International Readymix Co. LLC

الشركة الدولية للخرسانة الجاهزة ش.م.م

Quality is our Strength

Concrete on Wheels

حضرة صاحب الجلالة السلطان قابوس بن سعيد المعظم

His Majesty Sultan Qaboos Bin Said

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INTRODUCTION

■ **INTERNATIONAL READYMIX CO. LLC. (IRM)** is a part of Shanfari & Partners Co. LLC. a professionally managed organization carving a niche in the business world. Our Parent Company Shanfari & Partners Co. LLC was established in 1960. Since then, the Company has formulated the basics and principles required for future development and promotion. Shanfari & Partners Company LLC played an important role during the period of renaissance in infrastructure development in Oman. It has expanded its activities to become one of the largest and most distinguished Companies in the Sultanate of Oman, encompassing several business sectors: Civil & Construction Contracting, Manufacturing, Transport, Tourism Development, as well as import and export of petroleum products.

■ We, IRM are proud to be the leading manufacturers and supplier of mixed concrete in the Sultanate and bolstering the construction fraternity across the Country to new heights.

■ Besides, we are recognized for our values of integrity, fair, transparent and ethical dealings. We are proud to be associated with the leading Organizations and Builders, Consultants, Flat Promoters and Developers of Engineering solutions. With the cutting-edge technology IRM spreads out to six plants with a total capacity of more than 450 cubic meters per hour, supported by a modern fleet of Batching Plants, Ice & Chiller Plants, Transit Mixers, Concrete Pumps, Sand Washing Machine, Crusher Plants with Own Quarry and Transport System.

■ Quality is the paradigm of IRM. We are quality conscious and ensure the product undergoes failure testing in design and production and meet global standards of BS and ASTM. IRM has fully owned Laboratory facilities.

■ The Company owns a modern stone crushing and asphalt-producing plant. These contribute to the requirements for international standard concrete and asphalt for company projects, and to meet the demand from other companies engaged in such works.

■ As a part of our product diversification and expansion programme, the Management has decided to establish a Factory for production and supply of Concrete Blocks, Interlock Tiles, Kerb Stones, etc. In addition, under His Majesty Sultan Qaboos Bin Said's vision, Dhofar Region will be undergoing a rapid development programme by constructing new Airport, Sea Port, Expansion of Raysut Industrial Area, Expansion of Free Trade Zone, Rural Electrification and Construction of Mega Power Stations etc. Further we have a very sound customer base for concrete for which there is a heavy demand for hollow blocks. Interlock tiles and kerb stones shall cater to the need for road developments. Also we would like to add that we have a clear edge on these products than other competitors because of our service and quality of ready-mix concrete.

Our Mission

With every delivery, our mission is your success.

IRM aims to be the most respected and successfully operated company in our industry, creating value for all of our stakeholders.

Our Mission is to provide quality products and services which consistently meet our customers' expectations; to be responsible stewards with respect to the safety and environmental impact of our operations and products; and to earn superior returns for our shareholders.

We recognize that success in all of our activities is related directly to the talents, dedication and performance of our employees throughout the Company.

Achieving our mission involves a commitment to the following:

- Innovative solutions for our customers.
- Employees with a passion for performance.
- An open and collaborative corporate culture.
- A forward-looking organization.
- A culture that promotes sustainable development.
- Long-term financial performance
- Provide an enabling work culture to attract and nurture the best talent and create a winning team.
- Make health, safety and happiness of our employees an abiding consideration in all our actions.
- Participate in worthwhile social causes in the communities in which we operate.

OUR VISION

- To participate in building tomorrow's Oman by being the leading ready-mix concrete and related construction materials and services company.
- To be universally respected and admired for customer service, operational excellence, consistent quality and ethical practices.
- To be a responsible corporate citizen by adopting best-in-class health, safety and environment practices.
- To provide end-to-end concrete solutions and ensure consistent quality, timely delivery and efficient pre and post sales support to delight customers.
- To set new standards in operational excellence through efficient resource management resulting in profitability and attractive shareholder returns.
- To partner with vendors to strengthen the supply chain and ensure quality materials and infrastructure.

Leadership

Creating and contributing to an environment in which our people can excel through a management style which is participative, encouraging, demanding, and supportive.

Respect

Ensuring the impact and integrity of our operations and actions on employees, customers, communities and environment in which we operate, meet both the spirit and letter of the law and community expectations.

Focus

Making critical choices on priorities, making timely, insightful fact-based decisions, and being determined to pick the right things and do them well.

Performance

Getting on with the job, setting challenging goals and standards, measuring results, providing honest feedback on individual contributions and rewarding achievement.

Persistence

Striving to be the best at what we do, being relentless in our pursuit of improvement and of increasing targets, never being satisfied with the status quo.

A LETTER FROM BOARD OF DIRECTORS

For over 8 years, IRM has been building the Southern Oman Coast. We are centrally located in SALALAH OMAN, and have SUPPLIED CONCRERTE FOR many highway and road projects, airport facilities, residential and commercial driveways, power stations, schools and universities, retaining walls, septic and sewage disposal systems, water storm drains and much other civil engineering projects. We work for single homeowners and for some of the largest and most respected businesses, and developers in the area.

To achieve top quality work, IRM uses state-of-the-art equipment and has dedicated, well-trained employees to get the job done. Our modern and well-maintained fleet ranges from excavators, loaders and transportation equipment to the most sophisticated computers and laser-enhanced grading and paving systems. Our offices, shop facilities, quarries, and Ready Mix plants are also modern and share the latest state of the art infrastructure and technologically advanced systems and components.

As a local company, we believe in doing business with local vendors, suppliers and banks and trades people. We also support many civic and non-profit organizations in our community with contributions of many kinds. Just as the local community supports us, we believe it is our responsibility to support them in return.

