



Structural Specialities  
& Projects (India) Pvt. Ltd.

# Repair & Protective Coating of Cement Plant Structures at Angul, Odhisa



## Industrial Plants & Factories

### Structure Details

Repairs & Protective Coating work of 4 nos. of Fly Ash Silo Structures of 19m dia and 35m height at Angul, Odhisa.

### 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
- Enabling work: Electric operated Gandola was used to complete entire activity. This system was periodically checked and certified by the third party agency.
- Bad / damaged concrete cover was removed and rebuilt with Ready mix PMM
- Entire RCC surface was prepared and made smooth using suitable grinders, defects like undulation, slip form shuttering joints, honeycombs were treated
- Prepared RCC surface of the silos was coated with 2mm thk layer of external wall putty in 2 layers, to make it smooth and even.
- Superior quality, UV resistant PU based protective coat –Sika Gard PU (UR) was applied over single coat of primer Sikadur PF.

### Project Highlights

- The Repair job was executed with entire plant operational. The repair work was executed in co-ordination with operational facilities with utmost SAFETY precautions at all time.
- SSPI Team has successfully executed the project in time and quality and with ZERO accidents / LTI.

**Client**  
GMR infra

**Period**  
2013

**Key Items of work**  
Surface Preparation  
for Protective Coating

Anti-carbonation  
Protective Coating