



Structural Specialities
& Projects (India) Pvt. Ltd.

Repairing/Retrofitting of Structure & other Civil Works Of various Structures Inside Smelter Plant

Angul, Odhisa



Industrial Plants & Factories

Structure Details

Structural Repairs & Retrofitting work of various structures in Smelter Plant including Chimney, Cooling tower and others at Angul, Odhisa

Brief Scope of work:

- Bad / damaged concrete was removed and corroded steel was cleaned and Provided Corrosion Inhibitor treatment .
- 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 Polymer / Epoxy bond coat.
- Micro-concrete Jacketing for Structural Strengthening
- Injection of Low Viscous Epoxy Grouting, Polymer-Cement Grouting
- Anti-Carbonation Protective Coating to Concrete & Steel Structure

Project Highlights

- The Repair job is being 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 Safety Procedures has been Awarded Certification. Our Safety process has been incorporated in NALCO Safety Manual and applicable for All of their Contractors.

Client

National Aluminum
Company Ltd.
(NALCO)

Period

2019-20

Key Items of work

Structural Repair work
using High Strength
Polymer Mortar

Micro concrete
Jacketing

Injection Grouting
using Epoxy &
Polymer

Anti-carbonation
Protective Coating