



G.G.B.S

**GROUND GRANULATED
BLAST-FURNACE SLAG**



COMPANY PROFILE

Laxmi Group promotes **Laxmi Blocks Building Pvt. Ltd.** to manufacture best quality of **AAC Blocks**.

Laxmi Groups manufactured AAC blocks are used for their own building constructions too.

Laxmi Group is part of a diversified conglomerate having business interests in Real Estate Construction and green Building Materials

Laxmi Blocks Building Pvt. Ltd is manufacturing with latest innovations and is certified ISO 9001:2008 Company.

Laxmi Blocks Building Pvt. Ltd introducing new green building products known as **GGBS**. **Ground Granulated Blast Furnace Slag (GGBS)** is an environmentally friendly product and made from a by-product of iron manufacturing.

It is a high quality, low CO2 material. Because GGBS has low embodied CO₂ it allows designing concrete mixes for sustainable construction.



ADVANTAGES OF GGBS

- | | |
|---|---|
|  Portland cement alternative |  Very low Heat of Hydration & Reduced Thermal Cracks |
|  Protect from chemical attack |  Protect the reinforcement steel from corrosion |
|  Incomparable Long Term Strength |  Green Product |
|  Increase stiffening time |  Reducing the embodied carbon |
|  Substantial improvement in durability and workability | |

Sr No	Characteristic	GGBS	IS 16714-2018 and Draft Code of GGBS Circulated by BIS
1	Colour	Grayish White	-
2	Specific Gravity	2.85-2.95	-
3	Glass Content	95 + 3	85%(min.)
4	Fineness(m2/kg)	450 + 20	320
5	Slag Activity Index a) 7 days b) 28	70% 90%	60% (min.) of Control OPC 60% (min.) of Control OPC
6	Soundness a) Le-Chatelier (mm)	2.0	-
7	Proportion of use	20% to 70%	

PHYSICAL
CHRACTERISTIC
OF GGBS



RESIDENTIAL AND COMMERCIAL
CONSTRUCTION



INDUSTRIAL
CONSTRUCTION



READYMIX
CONCRETE



STRUCTURE FOR
MARINES



CONSTRUCTION OF TREATMENT
PLANT



Laxmi BLOCKS



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