SUCCESS STORY

1. Title

Construction of Major Bridge On Tarli River near village Aamble At Km 15/800 on Mdr – 29 to Thoseghar Jambhe Murud Awarde Aamble Road ODR - 52 Taluka Patan Dist Satara. (NABARD XXIV)

Transformation of Rural Connectivity through Construction of Major Bridge on Tarali River near Amble Village

2. Background / Problem Statement

Before implementation of the project, the area around Amble, Awarde village faced serious connectivity issues.The basin of Tarali River is very large and discharge from Tarali Dam is high during the monsoon season.Earlier, villagers were using a small Pipe Causeway to cross the river. During monsoon, the Pipe causeway used to get completely submerged, making transportation impossible and highly risky.

Key Issues identified

- Poor and damaged road connectivity
- Difficulty in crossing the river between villages
- High risk to life during monsoon season
- Restricted access to sugarcane and other farmining activities during mansoon season.
- Frequent disruption of transport during heavy rainfall
- Farmers, students, and villagers were severely affected due to these issues.

3. Project Overview

Project: Construction of Major Bridge on Tarali River near Amble

- Location: Amble Village, Tal-Patan, Dist-Satara
- Implementing Agency: Public Works Department
- Project Cost: ₹7.50 Crore
- Time Period: 18 Months
- Funding Source: State Government – NABARD Loan Assistance
- Bridge Length: 118.77 m (14.13 m End Spans & 12.93 m Mid Spans Total 9 Spans)
- Carriageway Width: 7.50 m
- Type: Highlevel Major Bridge
- Technical Features:
- Open foundation
- PCC piers and abutments
- Precast RCC Arch
- Neoprene bearings
- Strip seal expansion joints
- RCC Crash Barrier Pardi
- RCC deck slab

4. Challenges Faced

- Flooding during monsoon due to large river basin
- Limited working space because of location is nearst to tarli dam downstream
- Utility shifting requiring inter-department coordination
- Encroachment by farmers in riverbed area as location of bridge is nearst to villlage

5. Innovative Solutions / Actions Taken

- Adoption of modern bridge construction techniques Precast arch bridge construction
- Use of concrete pumps and high-capacity cranes
- Coordination and cooperation with local villagers
- Use of durable and cost-effective standard materials as per SSR
- Implementation of road safety measures such as signboards, thermoplastic paint, reflective markers, and pitching

6. Implementation Process

- Planning: Detailed surveys, approvals, and proper scheduling
- Execution: Mechanized construction with strict timelines
- Monitoring: Regular inspections and progress reviews
- Quality Control: Material testing and compliance with standards

7. Results & Impact

- Travel time reduced by approximately 50%
- Improved connectivity between remote villages like Awarde,Murud,Maloshi,Bambawade Amble to nearst market place Tarale
- Significant reduction in risk to life during monsoon
- Better access to schools, hospitals, markets, and sugar industries
- Boost to local trade and economic activities
- Improved riding comfort and road safety

8. Beneficiary Feedback / Human Angle

“Easy access to markets and sugarcane industries has reduced unnecessary travel distance.

This bridge has changed our daily life.”

9. Conclusion

The Amble Major Bridge Project stands as a successful example of rural infrastructure development.

Now the Bridge is opened for Traffic and Villagers ,Farmers,Students Etc are using and gets benefits of this bridge. This Bridge is useful for Transportation of Sugarcane and Agricultural products and for daily traffic from Aamble, Awarde, Jambhe Towards market places like Tarle and Taluka Place Patan.

Launching Of Precast Arch is in Progress


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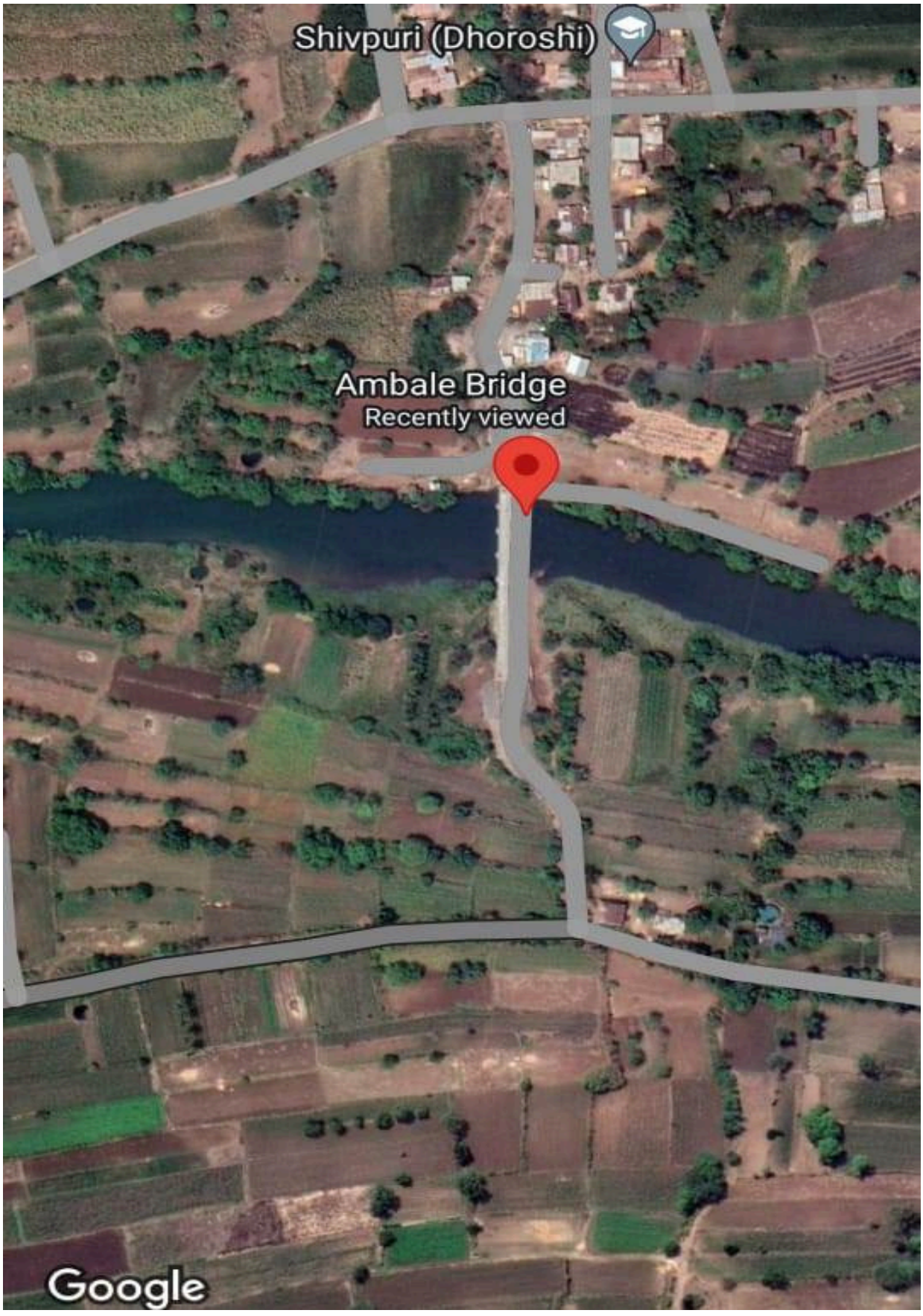
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