



READY MIXED CONCRETE MANUFACTURERS' ASSOCIATION – (RMCMA)

(Bulletin No. 13)

Concrete Mix Design for Durability

PRESIDENT'S MESSAGE

Dear RMCMA Members,

It is with great pride that I present this month's bulletin on "Concrete Mix Design for Durability." As India's construction landscape evolves rapidly, our role as ready-mixed concrete manufacturers becomes increasingly significant in ensuring the longevity and sustainability of our nation's infrastructure.

Durability is not merely a technical specification; it is our commitment to excellence and responsibility. The diverse environmental challenges across our country - from coastal salinity to industrial exposure - demand concrete solutions that stand the test of time. This bulletin addresses these challenges head-on, focusing on critical durability concerns such as chloride attack, sulphate attack, reinforcement corrosion, and abrasion resistance.

I am particularly pleased to note the transition our industry is making from prescriptive to performance-based specifications. Landmark projects like the Bandra Worli Sea Link and Atal Setu exemplify this shift, demonstrating how innovative approaches to mix design can achieve superior durability outcomes. These projects serve as beacons for our industry, illustrating that when we embrace advanced methodologies and materials, we create structures that are not only durable but also sustainable.

The bulletin delves into the fundamental principles of durable concrete mix design while highlighting recent advancements in materials and technologies. The adoption of Ultrafine SCMs, high-range water-reducing admixtures, and innovative approaches like the particle packing method represent exciting opportunities for our members to enhance product quality and performance.

As RMCMA President, I encourage all members to study this bulletin thoroughly and implement its recommendations. Remember that every batch of concrete we produce carries our reputation for quality and durability. By staying at the forefront of mix design technology, we not only fulfil our business objectives but also contribute significantly to India's infrastructure development.

Let us continue to collaborate, innovate, and uphold the highest standards in ready-mixed concrete production. Together, we can build an India that is strong, sustainable, and built to last.

Yours in service to the industry,

Er. Anil Banchhor
President (RMCMA)

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