

Success Story

1. Title :-

Construction of Bridge cum Bandhara on Bhogavati River on Tarankhop Borgaon ODR-56, Tal-Pen, District-Raigad [Nabard-28]

Transformation of Rural Connectivity through Bridge cum Bandhara on Bhogavati River on Tarankhop Borgaon ODR-56, Tal-Pen in Raigad District.

2. Background/ Problem Statement :-

Before implementation of the project, two way traffic was not possible. Flow near Tarankhop village basin of Bhogavati River is larger and discharge through Hetawane dam is very high in monsoon. This high discharge caused flood situations and disruption in traffic flow.

Key issues identified

- Poor and damaged road conditions.
- Risk of life in Mason Season
- Restricted access to market, school, college, Healthcare facilities.
- Frequent disruption during monsoon season.

Due to the all-issues local farmer and villager, student is severely impacted.

The project was necessary to improve mobility, ensure inclusive development, and strengthen regional connectivity and reduce the risk of life.

3. Project Overview :- Construction of Bridge cum Bandhara on Bhogavati River on Tarankhop Borgaon ODR-56, Tal-Pen, District-Raigad [Nabard-28]

- Location - Bhogavati River near Tarankhop Village, Tal-Pen, Dist-Raigad
- Implementing Agency – Public Works Department
- Project Cost - ₹425.81 Lakhs
- Time Period – 18.0 Months
- Funding Source – State Government NABARD Loan Assistance
- Bridge Length -100.0 m (10 Span of 10.00m)
- Bandhara Length – 100.00m (1.50m height)
- Bridge Carriageway Width – 7.50 m
- River Training Work of 45.00m length on upstream side
- Major Submersible Bridge
- Open Foundation, Pier and Abutment, Precast Girder, bituminous pad Expansion joint, concrete approach roads, GI Pipe Railing, Deck Slab.

4. Challenges Faced :-

During the execution of project opposition from people is observed for dismantling old bridge. There was temple in between alignment of approaches so there was demand from people to shift temple.

5. Innovative Solutions/ Actions Taken :-

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

- Use the latest Bridge and road Construction methodology for execution.
- Concrete Pumps, High-Capacity Cranes in multiple numbers are used.
- By taking the local people into Confidence, they understood the importance of the work and speeded up the work.
- Adoption of cost effective and durable Standard brand of material as specified in SSR materials.
- Adequate road safety measures are taken like sign board, pitching, thermoplastic paint, reflective board.

6. Implementation Process :-

- Planning: Detailed site surveys with approval from competent authority and realistic project scheduling.
- Execution: Mechanized construction with strict timeline
- Monitoring: Regular site inspection and Progressive Review.
- Quality Control: Material testing and Compliance with standards.

7. Results & Impact :-

The Project delivered measurable and visible outcomes

- Two way traffic possible due to high level and high width bridge
- Improved safety and riding comfort
- Enhanced access to school, hospital and market
- Increase the local trade and economic activities
- Reduction in fuel consumption & travel time by reducing extra travelling distance of 3km
- Fulfillment of “Pani aadva , Pani Jirva” concept by construction of Bandhara
- Ample water available for Ganpati visarjan ghats
- Encouragement to Fisheries work

8. Beneficiary Feedback / Human Angle :-

Easy access to local market and School, colleges, healthcare facilities. It reduced the unnecessary travel distance; this road changed our daily life.

9. Conclusion :-

The Tarankhop Bridge cum Bandhara Construction with Approach Road Development Project stands as a successful example of effective infrastructure development. It has 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 Construction



After Construction of Bridge cum Bandhara

