TOP A INDIA
CONTRACTORS

We Don't Say No, We **Innovate.**



PROTECTING
AND REHABILITATING
INDIA'S INFRASTRUCTURE

WATERPROOFING · INJECTION GROUTING · STRUCTURAL REPAIR
PROTECTIVE COATINGS · DAM REHABILITATION

SINCE 2008 · CHENNAI

SERVING PAN INDIA

BROCHURE CONTENT

We don't say no. We innovate.

Waterproofing, injection grouting, structural repair, protective coatings and dam rehabilitation - carried out on live sites, by our own trained crews. This brochure sets out what we do, where we work, and the structures we have treated since 2008.

CONTENTS

03	About us
04	Vision, mission and pillars
05	Services overview
06–11	Waterproofing
12–13	Injection & grouting
14–15	Repair & strengthening
16–17	Protective coatings
18–19	Dam repair & rehabilitation
20	Underwater treatment
21	High-pressure water jet system
22–23	Expertise - Metro rail projects
24	Expertise - Caisson structure repair
25	Clients
26	Industries we serve
27	Company Footprint
28	Contact

01 — WHO WE ARE

About Us

Founded in 2008 by **Ramamoorthy V** & **Anusuya R**, Top A India Contractors began with a singular focus: solving the waterproofing and structural challenges that others couldn't.

Since then, that focus has grown into a specialized infrastructure protection and rehabilitation company, delivering advanced waterproofing, repair and rehabilitation, injection grouting, and protective coating services across more than 15 states in India and overseas.

We work across the life of a structure - protecting new builds during construction, and repairing, strengthening, and rehabilitating those already in service.

Backed by a skilled team of engineers, certified applicators, and industry specialists, we combine technical excellence, quality workmanship, and a safety-first approach to deliver long-lasting results even in the most challenging environments.



RAMAMOORTHY V FOUNDER



Infrastructure is more than concrete and steel. It is the foundation of communities, industries, and progress. Every structure tells a story of ambition and resilience, and our responsibility is to ensure that story endures. Our approach has never changed: protect what matters, solve what others cannot, and deliver lasting value.

"We Don't Say No. We **Innovate.**"

ASHWINTH KARTHICK R
MANAGING DIRECTOR

02 — WHAT DRIVES US

Vision, Mission & Pillars

VISION

To be India's most trusted infrastructure protection and rehabilitation specialist, delivering engineering solutions that enhance the durability, safety, and performance of critical infrastructure.

MISSION

To provide technically sound, innovative, and cost-effective solutions in waterproofing, structural rehabilitation, injection grouting, and protective coatings while ensuring quality execution, safety, and long-term value for our clients.

PILLARS OF EXCELLENCE

01
INNOVATION
We embrace challenges with a solution-oriented mindset, continuously exploring better methods and technologies.

02
RELIABILITY
We deliver on our commitments through dependable execution, consistency, and long-term client trust.

03
SAFETY
We prioritize the well-being of our workforce, clients, and project environments through responsible and safe work practices.

04
INTEGRITY
We uphold transparency, accountability, and ethical practices in every project and relationship.



03 — CAPABILITY

Services

Specialist solutions for challenging structures, from condition assessment through execution and quality control. Every system is selected and tailored for the structure, the exposure, and the service life required.



01 Waterproofing

Stops water ingress through roofs, basements, tanks and wet areas before it damages concrete and steel.

e.g. HDPE membrane, PU spray systems



02 Injection & Grouting

Seals active leaks, cracks, and unstable ground beneath a structure.

e.g. PU resin, acrylic gel injection



03 Repair & Strengthening

Restores concrete damaged by cracking, spalling, corrosion or structural distress.

e.g. carbon fibre wrapping, micro concrete repair



04 Protective Coatings

Protects structures from corrosion, chemical attack and carbonation.

e.g. anti-carbonation, anti-corrosive systems



05 Dam Repair & Rehabilitation

Treats seepage and masonry deterioration in concrete and masonry dams.

e.g. underwater grouting, masonry joint repair



Specialised support

High-Pressure Water Jetting

Removes coatings and prepares concrete surfaces without damaging sound material beneath.

e.g. coating removal, surface preparation

SERVICE 01

Waterproofing

Protection that extends the life of your structure.

