

TOP A INDIA

CONTRACTORS

Specialist in Water Proofing



- **Waterproofing (Basement – Roof)**
- **Injection System**
- **Concrete / Dam Repair & Rehabilitation System**
- **Industrial Flooring System**
- **High Pressure Water jet System**
- **Industrial Pipeline Protective Coating**

www.topaindia.com



Mr.V.Ramamoorthy founder of Top A India Contractors Company is doing a special type of waterproofing works for 12 years in India and overseas. He was worked in Senior Technical Leader in BCS Proken, Signapore. Our Major Waterproofing work in Metro Stations and Tun-nels, Nuclear & Thermal Power plant, Commercial and Residential Buildings, Dam Repair & Rehabilitation work and Shipyard. We have the expertise and resources to manage and create quality solutions for challenging infrastructure projects. We coupled with the training of a permanent workforce of over 250 peoples.

Mission

To provide quality and innovative solutions in waterproofing, fireproofing, flooring and repairs that will enable the construction and maintenance of better engineering structures and buildings.

Vision

To provide quality with cost efficient, covering global standards in all factors that will enable the world class maintenance and construction of better engineering structures and buildings.

Values

The Management of the Company understands the need & service supports required by the customer & strive to attain complete customer satisfaction by way of excellent quality of services.

Our Motto

- * To foster a healthy and mutually beneficial relationship with clients by working closely with them to fully understand their requirements and needs.

- * To establish a mutually beneficial business relationship with manufacturers and suppliers, so as to remain competitive in the latest products and services.

- * To provide regular training to installers and specialists.

- * To provide the necessary tools and right equipment to carry out the works properly.





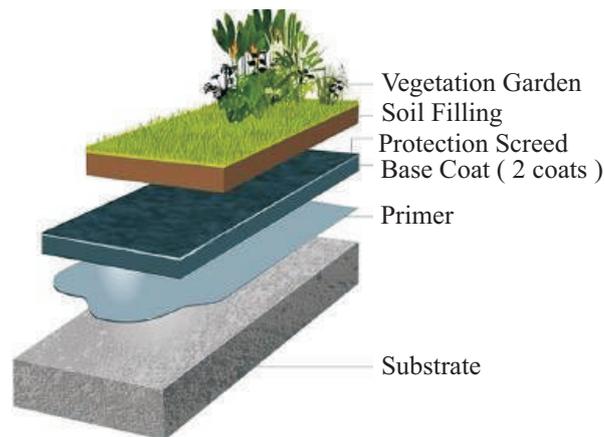
Water Proofing



Waterproofing prolongs the life span of your building by limiting ways that water and moisture can enter through ceiling, walls or floor. If these areas are well protected from water intrusion, the structure can avoid damage such as rust, rotting, corrosion and deterioration.

POLYURETHANE ELASTOMERIC WATERPROOFING MEMBRANE

Single component hand applied polyurethane membrane system provide an easy, fast and sure system for water-proofing and protection of Old & New roofs, Balconies, terraces and Planter area. These are the kind of mem-branes that come in the form of liquid that can be sprayed or brushed onto the surface. By spraying, the liquid forms a monolithic membrane, with no laps, welds or seams.





HYBRID POLYURETHANE SPRAY APPLIED MEMBRANE

Two component hybrid polyurethane waterproofing membrane the combination of both these in a specific design ratio creates a liquid hot applied coating for waterproofing applications. Polyurethane is a rather popular choice due to its ease of installation. It is highly reactive and can only be applied by special, two component spray equipment, and spray for general water-proofing applications such as Terrace, Landscaping, car park decks, podium decks and cut and cover tunneling.





After Completion





POLYURETHANE INJECTION

Injection works have become a key essential part of temporary and permanent works in the fields of tunneling and complex demanding construction projects.

Top A India to create injection/grouting solutions for new & old construction, ground improvement, maintenance, re-pair and renovation of structures.

