

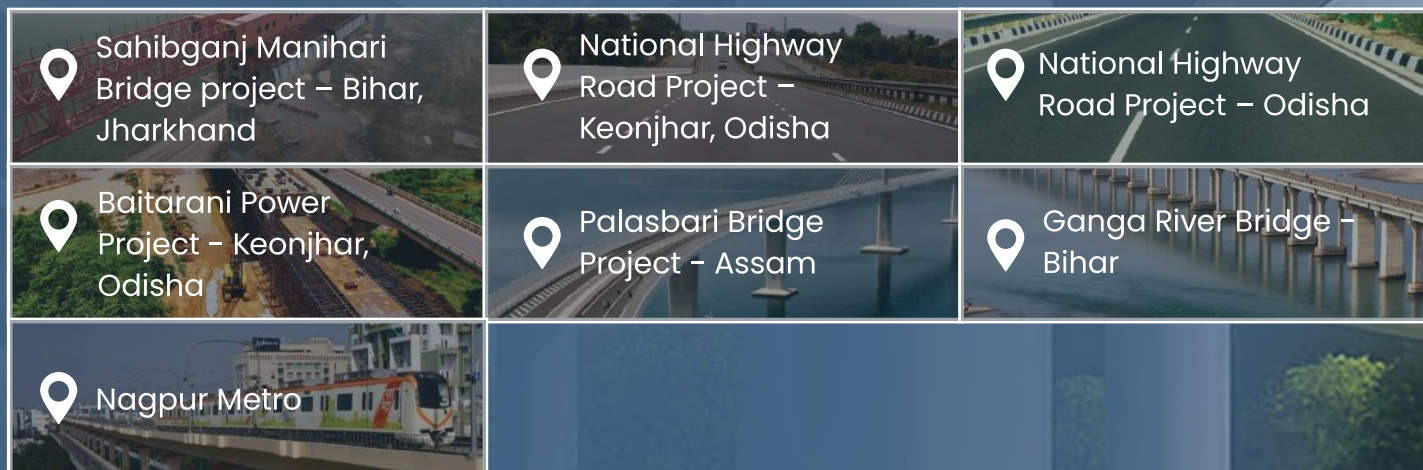
Jindal Panther GGBS Edge

-  Durable long lasting concrete performance
-  Consistent Raw Material
-  Modern Grinding Technology
-  Higher Reactive Glass Content
-  Proven Replacement Level
-  Reliable Logistics

Applications

-  Ready-mix, precast, and high-performance concrete
-  Foundations, mass concrete (dams, rafts, piles)
-  Marine/coastal and water-retaining structures
-  High-rise, bridges, flyovers, roads
-  Green building and infrastructure projects
-  Repair, retrofitting, and precast elements

Major Projects:



 **Toll Free 1800 208 2008**

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Jindal Panther GGBS

 Concrete solutions for
a **green** tomorrow



Product Overview

Jindal Panther GGBS (Ground Granulated Blast Furnace Slag) is a high-quality, eco-friendly supplementary cementitious material derived from granulated blast furnace slag, a by-product of the steel manufacturing process. Finely ground and precisely engineered, it serves as a premium, eco-friendly alternative to traditional Portland cement, delivering superior strength, durability, and sustainability for modern construction projects.

Engineered for today’s construction needs, it’s trusted in major infrastructure and green building projects across India. From highways to high-rises, Jindal Panther GGBS helps you build stronger, more durable, and sustainable structures. While reducing your project's carbon footprint it **ensures superior concrete performance today and a better planet tomorrow.**

Features & Benefits



Superior Strength

Made from select blast furnace slag, delivers high compressive and flexural strength



Superior Durability

Resists chlorides and sulphates, and minimizes corrosion and structural damage; making it ideal for marine, coastal, and infrastructure use



Low Heat of Hydration

Reduces early age thermal cracking, ideal for mass concrete, foundations, rafts, dams, and high-rises



Eco- Friendly

Lowers carbon footprint, conserves resources, and qualifies for green building points

Chemical Properties

Component	BIS Recommendations	Jindal Panther GGBS
 CaO		32-38
 SiO ₂		17-22
 MgO	17 Max	08 Max
 Sulphide Sulphur	2 Max	0.4 Max
 Glass Content	Min. 85	90-96
 Insoluble Residue	3 Max	1.5 to 2 Max

Comparison of GGBS with FLYASH

	SLAG	FLYASH
Source	Blast furnace – quenching of molten material	Thermal Power Plants – fine residue of combustion
Chemical composition	Similar to that of Cement	High SiO ₂ and Al ₂ O ₃ , but low in CaO
Hydration	Hydraulic	Non-hydraulic
Permitted replacement of cement	25 – 70 %	15 –35%
Production process	Very stringent – stable chemical composition of slag	Not as stringent as in the case of Steel / Iron

Advantages

- ✓ Enhances long-term strength and durability of concrete.
- ✓ Improves workability due to finer particle size.
- ✓ Reduces permeability of concrete, minimizing water ingress.
- ✓ Helps in reducing alkali-silica reaction (ASR) in concrete.
- ✓ Increases service life of structures with reduced maintenance costs.
- ✓ Lighter concrete color, leading to better aesthetics and reduced heat absorption.
- ✓ Environment friendly – reduces CO₂ emissions by replacing a portion of cement clinker.