SIDHYA ASIA
CHEMICAL PRIVATE LIMITED

WHERE CONCRETE MEETS QUALITY



www.sidhyaasia.com



SIDHYA ASIA
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SIDHYA ASIA
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KIRAN GLOBAL GREEN GEOCEMENT A GREEN ALTERNATIVE WITHOUT CEMENT

KIRAN GLOBAL M S JAIN GROUP

ABOUT SIDHYA ASIA

Sidhya Asia Chemicals Pvt. Ltd. is the part of Kiran Global Group of companies, which has been established in 2024 solely to fulfil the goals of penetrating the construction chemical industry. The company aims to fulfil this vision of Mr. Atul Jain. Continue to grow from strength to strength, innovating new methods for producing chemicals that are both economic and environment friendly without compromising on quality is our basic ideology. Our commitment is to become the leading brand in constructing chemical industry emerging out of India with our rich history of infrastructure and tunneling.

SIDHYA ASIA
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WHO WE ARE AND WHAT WE OFFER

SIDHYA ASIA CHEMICAL PRIVATE LIMITED

We are one of the largest manufacturers of construction chemicals and admixtures for the international concrete industry in India. Our high-quality products and years of experience in the infrastructure market makes us fulfil our slogan – **'Where concrete meets quality'**. Our excellent customer service and expertise in concrete technology makes us a reliable partner for our clients.

Our presence in the Indian tunneling industry has been over 20 years and since then we have developed products for infrastructure markets and further diversified our business portfolio by pushing area of applications and constant research & development. The brand 'Sidhya' is a new name for our rich history.

Established in the year 2024, Sidhya Asia Chemicals Private Limited manufactures variety of admixtures complying with IS 9103, BS EN 934 – 2 and ASTM C494. Our products are developed by keeping customers' requirements by our team of concrete technologists and technical team to yield the best results for our clients.



SIDHYA ASIA
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OUR LOCATIONS

Office

MAHARASHTRA

206 Mahant Chambers, Road No.34 Wagle Estate,
Thane West 400606, Maharashtra

Factory

WEST ZONE

Nichole, Khanivali Road, Tal - Wada, Dist- Palghar
421312, Maharashtra, India



Office

TAMIL NADU

Office No. 1A, Century Plaza, No. 526, Anna Salai,
Teynampet, Chennai 600018.

Factory

SOUTH ZONE

No. 18/2 A2, Nallur Village, Sholavaram, Chennai
600 067, Tamil nadu, India

Contact Details

SIDHYA ASIA
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SIDHYA ADMIXTURE SYSTEMS

We manufacture specially designed concrete admixtures depending on the area of application such as ready-mix, precast, manufactured concrete products and infra-structure projects. Our product range includes products according to EN 934 – 2 as classified as below:

- Accelerators
- Air Entraining Agents
- Corrosion Inhibitors
- Curing Compounds
- Cleaning Agents
- Expanding Agents
- Foaming Agents
- Micro Silica
- Plasticizers
- Release Agents
- Retarders
- Structural Fibers
- Superplasticizers
- Surface Coating Systems
- Viscosity Modifiers
- Water Proofing Admixtures



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CONCRETE ADMIXTURES FOR READY-MIX

Our ready-mix admixtures are designed to fulfill clients' requirements suiting the local raw materials. With our research & development, our superplasticizers are tailored to fulfil the retention requirements of concrete industry, maintaining a consistent rheology of concrete, easy to handle at batching plants and robust to changes in raw materials and fluctuation water content in the mix design.

ADVANTAGES OF OUR PRODUCTS:

- Low viscosity of concrete suitable for different grades.
- Suitable for production of high slump concrete.
- Higher water reduction produces high-strength concrete.
- Reduces shrinkage cracking and creep.
- Improvement in workability and retention time.
- Improves the durability of concrete.
- Increase in flowability and cohesion properties.
- Highly efficient with low dosages.

OUR BRANDS SERVING THE READYMIX INDUSTRY

- SIDHYA® PLAST
- SIDHYA® FLOW
- SIDHYA® CRETE RD
- SIDHYA® CRETE WP
- SIDHYA® CRETE CI



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CONCRETE ADMIXTURES FOR PRECAST

Our precast admixtures are designed to increase the efficiency of precast production process. Our high-performance superplasticizers are designed to yield high early strength and enhances the durability of the product. Our mold release agents are designed to produce flawless surfaces with zero stains and increase the service life of formwork. Our accelerators and release agents are also sustainable and environmentally friendly to support the production of our clients.

