

SUCCESS STORY OF

**Construction of Minor Bridge at ch-7/300 on Kurkheda
Talegaon Palasgadh Charbhatti Dongergaon Road to
join NH-543 MDR-46 in Taluka Kurkheda District
Gadchiroli**

(NABARD XXVIII)

Region- Public Works Region, Nagpur

Circle- Public Works Circle, Gadchiroli

Division- Public Works No-1, Gadchiroli

Sub-division- Public Works Subdivision, Kurkheda

(NABARD XXVIII)



1. Background / Problem Statement

The Local Nallah intersects the Kurkheda Talegaon Palasgadh Charbhatti Dongergaon Road to join NH-543 at Moushi Village which is 7.00km away from Kurkheda Taluka. Unbridged creating a critical gap in Naxalite and tribal area connectivity that hindered the transport of milk, agricultural product, Banking Services, the daily commute of school students and effects life style of tribal peoples. To resolve this, a Bridge of 18.00 meters length was sanctioned under NABARD 28, and construction of 3 span of 6.00 m c/c and a width of 7.5 m was successfully completed on April 2025. From an engineering perspective, the structure provides durable and safe passage across the local nallah, ensuring stability and adequate width for local traffic. From a community standpoint, the bridge has transformed mobility by enabling direct access to market yards, supporting agricultural livelihoods, and providing reliable connectivity for students, thereby strengthening rural infrastructure and contributing to the socio-economic development of Kurkheda Taluka.

2. Project Overview :-

Construction of Minor Bridge at ch-7/300 on Kurkheda Talegaon Palasgadh Charbhatti Dongergaon Road to join NH-543 MDR-46 in Taluka Kurkheda District Gadchiroli

- ❖ Location Local Nallah near Moushi Village, Tal. Kurkheda and Dist. Gadchiroli.
- ❖ Implementing Agency - Public Works Department.
- ❖ Project Cost - Rs. 204.00 Lakhs.
- ❖ Time Period - 12 Months.
- ❖ Funding Source State Government NABARD Loan Assistance.
- ❖ Bridge Length 18.00 m. (3 Span of 6.00 m.).
- ❖ Bridge Carriageway Width - 7.50 m.
- ❖ Low Level Minor Bridge.
- ❖ Raft Foundation for Pier and Pile foundation for Abutment, Pier Cap, Pile Cap, Slab, Kerb, wearing Coat, Railing, B.T.Approach Road. Expansion joint, Thermoplastic Paint.

3. Challenge Faced: -

During the execution of project encountered some challenges:

- ❖ Encroachments within the riverbed posed challenges during execution.
- ❖ Maintaining construction timelines because the National Highway - 543 between Kurkheda and Gothangaon major bridge was in Progress on 2024-2025, their heavy traffic diverted to MDR-46 it was a Challenging to maintain diversion and execution of Work within specified time period.

4. Innovative Solutions / Action Taken: -

To address these challenges, the following measure was taken: -

- ❖ Adoption of advanced bridge construction technologies and modern execution methodologies.
- ❖ Continuous engagement with local communities to build trust and ensure cooperation.
- ❖ Use of high-quality, durable materials strictly in accordance with Standard Schedule of Rates (SSR).
- ❖ Implementation of comprehensive road safety measures, including signage, reflective boards, thermoplastic road markings, and protective pitching.

5. Implementation Process:-

- ❖ Planning: Detailed site investigations, technical approvals, and structured scheduling.
- ❖ Execution: Mechanized construction with strict adherence to approved timelines.
- ❖ Monitoring: Regular inspections and progress reviews to ensure quality and efficiency.
- ❖ Quality Control: Systematic testing of materials and compliance with prescribed standards.

6. Result & Impact: -

The project has delivered substantial and measurable benefits:

- ❖ Reduction in travel time by approximately 80%.
- ❖ Improved connectivity between Palasgadh, Charbhatti, Kotaldoh, and surrounding villages.
- ❖ Enhanced safety and uninterrupted access during monsoon seasons.
- ❖ Improved access to educational institutions, healthcare facilities, markets, and industrial areas, Banking Services.
- ❖ Strengthened local economy through improved transportation and trade.
- ❖ Enhanced overall riding comfort and road safety.

7. Beneficiary Feedback/Human Angle: -

“The newly constructed bridge has significantly improved & Trible people daily lives. Access to NH 543 and nearby Kurkheda & Wadsa Taluka level Market has become smooth and reliable. The reduction in travel distance and risk has brought tremendous relief to our community.”

8. Conclusion : -

The construction of the Minor Bridge across the Local Nallah at Moushi Village stands as an example of effective infrastructure development. The project has successfully addressed long-standing connectivity challenges, enhanced public safety, contributed to sustainable socio-economic growth, reliable connectivity for students and supporting agricultural livelihoods. Its successful execution demonstrates a replicable model for Trible, Naxalite and rural infrastructure development in Kurkheda Taluka.



Site visit of Hon. Superintendent Engineer & Executive Engineer



Thank You