

## • **Success Story**

### 1. Title –

Construction of Major Bridge with Approach Road at Dhom to Vyahali Colony Road, VR-206 on Krushna River Near Dhom Dam Taluka-Wai Dist. Satara ( Nabard -25)

Transformation of Rural Connectivity through Major Bridge on Krushna River near Dhom Dam on Dhom to Vyahali Colony Road, VR-206.

### 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. Flow near Vyahali Village Basin of Krushna River is larger and discharge through Dhom dam is very high in Manson. Before the Construction of Bridge on Krushna river Public are travelling over small Causeway over Krushna River. Under normal Discharge of Water Causeway goes completely under the water due to that transportation over Causeway was stop or very difficult to go from village to other village.

### Key issues identified.

- Poor and damaged road conditions.
- Difficult to Cross the Near river from Village to Village
- Risk of life in Mason Season.
- Restricted access to Agricultural Products, Sugar can Factory, MIDC, Healthcare facilities & Educational.
- 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.

### 1. Project Overview :-

Construction of Major Bridge with Approach Road on Dhom to Vyahali Colony Road, VR-206 on Krushna River Near Dhom Dam Taluka-Wai Dist. Satara ( Nabard -25)

- Location - Krushna River near Dhom Village, Tal-Wai, Dist- Satara
- Implementing Agency – Public Works Department
- Project Cost - ₹849.99 Lakh

- Time Period – 24 Months
- Funding Source – State Government NABARD Loan Assistance
- Bridge Length – 93.94 m. ( 2 Span of 16.477 m. & 4 Span of 15.477m)
- Bridge Carriageway Width – 10.00 m.
- Major High Level Bridge.
- Open Foundation, Pier and Abutment, Pre-Cast Arch Sigmments, RCC Pipe Railing,

## 1. Challenges Faced :-

During the execution of project encountered some challenges:-

- Since the bridge site is on Downstream side of Dhom Dam spillway hence in rainy season when spillway gates are opened working area of Bridge site is completely hampered.

## 1. Innovative Solutions / Action 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 measure are taken like Information Board, Cat's Eyes, Thermoplastic Paint, Concreate Crash Barrier & Metal Grill.

## 1. 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.

## 1. Result & Impact :-

The Project delivered measurable and visible outcomes

- Travel time reduced by 50%.
- Improved Connectivity of Jor Khore & Jambhali Khore of Western Areas.

- Reduce the risk of life.
- Enhanced access to school, hospital and market.
- Increase the local trade and economical activities.
- Improve safety and riding comfort.

### **1. Beneficiary Feedback / Human Angle :-**

Easy access to local market and Sugarcane Industries. Its reduce the unnecessary travel distance, due to Construction of Bridge daily life of people were changed also due to good aesthetic view of bridge & natural scenery at bridge location, this bridge happens to be a new picnic point.

### **1. Conclusion:-**

The Dhom Bridge 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 Completion Photograph**

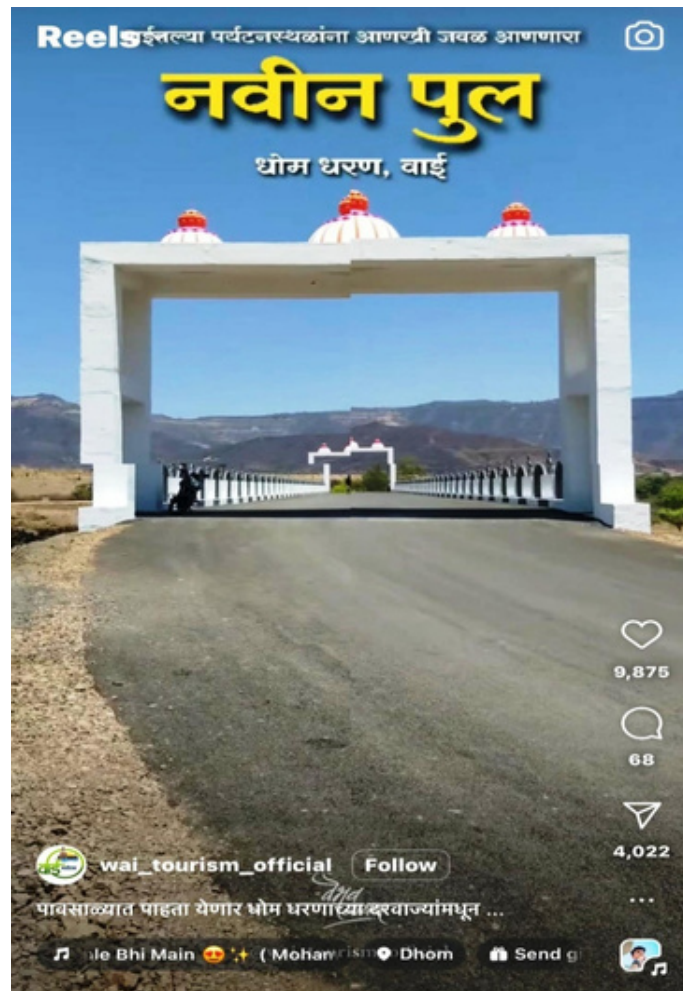














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