ADVANTAGES OF OUR PRODUCTS:

- Provides high early strength without increasing cement content.
- Reduction in De-shuttering time and hence increasing production efficiency.
- Improvement in early strength of concrete.
- improves the workability of the concrete and surface finish of precast concrete elements.
- Improvement in durability properties of concrete.
- Improvement of workability of concrete.
- Reduces shrinkage and creep.

OUR BRANDS SERVING THE PRECAST INDUSTRY

SIDHYA® VISCO	SIDHYA® CRETE	SIDHYA® PRO CURE
SIDHYA® CRETE CI	SIDHYA® RELEASE AID	SIDHYA® QUICKSET



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CONCRETE ADMIXTURES FOR MANUFACTURED CONCRETE PRODUCTS

Sidhya Asia teams designs specialized products for semi dry concrete technology used in production of Pavers, Kerbstones and hollow core slabs. Our admixtures increases the strength and durability of the products by enhancing the physical properties of the products. With our product lines, we optimize the hardening time, production of denser products and reducing the porosity of the products. Our products makes the production more efficient and economical for our clients.

ADVANTAGES OF OUR PRODUCTS:

- Increases the early strength of Concrete products.
- Improves the dispersion of cement particles.
- Suitable for faster production.
- Reduces the curing time.
- Increases the density of concrete products.
- Improves the packing density and compaction factor mix.
- Improves the durability of concrete products.
- Contributes to economic benefits.
- Increases the production efficiency.

OUR BRANDS SERVING THE MCP INDUSTRY

- SIDHYA® PLAST SD
- SIDHYA® PROTECT
- SIDHYA® SEALCOAT
- SIDHYA® CLEAN TECH



SIDHYA ASIA
CHEMICAL PRIVATE LIMITED

VALUE ADDED PRODUCTS

SIDHYA® MICROSIL

Sidhya® Microsil is modified form of densified amorphous form of silicon dioxide used in the production of high durable concrete, mortar and grout. Sidhya® Microsil is highly recommended to be used in concrete in projects with requirements such as exposure to chemical attack, abrasion and aggressive atmospheres. The pozzolanic reaction of the powder can be used to high strength and quality concrete, grouts and mortar especially when combined with other Sidhya® Range products or equivalent.

Sidhya® Microsil improves various fresh concrete properties such as cohesion due to its spherical shape and water demand. Sidhya® Microsil promotes the production of Calcium Tri-Silicate Hydrate (C3SH) which reacts with free lime to improve strength, density and durability of the concrete. Following are more benefits of the product:

- **Increase in early compressive strength of concrete.**
- **Increase in final strength of hardened concrete**
- **Reduces permeability of water and chloride penetration.**
- **Reduces alkali silica reaction in aggregates.**
- **Enhanced resistance to acid attacks.**
- **Increases resistance to freeze/thaw cycles.**
- **Increases resistance to Impact and Abrasion strength.**



SIDHYA ASIA
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VALUE ADDED PRODUCTS

SIDHYA® FIBRES

Sidhya® Fibres is our dedicated brand for our high performance fibres which increases the resistance to crack formation of concrete. The fibre acts as a crack controlling cementitious construction material by supporting its resistance to plastic shrinkage and early drying especially during high temperatures. Sidhya® Fibre has good dispersing properties and can easily be mixed in three dimensional directions in fresh concrete.

Sidhya® Fibre improves various durability properties of concrete by homogenously dispersing in fresh concrete. The following are the benefits of the product:

- Increase in early compressive strength of concrete.
- Improves the flexural properties of concrete.
- Increase in final strength of hardened concrete.
- Improves resistance to drying shrinkage and cracks in concrete.
- Improves the abrasion resistance of concrete.
- Improves the impact resistance of concrete.
- Enhanced resistance to acid and alkali attacks.
- Increases resistance to corrosion.
- Reduces the tendency of concrete bleeding and segregation.
- Improves fire resistance of concrete.

SIDHYA ASIA
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VALUE ADDED PRODUCTS

SIDHYA® SEALCOAT

Sidhya® Sealcoat is our coating products which includes both Copolymer and water-based coating system for both manufactured concrete products and precast elements. Sidhya® Seal Coat series enhances the beauty of concrete pavers and precast elements by giving a glossy and matte finish. The products can be used both in spray and manual applications over the elements. Sidhya® Seal coat adds an extra of layer of protection over the concrete and reduces the maintenance cost of structure significantly.