At IRM we pride ourselves on the quality of our projects to ensure that our product is not just complete but is the best available. We are about quality, pride and knowledge, and will go the extra mile to deliver the best. When you see our big Red striped trucks or the IRM logo you know its quality on the move.

IRM is a local company that cares.

BOARD OF DIRECTORS.

WHY IRM IS SPECIAL

Strategically located Batching Plants.

Large fleet of Transit Mixers with the capacity to expand at will.

Sufficient concrete Pumps and well trained pumping team.

On time and prompt Delivery of concrete.

Excellent Customer Support before, during and after the concreting.

Effective communication system between customers and the Company.

Better site management practices during operations at site.

IRM CAPABILITIES

1. Quality Plants and younger FLEET.

2. Technical

At IRM Concrete, ready mixed concrete is produced in its fully automated and computerized concrete batching plants at multiple locations across Dhofar Region. IRM Concrete manufactures and supplies concrete mixes, which are designed in its well-equipped laboratories as per established procedures to comply with various provisions of Oman and International Standards. IRM Concrete's experienced logistics team works closely with you to ensure that the concrete of requisite quality is delivered on time and in the appropriate quantities.

IRM Concrete considers technical capability as its core competency. Engineers with relevant experience, exposure and educational qualifications are leading the technical department. IRM Technical Team is committed to R&D in concrete technology. Services of renowned concrete technologists are availed regularly for better knowledge creation.

3. Service

Hands on team with international experience in the ready-mixed concrete & pre-cast concrete industry.

Track record of successfully servicing the biggest builders and construction houses in the country.

Educating the customer on the pre pour and post pour by handing over pour guidelines.

QUALITY CONCRETE

■ "Quality Concrete" as a structural building material depends largely on the mix design, the raw materials and the production and delivery methods used. We recognize our clients' needs; have consistent delivery, guaranteed supply, and trustworthy testing. Even low grades of concrete can cause quality problems if supply is inconsistent.

■ Optimal mix design does not come only from text books, nor can it be left to field staff. Mix design is a profession and craft based on the latest technical knowledge coupled with real "hands-on" field experience.

■ A good mix design cannot be "set and left". It must be continually fine tuned based on observation of the physical properties at the site (such as pump-ability, finish-ability, bleed and slump) and statistical analysis of all test results. It is the only way to ensure premium concrete. At all our customer's sites you will find our technicians recording observations and preparing cube tests for curing and analy-sis at our central laboratory. This data is then computer analysed and the results made available to our customers.

■ Rigorous control of raw material suppliers (such as regular quarry inspections, sleeve analysis tests, inspection of crush-ing equipment and cement mortar tests) is the only sure way to maintain quality raw materials. At IRM we are obsessed with the quality of our raw materials. Our fully qualified laboratory staff pick and choose our raw materials in order to maintain the highest quality standards.

■ At our laboratory we are able to perform compressive strength tests, aggregate sleeve analysis, moisture tests and cement mortar tests. All our test results have been indepen-dently verified by local institutes. Our regular concrete compressive strength tests are computer analysed by truck, project, customer and mix design using software specifically developed by the Readymix Group. These results are made available to all our customers.

■ So, by controlling the quality of our raw materials, and by never ceasing to optimize our mix design, and by using quality equipment, we can guarantee the result — quality concrete.

SAFETY

Safety is a top priority among all employees at Ready Mix Concrete, and it is the responsibility of everyone to ensure that a safe environment is maintained. We strive to set the standard for safety, with regular training for employees as well as keeping awareness high.

International Ready Mix Co (IRM) was founded in 2008 with 1 plant, 4 trucks and a vision. Today it has grown to 6 plant locations and over 40 trucks. IRM has the most coverage area of any single concrete company in South of Oman. With its plants strategically located averaging no more than 35to 100 Kilometers apart, IRM can combine its resources to handle any job regardless of size.

For almost 8 years putting the customer first and producing a high quality product using the most up to date and modern equipment for a reasonable price.

IRM has built a reputation not just to stand on, but to continue to grow on. At IRM we face every day and look at everything we do as building another step towards the next 50 years, and we thank our customers for giving us that opportunity.

To be a leader in the ready mixed industry, a producer must have the capability to keep up with a market that rightfully demands a high quality product at a cost-effective price. In our many years serving Salalah, IRM has seen changes in the economy, the environment and our community. Keeping pace with those changes has ultimately provided us with invaluable experience in the market and lasting relationships with customers.

At every level within our organization you will find dedicated, skilled personnel prepared to provide advice and realistic cost-effective solutions. From large general contractors working with critical paths to homeowners pouring a patio, we understand the value of time and the importance of quality

Health & Safety

IRM is dedicated to being a world leader in all aspects of its operations, including Health and Safety. IRM has a target of zero injuries and does not accept unsafe working practices.

The health, safety, and well-being of our people are of paramount importance to us and are critical to our ability to conduct our business and we continually monitor our safety progress to ensure that our programs are working as effectively as possible. All employees are expected to ensure zero tolerance of any practices that could result in accidents and ill health, and contribute to ensuring a safe working environment by taking the necessary measures and following the correct practices.

Safety is an integral part of management. Good management ensures safety. A safe and healthy work environment is vital to the success of the Company's business activities. Improvements in Health & Safety performance can be achieved by the combined efforts of Management and employees to develop safe systems and maintain the highest level of awareness.

The Management is aware of the importance of protecting the Company's most precious resource - its employees, and of the necessity to exert every effort in order to safeguard employees' health and safety. Quality cannot be achieved without safety, nor can safety be achieved without quality. Examination of safety procedures is a very effective way to judge an organization's progress.