Water is the biggest threat to a building's lifespan - it gets in through roofs, basements, tanks, and everyday wet areas, damaging concrete and steel from the inside. Waterproofing stops that at the source: forming an impervious barrier across foundations, roofs, and walls that keeps water out and extends the structure's working life. We provide waterproofing solutions across residential, commercial, industrial, and heavy infrastructure by choosing the right system for each part of the structure, based on where the water comes from and how the space is used.

01 Terrace & Roof

Roofs and terraces take the most direct hit from sun, rain, and daily temperature swings. Covers terraces, roofs, podium decks, expansion joints, and large industrial roofs.

02 Basement & Underground

Constant pressure from groundwater and damp soil weakens the foundation and causes lasting dampness if water gets in.

03 Water Tank & Reservoir

Holding water constantly means even a small gap develops into a leak over time.

04 Wet Areas

Bathrooms, kitchens, toilets, balconies, sunken slabs, and utility areas face daily water exposure, moisture works into floor and walls if not properly sealed.



WATERPROOFING

Terrace & Roof

SYSTEMS WE APPLY

- **Single-component PU, hand-applied** · brush/roller onto concrete; smaller areas, detailed corners, hand-finished work
- **Two-component PU, spray-applied** · sprayed to form one continuous, jointless membrane; large roof and terrace areas, fast uniform coverage
- **TPO membrane** · single-ply synthetic sheet, heat-welded at joints; puncture- and weathering-resistant, large industrial roofs
- **APP/SBS membrane** · bitumen-based sheet, rolled and heat-sealed; used selectively per project and site conditions
- **Acrylic coating** · single-component UV-stable elastomeric coating, brush/roller-applied; bridges hairline cracks while letting the surface breathe





Surface preparation



Crack & undulation filling with Epoxy putty



Priming and Sand Broadcasting



Spray Application

WATERPROOFING

Basement & Underground

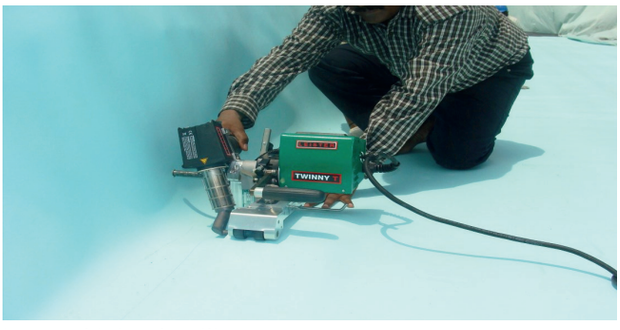
SYSTEMS WE APPLY

- **HDPE membrane** · pre-formed sheet, bonded with pressure-sensitive adhesive; continuous groundwater barrier, first choice for basement raft, retaining wall and foundation
- **PVC membrane** · flexible sheet, chemical- and root-resistant; for tunnels, basement walls and raft slabs
- **Crystalline waterproofing** · cement-based coating whose active chemicals react to moisture and form crystals inside concrete pores; permanent, not surface-applied

