



**Structural Specialities  
& Projects (India) Pvt. Ltd.**

# Structural Repair & Restoration of 13 nos. of Culverts & Bridges at **Lakheri, Rajasthan**



## Infrastructure & Public Buildings

### Structure Details

Structural Repair and Restoration work of 13 no. of Culverts including 2 nos. of Bridges in Lakheri, Rajasthan for ACC Ltd.

### Brief Scope of work:

- Bad / damaged concrete was removed and corroded steel was cleaned. Provided Corrosion Inhibitor treatment and further coated with anti corrosive treatment to provide protection from chloride ion penetration, carbonation and weathering effects
- Reinforcement supplemented where effective dia. was reduced substantially.
- Lost sections in cover zone were rebuilt using pre-packed PMM over weld mesh and polymer bond coat.
- Injection of Low Viscous Epoxy Grouting, Polymer/Cement Grouting
- RCC Works and Structural Steel Fabrication works
- Anti-carbonation Protective Coating

### Project Highlights

- The work was carried out outside plant, cross country and with in the town, densely populated area. SSPI co-operated with ACC Ltd on all the critical co-ordination issues with the plant, local governing bodies such as Nagar Nigam, Electricity Board and villagers at large.
- SSPI completed the job as per schedule adopting highest safety and quality standards.

**Client**  
ACC Ltd.

**Period**  
2014-15

**Key Items of work**  
Structural Repair &  
Rehabilitation using  
Polymer Mortar

Injection Grouting  
using LV Epoxy /  
Polymer Cement

Structural Steel  
Fabrication work

Anti-carbonation  
Coating