



MAHARAIL Newsletter



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Rajesh Kumar Jaiswal
Managing Director, MahaRail

MD Speaks

Level Crossings (LCs) have been the major concerns for Rail / Road accidents not only in Maharashtra but all over India. Level crossings not only generates the risk of accidents but also create inconvenience for passengers by slowing down traffic. There are approximately 2,500 level crossings in the Maharashtra State. An extensive and wide network of Railways comprising of Central, Western, South Central and South East Central Railway exists in Maharashtra. These Railway lines cross the existing road networks i.e. State Highways, National Highways, major district and village roads at many places.

Many accidents have happened in the past due to the negligent and hasty behaviour of road commuters and drivers on these level crossings. Hence, with a mission to eliminate manned and unmanned level crossing across the state, a tripartite agreement was signed between Government of Maharashtra (GOM), Ministry of Railways and Ministry of Road Transport and Highways in December 2017. Accordingly in September 2018, MRIDC has been appointed by PWD, GOM as the implementing agency for construction of ROB/RUB at various level crossing having high vehicle volume with Train Vehicle Unit (TVU) > 1 lakh. MRIDC within two years of its functioning has started physical construction of Road Over Bridges (ROBs), Road Under Bridges (RUBs) and Limited Height Subways (LHS) at 21 sites across Maharashtra. In the first phase, we plan to construct 69 ROB's across the state.

We have developed strategic plans and methodologies for fast-track constructions of ROB's/RUBs. We have created DSM (Digital Surface Model) and DEM (Digital Elevation Model) to know exact site features and ground level to avoid topographical survey. As land acquisition being the main concern for construction activity, MRIDC has designed ROB/RUB alignment within the available ROW of Railway and Road/Highways to eliminate land acquisition on most of the LCs. By doing this, MRIDC is saving lot of time and cost towards construction of ROB. All initial activities of pre-construction planning for ROB/RUB and Rail Line project works like Preparation of Drawings, Design, Tender and Contract are done by in-house teams of MRIDC. Physical construction of ROB's has already started at various LCs in Nanded, Navi Mumbai, Dondaicha, Karad, Bhusawal, Nagpur etc.

In this edition of 'MahaRail - Newsletter 2021', we would like to give you all a glimpse of ongoing ROB's/RUBs construction activities at various locations. We have showcased the construction activities of ROB's/RUBs division/location wise for easy understanding. It is our vision to eliminate Phase - I, 69 LCs within a year or two. Though the impact of COVID 19 on the infrastructure and construction sector in India has been extensive, Team MRIDC has been working on the forefront by following all the necessary guidelines and precautionary measures as suggested by GOM. We have developed strategic plans to complete the work as per the set targets.

I wish to express my gratitude to our Shareholders, Ministry of Railways, Govt. of Maharashtra, Clients, and other Regulatory Authorities/Agencies for their continuous support.



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Voice of Officials



There was a huge demand for construction of ROB at LC 290 on the State Highway 293 between Bharatwada and Kalmeshwar Railway Stations. As this Railway Line is a major route for South and North bound trains, there is heavy Rail traffic, and the LC gate is closed lot of time in a day. Thus, arising traffic congestion problem.

MRIDC has started construction of ROB a year back and the pace of work is exceptional. Launching of Girders are in progress in the PWD portion of the ROB. All work executed is with accuracy and quality control. Traffic diversion and safety arrangements are well organized at the construction site. MRIDC is very professional and are service focussed. The team is having individual effectiveness and exceptional job knowledge.

LC 290 : Kalmeshwar

Section: Amla - Nagpur **Location:** Bharatwada and Kalmeshwar Stations



This LC is located near Borgaon and is connecting Borgaon and Khandala towns. It is located between Bharatwada and Kalmeshwar stations on Nagpur - Amla section. This route has heavy Railway traffic hence, the LC gate remains closed most of the time. This leads to traffic congestion on the road connecting two towns.

Travelers have been facing a lot of issue due to the closure of LC gate. But now, as the construction of ROB is in progress by MRIDC, it will be of ease to the commuters. MRIDC has been actively working to complete the work of this ROB in the set timeline. We are hoping to see the ROB completed by the end of this year.