ADVANTAGES OF OUR PRODUCTS:

- Provides the waterproofing from external forces of water.
- Increases the service life of the structure.
- Reduces maintenance costs of the project significantly.
- Enhances the beauty of the products.
- Provides weathering protection for the products, especially during rainy season.

SIDHYA ASIA
CHEMICAL PRIVATE LIMITED

VALUE ADDED PRODUCTS

SIDHYA® RHEO CRETE

Sidhya®Rheo Crete comprises of products which enhances the rheology of concrete. The brand includes products which modifies the viscosity of the concrete. Sidhya® Rheo Crete increases the pumping properties of concrete and makes sures that the concrete does not segregate during high pumping pressure. The products prevents bleeding, segregation and wash out of cement paste during concreting works.

SIDHYA® CLEAN TECH

Sidhya® Clean Tech comprises of cleaning agents for interlock, pavers and kerbstones. In gardens, parks and major riverfront areas we observe high deposition of bacterial growth and efflorescence. In traditional methods, people use water itself for cleaning and maintenance purposes which deteriorates the quality of concrete products and henceforth reduces the life of concrete products. Sidhya® Clean Tech is an advance cleaning agent which restores the products in its original state and wash aways the bacterial dirt and efflorescence.

ADVANTAGES OF OUR PRODUCTS:

- Residential building and villa communities
- High end resorts and parks
- River water front
- Airports, metros and railway stations
- Exhibtion center and it parks

SIDHYA ASIA
CHEMICAL PRIVATE LIMITED

KIRAN SIDHYA TUNNEL TEAM

SYSTEM FOR TUNNELING

Tunnels are built either by NATM method or the modern method of using Tunneling Boring Machines (TBM). In both cases it requires quality technical support and high logistical support to the team at site. Team Kiran Geo Cements Limited and Sidhya Asia being part of the same group with same chairman Mr. Atul Jain has been active in this industry from a very long time. For the past 20 years, Team Kiran has pioneered the tunnelling market by supplying to notable mega projects and team Sidhya aims to continue the same by diversifying the products. We as a joint venture cater both the methods of tunneling:

IN NATM METHOD OF CONSTRUCTION:

- Shotcrete Admixtures
- Inner Tunneling Shells Systems

SYSTEMS FOR TUNNEL CONSTRUCTION USING TBMS:

