

AQUARREST SYSTEMS

Engineering Excellence. Since 1990

aquarrest



- ▶ **Epoxy & PU Floorings**
- ▶ **Waterproofing**
- ▶ **Synthetic Roofing**
- ▶ **Structural Repairs**
- ▶ **Anticorrosive Treatments**
- ▶ **Sealant Applications**
- ▶ **Protective Coatings**
- ▶ **Fireproofing Applications**
- ▶ **Anchoring and Re-barring**

About us . . .

AQUARREST SYSTEMS specialises in Epoxy & PU Flooring, Waterproofing, Structural Repairs, Anticorrosive Treatments, Fire Proofing and Anchoring applications and other specific areas in construction field.

The firm was formed by Avinash Patil and Shailesh Chaudhary – both qualified engineers in the Polymer and Mechanical field.

With over twenty years of experience, Aquarrest has numerous credentials which have added value to its pride.

We are involved with Atomic Power Plants, Hydroelectric Power Projects, Dams, Airports, Bridges, Aqueducts, Hotels, Industrial and Commercial buildings etc. for their specialized requirements

All equipments, machineries, tools & tackles required for the jobs and testing are owned by us and we are not dependent on third parties for the same.

Our staff are fully employed and trained and we do not engage sub-contractors for our specialised works.

Drawing from past experience, we endeavor to provide honest professional services to both end-users and main contractors alike and to give our clients value for money and total customer satisfaction for every job we undertake.

Why AQUARREST SYSTEMS . . .

Since our inception we are known, trusted and recommended for :

- ▶ Assessing the requirements and problems in the above cited areas
- ▶ Using most advanced procedures and innovative products during execution of the works
- ▶ Carrying out the jobs with highest degree of workmanship and quality
- ▶ Executing jobs within a predetermined time schedule
- ▶ Application of Engineering knowledge during executions
- ▶ Observing EHS Policies during works execution
- ▶ Following business ethics and conducts

Unique Service Offered . . .

Restoration of Industrial Flooring

Engineering Excellence in the field of EPOXY and POLYURETHANE based Floor Topping Solutions

Zero Dust Concept !

Removal of damaged / worn out / cracked / delaminated floor coatings and relaying of Epoxy / PU Systems, without any Dust Formation.

Proud Association with SIKA India Pvt. Ltd.

AQUARREST SYSTEMS is proudly associated with SIKA India Pvt. Ltd. as their Channel Partners and Authorised Applicators.

Ours is an exclusive association with SIKA as their preferred Applicators, especially for Flooring Jobs

SIKA is one of the global pioneers and leaders in the field of construction chemicals ranging from specialty concrete additives, protection, damping, reinforcing to waterproofing since 1910. Sika AG is a Swiss multinational with a 100% subsidy in India, Sika India Pvt.Ltd., having six manufacturing plants, twelve branch offices and corporate office in Mumbai.

Sika India is also the first construction chemical company in India to have ISO 9001 and ISO 14001 certification.

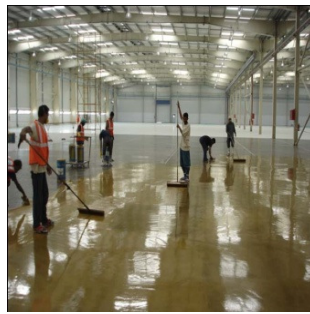
SIKA's corporate value is " Building Trust "

In 2014, Sika generated annual sales of CHF 5.57 billion.



What Aquarrest Systems can do for you ...