The Company's Management is responsible for providing sufficient and appropriate means and support to achieve its goals with regard to Health and Safety. It is the duty of the Managers of the Group's companies and business units to ascertain that the Group's Health 86 Safety policy is complied with in accordance with Israeli Health 86 Safety laws and regulations.

Managers and employees are committed to maintaining safety at work at all times and to putting the safety of themselves, their colleagues, and third parties, at the top of their list of priorities.

Employees are encouraged to direct the Management's attention to any unsafe work conditions or procedures.

Managers should see to it that appropriate safety systems are in place and that suitable safety gear and equipment is provided in order to ensure that the Company's activities are carried out in a safe manner

Safety Essentials

The vast majority of incidents at work are caused by unsafe behaviour. One of IRM's biggest challenges, is therefore to change habits and encourage people to 'stop and think' before carrying out a task.

Work-related incidents are preventable and it is the right of every employee to go home well and free from injury at the end of each working day. IRM aims to achieve zero lost time incidents in Oman and, although, this is an ambitious target, IRM is confident this can and will be achieved.

In Oman it is estimated that up to 90% of workplace injuries are caused by unsafe behavior. To bring this figure down, IRM has created the following 12 fundamental Safety rules that all employees are expected to commit to, in the interest of themselves and their colleagues:

1. **Look After Yourself, Look After Each Other** - Don't let anyone act unsafely, always stop unsafe practices.
2. **Housekeeping** - Keep designated access routes and work areas tidy and free from trip/ slip hazards.
3. **Get a grip** - Hold handrails on stairways and use three points of contact getting into/out of vehicles.
4. **Personal protective equipment** - Always wear the correct PPE.
5. **Manual handling** - Use mechanical aids or ask for help to reduce the risks.
6. **Tools / equipment** - Use the right, well maintained tools/equipment for the job. Never make do.
7. **Driving** - Drive safely, ensure you are authorized and that vehicles/mobile plant are well maintained.
8. **Safe systems** - Follow safe systems of work, site rules, signage and traffic signals.
9. **Isolation procedures** - Never work on live or moving machinery - always 'lock out'.
10. **Working at height** - Use appropriate access equipment and fall protection.
11. **Confined spaces** - Obtain a permit to work and always follow the safety requirements.
12. **Incident/hazard alert cards** - Report all incidents/hazards immediately, and we strive towards achieving our goal of zero injuries for life.

ENVIRONMENTAL POLICY

As a leading Supplier of concrete and concrete raw materials, IRM understands that our business activities and products do have an environmental impact – what we seek is for this impact to be positive.

Our philosophy is that our business activities and products should have a NET POSITIVE EFFECT on our environment.

Our commitment to the responsible management of our environment and the prevention of pollution is underpinned by this philosophy which is integral to the success of our business.

To implement this policy and maintain our commitment, IRM will:

- Establish and maintain an Environmental Management System with measurable objectives and targets and defined responsibilities and accountabilities.
- Develop environmental management plans prior to any activity that has the potential to negatively impact the environment.
- Rigorously employ methodologies to identify environmental hazards, assess their risks and control the risks to as low as reasonably practicable.
- Develop and maintain environmental contingency response plans.
- Provide the resources, supervision, information and training to ensure our people can perform their work in an environmentally responsible manner.
- Facilitate continuous improvement by reporting and investigating all environmental incidents, including near misses, in order to maximize learning and prevent similar occurrences in future.
- Achieve a level of environmental performance that as a minimum achieves that required for legislative and regulatory compliance.
- Continually reduce our environmental footprint while delivering value for our employees, our clients and our shareholders, and
- Foster a culture that encourages and rewards sound environmental practices and ongoing consultation on environmental management.

IRM recognizes that the success of the Environmental Policy relies on the total commitment and cooperation of our people to achieve a NET POSITIVE EFFECT.

S. SRIHAR
Chief Executive Officer

HEALTH & SAFETY POLICY

IRM considers the health and safety of its employees to be of primary importance. IRM accepts the challenges of its operating environment and believes that the creation of a responsible health and safety culture in all its operations is integral to long term success.

It is IRM policy to strive to minimize health and safety risks in all its activities and to take an active role in raising the health and safety awareness and responsibility of employee, suppliers and customers.

For this Policy to be implemented IRM and all its employees, suppliers and contractors will:

- Conform to all relevant health and safety legislation and any other requirements.
- Provide a safe work environment for all staff, contractors and visitors.
- Provide the resources, supervision, information and training to ensure our employees can work safely.
- Ensure that all its operating businesses have appropriate policies, procedures and facilities so that such standards can be achieved.
- Integrate health and safety into all IRM management and reporting systems to ensure safety is at the forefront of our operations.
- Apply the principles of continuous improvement to health and safety performance through measurable objectives and targets aimed at the elimination of work related injury and illness.
- Promote health and safety awareness and responsibility among all employees, suppliers and customers.
- Recognize the required commitment to the communication and consultation approach with all employees.
- Cooperate with all relevant health and safety agencies.
- Conduct regular risk assessments, reviews of conformance to requirements and assessments of achievement of objectives at Board level.
- Establish a IRM Rehabilitation & Return to Work Policy and comply to such policy in the event of a work related injury, and
- Be available to interested parties on all matters of health and safety.

Compliance with this Policy is a responsibility of all IRM's employees and contractors.

S. SRIHAR
Chief Executive Officer

QUALITY POLICY

IRM aims to be the leading supplier of concrete and concrete raw materials in its markets by delivering quality products at competitive prices with professional service.

Quality is fundamental to this aim and is a guiding principal in everything we do: QUALITY IS OUR STRENGTH.

At IRM our objective is to maintain our customers' trust by delivering the best quality products which meet their expectations and set us apart in the market. We will also deliver the best possible service experience to our customers by exceeding their expectations and keeping our promises.

