



# SUNSHINE READYMIX INDIA

*feel the strength*



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# SUNSHINE READYMIX

Plant Add (1) Gurugram : Rithoj Road, Bhondsi, (Haryana)  
(2) Greater Noida : Sirsa, KHS-365/366, Gautam Buddha  
Nagar, Uttar Pradesh

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param@sunshineinfrasolutions.com  
+91 8929368163

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## INTRODUCTION :

Sunshine Readymix (INDIA) is a prominent manufacturer of high quality concrete. We are in the business of readymix concrete since 2015. We stand committed to the quality of our product and services with assurance of complete backup and support. The satisfaction of our customer is the fundamental principle of our company. With a wide range of design mix, Prompt services & vast experience Sunshine Readymix Remains dedicated to the customer.

We have been able to get associated with most of the big players of the industry and gained reputation and goodwill based on the Quality of products and services that we offer.

We are very much quality conscious about our finished product that we manufacture as well as the raw material we intake to manufacture the finished product. Our plant is equipped with a full test lab. We have all necessary test lab/Quality testing equipments required for the purpose of testing the quality of the raw material as well as the finished product. Below mentioned is a brief list of our lab equipments: -

**CTM Machine : 2(Aimil Fully Automatic)**

**ACT Machine : 1**

**Motor Cube Vibrating Machine**

**Concrete Mixture**

**Hot Air Oven**

**Flakiness and Elongation Gauge**

**Aggregate Impact Value Apparatus**

**Wire Basket for density test**

**Density Cylinders : All Type**

**Measuring Cylinders : All Type**

**Digital Thermometer : All Type**

**IS Sieve**

**Flow Table**

**Pycho Meter**

**Rapid Moisture Meter**

**Vicat Needle Apparatus**

**Digital Hydro Meter**

**Electrical Oven**

**Flow table**

**Slump test apparatus**



## DESIGN MIX

Below are the design mix we have been using:

### WITH FLYASH

S.No.	Grade	Cement	Fly Ash	Micro Silica	Aggregate 20mm	Aggregate 10mm	Sand	Water	Admixture	Total
		(K.G.)	(K.G.)	(K.G.)	(K.G.)	(K.G.)	(K.G.)	(K.G.)	(K.G.)	(K.G.)
1	M-7.5	120.0	125.0	0.0	626.0	418.0	815.0	179.0	1.00	2284
2	M-10	150.0	110.0	0.0	654.0	433.0	780.0	175.0	1.08	2303
3	M-15	210.0	110.0	0.0	635.0	428.0	745.0	175.0	1.60	2305
4	M-20	260.0	80.0	0.0	642.0	428.0	740.0	174.0	1.79	2326
5	M-25	280.0	100.0	0.0	645.0	436.0	721.0	171.0	2.28	2355
6	M-30	330.0	90.0	0.0	665.0	444.0	677.0	172.0	2.40	2380
7	M-35	370.0	100.0	0.0	663.0	440.0	635.0	175.0	3.29	2386
8	M-40	410.0	90.0	0.0	663.0	443.0	604.0	175.0	4.00	2389
9	M-45	450.0	100.0	0.0	651.0	434.0	600.0	165.0	4.40	2404

### WITHOUT FLYASH

S.No.	Grade	Cement	Aggregate 20mm	Aggregate 10mm	Sand	Water	Admixture	Total
		(K.G.)	(K.G.)	(K.G.)	(K.G.)	(K.G.)	(K.G.)	(K.G.)
1	M-10	180.0	656.0	438.0	812.0	184.0	1.08	2271
2	M-15	220.0	665.0	440.0	790.0	180.0	1.32	2296
3	M-20	290.0	689.0	456.0	748.0	173.0	1.62	2358
4	M-25	330.0	665.0	443.0	741.0	180.0	2.16	2361
5	M-30	360.0	700.0	465.0	697.0	171.0	2.52	2396
6	M-35	410.0	707.0	470.0	676.0	164.0	2.87	2430
7	M-40	430.0	713.0	473.0	653.0	160.0	3.52	2433



**RAW MATERIAL TESTING MEASURE :**

We have our testing measures for all the raw material. All the raw materials go through under intensive testing procedure before getting clearance from the quality department. Below mentioned are the testing procedures take place at our lab :-

- Particle density for coarse aggregate
- Aggregate crushing value
- Sieve analysis – Fine and coarse aggregate
- Cement testing
- Flakiness test
- Cube testing on 7 and 28 days

- Water absorption for coarse and fine aggregate
- Aggregate impact value
- Bulk density
- Elongation test
- Flyash test
- Admixture testing

**ON SITE QUALITY MANAGEMENT :**

We take special care of quality management at the site. One of our lab technicians is always present at the site. Cube filling in proper way, slump maintenance at the time of pouring are very crucial activities at site.

**SOURCE OF RAW MATERIALS :**

**Aggregate & Sand:**

1. We have two of our own stone crushing plants based Kotputli & Nangal (Rajasthan)
2. Also we have two sand plants out of which one is known as M Sand of MNC Company (CDE Asia) the first Plant in North India, Which is fully automatic with latest technology.

**Fly Ash:** NTPC Jharli, NTPC Dadri

**Admixture:** SIKA, BASF

**Cement:** Ultratech, Wonder



**Unique Feature of EcoSand for Concrete**

- 150µ below particles limited to <12% and 75µ below particles between 3-6% by weight
- Delivered in SSD condition resulting in no additional correction for water absorption
- Free water content at par with best available natural sand
- Tested for High Performance Concrete (HPC) and Self Compacting Concrete (SCC)
- Consistent gradation

Case study made under guidance of industry experts. Optimization for concrete design mix has been achieved using EcoSand.

**Comparative Concreting Study of EcoSand Vs Unwashed Crusher Dust**

Mix Design (M3)	Constituents				Compressive Strength (MPa)	
	Cement	Flyash	Sand	Crusher Dust	EcoSand	% Increase in MPa
M3-1	225	75	7	12.07	25.96	41
M3-2	260	90	7	17.85	28.85	41
M3-3	300	100	7	25.85	43.11	53.9
M3-4	338	110	7	30.25	38.75	39.2
M3-5	338	110	7	42.87	52.58	54.7
M3-6	375	125	7	54.18	41.12	18.9
M3-7	375	125	7	48.11	57.58	14.7



## **INFRASTRUCTURE OF OUR PLANTS :**

### **Gurugram**

1. Land - 2.5 Acres
2. Plant - Schwing Stetter M1
3. Capacity - 60 cum/hrs
4. Transit Mixer - 12 (Make Tata, Ashok Leyland, AMW)
5. Concrete Pump - 4
6. Silo - Cement 120mt & fly ash 100 mt
7. JCB - JCB 3DX
8. Dust Collector - Dust collector with 3HP compressor

### **Greater Noida**

1. Land - 1.5 Acres
2. Plant - Aquarius SP 60C
3. Capacity - 60 cum/hrs
4. Transit Mixer - 10 (Make Tata, Ashok Leyland)
5. Concrete Pump - 3
6. Silo - Cement 100mt & fly ash 100 mt
7. JCB - JCB 3DX
8. Dust Collector - Dust collector with 3HP compressor





## SOME OF OUR PRECIOUS CLIENTS





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