

Success Story Of

CONSTRUCTION OF MINOR BRIDGE ON TULSI - POTGAON ROAD V.R.-39 ALONG WITH APPROACH IN TALUKA WADSA DISTT. GADCHIROLI (NABARD XXIII)

Region- Public Works Region, Nagpur

Circle- Public Works Circle, Gadchiroli

Division- Public Works No-1, Gadchiroli

Sub-division- Public Works Subdivision, Wadsa

(NABARD XXIII)



1. Background / Problem Statement

The Local Nallah intersects the Tulsi potgaon Road VR 39 Near Tulshi Village which is 9.00 km away from Wadsa Taluka. Unbridged creating a critical gap in Naxalite and tribal area connectivity that hindered the transport of milk, agricultural product, , the daily commute of school students and effects life style of tribal peoples. To resolve this, a Bridge of 21.18 meters length was sanctioned under NABARD 23 , and construction of 2 span of 10.59 m c/c Precast M -50 grade and a width of 7.5 m was successfully completed on March 2023. 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 wadsa Taluka.

2. Project Overview :-

Construction of Minor Bridge Tulshi potgaon Road VR 39 at ch-2/900 on in Taluka Wadsa District Gadchiroli

- ❖ Location Local Nallah near Tulshi Village, Tal. Wadsa and Dist. Gadchiroli.
- ❖ Implementing Agency - Public Works Department.
- ❖ Project Cost - Rs. 143.50 Lakhs.
- ❖ Time Period - 12 Months.
- ❖ Funding Source State Government NABARD Loan Assistance.
- ❖ Bridge Length 21.18 M. (2 Span of 10.59 m. , M-50 Grade Of Precast Arch Bridge).
- ❖ Bridge Carriageway Width - 7.50 m.
- ❖ Low Level Minor Bridge.
- ❖ Opem Foundation for Pier and Abutment, M-50 Grade Of Precast Arch , B.T Road.

3. Challenge Faced: -

During the execution of project encountered some challenges:

- ❖ Used modern technologies And used high level crane for lifting precast arch for one place to proper bridge site in rural area.

4. Innovative Solutions / Action Taken: -

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

- ❖ Adoption of advanced bridge construction technologies of Precast M-50 Grade 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, 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 60 %.
- ❖ Improved connectivity between tulshi and potgaon , 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 & Tribble people daily lives. Access Tulshi and potgaon 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 Tulshi 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 Tribble, Naxalite and rural infrastructure development in Wadsa Taluka.





Thank You