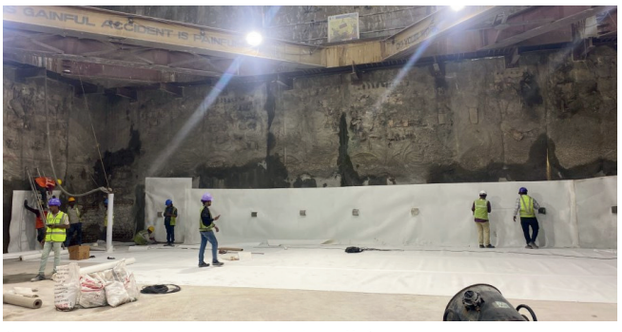




Pre-applied membrane laid to raft



Lap and joint detailing



Completed basement slab / wall face



Retaining wall treatment



Basement



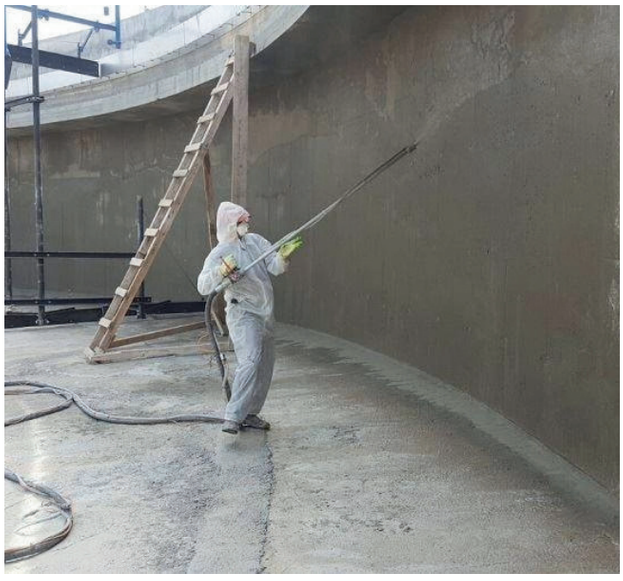
Metro Station Building treatment

WATERPROOFING

Water Tank & Reservoir

SYSTEMS WE APPLY

- **Cementitious waterproofing** · cement-based system with waterproofing additives; standard system for tanks, reservoirs, and swimming pools
- **Polyurea coating** · two-component spray, cures in seconds to minutes; seamless, chemical- and abrasion-resistant, fast turnaround
- **Epoxy coating** · two-component resin, high chemical resistance; hard, protective finish
- **Food-grade epoxy/PU** · non-toxic, certified safe for drinking water; potable tanks (OHT, UG sump)
- **Geomembrane** · synthetic HDPE/PVC liner, welded seams; large-area containment, reservoirs, industrial ponds





Tank interior preparation



Spray-applied lining



Swimming Pool Coating



overhead Tank

WATERPROOFING

Wet Areas



SYSTEMS WE APPLY

— **Cementitious waterproofing** · brush-applied, bonds directly with concrete; standard system for bathrooms, toilets, kitchens, balconies and sunken slabs

— **PMMA membrane** · cold-applied liquid resin, cures chemically without heat or flame, sets in 30–60 minutes; detailed areas, fast turnaround



Floor and skirting preparation



Coating application



Completed wet area before tiling



Balcony / utility area treatment

FEATURED PROJECTS

Waterproofing

Systems selected for the structure, the exposure and the service life required - across nuclear townships, institutional buildings, residential towers and metro infrastructure.



KKNPP - 1 & 2 Main Plant

KUDANKULAM · 2020

Terrace waterproofing for TG roof, Admin & TLD buildings at the nuclear power plant; seamless hybrid PU system with a UV-resistant protective top coat.



Mauritius Supreme Court

OVERSEAS · 2019

Basement waterproofing in HDPE membrane, forming a continuous barrier against groundwater for a critical institutional building.



Siddha Galaxia

KOLKATA · 2018

Terrace waterproofing using a spray-applied system for seamless, weather-resistant coverage across large roof areas.



Chennai Metro Rail

CHENNAI · SINCE 2012

PVC & HDPE membrane waterproofing across underground stations and tunnel sections, applied around live construction sequences.

SERVICE 02

Injection & Grouting

The right injection method for how and where a structure is failing.

Injection systems treat problems beneath the surface - active leaks, cracked concrete, and unstable ground beneath a structure. We select the injection system based on the leak, the crack, or the ground condition being treated.

PU Injection & HSR Grouting

Active water leakage and sealing of cracks and joints; single- and two-component PU resins selected by leak severity. High-strength resin for heavier structural repairs; slab lifting corrects settled concrete.

Acrylic Gel & Curtain Injection

Fine cracks, water seepage and difficult leakage paths; curtain injection creates a waterproof barrier behind the structure. Block joints, expansion joints and multipurpose acrylic grouting handle additional sealing and joint treatment.

Epoxy Injection

Structural crack repair and concrete bonding; a low-viscosity system penetrates and seals fine cracks. Structural high-strength epoxy for heavier bonding and load-bearing repair.

Conventional Injection

Filling cracks, voids and cavities; cement-based and lime-based grouting chosen by structural condition & soil type.



Injection packers in place ahead of resin injection, tunnel section.

