Cracks were developed at several stiffeners. TSR of 50 Kmph was continuing on this bridge considering the condition of girders for a long time. Due to site constraints, it was not practicable to deploy either road cranes or rail cranes to complete the works. The regirdering work has been completed successfully by side slewing method in block period. Due to the proper planning and execution of pre-block work regirdering work has been completed within the sanctioned traffic block of 9(nine) hours, (for two days)
4. Replacement of of Early Steel Girder Bridge no.-61UP (Span:-3x8.54m UP Line) at SBG Loop section of Howrah Division by PSC slabs has been done for further enhancement of safety. Almost all the joints and members of the bottom flange, bearings, cross-bracings, and gussets were badly corroded. The condition of the bridge was deteriorating very fast. Thus replacement of girders by PSC slabs became necessary from safety point of view.
5. Major strengthening of Important Bridge no.-383D [Span:-2x(3x76.3m +2x18.3m)] between New Farakka – Tildanga of Malda Division has been done for further enhancement of safety. Floor system members i.e. Cross girders, Rail bearer, Cross-bracings and gussets of this bridge were heavily corroded/pitted and thickness was also reduced at many locations. Thus strengthening of floor members of this bridge became necessary from safety point of view.