



Structural Specialities
& Projects (India) Pvt. Ltd.

Repair & Restoration work of Pre-Treatment Plant Structure at Kovaya, Gujarat



Power Plants

Structure Details

Repair & Restoration of RCC Structure of Pre-Treatment Plant Structure of 700Mw Gas Power Plant located in outskirts of Gujarat in Kovaya District

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.
- Galvanic Sacrificial Protection of Steel using Anodes
- Lost sections in cover zone were rebuilt using pre-packed PMM over weld mesh and polymer bond coat.
- Carbon Fibre wrapping AND Micro-concrete Jacketing techniques were adopted to strengthen the building
- High Strength Polyurethane Injection Grouting, Epoxy Grouting, Cement Grouting
- Environmental Protective Coating

Project Highlights

- SSPI Team has successfully managed and delivered the project before the Stipulated time and quality and with ZERO accidents / LTI.

Client

GSPC Pipavav Power Company Ltd.

Period

2019-20

Key Items of work

Structural Repair & Strengthening using PMM & Micro Concrete Jacketing

Carbon Fibre Wrapping work

Sacrificial Galvanic Anode

Polyurethane Grouting

Anti-carbonation Coating