Floor Toppings



The Floor Topping and finishings includes

- ▶ Epoxy based Self Leveling
- ▶ Multi Colored & Textured
- ▶ Antiskid / Abrasion Resistant
- ▶ Solvent less Coatings
- ▶ Polymer based underlay
- ▶ Polyurethane based toppings
- ▶ Epoxy Screeds
- ▶ Antistatic Conductive & Dissipative

Salient Properties

- ▶ Smooth, Monolithic, Joint less
- ▶ Solvent free, easy to clean
- ▶ Does not support bacterial growth
- ▶ Chemical & abrasion resistant
- ▶ Excellent adhesion to concrete
- ▶ Multi colored & Textured
- ▶ Antistatic Conductive & Dissipative OR Insulating
- ▶ Aesthetically attractive

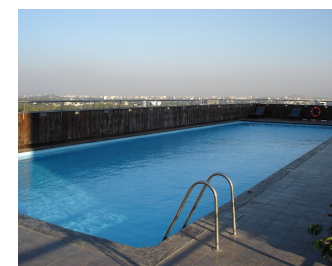
Areas of applications . . .

- ▶ Engineering Industries
- ▶ Pharmaceutical Industries
- ▶ Food Processing and Dairy Units
- ▶ Hydro / Nuclear Power Plants
- ▶ Electronic & Automobile Industries
- ▶ Hospitals & Clean Rooms
- ▶ Computer Rooms & Warehouses
- ▶ Battery Rooms & LPG Filling Areas



Sika, our principal, for over the past 40 years has been producing the widest range of flooring systems for all types of production areas across manufacturing industries for both new construction and refurbishment projects. We are backed by their global expertise and technical support.

Waterproofing



Aquarrest Systems has the proven capabilities and expertise to provide you with permanent solutions to waterproofing requirements.

Waterproofing jobs are carried out with performance guarantee using latest techniques and materials.

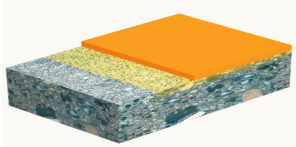
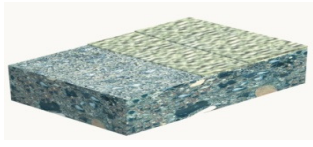
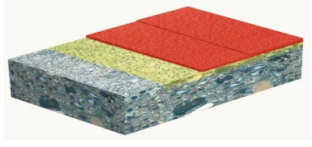
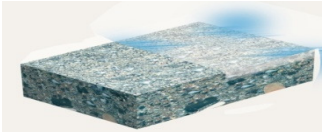
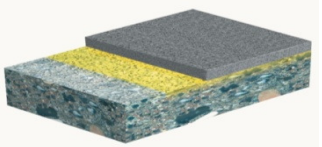
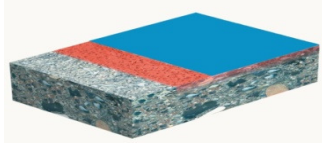
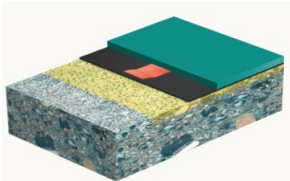
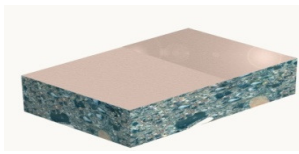
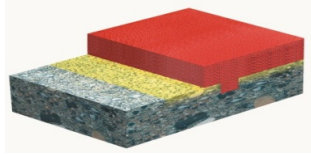
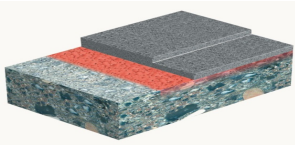
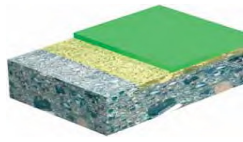
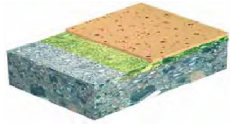
Pressure Injection Epoxy and Polyurethane Grouting for leaking underground structures is our special focus area.

Areas of applications . . .

