THERE IS NOTHING MORE CONCRETE

India Crete RMC

There is nothing more Concrete

A product of : Hirani GROUP

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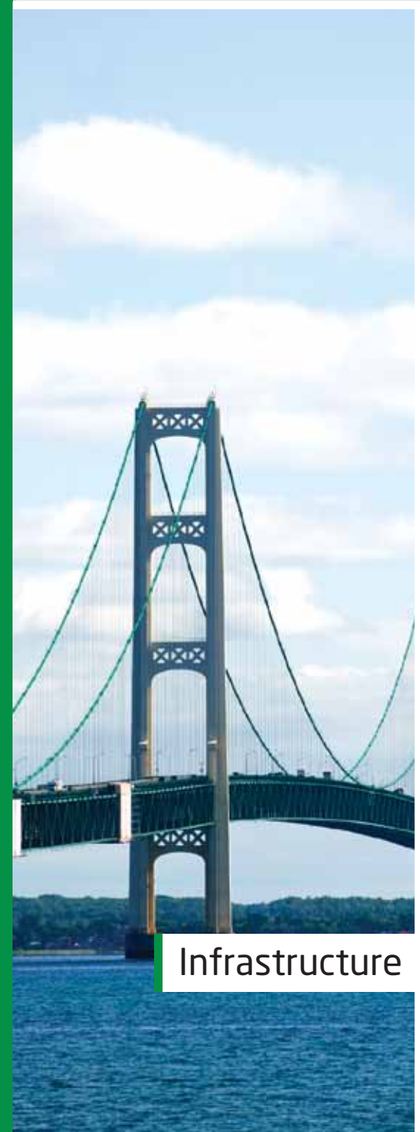

We deliver quality concrete

COMPANY **PROFILE**

In a company, that is dedicated to create a high performance culture, we set challenging benchmarks for continuous improvement.

Our Profile

IndiaCrete RMC is a professionally managed company which is in the business of producing a vast range of ReadyMixConcrete for the construction industry. It is a dynamic partnership enterprise between two well established construction firms of Mumbai, viz. Hirani Group & Amar Construction Co. The brains behind IndiaCrete are promoters Mr. Hasmukh Hirani and Mr. Yusuf Shaikh. Being in the construction line for 25 years they had very often personally experienced the difficulty in arranging for good quality concrete mix round the clock. Hence they decided to find a solution by accepting the challenge of manufacturing RMC which would meet the growing needs of the small and big construction companies. IndiaCrete is the successful outcome of that exciting synergy between extensive knowledge and vast resources and it is showing promising signs of becoming a major player in this sunrise industry.

Unswerving Aim

IndiaCrete is totally committed to fulfill and satisfy the 'concrete' requirements of the customers by strictly adhering to quality production parameters, delivering on schedule, adding value to client service and aiming for mutually beneficial long-lasting relationships.

Motivation

IndiaCrete has ambitions to achieve universal recognition and to be known as the Global Leader in the field of ReadyMixConcrete. The spotlight is on the significant aspects of manufacturing, management and marketing of ReadyMixConcrete.

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RMC PROCESS




Cement

IndiaCrete Concrete plants procure fresh cement directly from ISO certified companies that use latest technology to produce the highest grade of cement. To prevent exposure to the environment and humidity ultra-modern bulkers pump the cement directly into IndiaCrete's concrete silos totally eliminating the risk of contamination.

Coarse Aggregates

IndiaCrete Concrete directly sources the aggregates from selected and approved suppliers and these aggregates are tested as per IS stipulations at regular intervals for:

- Shape, size and gradation (elongation/flakiness test)
- Impact value and crushing value test for their strength

Fine Aggregate

Only the finest quality of sand is purchased by India Crete directly from accredited, approved and selected suppliers. IS approved standard methods of testing are followed by IndiaCrete's in-house labs to conduct stringent quality tests ensuring that only the best sand is used for mixing.

- Gradation for fineness modulus
- Silt Content
- Moisture Content

Water

IndiaCrete sources clean and soft water from reliable suppliers. The water is stored in tanks sealed air-tight to prevent external contamination. The quality of water is tested as per BIS standards at frequent intervals. Water purifiers are on stand-by in case the water needs any treatment.

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Mineral Admixtures

Special care is taken to procure mineral admixtures from proven sources that adhere to appropriate BIS standards. Modern methods of collection, transportation and storage are used to avoid contamination due to environment pollution or other sources.

Chemical Admixtures

In IndiaCrete Concrete plants, specialty chemicals of international repute are added to the concrete mix. This imparts desirable properties to the RMC such as effortless application and reduced setting time. Efficacy and matching of admixture with cement is done in the laboratory before actual production in bulk.

Workability of Concrete

In IndiaCrete, sample testing of every batch is carefully done through scientific methods to evaluate the workability of the RMC. Simulating the on-site environment of the prospective client under controlled conditions and subjecting the sample to rigorous stress tests helps to determine the appropriate proportion of all the ingredients. Ease of transportation and ability to pump RMC to great heights is also one of the important criteria for dispatch approval.