- Segments Casting
- Annular Gap Grout
- Soil Conditioners/Foaming Agents

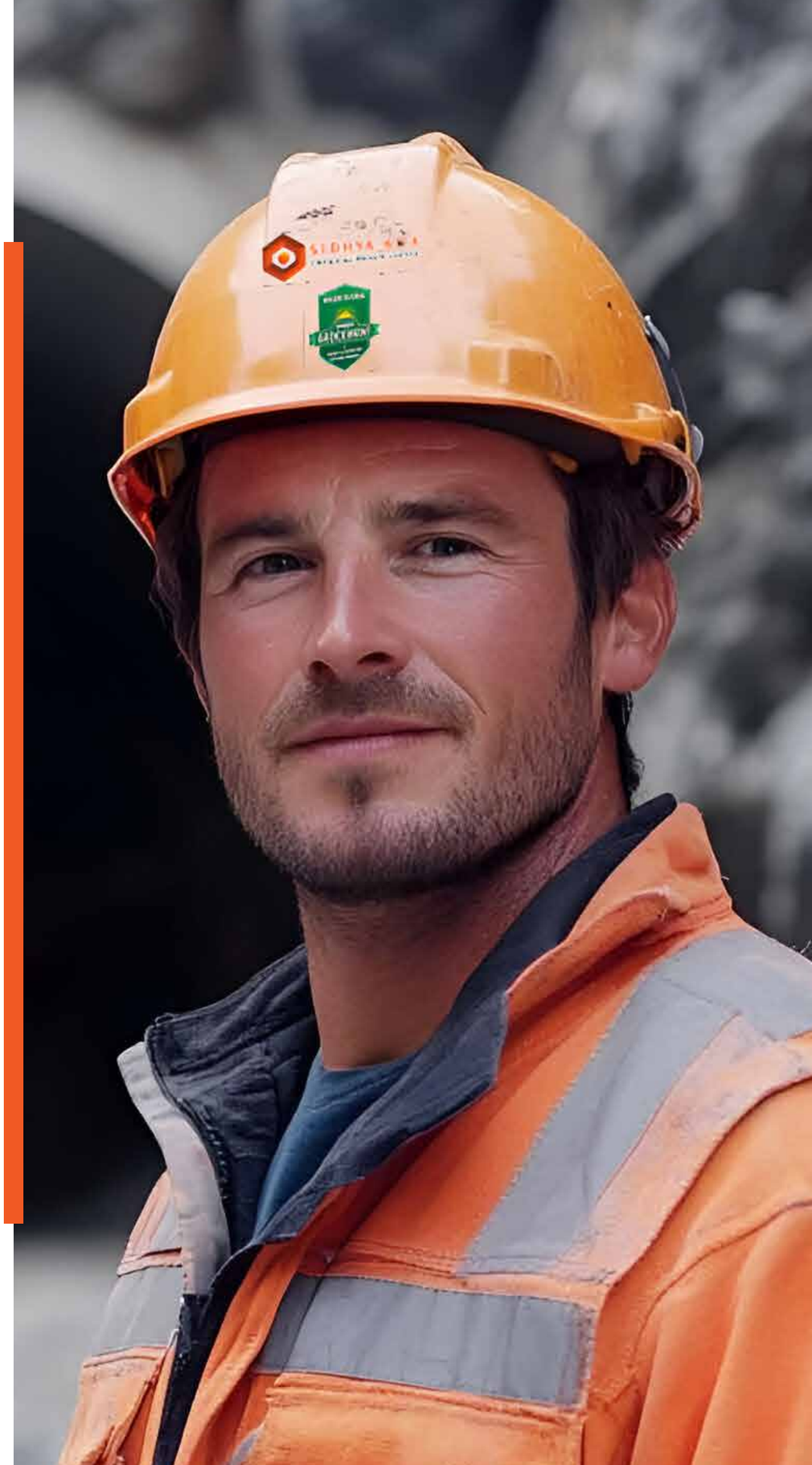


SIDHYA ASIA
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TUNNEL PROJECTS SUPPORT

Mega Projects are part of nation building and our team takes pride in being part of such infrastructure projects. Sidhya-Kiran Tunnel Team consists specialized individuals who understands the technical challenges of the projects and who develop proposals beneficial to our clients. They are individuals who have been part of various projects and are available to support you in the below possible:

- **Developing Mix Design with our joint technical expertise and R&D Centre.**
- **Establishing quality control procedures at site.**
- **Guiding the on site for various specifications.**
- **Setting up Quality Control Laboratories on site.**
- **Establishing logistical support by providing storage tank support.**
- **Ensuring high quality and economical output for client.**



SIDHYA ASIA
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TUNNELING PRODUCTS

Sidhya Asia and Kiran Global Geo Cements jointly offers a wide variety of tunneling products which can significantly reduce costs and enhance the quality of transportation and infrastructure projects. We manufacture high quality products for concrete segments, tunneling, mining and shotcrete.