We provide a full range of specialist construction services in the fields of cementitious and chemical grouting with its integral package of product technology, equipment know-how and on-site practice. Expertise, many years of experience and state-of-the-art specialized equipment makes us competent for your job.

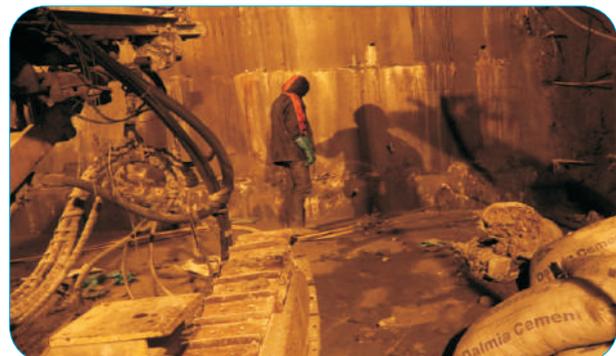
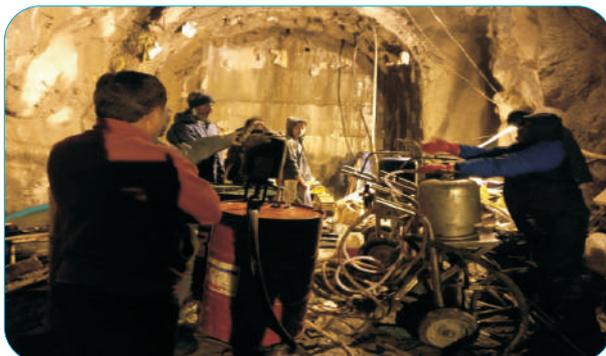
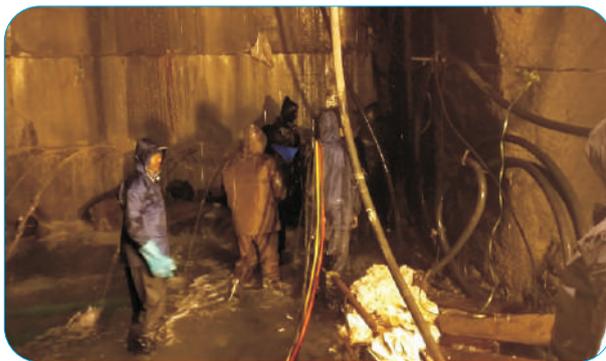
Polyurethane Injections or grouting are often use for the repair of structures, concrete elements or sealing components, where fast-reaction is necessary. The range can varies from a convenient one-component resin for small water sealing jobs to specialist robust multi-component systems to effectively stop massive water ingress problems.

Many of the products for preventing water ingress can be adjusted on site to give varying performance properties to suit the conditions using different accelerators, which requires a high demand on experience, material know-how and equipment technology. Additional requirements on health/safety and durability aspects have to be considered. We offer its service in a wide range of application fields, like.

Field injection, compartment injection in connection with waterproof lining systems

- * Crack Sealing and Concrete Rehabilitation
- * Ground consolidation and stabilization
- * Cavity Filling, Water stopping, Water sealing and permeation

*Trashiding
Hydro Electric Power
Adit Tunnel
Sikkim*





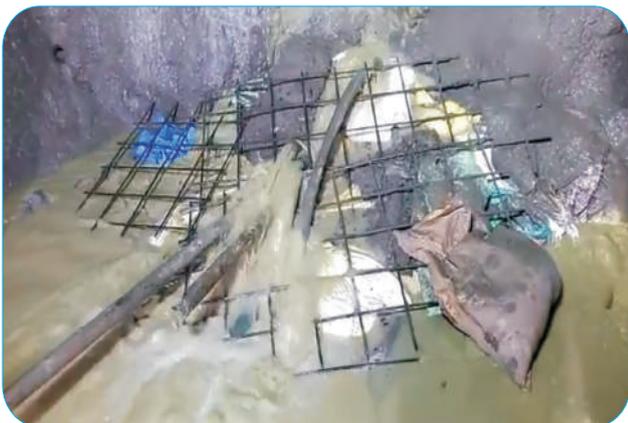
CHENNAI METRO

A cross passage is either built between two tunnels, or can be connected between the tunnel and more commonly known as an escape shaft.