Batching and Mixing

All the constituents of IndiaCrete Concrete are proportionately mixed on the basis of computerized percentages. Homogeneous mixing is done by using high performance pan mixers or twin shaft vibro-mixers in fully automated mixing and batching plant leaving no possibility for human error. As a result of this machinery uniformity and consistency of the end product becomes a possibility in every batch.

RANGE OF SOLUTIONS

Ordinary

M10	PCC (Plain Cement Concrete) e.g. Levelling course, bedding for footing, concrete roads, etc.
M15	PCC e.g. Levelling course, bedding for footing, concrete roads, etc.
M20	RCC (Reinforced Cement Concrete) e.g. Slabs, beams, columns, footings, etc. (for mild exposure)

Standard

M25	RCC (Reinforced Cement Concrete) e.g. Slabs, beams, columns, footings, etc.
M30	RCC e.g. Slabs, beams, columns, footings, etc.
M35	RCC e.g. Slabs, beams, columns, footings, etc.
M40	RCC e.g. Pre-stressed concrete, slabs, beams, columns, footings, etc.
M45	RCC e.g. Runways,Concrete Roads (PQC), Prestressed Concrete Girders, RCC Columns, Prestressed beams
M50	RCC e.g. Runways,Concrete Roads (PQC), Prestressed Concrete Girders, RCC Columns, Prestressed beams
M55	RCC e.g..Prestressed Concrete Girders and Piers

High Strength

M60 **M70** **M80**	RCC work Where high compressive strength is required such as high rise buildings, long span bridges, ultra-thin white topping etc and constructions in aggressive environment e.g. Spillways of dams, coastal construction

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In addition to producing normal grade concrete ranging from M10 to M80, we produce customized special types of concrete for different applications.

Types of Special Concrete	Application
High Volume Fly Ash Concrete	Mass concrete, raft foundations, roads, pavements etc.
Silica fume concrete	All high strength concrete applications in extreme environmental exposure condition like marine structure etc.
GGBS, Slag based concrete	All underground RCC application requiring high chemical resistance and enhanced durability
Ternary blend concrete	All RCC application directly in contact with aggressive soil / chemicals in marine environment and in sewage / effluent treatment plants
Light weight concrete	Repair and rehabilitation work, for thermal insulation, light weight structural fill, and light weight pre - cast panel etc
Corrosion resistant concrete	All types of RCC applications in high water table area including work near coastal areas, water tanks, etc
Polymer concrete	Repair and rehabilitation work for floorings and buildings where high early strength is required
Self Compacting Concrete	Thin sections and elements with congested reinforcements. Recently IS 456 has also included SCC with specifications in its codal provision.
Coloured Concrete	For architectural and aesthetic use
Fibre-reinforced Concrete	For concrete with higher ductility and abrasion/erosion resistance
Pervious Concrete	Concrete for parking areas, pavements, drive-ways to ensure drainage or rain-water harvesting
Water-proof Concrete	Terraces, basements, water contact structures
Temperature Controlled Concrete	Mass concrete, hot-weather concrete etc.

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QUALITY POLICIES

Every RMC plant has a well equipped Quality Control Laboratory with quality control expert so as to provide excellent quality control over the concrete produced.

- Fully equipped quality control laboratory at all plants.
- Technical support from Mr. Sanjeev Raje for QA/QC services.
- Our own VSI crusher aggregates used for RMC production.
- Mix Designs are tested vigorously to yield optimal performance.
- Monitoring of our concrete performance at all stages is done in-house with military precision as a mandatory programme.
- All our batching and testing equipments are calibrated to industry levels. Our process control is so sophisticated that it can not only detect a variance promptly but also document the anomaly and rectify it before the batch is dispatched to the site location. Management of quality control is the responsibility of senior technicians stationed at all our plants. Open communication across the board and feedback analysis is the backbone of our well coordinated Quality Check Department.
- To use only the best raw materials, at the entry level itself, highly vigilant and experienced staff makes strenuous efforts to weed out substandard or foreign elements.
- Some of the tough testing is as follows:

  Daily : Silt Content of Every Vehicle. Moisture Content. Water Absorption. Over/Undersized material of Every Vehicle.

  Weekly : Sieve Analysis for Gradation. Dry Loose Bulk Density.

  Monthly : Impact Value. Crushing Value. Flakiness Elongation.

  Quaterly : Specific Gravity. Third Party Testing of all the Raw Materials.