1. PRECAST CONCRETE SEGMENTS

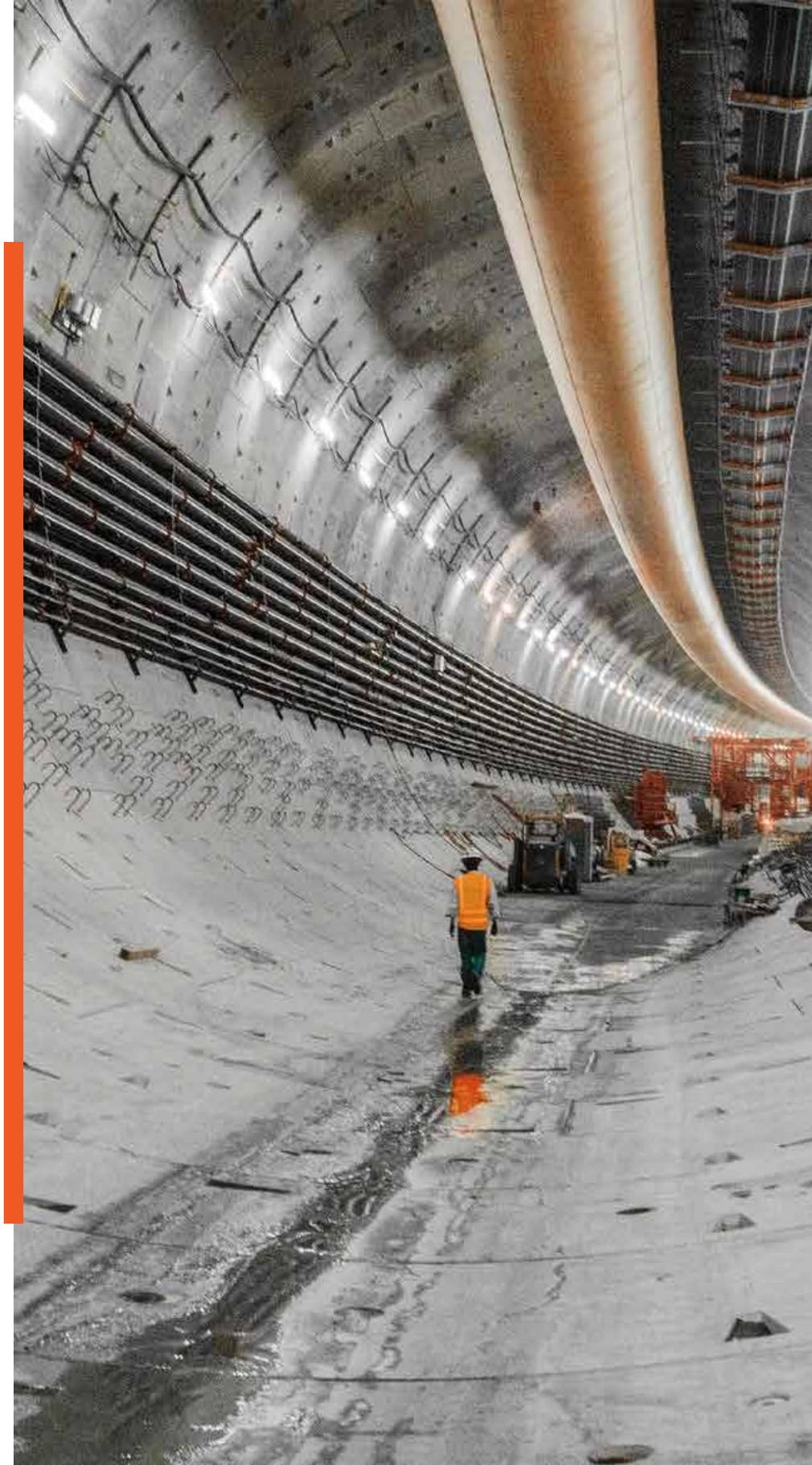
Concrete segments are manufactured in precast factories which high strength and high-quality products to achieve so. For casting tunnel segments with precision requires high quality self dynamic concrete (SDC) for which we propose **Sidhya® Visco** superplasticizers. **Sidhya® Visco** products are designed to yield high early strength and producing cohesive concrete mixes.

Sidhya® Release Aid are high quality sustainable mould oils which we manufacture to increase the life of our client's mould. Our release agents are viscous in nature and hence can also be used for vertical castings. **Sidhya® Release Aid** are non-mineral oil based products and hence does not leave stains or marks on the precast elements.

Durability of concrete especially in major infra projects is a key factory. Team Sidhya focuses on the same and hence we also supply high quality micro silica for precast segments under our brand **Sidhya® Microsil**. We also supply integral waterproofing admixtures **Sidhya® Crete WP** and corrosion inhibitors **Sidhya® Crete CI** for the purpose of enhancing the durability of concrete precast segments.

Sidhya® Pro Cure are high quality curing compounds which increases the efficiency of production. By using curing compounds, the project site saves on consumption of water for curing, movement of precast elements and area of precast elements for curing.

Sidhya® Fibres are polypropylene structural macro fibers which are used for increasing flexural strength of concrete lining and henceforth reducing the dependency on steel reinforcements. Using such technology also reduces the risk of corrosion.



SIDHYA ASIA
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TUNNELING PRODUCTS

2. SHOTCRETE TECHNOLOGY IN NATM METHOD

We manufacture high quality shotcrete accelerators under our brand **Sidhya® Quick** Crete. They are high quality accelerators to produce smooth spraying operations with least rebound factor and wastage of concrete.

We also produce high quality superplasticizer to produce high quality spray concrete under our brand **Sidhya® Flow** which ensures high workability and retention period for the concrete.

