

Success Story

1. Title

Construction of Bridge with Approaches on NH - 161A Shiradhon Bhutyachiwadi

Alegaon Road (VR-107) Ch 0/600 (On River Near Shiradhon village) Tq. Kandhar

Dist Nanded

1. Background / Problem Statement

Before the implementation of the project, the project area faced significant infrastructure challenges that adversely affected daily life and economic activities. At location of Project there was existing 4 Rows of 900 mm Dai. Causeway. In every Monsoon this causeway Submerged under water even due to normal rainfall in nearby catchment and it was very difficult to cross the River. In heavy floods submergences were continued for 2 to 3 days due to which traffic gets closed and communication route of Shiradhon, Bhutyachiwadi, Alegaon villages is closed.

Key issues identified:

- Difficulty of connectivity in Emergency conditions .
- Poor and damaged road conditions.
- Limited all-weather connectivity.
- Increased travel time and vehicle operating costs.
- Restricted access to markets, schools, and healthcare facilities.
- Frequent disruption during monsoon seasons.

Due to these issues, local residents, farmers, students, and small traders were severely impacted. The project was necessary to improve mobility, ensure inclusive development, and strengthen regional connectivity.

1. Project Overview

Name of Project: Construction of Bridge with Approaches on NH - 161A Shiradhon Bhutyachiwadi Alegaon Road (VR-107) Ch 0/600 on River Near Shiradhon village Tq. Kandhar Dist Nanded Under NABARD-27

- **Location:** at. Shiradhon Village Local River, Tal. Kandhar, Dist. Nanded
- **Implementing Agency:** Public Works Department (PWD)
- **Project Cost:** ₹373.53 Lacs
- **Time Period:** 12 Month.
- **Funding Source:** State Government, NABARD Loan Assistance
- **Bridge Length:** 22 Mtr (4.00 Nos Span X 5 Mtr)
- **Bridge Carriageway Width:** 10.450 Mtr
- Minor Bridge Submersible.
- Raft Foundation, Box cell and Deck slab.

1. Challenges Faced

During execution, the project encountered Some challenges:

- As the site is just adjacent to village vehicular, pedestrian, animal traffic disruption was much more than expected.
- Encroachment in River banks, bed and on road by villagers, farmers.
- Limited availability of construction materials.
- Traffic management during execution.
- Coordination with multiple departments for Utility Shifting.

1. Innovative Solutions / Actions Taken

To address these challenges, the following measures were adopted:

- Use of recent Bridge and road construction technology for faster execution
- The local people were taken into confidence and convinced about the importance of the work, and removing encroachment and then the work was done.
- Use of adequate safety measures at diversion of bridge.
- Use of standard quality of materials.
- Inter-departmental coordination for timely utility shifting.
- Adoption of cost-effective and durable materials.
- Both side drain for effective side drainage.
- Painting of Whole Bridge is done to enhance beauty of structure and increase the Life of Bridge.
- Adequate Road safety measures were taken like Guard stones, Railing, Cat eyes, Road studs, Thermoplastic markings, etc.

1. Implementation Process

- **Planning:** Detailed site surveys with approval from Competent Authority and realistic project scheduling.
- **Execution:** Mechanized construction with strict adherence to timelines.
- **Monitoring:** Regular site inspections and progress reviews.
- **Quality Control:** Material testing and compliance with standards.

1. Results & Impact

The project delivered measurable and visible outcomes:

- Improved connectivity for Shiradhon, Bhutyachiwadi, Alegaon and nearby villages to NH 161A.
- All weather connectivity.
- Reduction in vehicle operating costs.
- Enhanced access to schools, hospitals, and markets.
- Boost in local trade and economic activities.
- Improved safety and riding comfort.

Overall, the project significantly improved the quality of life for local residents.

1. Beneficiary Feedback / Human Angle

> — "I am giving this review to express my absolute satisfaction with the recent Road and bridge construction project completed by Public Works Department and NABARD in my village. Basically Shiradhon is a Holy place well known for Shiv Temple and Bhimashankar Math Sansthan. In month of October a Pilgrimage is there in Shiradon. Every years near about 2 to 3 lacs devotees visit this Holy place. Due to Construction of this bridge we all got all weather and uninterrupted way to NH 161A and village. Also due to road construction now we all residents of Shiradhon were feeling free from Dust and muddy roads. The quality of construction was also good.

— Local Farmer, Gajanan Pandagale, Village Shiradhon.

Residents reported improved access to essential services and increased economic opportunities. The project has received positive feedback from the community.

1. Conclusion

The Shiradhon Local River Bridge Construction with Approach Road Development Project stands as a successful example of effective infrastructure development. It has delivered long- term benefits by improving connectivity, promoting economic growth, and enhancing public satisfaction. The project model is scalable and can be replicated in other rural and semi-urban areas.

Before Photographs





AFTER COMPLETION PHOTOGRAPHS