We achieve this through our exceptional people, excellent equipment, use of only the very best raw materials and robust systems that are continuously improved.

To implement this policy and maintain our commitment, IRM will:

- Establish, document, implement and maintain a Quality Management System.
- Provide the infrastructure and resources needed for quality, including the finances, equipment, materials, training, skills and experience of our people.
- Define and communicate quality responsibilities and authorities.
- Understand customer requirements, plan their realization and measure success in meeting them.
- Maintain and improve both internal and external communication processes so that customers and employees receive responses to their needs within 24 hours.
- Continually review our quality objectives and the strategies that underpin them.
- Plan and conduct regular audits and management reviews of the Quality Management System and operating practices to ensure ongoing suitability, adequacy, effectiveness and continuous improvement.
- Meet or exceed all legal and contractual obligations.
- Ensure quality issues and non-conformances are resolved through effective and expeditious corrective and preventive actions.
- Foster a culture of open and honest appraisal and communication of audit results and performance data, including our successes, and
- Require and encourage everyone at IRM to enhance our reputation as a customer-focused company that consistently delivers the highest quality by implementing this policy.

IRM recognizes that building value for its employees, customers and shareholders is underpinning by the quality of its products and service. Everyone at IRM is totally committed and will cooperate to achieve this objective.

S. SRIHAR
Chief Executive Officer

BATCHING PLANTS

1. LIEBHERR Stationary Plant :

Erected in 2008

Capacity 90m3/hr.

2. SIMEM Stationary Plant :

Erected in 2012

Capacity 60m3/hr.

3. STETTER Semi Mobile Plant :

Erected in 2013

Capacity 100m3/hr.

4. MEKA Mobile Plant :

Erected in 2013

Capacity 120m3/hr.

5. STETTER Semi Mobile Plant :

Erected in 2013

Capacity 56m3/hr.

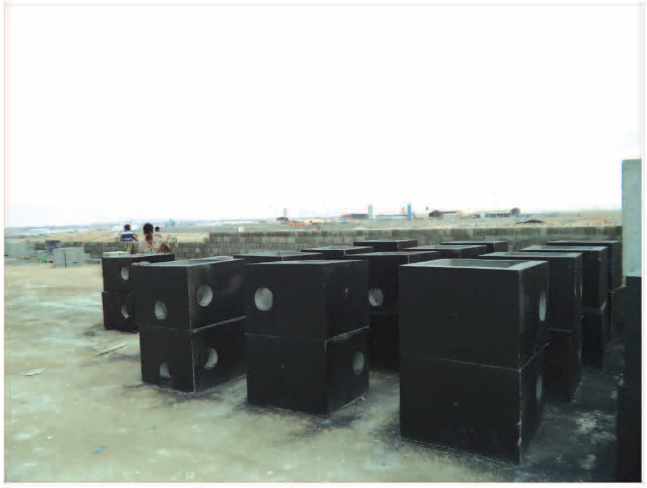
BLOCKS & OTHER CEMENT PRODUCTS

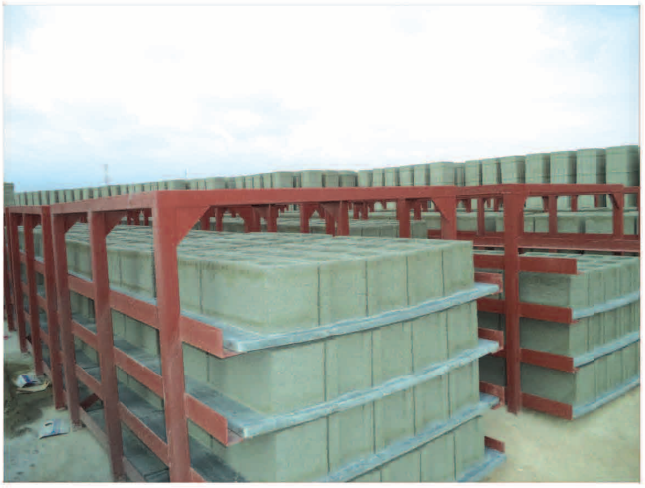
Apart from supply of Readymix Concrete, we manufacture the under noted cement products as per customer's requirements:-

- Solid & Hollow Concrete Blocks
- Kerb Stones
- Many other Concrete Pre-cast items like Foundations for poles, Barriers, Manhole covers, etc. etc.

We have most modern machinery to produce Blocks and other Concrete Products. We also have other supporting machineries for transportation and delivery of those items.

We can produce 30,000 Concrete Blocks per day by utilizing 2 Block Making Machines; one from Spain and the other machine erected in 2014 made by QGM, China with German collaboration.





CEMENT PRODUCTS

LABORATORY FACILITY

TIPS ABOUT CONCRETE

Make Your Concrete Last Longer

Here are a few tips that will enable you to ensure that concrete remains good throughout its intended lifespan:

Ordering ready mixed concrete

Do consult a qualified structural designer to determine the grade of concrete required for your structure. Ensure that the IRM technical team is informed about the correct grade of concrete along with other relevant details (specific contractual requirements or suggestions from the structural designer).

Formwork (Shuttering and Centering)

A properly constructed formwork is the cornerstone of a reliable concrete structure. Do have the formwork inspected and approved by a qualified structural designer before pouring the concrete. Here are a few guidelines that will help you build quality formworks.

For formwork of ground floor slabs, the props should rest on firm surface, preferably PCC. When the formwork is rested on earth, ensure that the ground is dry and well compacted. Use spreaders for props resting on ground. Avoid the use of wooden props if possible; steel supports are preferred. For slabs, ensure that props are vertical. Load carrying capacity reduces significantly when props are inclined. To fix props, use bracings on both sides and runners at the center. Seal any gaps in shutter joints to avoid leakage of cement slurry. Before concrete is poured, ensure that interiors of the forms (shutters) are cleaned and shuttering oil (form release agent) is applied. Avoid the use of engine oil or other such lubricants as they may stain the concrete surface. During concreting, forms, props, and all other supports must be continuously checked After concreting, do consult your structural designer before removing the formwork.