3. GROUTING ADMIXTURES IN TBM TUNNELING

Sidhya® Grout Fluid are high tunneling back fill grout super retarders which are designed to cater the requirements of projects. Our retarders can stabilize the cement suspension for 24 to 72 hours depending on requirement with minimum bleeding.

We also supply **Sidhya® Bentocrete** – high quality construction grade bentonite for grouting to minimize the bleeding and avoid blockage of supply pipes from surface to TBM tanks.

We also manufacture high quality TBM accelerators to yield high compressive strength and required gel time for two Component grouting systems.

4. SOIL CONDITIONERS IN TBM TUNNELING

Sidhya® Roc Drive are high quality foaming agents required by TBM for mining with ease. This reduces the wear and tear on cutter heads and henceforth reducing the maintenance of TBMs. The Soil mined also reduces in weight and henceforth reduces the load on conveyor belts.

Sidhya® Soil Plast are high end polymers required to reduce abrasion from hard rock mining. We also manufacture polymers to avoid high pressure water ingress.



SIDHYA ASIA
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COMPETENT RESEARCH & DEVELOPMENT CENTRE

Our competent research and development facility in Chennai, Tamil Nadu let's our client benefits from our technical support. Whether preliminary tests, concrete tests, trials on site and chemical testing of admixtures, team Sidhya offers a comprehensive range of services that adds real value to you.

We always recommend our clients to be close to our technical team in order for conducting lab/plant trials as you can rely on our experienced concrete technologists and we are always happy to lend a helping hand.

OUR TECHNICAL CENTER INCLUDES:

- Concrete Laboratory.
- Mortar testing facility.
- Cement Grout/Suspension testing facility.
- Chemistry Laboratory

Our concrete laboratory is used for conducting suitable trials for client trials and testing to achieve optimum results. We keep sources of various of aggregates from different region along with different brands of cements to perform trials.

Our mortar testing facility is used to test different additives for concrete and also to produce various color concrete samples. We also test the soil conditioners for tunneling in this lab.

Cement suspensions & Grout laboratory is exclusive used to test various compaction grouts systems and develop mix design for tunneling backfill grout.

Chemistry Laboratory is used to analyse the chemical properties of admixtures such as specific gravity, moisture analyser and pH. Along with it, we also perform ash content, Chloride ion Content tests on our products. Our samples are manufactured in this laboratory and are tested before dispatching to clients.



SIDHYA ASIA
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QUALITY CONTROL FOR CONSISTENCY

"Where Quality Meets Concrete"

To prove our slogan true in steps we focus a lot in our production quality control. We ensure consistency in production recipes so that our clients can rely on us to strengthen our brand identity. We have a dedicated quality control team our production units who monitor each production and dispatch of our products.

Quality control of incoming raw materials – our raw materials are approved after a thorough series of trials and testing. Once the raw materials are approved, we ask our vendors to submit official master samples for the same and then all our incoming raw materials are compared against there own master samples hence ensuring a consistent performance.

Quality control of finished Goods. – Our production samples are tested during production and samples are taken from each batch to evaluate the consistency as per specification of each formulations. Our 'material test certificate' is issued by testing the delivery sample of our product which is collected post packing of finished products. We store our delivery and production samples for one year in order to resolve any complaints or compliance issues.

The word 'Sidhya' means auspicious and that's what we are trying to bring to your business by inducing quality and consistency with our products.



SIDHYA ASIA
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LOGISTICS AND SUPPORT

We offer competent logistical support to our clients. Our supply chain team always ensures on time supply to our clients and even develop delivery schedules along with our client representative. For projects, our supply chain team ensures a proper forecast is prepared based on which we can always ensure delivery to our client on time, avoiding any further catastrophic delays.

ADVANTAGES OF SIDHYA LOGISTICS

First of all, at Sidhya we ensure to have regular communication with our clients and our staff are trained to deliver along with the correct set of documents. We train our staff to follow the health and safety guidelines of the sites during delivery. We ensure that the delivery happens as per convenience of site with a professional team. We also ensure that we offer flexibility to our client during delivery planning.

SALES SUPPORT AND SERVICES

For large-scale projects and corporate clients, we provide special tanks and dosing systems. Our customer sales support team ensures the volume required by your team at site per month is planned well along with considering various factors to always ensure smooth operations. We understand the sudden need for high volumes during raft foundation concrete to low volumes during rainy seasons and hence our representatives are always in contact with your team. In this way, we ensure you always have our products.



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