PROBLEM

During excavation of CP there was a heavy ground and sewage water gushing with sub soil into excavation area.

Challenge is to seal the leakages as well to stabilize the loose soil which is collapsing while excavation.



Heavy Water leakage in CP 6





We Dare



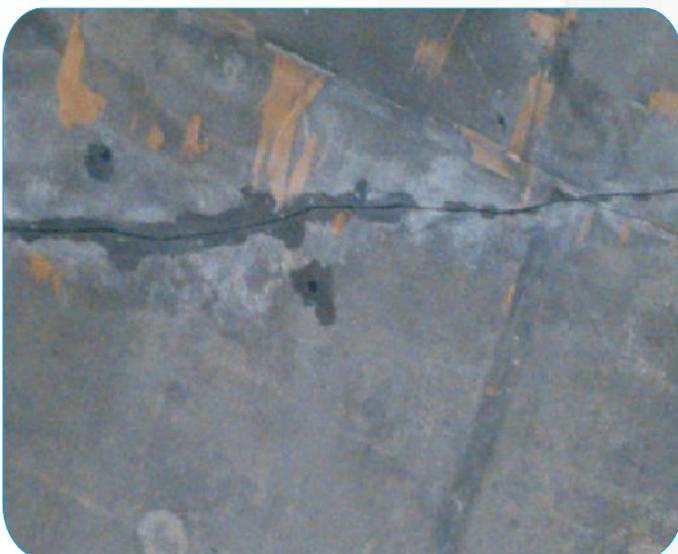
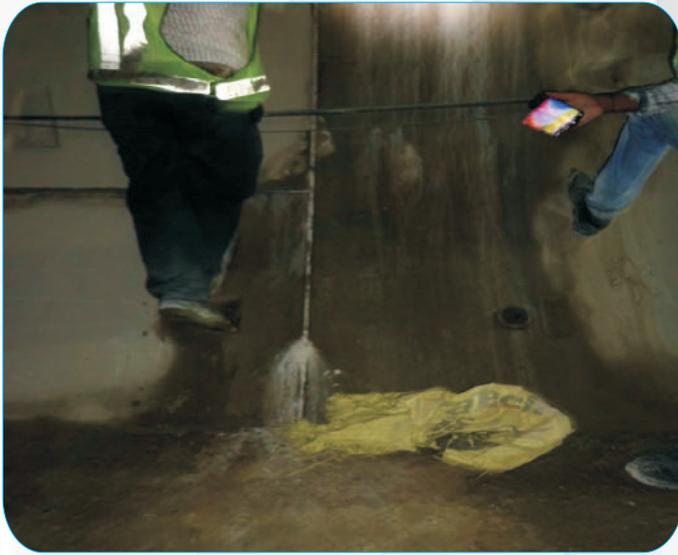
*because
We Care*

