

SUCCESS STORY OF

**Construction of Bridge on Godalwahi Michgaon
Pulkhal Pendhari Jarawandi Kasansur Road MDR-12
at ch-30/600 (Kandoli Nallah) in Taluka Etapalli
District Gadchiroli**

(NABARD XXIII)

Region- Public Works Region, Nagpur

Circle- Public Works Circle, Gadchiroli

Division- Public Works Division, Alapalli

Sub-division- Public Works Subdivision, Etapalli

NABARD 23

Name of Work :- Bridge on Godalwahi Michgaon Pulkhal Pendhari Jarawandi Kasansur road MDR-12 at Ch 30/600 on Kandoli Nala Ta. Etapalli Dist. Gadchiroli.



1. Background / Problem Statement

The Local Kandoli Nallah intersects the Godalwahi Michgaon Pulkhal Pendhari Jarawandi Kasansur Road to join SH-380 at Kasansur Village which is 50.00km away from Etapalli 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 60.00 meters length was sanctioned under NABARD 23, and construction of 6 span of 10.00 m c/c and a width of 7.5 m was successfully completed on March 2022. From an engineering perspective, the structure provides durable and safe passage across the Kandoli 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 Etapalli Taluka.

2. Project Overview :-

Construction of Bridge on Godalwahi Michgaon Pulkhal Pendhari Jarawandi Kasansur Road MDR-12 at ch-30/600 (Kandoli Nallah) in Taluka Etapalli District Gadchiroli

- ❖ Location- Kandoli Nallah near Kandoli Village, Tal. Etapalli, Dist. Gadchiroli.
- ❖ Implementing Agency - Public Works Department.
- ❖ Project Cost - Rs. 573.92 Lakhs.
- ❖ Time Period - 12 Months.
- ❖ Funding Source State Government NABARD Loan Assistance.
- ❖ Bridge Length 60.00 m. (6 Span of 10.00 m.).
- ❖ Bridge Carriageway Width - 7.50 m.
- ❖ High Level Bridge.
- ❖ Raft Foundation for Pier & Abutment, Pier Cap, Slab, wearing Coat, RCC Railing, B.T.Approach Road. Expansion joint.

3. Challenge Faced: -

During the execution of project encountered some challenges:

- ❖ Encroachments within the riverbed posed challenges during execution.
- ❖ Maintaining construction timelines because of the frequent Naxal Band, it was a Challenging to 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 Chhattisgarh State & Jarawandi, Pendhari, kasurwahi , Kasansur 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 SH 380, Chhattisgarh State and nearby Etapalli & Dhanora 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 Bridge across the kandoli Nallah at Kandoli 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 Etapalli Taluka.



Thank You