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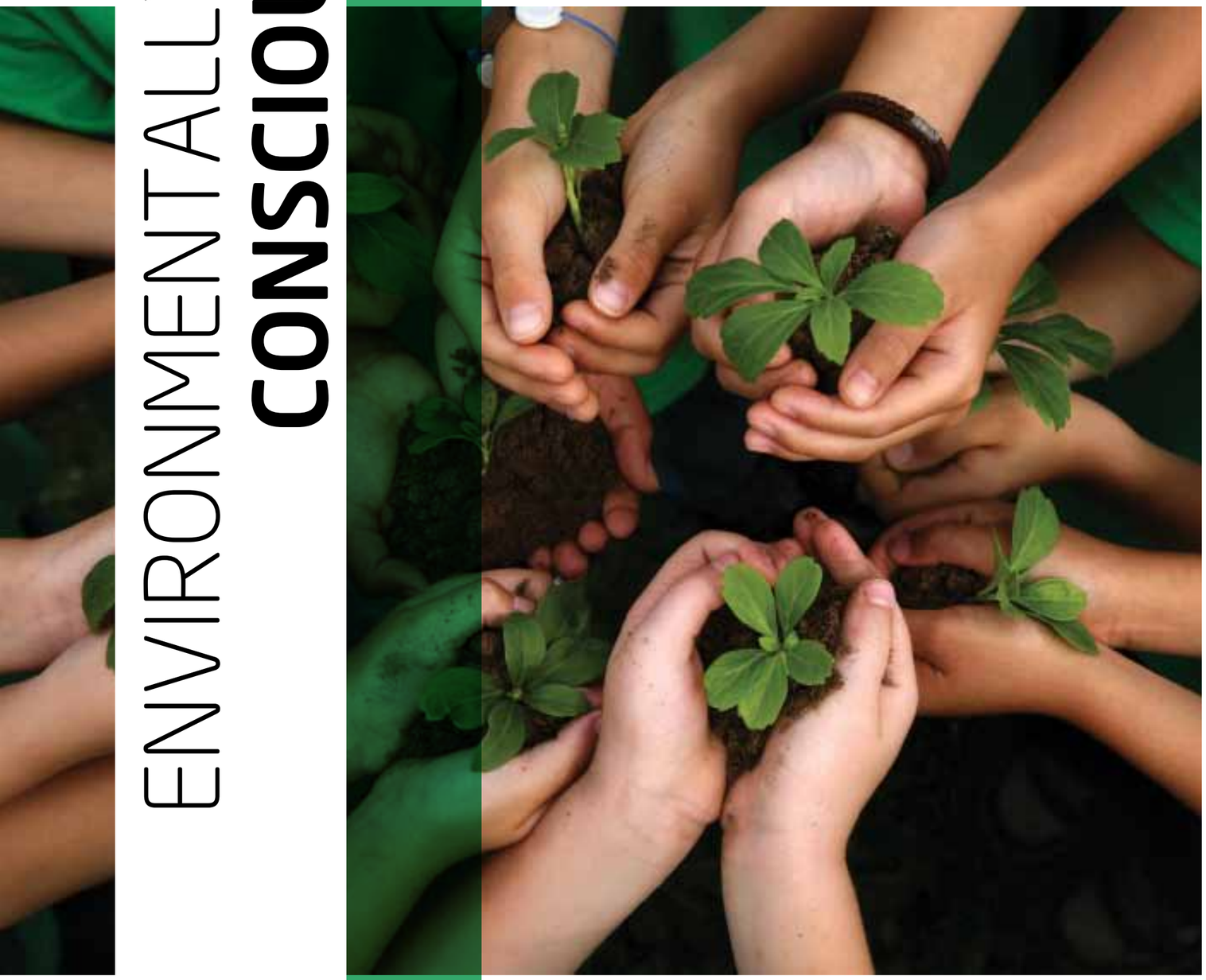
Pledge to Protect the Environment

ENVIRONMENTALLY CONSCIOUS



With the increasing consciousness of preserving the environment IndiaCrete is going that extra mile in contributing to green construction. It is all about conservation, recycling and giving the environment a chance to revive itself. IndiaCrete is doing its bit in our sector for promoting and producing eco-friendly products. We are sincerely committed to safeguard our planet and our plant surroundings.

At World Level

- To reduce the Carbon footprint.
- To decrease air pollution by cutting emissions of toxic gases.
- Utilizing less fossil fuel and more of waste organic materials and alternate energy sources.
- Conservation of natural limestone.
- Using waste by products like Slag from steel plants and Fly-ash from power plants thereby solving the question of their safe disposal and threat to man and other living organisms.

At Plant Level

- Transporting Fly-ash to the plant in sealed containers (Bulker, Pneumatic) thus preventing dust pollution along the way.
- Efficient dust and smoke emission filtration system to avoid air pollution.
- An abundance of greenery, plants, foliage and trees around the plant.
- Safe disposal of waste generated during RMC production stage to render it harmless.
- Provision for re-use of water and rain water harvesting.
- Energy-efficient lighting systems.
- Rain Water Harvesting.
- Adopting new concrete production technology for a labour friendly atmosphere.

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