LC 290B : Borgaon

Section: Amla - Nagpur **Location:** Bharatwada and Kalmeshwar Stations



This LC is on the SH 352 connecting 2 important industrial towns Kalmeshwar and Katol of Nagpur District. This road crosses the Railway Line between Kalmeshwar and Kohli Stations of Nagpur Amla section of Central Railway. The traffic on this road remains affected due to the closure of LC gates from time to time. MRIDC has taken up the construction work of ROB at this LC under the Setu Bharatam scheme of Government of India. The ROB constructed by MRIDC at this location will help smooth transportation between these 2 important industrial towns. MRIDC has been effectively working on the site. We appreciate team MRIDC & Staff for the progress at this LC site and take pride in your hard work and dedication for every critical work accomplished.

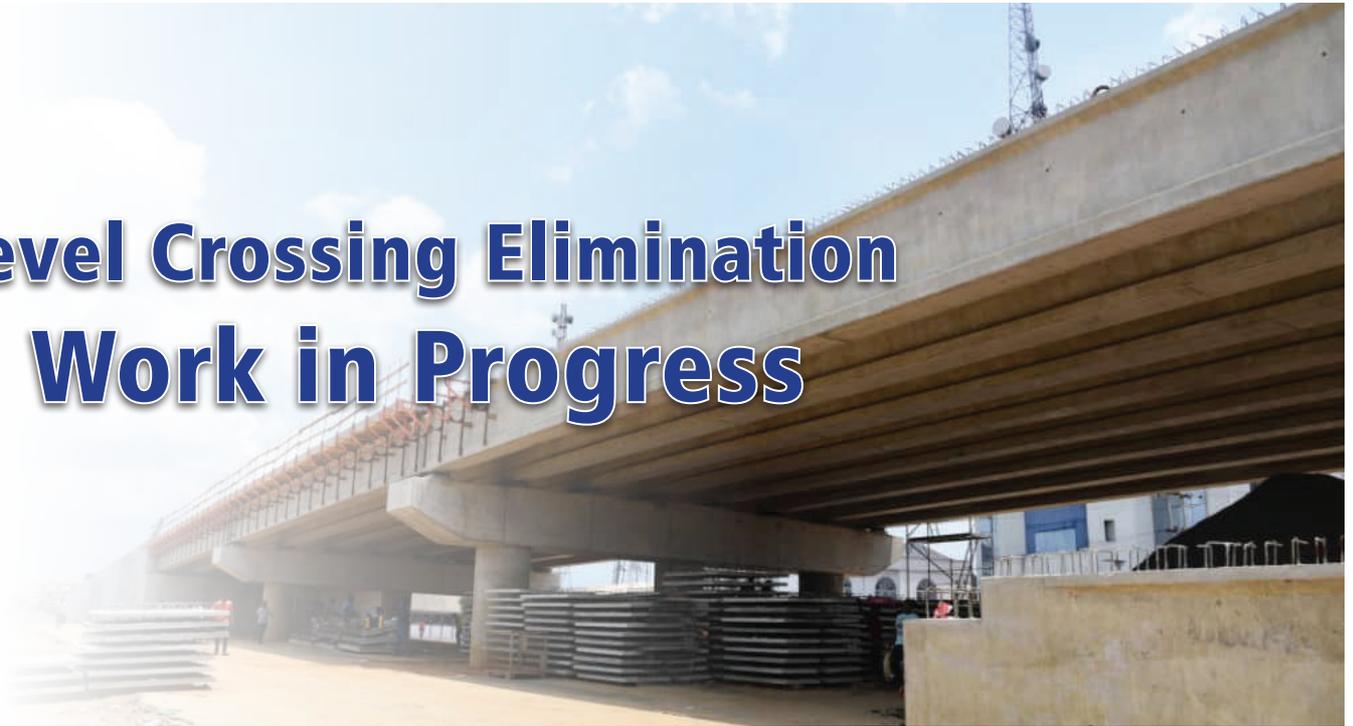
LC 288A : Kalmeshwar

Section: Amla - Nagpur **Location:** Kohli and Kamleshwar Stations



Shri Anil G Yerkade
Executive Engineer,
Public Works Division No. 2
Nagpur

Level Crossing Elimination Work in Progress



Government of Maharashtra has signed a Memorandum of Understanding (MoU) with MRIDC for implementation of all Road Over Bridges in Maharashtra state. There are total 307 ROB/RUBs to be implemented. MRIDC has devised a plan to develop these ROB/RUBs in 3 phases.

