



# SKYMIX

*With Quality & Speed...*

**SKYMIX CONCRETE**

Ready Mix Concrete  
(A UNITE OF SKYWAY INFRAPROJECTS PVT LTD)

*Thank You*

Contact Us for More Information



hk.skymix@gmail.com



+91-95294 01672

Plant : Near Golden Bambuzz Hotel & Ashok Layland Work Shop, National Highway  
8, Village : Sasuvnagar Teh : Vasai Dist : Palghar, Mharashtra.



Scan the code above for more details



## Know About Compnay

Skymix is a rapidly growing company in the field of construction and is resting on the strengths of a strong foundation where trust comes first. It welcomes projects of all sizes and is committed to delivering the highest level of value and services to esteemed customers. It has been a journey of excellence since then.

Through the years and into the future, it continues to be on a steady drive towards perfection by maintaining old customs and adding new endeavours. It has marched on new horizons and newer challenges. The saga of excellence continues...With our focus towards empowering the nation, our endeavours currently span across Construction.

Our principal activity is to construct Roads, Residential, Industrial and Commercial Buildings. The company is into Hydraulic Engineering, Water Supply Projects, Building Repair works, Building Construction Work, Storm Water Drains & Canals. The company is equipped with well-experienced Architects, Structural Engineers, Interior Designers and Construction Specialists as associates.





# Quality Assurance/ Quality Check Services

- ▶ Our own VSI crusher aggregates used for RMC product.
- ▶ Fully equipped quality control laboratory at all plants.
- ▶ Mix Designs are designed and tested thoroughly to yield optimal performance.
- ▶ The constant in-house monitoring of our concrete performance through a regimented concrete sampling program.
- ▶ With our quality management system comes process control. We have thorough system of quality control in place at all of our plants. This helps us to identify, document and correct most problems before they reach the field. These procedures are also extended to the calibration and maintenance of all of our batching and testing equipment

**BASICALLY WE PERIODICALLY CARRY OUT ALL THE REQUIRED TESTS OF RAW MATERIALS BEING USED FOR THE PREPARATION OF CONCRETE, SOME OF THE M ARE AS FOLLOWS:**

- 1 Daily: Silt Content of Every Vehicle.  
Moisture Content.  
Water absorption.  
Over/Undersize material of Every Vehicle
- 2 Weekly: Sieve Analysis for Gradation.  
Dry Loose Bulk Density.
- 3 Monthly: Impact Value. Crushing Value.  
Flakiness Elongation.
- 4 Quarterly: Specific Gravity.  
Third Party testing of all the Raw Materials.



# Modern Plant & Equipment:

- Salient features of Skymix Project Base Plants (PBP) Plants include:
- Fully automated plant with computerized control on the entire production process.
- Load cell base, weight batchers and weight bridge for input material.
- Power mixer for effective mixing.
- Separate water tight silos of cement, flyash and independent bins for the storage of different sizes of fines and coarse aggregates.
- A Large fleet of well maintained transit mixer, towing van, dumpers and concrete pump which can pump up to 150 metres vertically. (ie. upto 50 floor).

## 1) READY MIX CONCRETE

Ready-mix concrete or RMC as it is popularly called, refers to concrete that is manufactured in a factory or batching plant, according to a set recipe, and then delivered to a worksite, by truck mounted transit mixers in a freshly mixed and plastic or unhardened state.

This results in a precise mixture, allowing specialty concrete mixtures to be developed and implemented on construction sites. Ready-mix concrete is sometimes preferred over on-site concrete mixing because of the precision of the mixture and reduced worksite confusion. Concrete itself is a mixture of Portland cement, water and aggregates comprising sand and gravel or crushed stone. Ready Mixed Concrete is bought and sold by volume, expressed in cubic meters. RMC can be custom-made to suit different applications.





## 2) QUALITY CRUSHED AGGREGATES

Particles produced by the VSI have rounded edges and a surface texture closely resembling that of naturally formed aggregates. Traditionally, most aggregate used in concrete originate from a gravel pit.

It is recovered and screened then material conforming to size requirements is used in concrete without further processing. Due to its naturally rounded shape, resulting concrete has good workability properties.

These sources of aggregate have been depleted and, increasingly, aggregate is now produced from material recovered from hard rock quarries. Because most material is crushed using compression crushers, the shape of aggregate particles is generally angular, lacking the smooth rounded edges of naturally formed aggregate particles. It is generally accepted that well shaped coarse aggregate, as produced by the VSI, can reduce the cement content of concrete. Recent experience has shown that by improving the flakiness index by 14% and elongation by 32%, cement content could be reduced by between 4% and 10% to achieve concrete of equivalent strength.

## 3) ARTIFICIAL SAND

Natural sand are weathered and worn out particles of rocks and are of various grades or size depending on the accounting of wearing. The main natural and cheapest resource of sand is river. Dams are constructed on every river hence these resources are erasing very fast. Nowadays good sand is not readily available; it should be transported from long distance. Those resources are also exhausting very rapidly. So it is a need of the time to find some substitute to natural river sand.







## What is ready mixed concrete?

- ▶ As the name indicates, **Ready Mixed Concrete (RMC)** is the concrete which is delivered in the ready-to-use manner. RMC is defined by the American Concrete Institute's Committee 116R-90 as: "Concrete that is manufactured for delivery to a purchaser in a plastic and unhardened state".
- ▶ The **Indian Standard Specification IS 4926:2003** defines RMC as: "Concrete mixed in a stationary mixer in a central batching and mixing plant or in a truck-mixer and supplied in fresh condition to the purchaser either at the site or into the purchaser's vehicles".

## Site Mixed Versus Ready Mixed Concrete

- |                         |   |
|-------------------------|---|
| ▶ Quality of concrete   | ▶ Requirement                                   |
| ▶ Speed of construction | ▶ Reduction in wastage Improved life cycle cost |
| ▶ Saving in labour      |   |





# Customer Benefits

- ▶ Being a customer-centric organization, Skymix carefully looks into the exact needs of its customers, innovatively designs concrete mixes and optimizes mixture proportions that satisfy not only the given technical requirements but are also cost-effective, thus benefiting the customers.
- ▶ Customers are also benefited from the expertise in concrete technology that is possessed by the Company professionals.
- ▶ The Company provides substantial emphasis and attaches high priority on providing products of uniform quality on a consistent basis to all its customers

## Benefits Of Project Base Plants

- ▶ 24 hrs service at site.
- ▶ Reduced Transit time which maintains the Quality of Concrete.
- ▶ Time saving which in turn reduces the overall time period of project and overhead charges.
- ▶ Controlled Concert with computerized batching plant with Quality assurance to the client.
- ▶ Expert team on site.





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