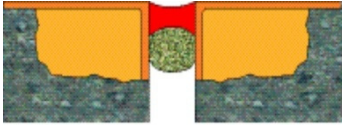
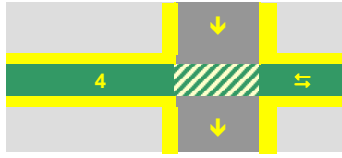
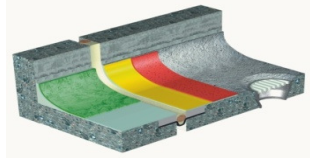
- ▶ All types of Roofs and Terraces
- ▶ Swimming Pools
- ▶ Basements
- ▶ Retaining Walls, Podiums
- ▶ Tunnels, Dams, Reservoirs
- ▶ Treatment Plants
- ▶ Water Retaining Bodies
- ▶ Terrace Gardens and Planters













Floor Toppings for New and Old Concrete Floors

The Floor Topping and finishing includes . . .

Epoxy Self Smoothing	Textured Antiskid	Abrasion Resistant
		
Dustproof Concrete Sealing	Epoxy Screed Underlay	Dustproof Coatings
		
Antistatic Conductive	Cleanroom Floor Coatings	Polyurethane Screed
		
Substrate Moisture Control Screed	Chemical Resistant	Decorative Coloured Screed
		

Other Ancillary treatments include . . .

Sealing Expansion/Seperation Joints	Floor Demarcation and Pictograms	Covings
		

Salient Properties	 Impact Resistant	 Antistatic/Insulating	 Hygiene
	 Fire Resistant	 Chemical Resistant	 Multiple Colours
	 Slip Resistant	 Impermeability	 Cleaning & Maintenance
	 Abrasion Resistant	 Moisture Barrier	 Rapid Curing

Areas of Application

- ▶ Engineering Industries
- ▶ Pharmaceutical Industries
- ▶ Food Processing and Dairy Units
- ▶ Hydro / Nuclear Power Plants
- ▶ Electronic & Automobile Industries
- ▶ Hospitals & Clean Rooms
- ▶ Computer Rooms & Warehouses
- ▶ Battery Rooms & LPG Filling Areas

What Aquarrest Systems can do for you ...

Structural Repairs



Damages to RCC and other structures are mainly caused due to

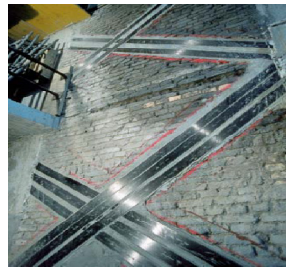
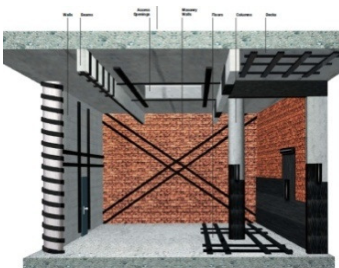
- ▶ Ageing
- ▶ Chemical Attack
- ▶ Impact and abrasion
- ▶ Environmental Salinity
- ▶ Honeycombing
- ▶ Explosion and Fire
- ▶ Water Seepage
- ▶ Uneven loading
- ▶ Earthquake

Aquarrest Systems is involved in Cement Concrete Structural Repairs since its inception. We endeavor to provide solutions to restore the damaged structures using latest technologies so as to enhance the life expectancy of the structures.

Over the years we have developed expertise in below types of treatments :

- ▶ **Epoxy based Mortaring, Grouting etc.**
- ▶ **Polymer Modified Mortars**
- ▶ **Microconcreting**
- ▶ **Carbon Wrapping**

Structural Strengthening



We use SIKA's CarboDur CFRP Plates, Wraps and high strength adhesives for following types of structural strengthening of Cement Concrete Structures

- ▶ Flexural
- ▶ Shear
- ▶ Impact
- ▶ Blast
- ▶ Seismic
- ▶ Stiffening
- ▶ Deflection
- ▶ Fatigue

Strengthening Techniques

- ▶ Carbon Wrapping
- ▶ Microconcreting
- ▶ Polymer Concreting
- ▶ Epoxy Mortaring and Grouting
- ▶ Rebaring
- ▶ Seismic Retrofitting

Underwater works

- ▶ Treatments to upstream faces of dams and water retaining structures
- ▶ Online leakage control and emergency repairs to various elements of Hydro, Thermal and Atomic Power Projects
- ▶ Desilting of critical areas



What Aquarrest Systems can do for you ...

