



# **DHANGAR READY MIX CONCRETE PLANT**

**A Unit of DHANGAR CONSTRUCTIONS PRIVATE LIMITED**

**(Civil Contractor)**

## **Ready Mix Concrete (RMC) Profile**



## **RMC Introduction**

**Ready-mix concrete is concrete that is manufactured in a factory or batching plant, according to a set recipe, and then delivered to a worksite by truck mounted in transit mixers. This results in a precise mixture, allowing specialty concrete mixture s to be developed and implemented on construction sites. The first ready-mix factory was built in the 1930s, but the industry did not begin to expand significantly until the 1960s, and it has continued to grow since then.**

## **Plant Introduction**

**Dhangar RMC Plant RMC is a name synonymous with trust in cement industry. Since inception in ....., it has been a trendsetter in areas of quality and technical services of concrete technology. Dhangar RMC Plant RMC is the high tech solution to all your concrete needs, with a unique track record of innovative research, product development and timely delivery of ready mix concrete with excellent quality. The company's unit is backed by an equipped lab with latest apparatus to test the raw material as well as manufactured concrete.**

**The production of concrete is strictly done as per BIS guidelines and specifications to supply the best**

**Quality at all times. Dhangar RMC Plant RMC of a well technically trained operational staff and a dedicated team to run the operations smoothly who are richly experienced in all kinds of situations. Whether a technically qualified professional or transit mixer operator, everybody brings to their work a passion for quality and service that is in harmony with the Company's commitment to Trust.**

## **Quality of Material**

**"WHERE QUALITY IS Our First Propriety**

**Dhangar RMC – is committed to consistency, achieve client satisfaction by providing Quality Product including Technical Services and assuring timely delivery of Ready Mix Concrete with excellent quality.**

**Our mission is to continually improve and integrate systems for Safety, Health, Environment, Personal, Industrial Relations and Quality Assurance to ensure a seamless, consistent and effective management system.**









## Quality of Product

**Dhangar RMC plant produces following types of concrete:**

- + Concrete of all grades from M-7.5 onwards.**
- + High performance concrete from grade M-50 onwards.**
- + Concrete of any mix design, as per client's requirements / specifications.**
- + Concrete with 40mm size down under aggregate.**
- + Fiber Reinforced Concrete.**

## Test as Plant

### **A. For Mix Design**

**Sieve Analysis – Fine Aggregate**

**Test of Water for Concrete Production**

**Sieve Analysis – Coarse Aggregate**

**Specific Gravity of Fine & Coarse Aggregate**

**Silt Content in Sand**

**Water Absorption Test of Fine & Coarse Aggregate**

- + Slump Cone Test- Crushing Value of Aggregate.**
- + Impact Value of - Strength of Cement Aggregate.**
  
- + Fineness of Cement- Test of Aggregate of Cement.**

## B. During Preparation of Ready Mix Concrete

**Sieve Analysis – Fine Aggregate**

**Sieve Analysis of Fine & Coarse Aggregate**

**Silt Content in Sand**

**Water Absorption Test of Fine & Coarse Aggregate & Adjustment accordingly in Mix Design**

+ **Slump Cone Test- Strength of Cement.**

+ **Fineness of Cement- Initial & Final Setting time of Cement.**

+ **Compressive Strength Test of Cubes.**

### Lab Equipment

Sr No.	Equipment Designation	Capacity	No.
01.	Compression Testing Machine	2000 KN	2
02.	Aggregate Impact Value Test Apparatus	-	5
03.	Elongation Index Gauge	-	5
04.	Flakiness Index Gauge	-	5
05.	Vicat's Apparatus	30 Cm	5
06.	Electronic Digital Weighing Balance	30 Kg	5
07.	Oven (Digital Indicator)	250 C	5
08.	Rapid Moisture Meter	25C	5
09.	Cube Mould for Concrete	-	100
10.	Cement Cube Moulds	-	45
11.	Accelerated Curing Tank	-	5
12.	Slump Cone (With Tamping Rod)	-	15
13.	Vibrating Machine	-	5
14.	10% Fine Value Mould	-	5

15.	Flexural Machine	-	25
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## Plant Equipment

Sr No.	Equipment Designation	Unit	Qty.	Qty.
01.	Batching Plant Fully Accessories	Nos	2	30*2= 60Cum/hr
02.	Transit Mixers	Nos	6	-
03.	Stationary Concrete Pump	Nos	2	-
04.	Truck Mounted Pump	Nos	0	-
05.	Concrete Pipeline Rigid	Mtr	200	-
06.	Power Generator 100KVA	Nos	2	-
07.	Cargo/ LCV	Nos	4	DCM
08.	Backhoe/Loader	Nos	2	JCB
09.	RO System	Nos	1	
10.	Chilling Plant	Nos	0	Effective During
11.	Tractor	Nos	2	Summers

## Our Valuable Clients

-  **Apraava Energy (CLP)**
-  **Jhajjar Power Limited**
-  **PWD B&R Jhajjar**
-  **Ultratech Cement Limited**
-  **JK Cement Limited**
-  **Wonder Cement Limited**
-  **JK Laxmi Cement Limited**
-  **Lafarge Cement Limited**
-  **Aravali Power Company Pvt. Ltd.**





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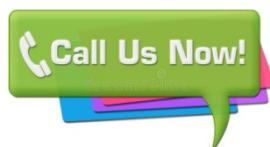
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**(Civil Contractor)**

## **Ready Mix Concrete (RMC) Profile**

**Head Office: - VPO. C/o Preeti, Bahu Jholri,  
Matanhail, Dist:- Jhajjar,  
Haryana, 124142**

**Site Office: - Near NTPC Power Plant,  
Jharli, Jhajjar, 124106**



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**Auth. Signatory**

**Ajit Singh**

**(Director)**

**Auth. Signatory**

**Sujeet Singh**

**(Director)**