SERVICE 02 — FEATURED PROJECTS

Injection Grouting

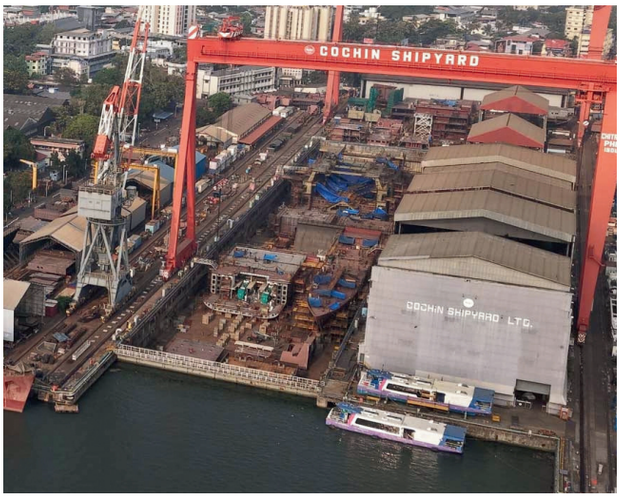
Leak, crack and ground conditions treated on live infrastructure, defence and marine sites - without taking the structure out of service.



ISRO

SRIHARIKOTA

Injection grouting & repair for underground infrastructures



Kochi Shipyard

KOCHI

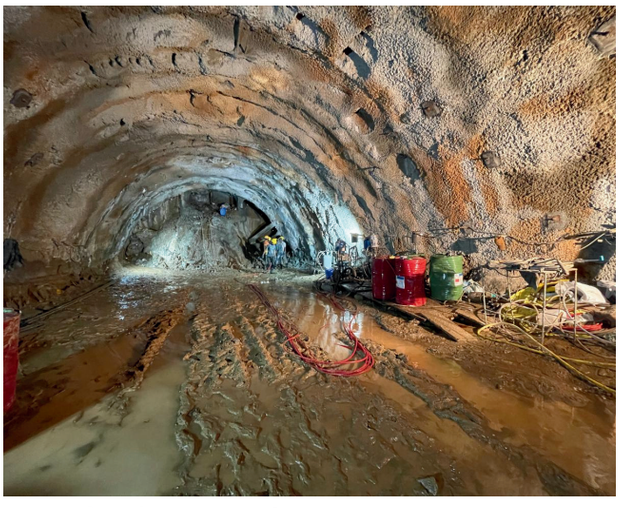
Grouting-based rehabilitation of concrete structures in a demanding marine industrial environment.



Andaman Defence Project

PORT BLAIR

Injection grouting for underground RCC structures, with terrace and wet-area applications on the same programme.



Irrigation Tunnel

SAKLESHPUR

PU Injection to arrest water leakage from a tunnel crown and stabilisation of the overburden soil.

SERVICE 03

Repair & Strengthening

Untreated cracks, corrosion, and structural damage don't stay small.

Left untreated, they compound, spread, and eventually threaten the safety of the entire structure. We undertake concrete and structural repair works to restore damaged structures and improve their durability, serviceability and structural performance.

01
Concrete Repair & Restoration

Repair of damaged, deteriorated and defective concrete — cracks, spalling, honeycombs and surface deterioration.

02
Structural Repair

Specialized repair for beams, columns, slabs, walls and foundations; method selected by type and extent of structural damage.

03
Micro Concrete Repair

Heavily damaged or hard-to-access sections where conventional repair won't work; high-strength flowable materials rebuild the section.

04
Rapid Setting Mortar

Repairing damaged surfaces, edges, corners and localized concrete deterioration. Faster, strong adhesion and improved durability for urgent repairs.

05
Rebar Corrosion Repair

Reinforcement corrosion and associated concrete deterioration; remove damaged concrete, treat reinforcement, reinstate the area.

06
Shortcreting

Method selected to stabilise and provide immediate structural support and infrastructural restoration.

07
Honeycomb & Void Repair

Casting defects and poor compaction; restores affected concrete to its original condition.

08
Structural Strengthening

Improve load-bearing capacity, durability and service life; methods including carbon fibre wrapping, selected by assessment.

09
Expansion Joint Treatment

Expansion and construction joints using backer rod, sealant and reinforced tape systems. Restores movement capacity and prevents water ingress at joints.



