

## PWD ROAD MAJOR BRIDGE CORROSION DAMAGE AT KOLHAPUR



### Problem:

- River Bridge 45 Years old.
- Major corrosion damage.
- Honeycomb of the Concrete girder.
- Previously repair by guniting but this repair not bonding to the concrete & shown crack.

### Solution:

- Prepare safe access hanging platform.
- Remove guniting & loose cover concrete.
- Anticorrosive treatment with corrosion inhibitor.
- Apply additional reinforcement with shear keys.
- Apply epoxy bonding agent.
- Repair concrete girder with PMM.
- Repair External beam with micro concrete.