Sealant Applications

Polyurethane, Silicon, Polysulphide & Acrylic Sealants for Skylights, Window Frames, Glazing etc.

Treatments for Expansion, Isolation and Earthquake joints.



Anticorrosive, Chemical Resistant Treatments



Chemical attack is a common problem in Chemical, Fertilizer and allied industries. Damages due to this to various structures often leads to loss of manufacturing owing to shut-downs.

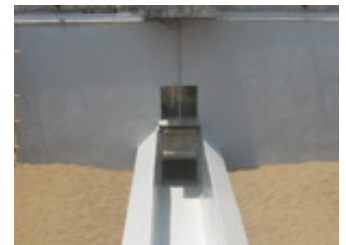
Aquarrest Systems offers you a more diverse and comprehensive protection system to suit your specific requirements to combat chemical attacks.

Anticorrosive Treatments includes

- ▶ FRP Linings using Epoxies, Vinyl Ester, Bisphenol etc.
- ▶ Acid and Alkali Resistant Mortars
- ▶ Various Polymer Coatings
- ▶ Acid and Alkali Resistant Tiles

Protective Coatings

- ▶ Protects structures against attack from heavy rains, salination etc.
- ▶ Does not support growth of algae and fungus
- ▶ Excellent color and gloss retention
- ▶ Non yellowing and UV resistant
- ▶ Excellent adhesion with sealing properties



Fire Proofing Applications

Firestopping is the use of passive fire-protection system of various components to seal openings with fire-rated materials in walls, floors/ceilings to compartmentalise the building. Without firestopping, these openings become the pathways in buildings and allow fire to travel through them freely and quickly.



Applications

Permanent firestop seals in small and medium-sized openings

- ▶ Cable trays, bunched and single cables
- ▶ Openings accommodating pipes and cables
- ▶ Annular space around HVAC duct, Insulating and non insulating Metal pipes
- ▶ Expansion Joints and Connection Joints

Advantages

- ▶ Can reduce total installed cost
- ▶ Faster than traditional batt and mastic - no need to frame-out drywall openings
- ▶ Clean and simple to install - a reliable firestop seal with only one product
- ▶ Easy subsequent installation of additional cables
- ▶ Flexible foam structure allows movement
- ▶ Age tested upto 30 years
- ▶ Acoustic, smoke and firestopping with one system

Some of the Prestigious Jobs Executed

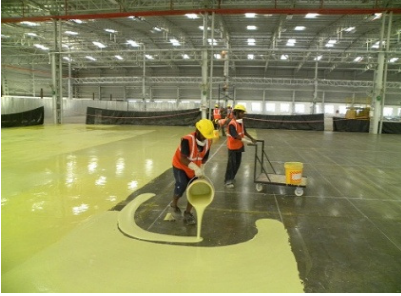
Over 6,00,000 Sq.Mtr. Floor Topping



MERCEDES BENZ

Self Levelling Epoxy Floor Toppings,
Chemical Resistant Coating,
ESD-Antistatic Flooring.
Antiskid Flooring
More than 1,00,000 SQM Area Done.

Ancillary items like Walking Man Symbols, Zebra Crossings etc.



BOSCH LIMITED

Heavy Duty Self Levelling Epoxy Flooring for
New Project and Existing Shop Floors.
More than 18000 SQM area done.

Expansion Joint Sealing work.



ENDRESS + HAUSER Ltd.