***Excavated CP
after injection.***





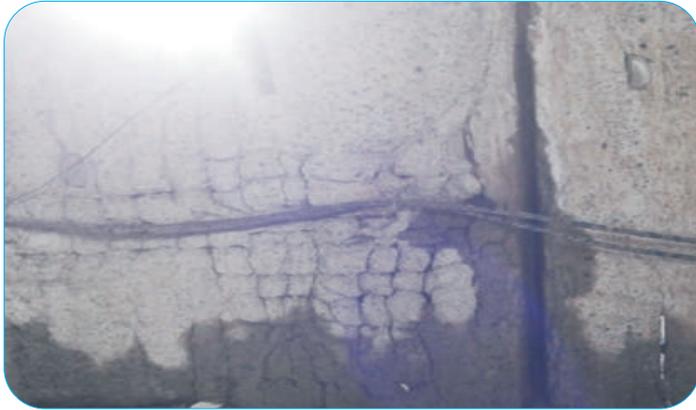
Segment Joints, Honey Combs and Cracks





DIAPHRAGM WALL

AFTER 
BEFORE 





TBM BREAKTHROUGH AREAS



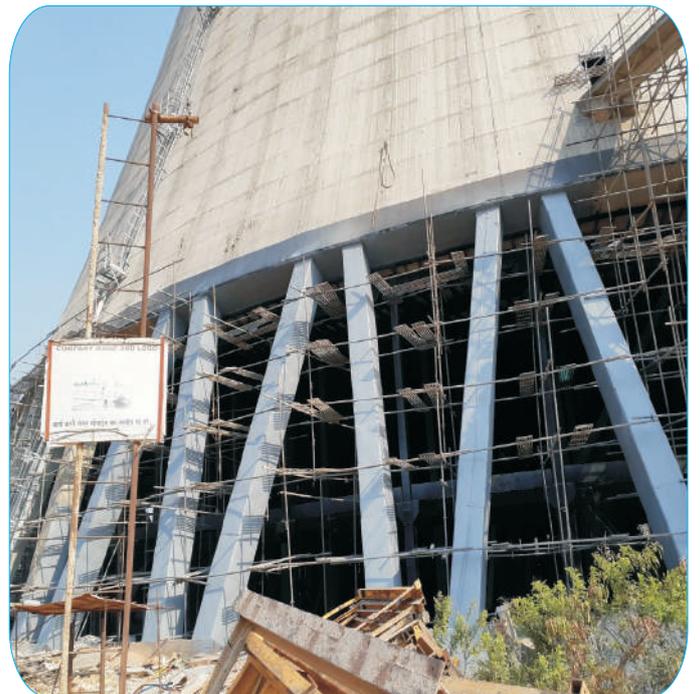
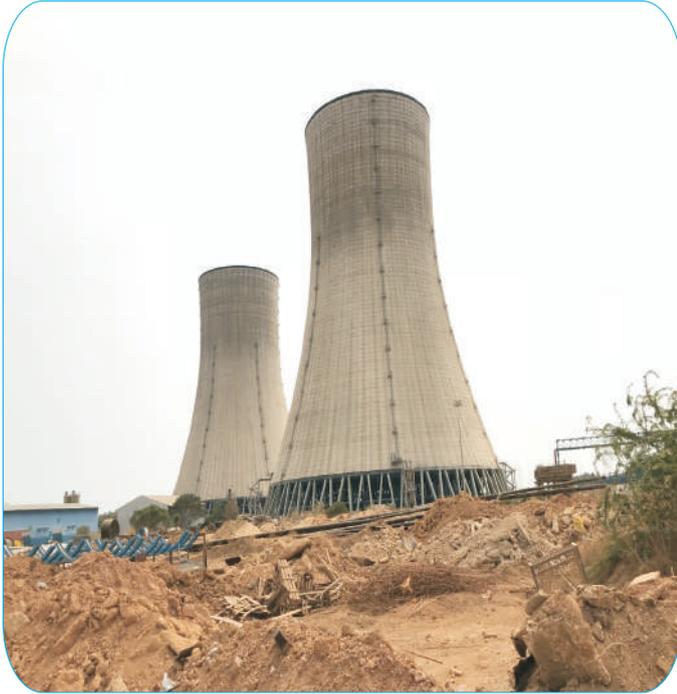
SPECIALLY DESIGNED PERFORATED LANCERS





COOLING TOWER PROTECTIVE COATING

A full range of hydrophobic impregnations and protective coating systems for the protection of the exposed larger areas on cooling towers and chimneys. The Polyurethane technology is an excellent coating and lining system for a variety of cooling tower project works. It has proved to be an effective and successful lining system for many years. Without effective water treatment, a cooling water system can suffer from scale formation, suspended solid deposition, corrosion and fouling problem. This reduces efficiency, shortens plant life and makes operation unreliable and unsafe.