- Phase I - 69
- Phase II - 82
- Phase III - 156

Road Over Bridge (ROB) and Road Under Bridge (RUB) are being constructed for hassle free movement of Road & Rail traffic and also to improve safety at level crossings. Elimination of Level Crossings by construction of ROB/RUB & LHS (Limited Height Subway) is vital for critical Road connectivity and capacity enhancement. The Work of 69 ROB/RUBs is in progress with cost sharing basis with Railway and GOM. ROB/RUBs are being constructed along with LHS to eliminate LCs. Each ROB/RUB would be constructed in the time frame of 200 to 300 days from the date of start of work at site.

WORK IN PROGRESS

Railway Zone	No. of ROB
Central Railway	12
South Central Railway	4
Western Railway	3
South East Central Railway	2
Total	21



Turbhe ROB – P 44 Pier cap shuttering work at Arm 3

Turbhe ROB - P 14 Pier cap shuttering work at Arm 1

Total ROB in Phase I

Railway Zone	No.
Central Railway	51
South Central Railway	06
Western Railway	06
South East Central Railway	06
Total	69

Nagpur Division: ROB Work in Progress



LC 43A/143A: Concreting of 3rd lift
Route: Near Babupeth Section: Gondia - Ballharshah
Location: Between Chandrapur and Babupeth Stations / Chandra Fort - Ballharshah Stations



LC 70: Curing of Railway Pier
Route: Near Chandrapur City Section: Wardha - Badnera
Location: Near Chandur Yard Station

LC 290: Shuttering of Pier Cap
Route: Road joining to Dahegaon village
Section: Amla - Nagpur
Location: Bharatwada and Kalmeshwar Stations



LC 103: Concreting of Pier
Route: Sindi Road
Section: Amla - Nagpur
Location: Borkhedi and Sindi stations

LC 288A: P1 Pier cap concrete work
Route: Katol - Kalmeshwar Road
Section: Amla - Nagpur
Location: Kohli and Kamleshwar Stations



LC 548: Casting of RCC Girder
Route: Rewral - Nandgaon Road
Section: Nagpur - Durg
Location: Between Rewral and Tharse Stations



LC 290B: P1 Pier Cap shuttering work
Route: Borgaon Kandla Road Section: Amla - Nagpur
Location: Between Bharatwada and Kalmeshwar Stations



LC 290: Fixing of Reinforcement for Pier Cap
Route: Nagpur-Kalmeshwar Road Section: Amla - Nagpur
Location: Between Bharatwada and Kalmeshwar Stations

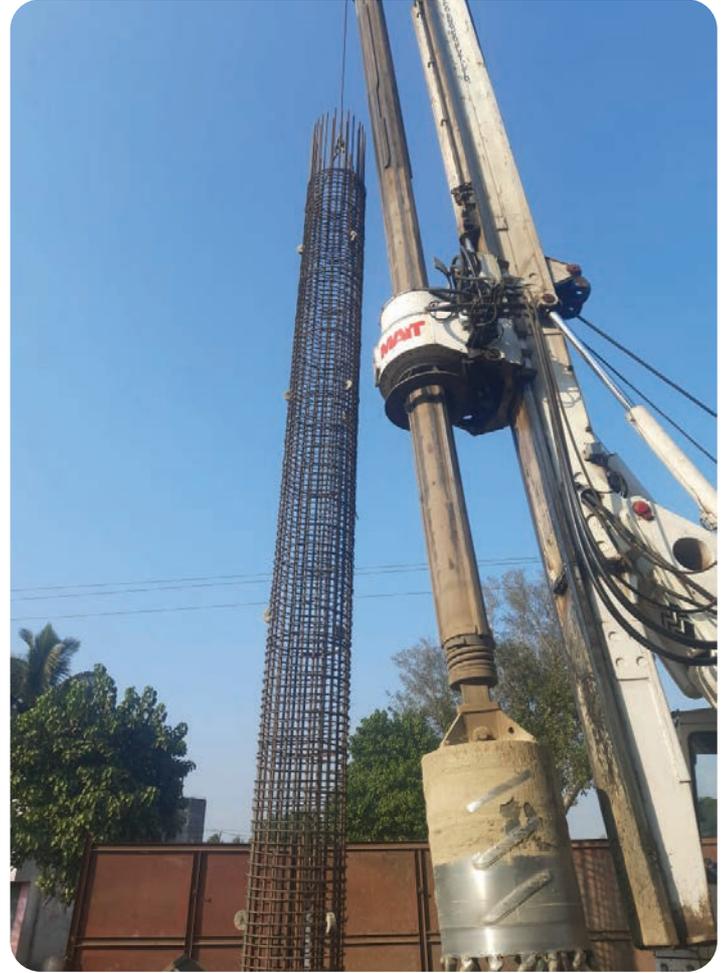


LC 559: Steel Lowering work
Route: Kanhan - Tarsa Road
Section: Nagpur - Durg
Location: Between Salwa and Kanhan Stations