Medium Duty and Antistatic Conductive Epoxy
Flooring meeting stringent quality checks of
E+H for both Plants at Aurangabad.



TATA MOTORS

Heavy Duty Self Leveling Epoxy Flooring.
Over 45000 SQM area done.



NIPRO CORPORATION

Anti-fungal, antibacterial, dustproof Epoxy
based floorings, Chemical Resistant Lining.
Over 40000 Sq.Mtr. area done.



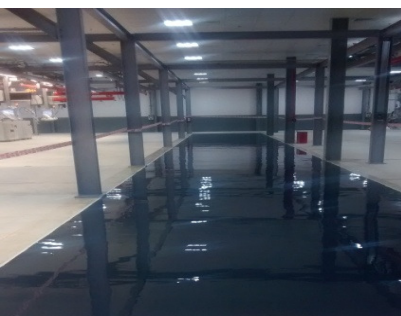
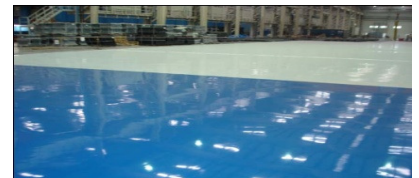
SANDVIK ASIA Ltd.

Self Levelling Epoxy Flooring at
Pune and Chiplun plants.



GE INDIA

More than 40000 SQM of Self Levelling
Dustproof Epoxy Floor Topping, Chemical
Resistant Coating, ESD Flooring.



TARAPUR, KAIGA & NARORA ATOMIC POWER PLANTS

Self Levelling Epoxy Flooring along with Epoxy
Screed and Epoxy Coating etc. at Turbine
Operating Floors and other critical areas of the
plants.

Electrical Insulating Epoxy based Flooring at
Control Rooms, Panel & Battery Rooms.



Some of the Prestigious Jobs Executed

Structural Repairs and Strengthening



LODHA BELMONDO

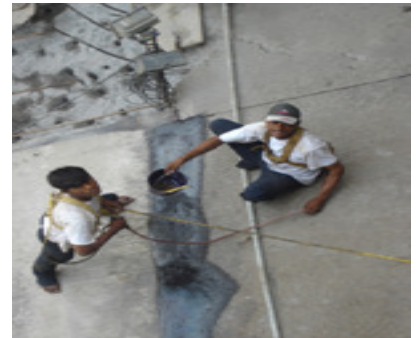
SIKA CarboDur Carbon Fiber Wrapping for strengthening of RCC columns at building No.12 of residential complex at Gahunje, Pune

Rebaring and column strengthening by microconcrete.



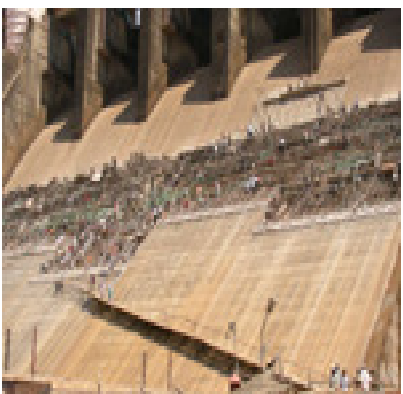
TATA ELECTRIC COMPANIES Bhira, Bhivpuri & Khopoli Projects

Rehabilitation and repairs of 6 km. long concrete Tunnel using Epoxy Resin systems. Repairs of concrete Anchor Blocks with Epoxy Grouting. Rectification of underground structures (Up to 40 M. below G.L.) using Epoxy Grouting Technique.