SERVICE 03 - FEATURED PROJECTS

Repair & strengthening

Corrosion, spalling and load-capacity problems addressed on operating industrial and marine assets.



ICL Cements

YERRAGUNTLA, ANDHRA PRADESH

Concrete repair, reinforcement corrosion treatment and structural strengthening across railings, deck slabs, precast beams, girders and diaphragms.



Hatsun

STRUCTURAL STRENGTHENING

Carbon fibre wrapping and structural strengthening of corrosion-damaged beams and columns.



L&T Shipbuilding / Kattupalli

KATTUPALLI · MARINE

~390 m² of spalled sea-side concrete reinstated in fibre-reinforced mortar and protected with a polyurethane coating; jetty and wharf rehabilitation under saltwater corrosion.

SERVICE 04

Protective Coatings

A protective coating is a layer of material applied to a substrate to prevent damage from corrosion, abrasion and weathering - either by blocking the external environment from starting the corrosion process, preventing the electrochemical reaction, or routing the corrosion process in a direction that won't harm the structure.

01	**Anti-Corrosive Coating**	Coal tar epoxy and equivalent solvent-based coatings protect concrete and steel from moisture, chemical and environmental corrosion by blocking the electrochemical reaction. Industrial structures, steel components, reinforced concrete.
02	**Chemical Resistant Coating**	Coal tar epoxy and comparable solvent-based epoxy systems with high chemical resistance. Effluent treatment plants, industrial plants and process areas.
03	**Anti-Carbonation Coating**	Blocks CO_2 (carbon dioxide) penetration, preventing carbonation-induced reinforcement corrosion. Exposed concrete: facades, bridges.
04	**Chloride & Sulphate Resistant Coating**	Resists chloride and sulphate ion ingress and protects reinforcement. Seawater, sea spray, sulphate-bearing soils.
05	**Decorative Coating**	Combines weather resistance with improved appearance, where both protection and visual finish matter on exposed concrete and masonry.
06	**Polyurethane Protective Coating**	Hydrophobic impregnations and PU-based systems for cooling towers, pipelines and chimneys. Prevents scale formation, corrosion and fouling.



SERVICE 04 — FEATURED PROJECTS

Protective coatings

Large-area coating programmes on nuclear and thermal power assets, applied to specified dry film thickness and inspected on completion.



NPCIL - Kudankulam Nuclear Power Project

KUDANKULAM · ROOF SURFACES

Hybrid polyurethane spray coating system to roof surfaces, with sealed sheet joints and a flexible PU protective top coat.



NLC — Neyveli cooling towers

2×500 MW THERMAL POWER PLANT

Protective polyurethane coating across ~7,800 m² of cooling tower surface at 2 mm dry film thickness, applied by plural airless spray.



NPCIL - Kalpakkam Nuclear Power Project

NUCLEAR POWER PLANT

Protective anit-abrasive polyurea coating across PRP sea water tanks at 2 mm dry film thickness, applied by plural airless spray.

SERVICE 05

Dam Repair & Rehabilitation

A dam holds back billions of litres of water. Deterioration left unchecked doesn't just shorten its lifespan, it risks catastrophic failure.

Wet-dry cycles disturb the upstream revetment: it settles unevenly and vegetation takes root. Lime deposits block the drainage holes, and seepage builds in the gallery. Left unchecked, that seepage shortens a dam's life and puts its safety at risk. We repair and strengthen masonry and concrete dams on both faces, restore their drainage, and carry the work below water level where needed.

Underwater Dam Repair

Underwater inspection, masonry joint repair, cavity filling and sealing, and repair of submerged sections.

Dam Joint Repair & Strengthening

Masonry block and expansion joints are opened, cleaned, refilled, sealed and grouted with hydrophilic material to arrest seepage.

Upstream & Downstream Dam Face Rehabilitation

Repair and strengthening of masonry joints in the dam body; improves structural integrity and service life.

Drainage Hole Reaming & Revetment Restoration

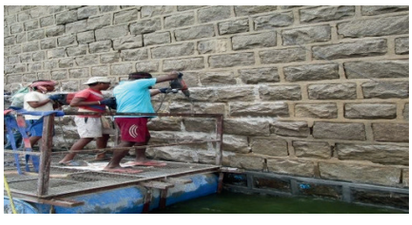
Reaming blocked drainage holes to restore drainage; releveling the rip-rap / jetty stone base with new and existing stone or gravel.