DAM REPAIR & REHABILITATION SYSTEM

Due to the age factor and because of wet and dry conditions the revetment on upstream side was disturbed in almost all dams. Undulation cavity, unequal settlement, heavy growth of bushes and trees found on the upstream side rip-rap area of the dams.

These defects have a severe effect on more seepage of water in the gallery. Because of leaching effect, many drainage holes are blocked and new seepage occurs adjacent to the existing drain-age holes.

The solution to these defects are, the reaming of the blocked holes to remove the lime deposition, leveling the old jetty stone base with Leveling in Stones or with gravel and repacking the area with new and old removed stones in order to have a uniform surface, and treat the Masonry Structures



Racking the Joints Mortar
by using Machine to a depth of 2cm to 5 cm



Cleaning the joints using
High Pressure Water Jet Machine



Cavity Filling Using
Cementitious Micro Concrete



Cement Grouting



Pointing

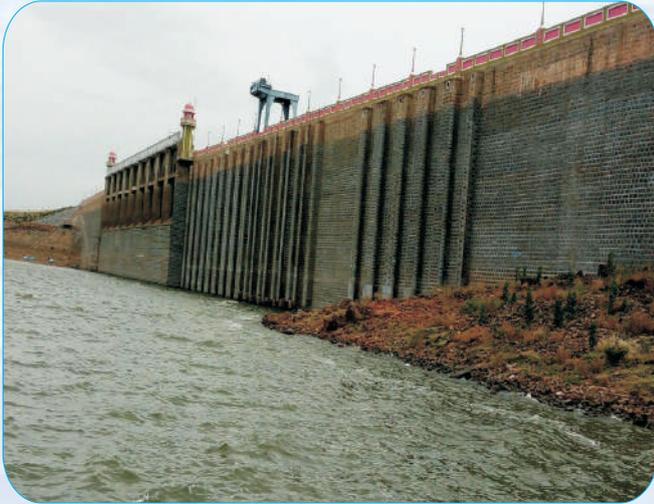


Expansion Joint Treatment





COMPLETED DAMS



Bhavanisagar Dam - Erode



Perunchani Dam - Nagercoil



Porthimund Dam - Ooty



Pechiparai Dam - Nagercoil



Solaiyar Dam - Valparai

REFERENCE OF COMPLETED

S.No	Dam Names	Status
1.	Bhavanisagar Dam - Erode	Completed
2.	Perunchani Dam- Kanayakumari	Completed
3.	Porthimund Dam - Nilgiris	Completed
4.	Sholiyar Dam - Coimbatore	Completed
5.	Ramanathi Dam -Thirunelveli	Completed
6.	Kadana Dam - Thirunelveli	Completed
7.	Chittar 1 - Thirunelveli	Completed
8.	Chittar 2 - Thirunelveli	Completed
9.	Highways Dam -Theni	Completed
10.	Kabini Dam - Karnataka	Completed
11.	Hemavathi Dam - Karnataka	Completed
12.	Pechiparai Dam - Kanayakumari	Completed

