

**RECONS  
GGBS**



Recons Group, a trusted JSW Cement partner, supplies high-quality GGBS (Ground Granulated Blast-furnace Slag) to RMC makers and major infrastructure projects across India. As a sustainable by-product of iron production, GGBS boosts strength, durability, and eco-performance in modern construction.

## Advantages

- Reduction in heat of hydration and minimization of Thermal cracks
- Lower early age temperature rise, reducing the risk of thermal cracking in large pores. Better workability, making placing and compaction easier
- Absorption of surplus lime released out of OPC to form in to secondary hydrated mineralogy
- High resistance to chloride ingress, reducing the risk of reinforcement corrosion. High resistance to attack by sulphate and other chemicals
- Impermeability is the foremost mechanism for making the concrete more durable and is best achieved by using GGBS
- Reduction requirement of cement for same strength thus reduces the cost of concrete. GGBS usage ranges from 50% to 70% leading to cost saving
- IS 456:2000 recommends addition of more than 50% GGBS where Chloride is encountered along with Sulphates in place of SRC

## Applications & Usage

GGBS is commonly used in combination with Ordinary Portland Cement (OPC) and other pozzolanic materials.

It enhances concrete durability, making it ideal for: Bridges, Dams, Marine structures. Commercial and residential high-rise buildings.