Canals, Tunnels & Aqueducts

Restoration of deteriorated concrete, cavities and construction joints, with a protective coating for watertightness and durability.

Spillway, Sluice Well & Inspection Gallery

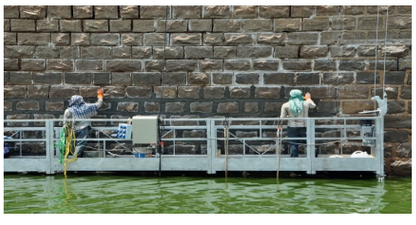
Repair of localised spillway damage with anti-abrasive coating; arresting leakage in the sluice well and gallery.



Racking the joint mortar



Cleaning the Joints by Using High Pressure Water Jet



Cavity Filling by Using Cementitious Micro Concrete



Cement Grout



Pointing



Expansion Joint Treatment

SERVICE 05 — FEATURED PROJECTS

Dam Repair & Rehabilitation



Bhavanisagar Dam

ERODE

Masonry joint restoration, cavity repair, controlled permeability testing and staged cement grouting.



Hemavathi Dam

KARNATAKA

Restoration of protective systems and drainage provisions on an ageing hydraulic structure.



Porthimund Dam

OOTY

Rehabilitation of masonry and protective arrangements against long-term water exposure.



Pechiparai Dam

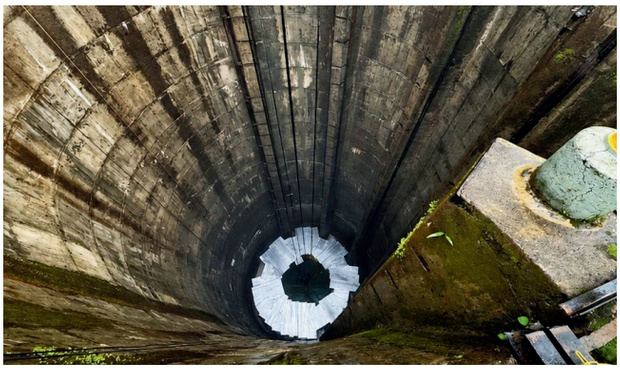
KANYAKUMARI

Rehabilitation of upstream protection and masonry sections; works in progress.

Koyna Dam

MAHARASHTRA

Repair and Injection grouting to seal internal cracks and leakage paths while preserving the existing surge well.



SPECIALISED TREATMENTS

Underwater Treatment

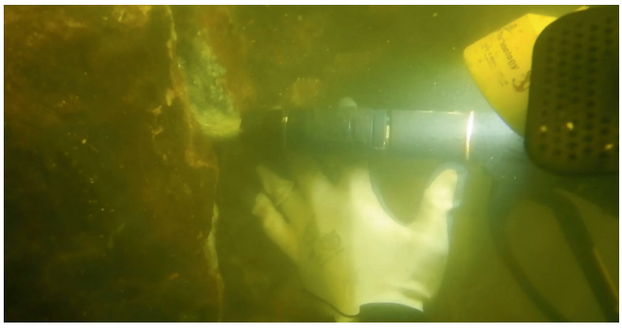
Seepage in a concrete or masonry dam develops through joints and cracks over time. The most effective way to stop it is to treat the upstream face underwater — sealing water out at the source while preserving the dam's full cross-section, rather than draining the reservoir to reach it. Deteriorated joints are racked out and repointed using high-strength underwater epoxy mortar, filled and finished on both sides of the joint for a durable, robust seal.



Underwater inspection and survey - ROV and diver mapping cracks, cavities, honeycombs, and leakage points



Racking the joint mortar — pneumatic tool, to a depth of 2–5 cm



Cleaning the racked joints - scrubber& high-pressure water jet



Underwater epoxy cavity filling — high-strength underwater epoxy mortar

FLAGSHIP CASE STUDY

Sholayar Dam

Underwater rehabilitation using hydrophilic acrylic gel grouting, completed without requiring reservoir drawdown - preserving the full cross-section of the dam while sealing seepage at the source.