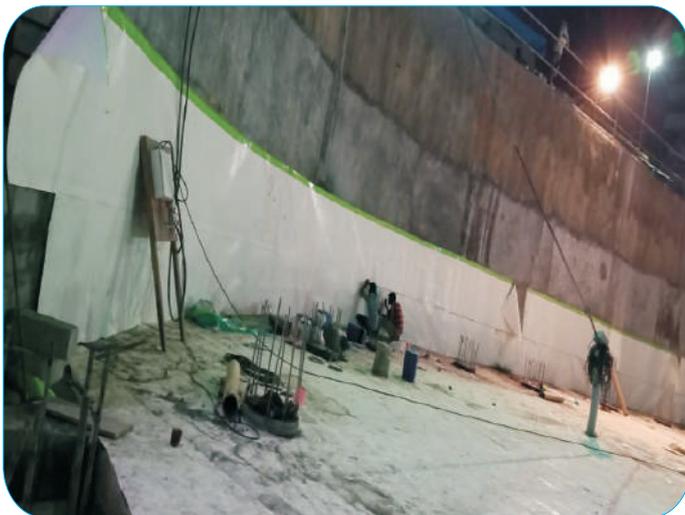




WATERPROOFING MEMBRANE

Waterproofing membranes create seals that prevent water migration between the membrane and the structure in every direction. Pre-applied sheet membrane waterproofing that forms an integral bond to poured concrete for horizontal and vertical applications. The pre-applied membranes adhesively bond to the foundation and shield buildings from water and damaging gas, vapor and moisture.

HDPE MEMBRANE WORK





PVC MEMBRANE WORK - ALIAH UNIVERSITY



PVC MEMBRANE WORK - CHENNAI METRO TUNNEL





HIGH PRESSURE WATER JET SYSTEM

High-pressure water jetting can be used for a wide range of concrete applications. A high flow high pressure water jet can cut through concrete by eroding the cement. At high pressure with a lower flow, water can actually remove coatings without damaging the sound concrete below. Add an abrasive to the jet and water can completely cut through a concrete slab with rebar inside.





SUPREME COURT MAURITIUS





CEMENTITIOUS ELASTOMERIC WATERPROOFING COATING

Two component cement based waterproofing and concrete protection system for specialized structures like dams, bridges, cul-verts, tunnels and all hydraulic structures where the water pressures are very high .It is fully suitable for normal waterproofing re-quirement of terraces, park places, basement, Swimming pools, sanitary areas etc. When two components are mixed and applied, the film formed is thick elastic membrane with degree of abrasion and chemical resistance. It is most suitable for protection from chloride attacks.





CONCRETE REPAIR & REHABILITATION

Concrete provides strength and stability to structural members of buildings, bridges, water retaining structures, sewerage treatment plants, wharves, etc. Therefore it is very important to protect concrete and any deterioration or damages must be repaired promptly in order not to compromise the structures integrity

Concrete rehabilitation specially in critical infrastructures is as important as any other maintenance activity and must be carried out in a timely manner. Repairs performed at early stage would save extremely expensive re-dedication that may become necessary at latter stages.

Deterioration of concrete can be broadly categorized into cracking, spalling and corrosion. There are several causes for concrete deterioration and the main cause can either be carbonation or chloride induced corrosion of steel reinforcements or both.

Rehabilitation or repair involves the removal of deteriorated, damaged or defective concrete and then carrying out an appropriate repair procedure. Recommended repair procedures for controlling reinforcement corrosion are classified as follows:

- Cathodic protection, chloride extraction and re-alkalization systems;
- Coating of steel reinforcement;
- Crack repair (epoxy/chemical/cementitious grout injection)
- Moisture barrier system (protective coating);
- Patch repair system using an epoxy or cementitious repair mortar