Pune Division: ROB Work in Progress



LC 81: Shuttering of Pier
Route: Road Connecting Rahimatpur town
Section: Pune - Miraj
Location: Between Rahimatpur and Targaon Stations



LC 117: Pile Cap Lowering work
Route: Road connecting Sangli - Bhilavadi town
Section: Pune - Miraj
Location: Between Bhilvadi and Nandre Stations



LC 81: Pier level checking work
Route: Road Connecting Rahimatpur town
Section: Pune - Miraj
Location: Between Rahimatpur and Targaon Stations



LC 20: Level Checking of Pier and Pier Cap
Route: Ichalkaranji - Rukadi Road
Section: Miraj - Kolhapur
Location: Between Hatkangle and Rukadi Stations



LC 92: Road maintenance work
Route: Patan - Masur road
Section: Pune - Miraj
Location: Between Masur and Shiravade Stations

Nanded Division: Work in progress



LC 134A: Fixing of reinforcement for open foundation
Route: Aundha to Hatta & Purna to Palam Road
Section: Manmad - Mudkhed
Location: Between Purna and Chudawa Stations

LC 122: First lift shuttering completed & first layer coal tar epoxy coating work
Route: University Gate Section: Manmad - Mudkhed
Location: Between Parbhani and Pingali Stations



LC 144B: P13 Pedestal concreting work completed
Route: Hingoli - Nanded Highway
Section: Manmad - Mudkhed
Location: Between Hingoli Deccan and Dhamani Stations

LC 115: Retaining wall raft reinforcement
Route: Akola - Nanded Highway
Section: Manmad - Mudkhed
Location: Between Washim and Kekatumarg Stations



LC 144B: Staging of Pier Cap

LC 144B: P11 Pier Cap shuttering

LC 134A: Reinforcement work

Mumbai Division (WR): Work in Progress



LC 105: Railway Pier Cap Staging work
Route: Dondaicha City Road
Section: Udhana - Jalgaon
Location: Between Dondaicha and Vikhran Stations



LC 136: Concreting for Pier cap
Route: Amalner - Chopda Road
Section: Udhana - Jalgaon
Location: Between Amalner and Takarkhede Stations

Bhusawal Division (CR): Work in Progress



LC 112A: Railway Span Steel Girder Assembly work
Route: Sindkheda - Chimthana Road
Section: Udhana - Jalgaon
Location: Between Sonshelu and Sindkheda Stations



LC 95: Earth work activities in progress
Route: Chandori Road
Section: Igatpuri - Bhusawal
Location: Odha - Kherwadi Stations

Achievements in the year

2020

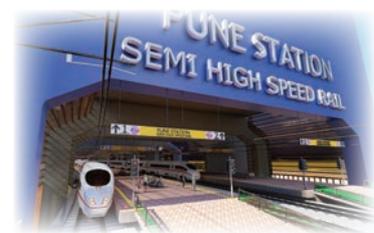
GOM to fund for the Itwari Nagbhid Gauge Conversion Project



The Maharashtra State Cabinet agreed to participate in the Gauge Conversion work of Nagpur (Itwari) – Nagbhid Railway line in the cabinet meeting held on 25.06.2020. Accordingly, Home Department, GOM has issued a Government Resolution on 30.07.2020 stating that the project will be implemented by MRIDC on Debt: Contribution Basis i.e. 60% Debt and 40% Contribution i.e. 20% each from State Government and Ministry of Railways. The work has already been started and in the next 16 months, Itwari - Nagbhid Rail Line shall be commissioned.

IPA for Construction of Pune – Nashik Semi High-Speed Railway Line

Received an In-Principle Approval (IPA) from Ministry of Railways on 02.06.2020 and approval from Central Railway on 10.02.2020 for the implementation of Pune – Nashik Semi High-Speed Railway Line. This Project will bring down travel time between two cities from present 06 hours to 01 hour 45 mins. Thus, it will facilitate the creation of Mumbai-Pune-Nashik golden triangle as an emerging economic hub.