No drawdown

RESERVOIR IN SERVICE

Sealed at source

UPSTREAM TREATMENT



SPECIALISED TREATMENTS

High-Pressure Water Jet System

High-pressure water jetting is a precise, non-invasive technique for concrete treatment across construction, demolition, and maintenance work. At high flow, it erodes and cuts concrete. At high pressure with lower flow, it strips coatings without damaging the sound concrete beneath. With an abrasive added, it can cut fully through a concrete slab, rebar included.



Concrete Cutting



High Pressure Cleaning

Featured Projects



Metro Pier Cleaning

HYDERABAD



Dam Spillway Cleaning

WRD

EXPERTISE

Metro Rail Projects



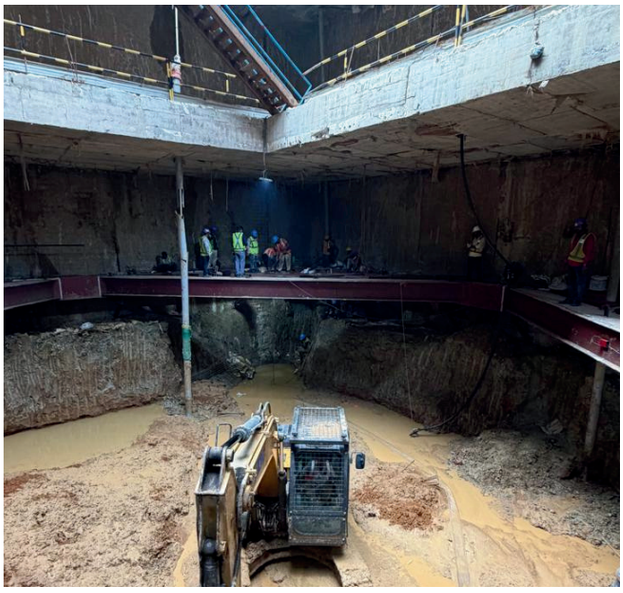
Phase - 1 & Extension . 4+ years

Annual maintenance contract for the operational tunnels and stations of Phase 1 and the extension. Covers leakage treatment and grouting across the project. Our scope also includes repair and rectification of water ingress through cracks, segment joints and concrete structures on an emergency basis.



Phase 2 - Pier Grouting

Epoxy resin grouting to seal cracks, voids and honeycomb cavities in piers, restoring the integrity of the concrete.



Phase 2 - D-Wall Repair & Soil Stabilisation

Arresting heavy water leakage through diaphragm walls by PU injection through packers, filling leakage paths and voids behind the wall. Stabilises eroded soil to prevent overburden settlement, and includes emergency works to arrest collapses.

EXPERTISE

Chennai Metro Cross-Passage



Context

A cross passage is a short connecting tunnel between twin mainline tunnels in a metro system - critical infrastructure, sometimes doubling as an escape shaft.

Condition

During active cross-passage excavation, heavy ground and sewage water breached the face along with sub-soil, causing structural cavities and localized collapse into the tunnel zone.

Response

- Injection grouting stabilized the surrounding soil and rock, sealed water-bearing strata, and reduced ground permeability
- Where collapse had occurred, grout was injected into the affected zone to fill voids and stop water flow
- Re-stabilized the ground, arresting further settlement
- Restored the tunnel zone to safe working condition





EXPERTISE

Caisson Structure Repair - KKNPP



Context

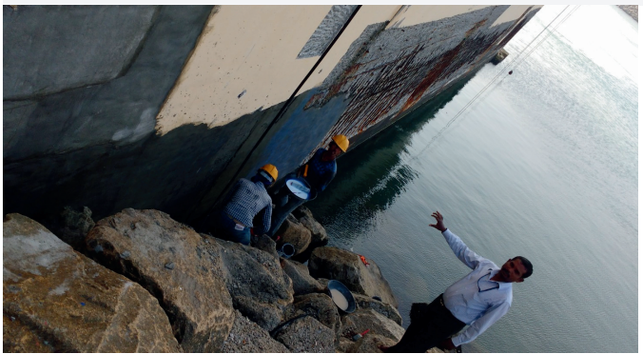
Special repair of the caisson end units at the bell-mouth portion of Kudankulam Nuclear Power Project (KKNPP) Units 1 & 2, carried out for the Nuclear Power Corporation of India Limited (NPCIL). The works covered about 176 m² of structure.