Type of Formwork	Minimum Period
Vertical formwork of columns/walls/beams	16-24 hours
Props for slabs with span up to 4.5 m	7 days
Props for Slabs with span over 4.5 m	14 days
Props for beams/arches with span up to 6 m	14 days
Props for beams/arches with span over 6 m	21 days

Reinforcement

Rough handling, shock loading and dropping of steel from a height should be avoided. Avoid the use of wooden props if possible; steel supports are preferred. Reinforcement should be free of rust, scales and coats of mud, oil or any other substances that may reduce or destroy the bond between steel and concrete. Re bending and straightening of steel should preferably be avoided. Do have the reinforcement checked by the structural designer after it is placed and secured. The cover is the distance between the reinforcement and the concrete surface and is vital in ensuring the durability of the structure. Please find below few recommendations.

Structure	Minimum Cover
For all concrete works in slabs, beams etc	20 mm
For longitudinal reinforcing bars in column	40 mm
For columns with minimum dimension of 200 mm or less with maximum bar diameter of 12 mm	25 mm
For footings	50 mm

Placing of Concrete

Improper placing of concrete could result in a defective structure that may require expensive repairs. While placing concrete, do ensure that:

The concrete is deposited in or very near to its final position.

The concrete is not placed in large heaps on the formwork. Moving heaped concrete manually or with a vibrator should also be avoided.

The concrete is poured vertically from a height of less than one meter; otherwise it may lead to segregation.

In mass concrete works, the concrete is placed in uniform layers; sloped layers may lead to segregation.

When thickness/depth of structure is more than 300 mm (1 foot), concrete is placed in two or more layers of equal thickness/depth. In general, the allowable thickness of each concrete layer ranges from 150 mm (6 inches) to 300 mm (1 foot).

In layered construction, fresh layer of concrete is placed only after the lower layer is properly compacted, but before that layer has set. If the continuity in placement is not maintained, it will lead to the formation of cold joints that will weaken the structure.

For slabs, concrete placement starts from the corners and ends, and then continues inwards.

There is no displacement of reinforcement and/or damage to formworks.

For large concrete pours, proper planning and co-ordination are crucial in avoiding delays, cold joints, or segregation.

When concrete is being poured into deep sections with heavy/congested reinforcement, ensure sufficient visibility so as to ensure proper placement of concrete. Inadequate care in placing may lead to segregation, poor finish and honeycombing effect, particularly in the lower portions of the structure.

Compaction of Concrete

Concrete, unless it is specifically designed for self-compaction, must be compacted. Compacting concrete removes the entrapped air and voids, and consequently increases the strength and durability of the concrete. To achieve uniformly compacted dense concrete:

In the general construction of slabs, beams and columns, use needle vibrators of 50 mm diameter. For thin sections, in confined locations, and in structures with congested reinforcement, use a 30 mm diameter needle vibrator.

Ensure adequate supply of spare vibrators and adequate fuel at the site.

The concrete surface being compacted must be visible.

The needle should be inserted quickly and allowed to quickly and completely penetrate the concrete on its own weight.

The needle should not be left in the concrete for more than 10 seconds. If the concrete is being pumped, it will have a slump of 80-120 mm; in this case, the needle should not be left in the concrete for more than 5 seconds. Over vibration may cause mortar to accumulate on the top with the resultant thin layer having poor strength.

Use experienced operators to man vibrators; they can determine when adequate compaction is achieved. Typical signs of sufficient compaction are air bubbles on the surface and the constant drone of the needle vibrator.

Withdraw the needle from concrete slowly to ensure that the hole left by the needle is filled.

Insert needles in staggered fashion to ensure uniform compaction for the concrete.

In a layered placement, the needle should penetrate the bottom layer by 80-100 mm.

For compaction in hot weather (for concreting of slabs), use a light initial vibration and then another round of vibration after about 30 minutes; this helps in significantly reducing shrinkage cracks.

If concrete segregates due to over vibration, fine aggregates tend to accumulate on concrete surface and there is a tendency to shrink and crack. To avoid this, plough up and mix coarse aggregates with the help of forks (punja) before finishing.

Wherever construction joint is to be provided, stop-ends should be firmly fixed to avoid movement of joints and ensure proper compaction of the concrete near stop-ends.

Curing of Concrete

Curing of concrete, which helps retain water in concrete that may have evaporated due to prevailing high ambient temperatures and/or windy conditions, is the last but significant step in concrete construction. Inadequate curing can result in concrete of poor strength and durability.

Curing is generally done by sprinkling or spraying of water, by ponding or immersion, and by covering exposed surfaces with wet jute or hessian cloth. For slabs, ponding is the best method of curing. For effective curing of concrete, do ensure that:

Continuous and adequate supply of water is available at the site throughout the curing period.

The exposed concrete surfaces are kept in the wet or damp condition for at least 10 days from the date of placing concrete. Curing for 14 days would be ideal.

In hot weather, curing by sprinkling of water is started within 4 to 5 hours of batching of concrete and continued till bunds are prepared and ponding is done.

In some cases, when the temperature is above 30Â°C and strong winds are blowing, concrete surfaces may dry very fast inducing plastic shrinkage cracks as early as within 30 minutes of concrete placing. In such a situation, trowel the cracked concrete surface while it is still plastic to erase the cracks and then ensure that the concrete surface is continuously kept wet.

Curing water and material used for bunds are free of substances which may stain or discolor concrete.

Preferably cement mortar is used to prepare of bunds instead of earth.

