

# Success Story

1. **Title** - Construction Of Major Bridge On Sangvi Ardhapur Road Mdr-100 Km 11/200 Tq. Ardhapur Dist. Nanded

Transformation of Rural Connectivity through Construction Of Major Bridge On Sangvi Ardhapur Road Mdr-100 Km 11/200 Tq. Ardhapur 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. The Local River Near Sangavi kh. Village doesn't had proper connecting approach road, the area is fully black cotton soil area so the transportation of construction material was challenging task. The surrounding area is fully irrigated by canal and the excess overflow of canal is discharged into the river so the unexpected water in the basin is also a troublesome work while construction of bridge.

Key issues identified:

- Poor and damaged road conditions.
- Difficult to Cross the Near river from Village to Village
- Risk of life in Monsoon Season
- Restricted access to Sugarcane Factory, MIDC, 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.

## 1. Project Overview :-

- Construction Of Major Bridge On Sangvi Ardhapur Road Mdr-100 Km 11/200 Tq. Ardhapur Dist. Nanded
- Location -Local River near Sangavi kh. Village, Tal-Ardhapur, Dist- Nanded
- Implementing Agency - Public Works Department
- Project Cost - ₹3.80 Crore
- Time Period - 12.0 Months
- Funding Source - State Government NABARD Loan Assistance
- Bridge Length -37.03 m (5 Span of 6.00m)
- Bridge Carriageway Width - 10.00 m
- Major Bridge High level Submersible
- RCC Boxcell is constructed.

## 1. Challenges Faced :-

During the execution of project encountered some challenges:

- The Local River Near Sangavi kh. Village doesn't had proper connecting approach road, the area is fully black cotton soil area so the transportation of construction material was challenging task.
- The surrounding area is fully irrigated by canal and the excess overflow of canal is discharged into the river so the unexpected water in the basin is also a troublesome work while construction of bridge.
- Coordination with multiple department for utility shifting.

- Some encroachment by farmer in river bed on construction site.

### 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 sign board, pitching, reflective board.

### 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 two Sangavi kh. Village people to Ardhapur.
- 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 this road changed our daily life.

## 1. Conclusion:

The Major Bridge Constructed to connect the Sangavi kh Village people to Ardhapur City. Sangavi Kh. Village is very prone for rainy flood; the village is surrounded by flood water from all side of the village in rainy season. This bridge is useful for the connectivity to the people during the flood time. Farmers across the river used to travel around 7-8 km to transport the farm product to their household now this distance is reduced. Travel to sugarcane factory from farm is reduced around 5 km. for students travelling to Ardhapur city distance reduced around 5-6 km. overall it is increased the integrity of the village and increased the connectivity & ease in different sector like farming, market, education etc.

### Before Construction







**After Completion Photograph**