Condition

The concrete on the caisson end units had deteriorated. Damaged concrete and exposed reinforcement needed removal, corrosion protection, structural restoration and a protective finish.

Response

- **Concrete inspection and preparation**
  Chipped out damaged concrete, hammer-test the wall for soundness, carry out the phenolphthalein test and clean the surface with a high-pressure water jet.
- **Protective finishing**
  Applied the specified acrylic-resin-based protective coating .
- **Structural restoration**
  Applied epoxy bonding agent and 100 mm thick fibre-reinforced repair mortar, then a membrane-forming curing compound.
- **Corrosion protection**
  Applied a penetrating corrosion inhibitor to the concrete and a zinc-rich epoxy primer to exposed reinforcement.





Client Details

Real estate builders, infrastructure authorities, industrial and energy operators, developers and institutions.

Chennai Metro Rail

भारत इलेक्ट्रॉनिक्स
BHARAT ELECTRONICS

राष्ट्र की सेवा में परमाणु
ATOMS IN THE SERVICE OF THE NATION
प ड़ वि
DAE

நீரின்றி அமையாது உலகு
தமிழ்நாடு நீர்வளத்துறை
TNWRD

TATA
TATA PROJECTS

Cem
Commitment, Reliability & Quality

DLF

LARSEN & TOUBRO

EVERSENDAI
Towering–Powering–Energising–Innovating

JAYPEE
GROUP

कर्मयोगी विशिष्यते

KEC
KEC INTERNATIONAL LIMITED

रेल विकास निगम लिमिटेड
Rail Vikas Nigam Limited

Reliance
Industries Limited

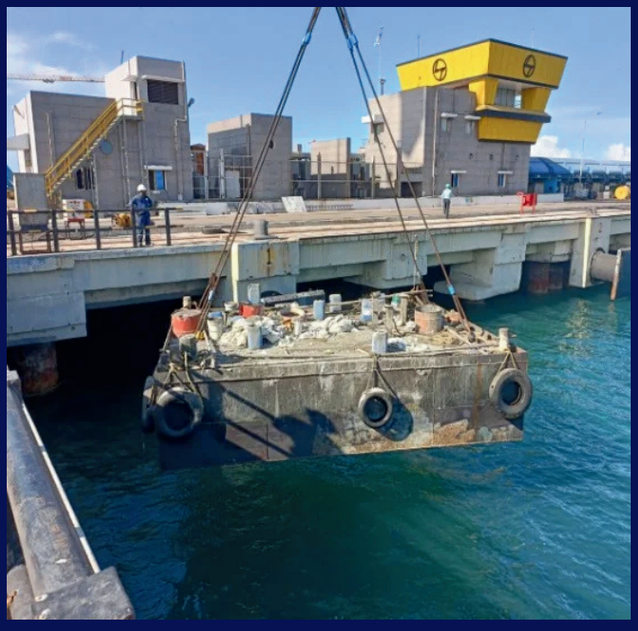
adani™

05 — WHERE WE WORK

Industries We Serve

EVERY STRUCTURE IS UNIQUE. SO IS OUR SOLUTION.

We deliver customised, high-quality solutions tailored to the demands of every project.



Critical Infrastructure

Metro & Rail · Dams · Bridges · Shipyards & Marine



Industrial & Energy

Factories · Power Plants · Nuclear



Residential & Hospitality

Premium Apartments · Individual Villas · Hotels & Resorts



Commercial & Institutional

IT Parks & Office Buildings · Malls & Commercial Complexes · Colleges & Schools · Hospitals & Temples

06 — FOOTPRINT

Serving Pan India

1000+	250+	15+	250+	2008
PROJECTS	CLIENTS	STATES	TRAINED WORKFORCE	SINCE



Overseas - Supreme Court, Mauritius

Extending Top A India's engineering capability beyond domestic borders.

TOP A INDIA
CONTRACTORS

We Don't Say **No.** We **Innovate.**

Let's Connect!!

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SCAN TO CONNECT WITH US