Bunds for ponding of water are maintained throughout the curing period.

The height of bunds is sufficient for the ponding water to cover entire area uniformly including corners and edges. To avoid dry spots, water should be ponded for at least 20 mm above the highest point of concrete surface.

For sloped roofs, staircases, columns and other vertical surfaces, cover the entire surface with hessian or jute cloth which is saturated with water throughout the curing period.

Apparent ready mixed concrete shortages are caused by:

Miscalculation of form volume or slab thickness when actual dimensions exceed the assumed dimensions by even a fraction.

Deflection or distortion of the formwork.

Irregular subgrade and its settlement.

Smaller quantities wasted or used in incidental works for large pours.

To ensure sufficient supply of ready mixed concrete:

Measure formwork accurately and order sufficient quantity to finish the job.

For large pours, include an allowance of about 2% over planned dimensions to account for wastage, potential increased thickness, etc.

Towards the end of large pours, carefully measure the remaining volume and confirm the closing quantity to the ready mixed concrete supplier.

FREQUENTLY ASKED QUESTION (FAQS)

How can I be sure of the quantity of ready mixed concrete supplied?

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Can I add water to the ready mixed concrete at the site?

NO! Restrain masons at the site. Do not force Transit Mixer Operators to add water to ready mixed concrete. Consequences of such actions can be severe. Properly designed ready mixed concrete contains optimum water. Inform the ready mixed concrete supplier if workability (slump) of ready mixed concrete is not as expected. If required, dosing of admixtures along with a small quantity of water would be done by the ready mixed concrete supplier's technical personnel.

How do I ascertain the quality of ready mixed concrete?

Ready mixed concrete mixes are supplied only after exhaustive laboratory and plant trials.
To ensure consistent quality, incoming raw materials are regularly tested. Sampling and testing of ready mixed concrete is done every day as per Codal stipulations. At IRM Concrete, we invite you to visit our laboratories to witness the process.

What are the dimensions of transit mixers?

The transit mixers are about 9 m long, 2.5 m wide and 3.8 m high

How much does a truck weigh?

A truck weighs 10 tons when it is empty and 25 tons when it is fully loaded with ready mixed concrete.

What is the minimum load size IRM Concrete can deliver?

IRM Concrete can deliver a minimum load size of 6-9 cubic meters.

What is the duration for which the ready mixed concrete remains usable during winters and summers?

During winters: Depending on the workability, the ready mixed concrete might be usable for up to 3 hours.

During summers: In hot weather, ready mixed concrete may start stiffening within an hour, depending on the prevailing ambient temperature. If the ready mixed concrete dries faster, sprinkling with water or curing compounds is required to prevent the cracking of the plastic surface.

Is there any time limit for unloading of ready mixed concrete at site?

Oman Standards specify that ready mixed concrete must be discharged from the transit mixer truck within 2 hours of the time of loading. It is also mandatory to make arrangements at site to ensure that full load of ready mixed concrete is discharged within 30 minutes of arrival on site.

How does a transit mixer work?

When the ready mixed concrete is transported to the construction site, the ready mixed concrete is pushed deeper into the drum attached to the back of the truck with the help of a spiral blade fitted within the drum. This is achieved by rotating the drum in one direction. This process is known as charging the transit mixer.

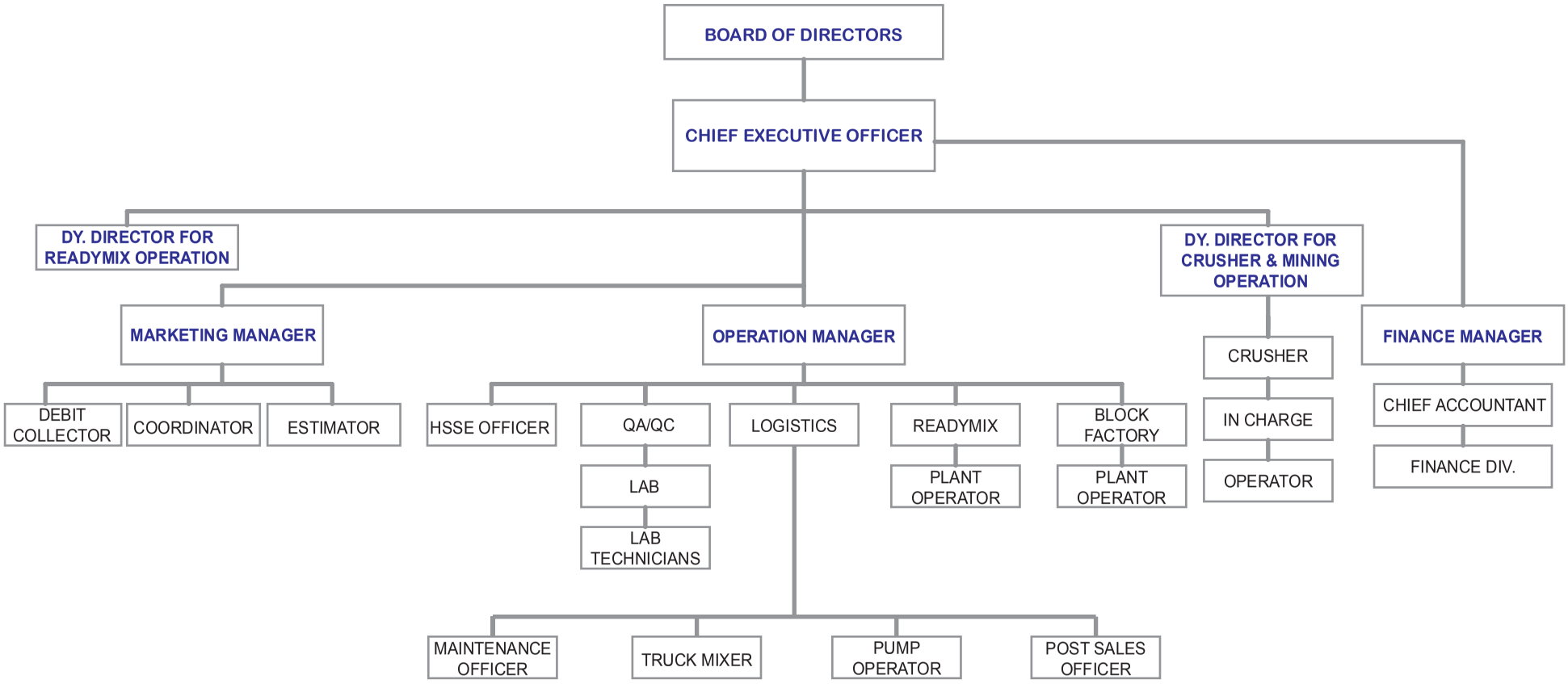
At the construction site, the drum is rotated in the other direction, which forces the ready mixed concrete out of the drum. This process is known as discharging. The ready mixed concrete may be discharged directly into chutes, pumps or on to conveyor belts