L&T's Shipyard at Kattupalli, Chennai



L&T KATTUPALLI SHIPYARD





OUR ESTEEMED CLIENT LIST

S.NO	CLIENT	PLACE	WORK
1.	LARSEN & TOUBRO, ECC DIVISION- METRO	CHENNAI METRO RAIL PROJECT	GROUTING - LEAKAGE ARRESTING
2.	LARSEN & TOUBRO-SUCG JV	CHENNAI METRO RAIL PROJECT	SEGMENT JOINT LEAKAGE
3.	TRANSTONNELSTROY-AFCONS-JOINT VENTURE	CHENNAI METRO RAIL PROJECT	ARRESTING, CRACK REPAIRING
4.	GAMMON INDIA LIMITED - METRO	CHENNAI METRO RAIL PROJECT	GROUTING - LEAKAGE ARRESTING
5.	DIDA ENTERPRISES	KOLKATA METRO RAIL PROJECTS	GROUTING - LEAKAGE ARRESTING
6.	SIDDHA GROUP	KOLKATA	WATERPROOFING
7.	DANS GROUP	WEST SIKKIM	PU INJECTION - LEAKAGE ARRESTING
8.	EVERSENDI CONSTRUCTION PVT LTD	CHENNAI	TERRACE WATERPROOFING, BASEMENT WATERPROOFING, SUNKEN WATERPROOFING, INJECTION
9.	GOKULAM GROUP	CHENNAI, KERALA	TERRACE WATERPROOFING
10.	PHOENIX MALL	CHENNAI	SUNKEN WATER PROOFING, INJECTION, WATER PROOFING
11.	RELIANCE LTD	CHENNAI	WATERPROOFING
12.	EA SHOPPING MALL	CHENNAI	PODIUM WATER PROOFING, INJECTION, SUNKEN WATERPROOFING
13.	PSK CONSTRUCTION	CHENNAI	TERRACE WATERPROOFING, BASEMENT WATERPROOFING, SUNKEN WATERPROOFING, INJECTION
14.	M+W GROUP	CHENNAI	WATERPROOFING, REPAIRING, INJECTION
15.	NEYVELI LIGNITE CORPORATION LTD	NEYVELI	COOLING TOWER PROTECTIVE COATING
16.	TVS GROUP	CHENNAI	WATER PROOFING, REPAIRING
17.	AKSHAYA HOMES	CHENNAI	WATER PROOFING, REPAIRING
18.	LULU MALL	KOCHIN, KERALA	INJECTION - LEAKAGE ARRESTING
19.	BRIGADE GROUP	BANGALORE	TERRACE WATERPROOFING
20.	RPP GROUP	MAURITIUS	WATER PROOFING, REPAIRING
21.	KARA ONECREST	CHENNAI	INJECTION, REPAIRING, WATER PROOFING
22.	GAMMON INDIA LIMITED	KALPAKKAM	INJECTION, REPAIRING, LEAKAGE ARRESTING
23.	KIRLOSKAR BROTHERS LIMITED	KALPAKKAM	INJECTION, REPAIRING, LEAKAGE ARRESTING
24.	BECC PVT LTD, BHAVINI PROJECT	KALPAKKAM	INJECTION, REPAIRING, LEAKAGE ARRESTING
25.	NUCLEAR POWER CORPORATION OF INDIA LTD	KALPAKKAM	INJECTION, REPAIRING, LEAKAGE ARRESTING
26.	IGCAR	KALPAKKAM	INJECTION, REPAIRING, LEAKAGE ARRESTING
27.	LARSEN & TOUBRO, ECC DIVISION	KATTUPALLI SHIPYARD CUM PORT	JETTY REPAIRING WORK
28.	SIVASWATHI CONSTRUCTIONS PVT LTD	LEAKAGE ARRESTING WORK AT MAYANUR	BARRAGE LEAKAGE REPAIRING WORK
29.	INFOSYS LIMITED MAHINDRA SEZ - CO DEVEP	CHENNAI, KERALA, MANGALORE, BHUBANESHWAR	ROOF/PODIUM WATERPROOFING, INJECTION
30.	RESERVE BANK OF INDIA	BROADWAY	ROOF WATERPROOFING
31.	ALLISON TRANSMISSION INDIA PRIVATE LTD	SIPCOT Industrial Growth Centre	INJECTION
32.	HIRANANDANI PALACE GARDENS PVT LTD, CHENNAI	PALLIKARANAI	WATER PROOFING, INJECTION, REPAIRING
33.	ETA TECHNOPARK LIMITED - SEZ	CHENNAI	WATER PROOFING, INJECTION, REPAIRING