INDIAN RAYON, VERAVAL

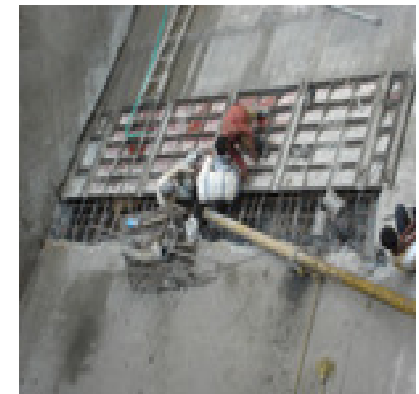
Repairing of damaged Concrete due to weathering. The exposed reinforcement was protected by chemical resistant coating. Chemical resistant FRP lining to floor, trenches, walls, M/C. foundations, etc.



LAKE TAPPING AT KOYNA DAM

Underwater Repairs to Block Joints using Epoxy and Rubber Seals. Application of Epoxy Bond coats and Epoxy Mortar Filling for cold joints of 130 Mtr deep Surge Shaft

Koyna Dam lake tapping, which was first of its kind in India, Aquarrest was involved in - Epoxy based Bond Coats, Epoxy Mortar applications for critical areas

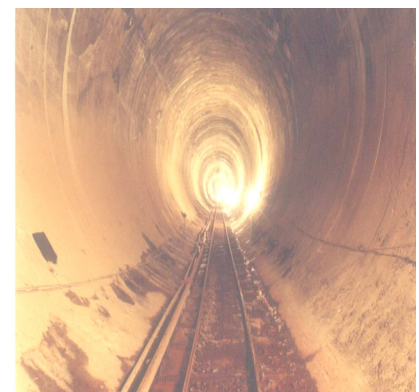


KAKRAPAR ATOMIC POWER PLANT

Leakage Control treatment for underground Stressing Galleries of Reactor buildings.

Water Seepage control treatments for Calendria Vault.

Grouting and repairs to spent Fuel Transfer Ducts.



Some of the Prestigious Jobs Executed

Over 25 Years of Waterproofing Experience



BOSCH - NASHIK and CHAKAN

SIKA Sarnafil PVC membrane Water Proofing for Admin building's inverted beam terraces, Flat Terraces of utility rooms. More than 4000 SQM Area done.

Liquid Applied Membrane type Waterproofing on canteen and admin buildings.



SALPE AQUADUCT

Epoxy Grouting and Food Grade Epoxy Coating to SALPE Aqueducts.



TARAPUR, KAIGA & NARORA ATOMIC POWER PLANTS

Leakage Control treatment by Epoxy Grouting for underground Stressing Galleries of Reactor buildings. Water Seepage control treatments for Calendria Vault.



GODREJ PROPERTIES

Waterproofing Treatments to double basement parking basements, Lift Pits, Ponds, Kitchens, overhead and underground water storage tanks. Sealing of underground conduit openings and expansion joints.



MUMBAI INTERNATIONAL AIRPORT

Water Proofing and Structural Repairs to Mumbai International Airport's - Cargo Complex and Residential Colonies



KOYNA/GHATGHAR HYDRO PROJECT

Stopping Leakages at Lake Taps, Cable Tunnel, HRT, TRT and other important RCC Underground & Underwater Concrete Structures viz. 80 Mtr. deep Ventilation and Bus Shafts, Penstock Sluice Gates etc.



SANDVIK ASIA - PUNE, CHIPLUN

Waterproofing of Corrugated metal sheet Roof using 1.5mm thick Self-adhesive SBS Membrane with aluminium foil.



Some of the Prestigious Jobs Executed

Chemical Resistance, Anticorrosive and Protective Coating



VBC INDUSTRIES LTD., A.P.

Chemical resistant protective FRP lining to 46 Mtr. high Ammonium Nitrate prilling tower.



INDIAN RAYON & INDUSTRIES LTD.

Chemical resistant FRP lining/coating to floor, trenches, columns, slabs,walls, Machine foundations. Repairs and restoration of concrete, masonry structures damaged by excessive chemical attack and highly corrosive environment. Anticorrosive Chemical Resistant Epoxy Coating for clarifiers, Chemical resistant Epoxy Mortar Screed etc.