How do pumps work?

Pumps are designed to facilitate pumping of ready mixed concrete through the pipeline under high hydraulic pressure. When ready mixed concrete is pushed through the pipeline, it is separated from pipe line wall by a lubricating layer of cement, water and fine aggregates. Ready mixed concrete should have enough cohesiveness and workability for the mix to move easily through pipeline, bends, reducers and hoses.

INTERNATIONAL READY MIX - IRM

COMPANY ORGANIZATION CHART

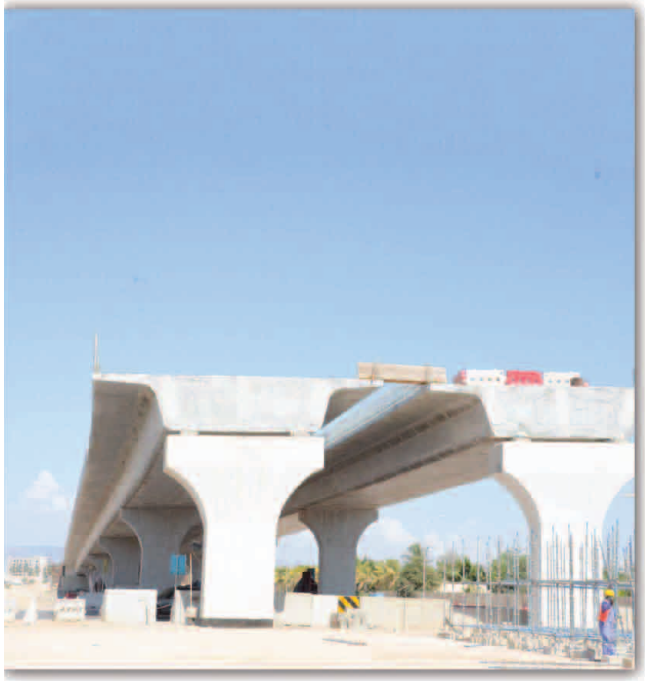


PLANT & MACHINERY

Description	Qty.	Make	Capacity		No's
BATCHING PLANTS	6	Liebherr, Germany	90	M3/Hr	1
		Simem, Italy	60	M3/Hr	1
		Stetter, Germany	100	M3/Hr	1
		Meka, Turkey	120	M3/Hr	1
		Stetter, India/Germany	56	M3/Hr	1
		Stetter, India/Germany	30	M3/Hr	1
BLOCK MACHINES	2	Prensoland, Spain	12000	per day	1
		QGM, China/German	20000	per day	1
ICE PLANT	1	Snowkey, China	43	MT/Hr	1
CHILLER PLANTS	3	Snowkey, China	5	M3/hour	2
		Snowkey, China	7.5	M3/hour	1
SAND WASH PLANTS	3	Proman, India	30	MT/Hr	1
		Oman	50	MT/Hr	1
		CDE, UK	100	MT/Hr	1
CRUSHER PLANTS	2	Parker, U.K.	150	TPH	1
		Sandvik, Sweden	250	TPH	1
ASPHALT PLANT	2	Parker, UK	60	TPH	1
		Speco, Korea	120	TPH	1
CONCRETE PUMPS	6	Benz / Putzmeister	36	Mtr	3
		Volvo / Putzmeister	42	Mtr	1
		Benz / Komac	52	Mtr	1
		Benz / Komac	55	Mtr	1
BLOCK CRANES	3	Volvo / Ferrari			3
TRANSIT MIXERS	38	Volvo / Liebherr	9	M3	5
		Volvo / Liebherr	12	M3	29
		Benz / Everdigm	12	M3	4
TIPPERS	4	MAN	16	M3	4
TIPPER TRAILERS	20	VOLVO	40	M3	20
SHOVELS	12	XCMG, China	3	M3	11
		Hitachi	4	M3	2
		CAT 980, KOMATSU 500	5	M3	2
EXCAVATOR	1	VOLVO 480			1
FORKLIFTS	7				7
CEMENT BULKERS	4		50	MT	4
WATER TANKERS	2				2
TRANSFORMERS	3		1000 KVA	KVA	3
GENERATORS	3	Caterpiller	165KVA	KVA	2
		Caterpiller	350KVA	KVA	1