34.	S & S FOUNDATIONS PVT LTD	CHENNAI	SUNKEN WATERPROOFING, ROOF ATER PROOFING, CORE PACING, INJECTION
35.	HARITA PROPERTIES PVT LTD	CHENNAI	SUNKEN WATERPROOFING, ROOF WATERPROOFING, CORE PACKINGS, INJECTION
36.	VGN HOMES PVT LTD	CHENNAI	TERRACE WATERPROOFING
37.	PEPSICO	KOLKATA	TERRACE WATERPROOFING
38.	FABWORTH PROMOTORS PVT LTD - MANI GROUP	JW MARRIOT HOTEL & SERVICE APPARTMENT, KOLKATA	TERRACE WATERPROOFING
39.	SHARPOOJI PALLANJI & CO LTD	CHENNAI	TERRACE WATERPROOFING, GROUTING, EXPANSION JOINT TREATMENT
40.	URC CONSTRUCTION PVT LTD	ERODE	WATERPROOFING, INJECTION, REPAIRING
41.	NAPC LIMITED	CHENNAI	TERRACE WATERPROOFING, BASEMENT WATERPROOFING, SUNKEN WATER PROOFING, INJECTION
42.	AMALORPAVAM EDUCATION WELFARE SOCIETY	PONDICHERRY	TERRACE WATERPROOFING, BASEMENT WATER PROOFING, SUNKEN WATER PROOFING, INJECTION
43.	VISHWA INFRASTRUCTURE & SERVICES PVT LTD	CHENNAI	WATERPROOFING
44.	SEW INFRASTRUCTURE PVT LTD	HYDERABAD	WATERPROOFING
45.	SHREE MANICKAM INFRA STRUCTURE PVT LTD	CHENNAI	WATERPROOFING
46.	SAINT- GOBAIN GLASS INDIA LTD	SRIPERAMBATHUR	WATERPROOFING
47.	GEO FOUNDATION & STRUCTURES PVT LTD	CHENNAI	WATERPROOFING
48.	MAPS	KALPAKKAM	GROUTING, LEAKAGE ARRESTING WORK
49.	NAGARJUNA POWER CORPORATION LIMITED	SAKLESHPUR	GROUTING, LEAKAGE ARRESTING WORK
50.	THERMAX POWER LIMITED	MANGALORE	GROUTING, LEAKAGE ARRESTING WORK
51.	UDUPI POWER CORPORATION LIMITED	MANGALORE	GROUTING, LEAKAGE ARRESTING WORK
52.	ITC LIMITED	BANGALORE	TERRACE WATERPROOFING
53.	PRPD	KALPAKKAM	TERRACE WATERPROOFING
54.	PRINCE FOUNDATIONS	CHENNAI	TERRACE WATERPROOFING, STP & WTP WATERPROOFING
55.	BIOCON LIMITED	BANGALORE	WATERPROOFING
56.	KKNPP	KUDANGULAM	REPAIRING WORK
57.	S.SUBRAHMANYAN CONSTRUCTION CO PRIVATE LTD	CHENNAI	BASEMENT WATERPROOFING WORK
58.	BIL INFRA LIMITED	KOLKATA	BASEMENT WATERPROOFING WORK
59.	INDIA CEMENTS LIMITED	SALEM	GROUTING, LEAKAGE ARRESTING WORK
60.	LANCO INFRATECH LTD	CHENNAI	PU INJECTION - LEAKAGE ARRESTING
61.	ASCENDAS IT SEZ(CHENNAI) PVT LTD	CHENNAI	WATERPROOFING
62.	RR THULASI BUILDERS	ERODE	TERRACE WATERPROOFING
63.	CCCL TAMARA HOTEL	TRIVANDRAUM	TERRACE WATERPROOFING, BASEMENT WATERPROOFING, SUNKEN WATERPROOFING, INJECTION
64.	DIAGNO PROJECT (BECONS)	ASSAM	TERRACE WATERPROOFING
65.	GAS PROJECTS INDIA PVT LTD	MUMBAI	REPAIRING WORK,INJECTION
66.	GBJ HOTELS PRIVATE LTD	COIMBATORE	PU INJECTION - LEAKAGE ARRESTING



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