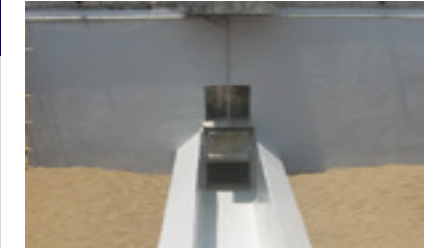
HINDUSTAN MAX-GB LIMITED

Epoxy based chemical resistant protective lining and coating to RCC storage tanks at Effluent Treatment Plants.



B.M.C. - Water Treatment Plants

Food Grade antifungal Epoxy Protective Coating treatment to Filter Beds and Settling Tanks of Panjrapur WTP. Repairs of tanks with polymer modified mortars was also done.



Fire Proofing Applications using HILTI FireStop Products and Anchoring and Rebaring Jobs



WIPRO LIMITED - Hinjewadi
Endress+Hauser Instrumentation Ltd.
LG India
LODHA Group




Fortune Hotel, LAVASA
TAJ Residency Hotel-Goa
NIPRO CORPORATION
COEP Girls' Hostel



JOTUN India Pvt. Ltd.
JABIL Circuits Ltd.
MERCEDES BENZ
TCS - Hinjewadi






VBC INDUSTRIES LIMITED
Phone: 2154 Grams: VeeBeeCee P. O. Box 67, Sriakulam-532 001

S. MADHUSUDHANA RAO
Vice President

Dt. 12-10-1992

TO WHOM SO EVER IT MAY CONCERN

This is to certify that M/s AQUARREST Systems, Pune has successfully completed FRP Epoxy lining work in our Ammonium Nitrate Plant Prill Tower of 47 meters height and 4.51 meters diameter, under the supervision of Dr.Beck & Co, successfully, to our satisfaction.




27th June 2000

TO WHOMSOEVER IT MAY CONCERN

We here certify that M/s. Aquarrest Systems, 10/23, Anandnager, Paud Road, Kothrud, Pune - 411029, have executed the job of Chemical Resistant FRP Lining at our Continuous Viscose Fibre Yarn Project (CVFY) during the year 1997-98 worth Rs. 50,24,746.2000 by using combination of Epoxy Resin systems manufactured by Schenectady Beck (I) Ltd., and Vinyl Ester Resin Systems manufactured by Bakelite Hylam Ltd.

The job was executed to full satisfaction following all norms of Quality and Safety stipulated by the Consultant and client. The system has shown excellent performance to this date.



न्यूक्लियर पावर कारपोरेशन ऑफ इंडिया लि.
(भारत सरकार का उद्यम)
सायनुर परमाणु विद्युत परियोजना 3 एवं 4
NUCLEAR POWER STATION OF INDIA LTD.
(A Government Of India Enterprise)
TARAPUR MAHARASHTRA SITE
TARAPUR ATOMIC POWER STATION - 3 & 4

डाक : टी.ए.पी.पी., वाया बोर्डर (पं.रे.)
शि. वाया, (महाराष्ट्र) - 401 504 Dist. Thane (Maha.) 401 504.
दूरभाष Telephone : (02525) 28205 - 282058 - 2259
फैक्स Fax. : 02525 - 282072
वेबसाइट website : www.tapp94.com &
www.npsll.org
ग्राम Gram : ATOMPOWER -Boisar - Thane

Date: 27/09/06

Completion Certificate

Name of Work : Insulating Self Leveling Epoxy Flooring in Electrical Bays, Battery Rooms, Switchgear Rooms and other areas of TAPP-3&4.

Name of the contractor : M/s Aquarrest Systems

Work Order No. : TAPP-3&4/O&M(Civil)/2005/W.O./033, dtd. 20/04/06

Work Order Value : Rs. 87,54,817/-

Actual value of work done : Rs. 89,44,720/-

Start Date of Work : 20/04/06



A DIVISION OF ROHAN GROUP

Ref No:RBIPL:ENA:16195:2010.
Date :Thursday, July 29, 2010.