MRIDC to Construct 12 ROB/RUB in Mumbai Sub-Urban region



Municipal Corporation of Greater Mumbai (MCGM) has signed an MOU with MRIDC on 14.07.2020 to construct 11 ROB and 1 RUB in Mumbai and sub-urban region. Considering the tremendous road traffic in a city like Mumbai, in most of the cases, MRIDC has planned to build new Cable Stayed Bridge adjacent to existing one and then demolish the existing bridge. During construction phase, the detailed plan is chalked out in such a way so that it causes almost no hindrance even to pedestrian traffic movement.

IPA for Construction of 3rd & 4th Line between Igatpuri - Manmad

Received In-Principle Approval (IPA) from Ministry of Railways on 12.05.2020 for construction of 3rd and 4th Line between Igatpuri and Manmad. This proposed line will effectively meet the objectives of relieving the main line, by offloading the anticipated freight traffic.



MRIDC has Signed Agreement to Construct 5 ROB/RUB in KDMC Area

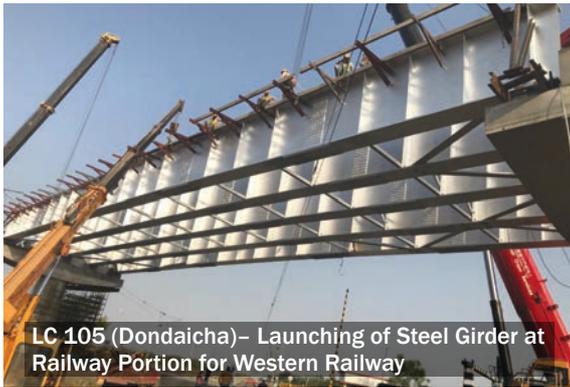


A Tripartite Agreement has been signed in January 2020 between Mumbai Metropolitan Region Development Authority (MMRDA), Maharashtra Rail Infrastructure Development Corporation Ltd. (MRIDC) and Kalyan Dombivli Municipal Corporation (KDMC) for construction of ROB / RUB across Railway Lines along the proposed Kalyan Ring Road from Hedutane Village on Katai – Badlapur Road to Titawala. Accordingly, MRIDC will be constructing ROBs at Titawala Crossing, Kalyan – Nashik Line, Diva – Vasai Line, Diva – Kalyan Line, and Vasai – JNPT DFCC Line.



MRIDC has successfully Launched Girders at various ROB construction sites in Maharashtra

LC 112A - Launching of Steel Girder at Western Railway Portion



LC 105 (Dondaicha)- Launching of Steel Girder at Railway Portion for Western Railway



LC 136 (Dondaicha)- Launching of Steel Girder at Railway Portion for Western Railway



LC 105 (Dondaicha)- Launching of Steel Girder at Railway Portion for Western Railway



LC 290 (Nagpur) - Launching of RCC Girder at PWD Portion



Turbhe ROB - Launching of RCC Girder at PWD Portion

MahaRail Updates



On 14.01.2021, Shri Rajesh Kumar Jaiswal, Managing Director, MRIDC presented Pune - Nashik Semi High-Speed Double Rail Line project to the Hon' Chief Minister Shri. Uddhavji Thackeray. Also, present during the meeting were Hon' Deputy Chief Minister, Shri Ajit Pawar; Hon' Minister of Transport, Adv. Anil Parab; Secretaries and other Senior Authorities from Government of Maharashtra.



Shri Rajesh Kumar Jaiswal, Managing Director, MRIDC had a meeting with Hon' Minister for State, Transport, Shri Satej D. Patil to discuss various Rail Line projects being implemented by MRIDC.



Shri A.K. Awasti DEN (Bridge), visited LC 112 A, construction site at Dondaicha, Western Railway on 15th and 16th March, 2021.



Shri Rajesh Kumar Jaiswal, Managing Director, MRIDC had a meeting with Hon' Minister of Revenue Shri. Balasaheb Thorat for discussion on Pune-Nashik Semi High-Speed RailLine Project at his office in Mantralaya.



Shri. Raju Bhadke, Director (Project & Planning), MRIDC inspected LC 112A, LC 105 and LC 136 on Udhana - Jalgaon section of Mumbai Division of Western Railway before the launching of Steel Girders in the Railway Portion of the construction sites. MRIDC has successfully launched Steel Girder in the Railway portion of LC 112A, 105 and 136.