ITEEN BRIDGE

AL ROBAT BRIDGE



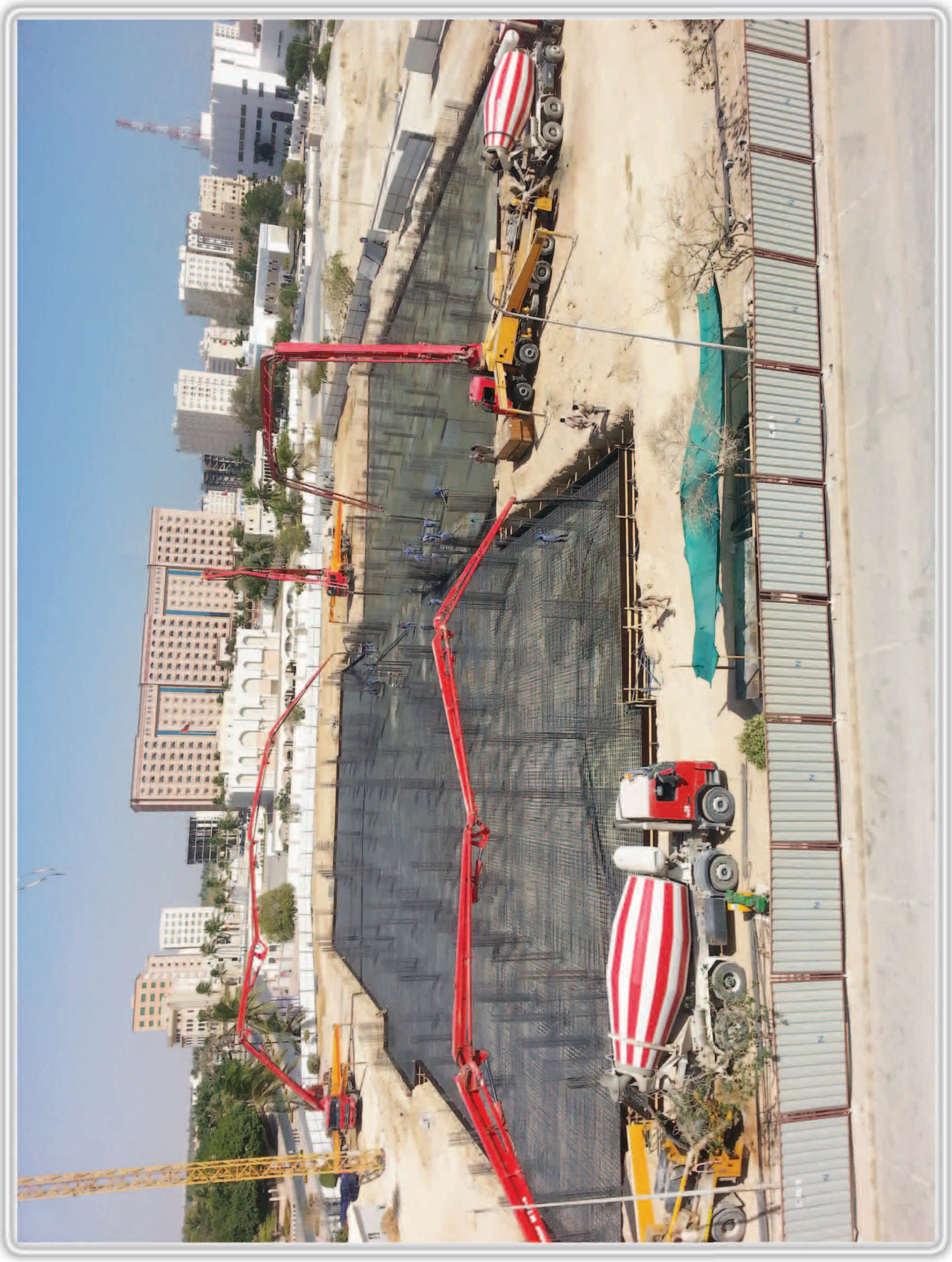
SITES

International ReadyMix Co.LLC.
VOLVO

SITES

SITES

SITES



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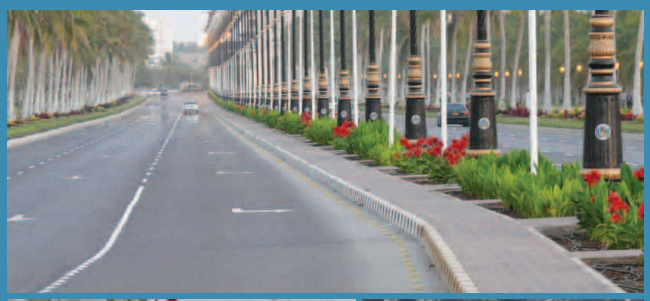
Shanfari & Partners Company LLC was established in 1960. Since then the company has formulated the basics and principles required for future development. When the renaissance started under the wise leadership of His Majesty Sultan Qaboos Bin Said, the Company expanded its activities to become one of the largest and most distinguished companies in the Sultante of Oman.

The Comapny has several business sectors Civil & Road Construction Contracting, Manufacturing, Transport, Trading, Printing & Advertising, Electro Mechanicel, Travels & Tourism, Real Estate, Mining, Automative Solutions & Energy Sector and each division is managed by Professional Managers, Engineers, Staff & Workers

- Core Businesses
- Ready-Mix & Concrete Products
- Road and Civil Construction
- Fuel Distribution & Logistics & Filling Stations
- Trading & Merchandising
- Printing & Advertising
- Heavy Equipment
- Electro Mechanical
- Travel & Tourism
- Real Estate
- Air Conditioning
- Mining



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Customer Care Officer: Blocks	Mr.P.Sajeevan, : (968) 99290087

At International Readymix Co. L.L.C., ours is a travelogue, a journey led by inspirations. Encouraging us to keep moving ahead... and inspiring us to continue to light up the faces of people in the region.

Our endeavour in multi discipline management of engineering projects and services has given us a choice. The choice to practice our values with commitment.

And our commitment is deeply embedden in trying to make a diiference in our todays and tomorrows.