To,
M/s. Aquarrest Systems
1 B, Vijayalaxmi Apartments,
90, Rambaug Colony,
Paud Road, Kothrud,
Pune - 411 038.


The Roanite, 1st Floor,
505, Bhamburda Infralite Road,
Pune - 411 004, Maharashtra, India
Telephone : 91-20-41402140, 25509936
Fax : 91-20-23899939
Email : roan@roanbuilders.com

PERFORMANCE CERTIFICATE

Dear Sir,

This is with reference to the P. O. No. 5500387 dated November 18, 2009 and your application dated for Performance Certificate May 19, 2010. We hereby certify that the work was completed to our satisfaction and within the stipulated time. The particulars are as under,

Name of work	: Self Leveling Epoxy Flooring and Expansion Joint Sealing at GESTAMP AUTOMOTIVE INDIA PVT. LTD., Chakan.
Description of work	: 4.00 mm thick Self Leveling Epoxy Flooring in various shops Area done = 38000 Sq M (Approx.) Expansion and Isolation joints sealing using Polyurethane sealant
Value of Work Done	: Rs.3,27,88,388.00 Rupees Three Crore Twenty Seven Lac Eighty Eight Thousand Three Hundred Eighty Eight only
Completion Period	: From 15 Dec 2009 to 15 Feb 2010.
Remarks	: Work satisfactorily completed in stipulated time and as per the technical specifications. Total Epoxy Flooring of Approx. 38000 Sq.M. as per the Quality Norms of ROHAN BUILDERS and GESTAMP Provided Technical Details and Procedures.



ARCHIVISTA ENGINEERING PROJECTS PVT LTD.
Office no. 9 & 10, Symphony "C" Building
Bhosale Nagar, Range Hills Road
Pune - 411 020, Maharashtra State.
Tel: +91-20-25630620 / 25630640.
Fax: +91-20-25530638.

Ref. No. : 201-2006
Date : 05-09-2006

WORK CERTIFICATE

Name of Contractor : AQUARREST SYSTEMS
1 B, Vijayalaxmi Apt. 90, Rambaug Colony
Paud Road, Kothrud, Pune 411 038.

Name of work : Chemical Resistant FRP Lining work to RCC Tank at IVG-3 for Sandvik Asia Ltd.

Description of work : Chemical Resistant FRP Lining using Vinyl Ester Resin System to underground RCC effluent Tank at at IVG-3 Project for Sandvik Asia Ltd., Pune as per the technical specifications.

Work Order No. & date : AEPPL/PO/0506/111
December 01, 2005.

**MUNICIPAL CORPORATION OF GREATER MUMBAI
(Hydraulic Engineer's Department)**

DY HE/PPC/
Panjarapur
Date 15 JUN 2012

COMPLETION CERTIFICATE

Name of the contractor	: AQUARREST SYSTEMS, 1B, Vijayalaxmi Apt., 90, Rambaug Colony, Paud Road, Kothrud, Pune 411 038
Name of work	: Providing Algae Proof Coating at St.II Filter Beds at Panjarapur
Description of work	: Providing leveling coat of rich cement and sand mortar mix with waterproofing superplasticizer, Applying two coats of anti fungus and algae proof solvent free Epoxy Food grade coating. Providing carrying out pressure injection grouting of low viscouse epoxy grout etc. all complete.
Work Order No. & Date	: SAP No.4700001547 Dt.20/06/2007 and Office W.O. No.47 Dt. 05/12/2006
Work Order Value	: Rs. 3971750.00

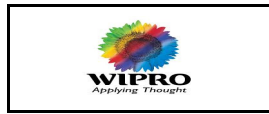
AQUARREST SYSTEMS

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Our Esteemed Clients & Projects include following icons ...



Proud Association



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