



TERRAFINE GYPSUM PLASTER

 buildico Terrafine LLP
"Give Your Dream A Lifetime Protection"

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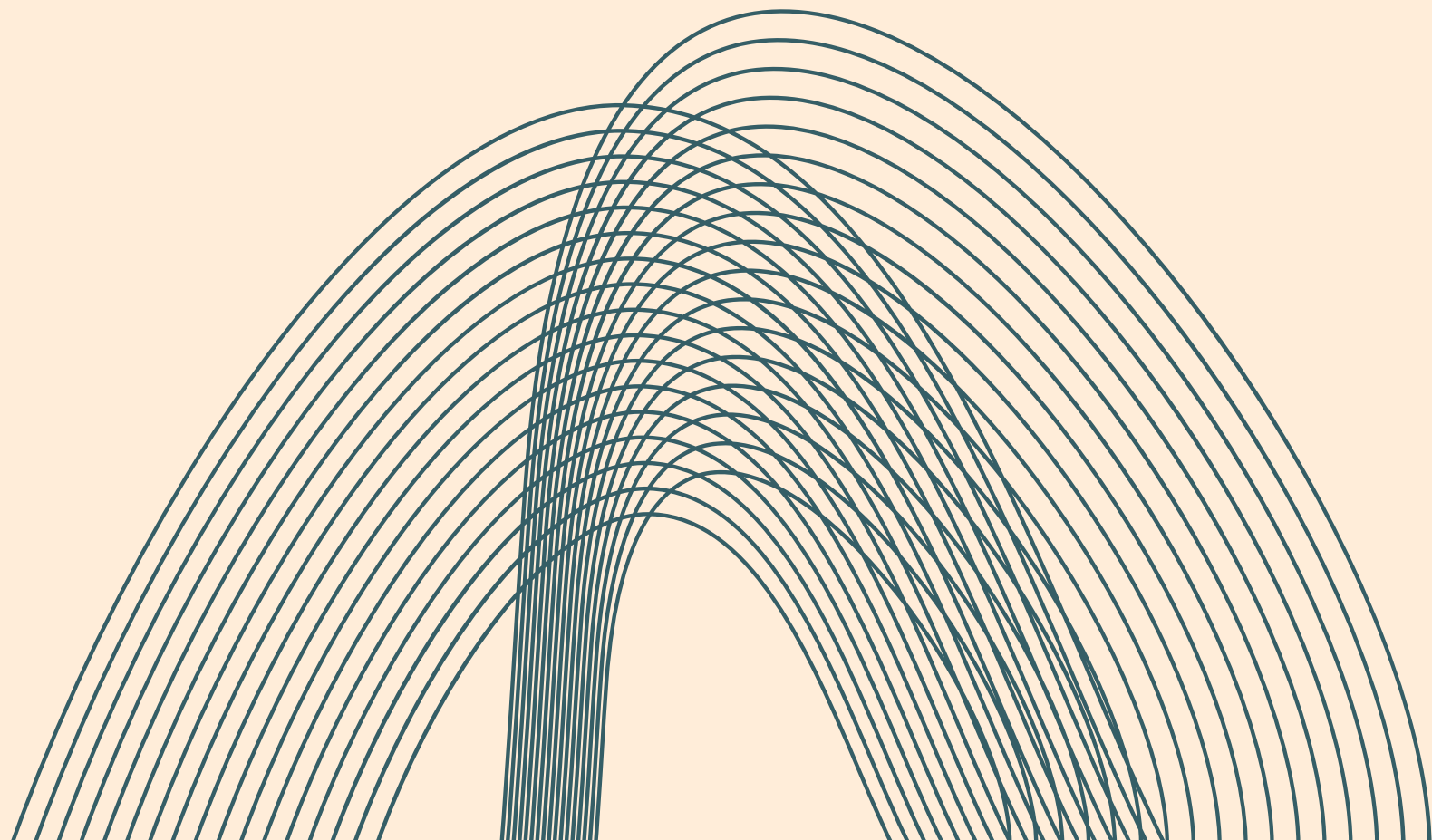
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WHAT IS GYPSUM.?

Gypsum is a light weight material that we can get in two ways

1) evaporating sea water in massive prehistoric basins, i.e., marine gypsum

2) through mining, i.e, mineral gypsum. In terms of its chemical composition, it is Calcium Sulphate Di-hydrate ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$) and inherently contains 21% water by molecular weight.

Gypsum products have been used for centuries in the construction space and are the material of choice because of gypsum's unique properties. It has excellent insulation properties both thermal and acoustic and can offer very good passive fire protection, moisture resistance, impact resistance and vapor control when used in combination with the right system



WHAT IS GYPSUM PLASTER.?

When a wall is constructed with brick or block, they are finished with a coat of plaster which is called internal plastering. Internal plastering has traditionally been done through a process of sand-cement plastering finished with POP pruning.

This is a two stage process and involves multiple elements like sand, cement and water which is mixed on site. This form of plastering is being slowly replaced by a direct single coat application of HD-MR , TERRAFINE GYPSUM PLASTER .

So gypsum plaster is actually a replacement of two processes i.e. sand cement plastering & POP punning. TERRAFINE GYPSUM PLASTER is produced as a result of calcinations of the raw gypsum in an automatic kettle under controlled temperature.



WHY TERRAFINE GYPSUM PLASTER.?

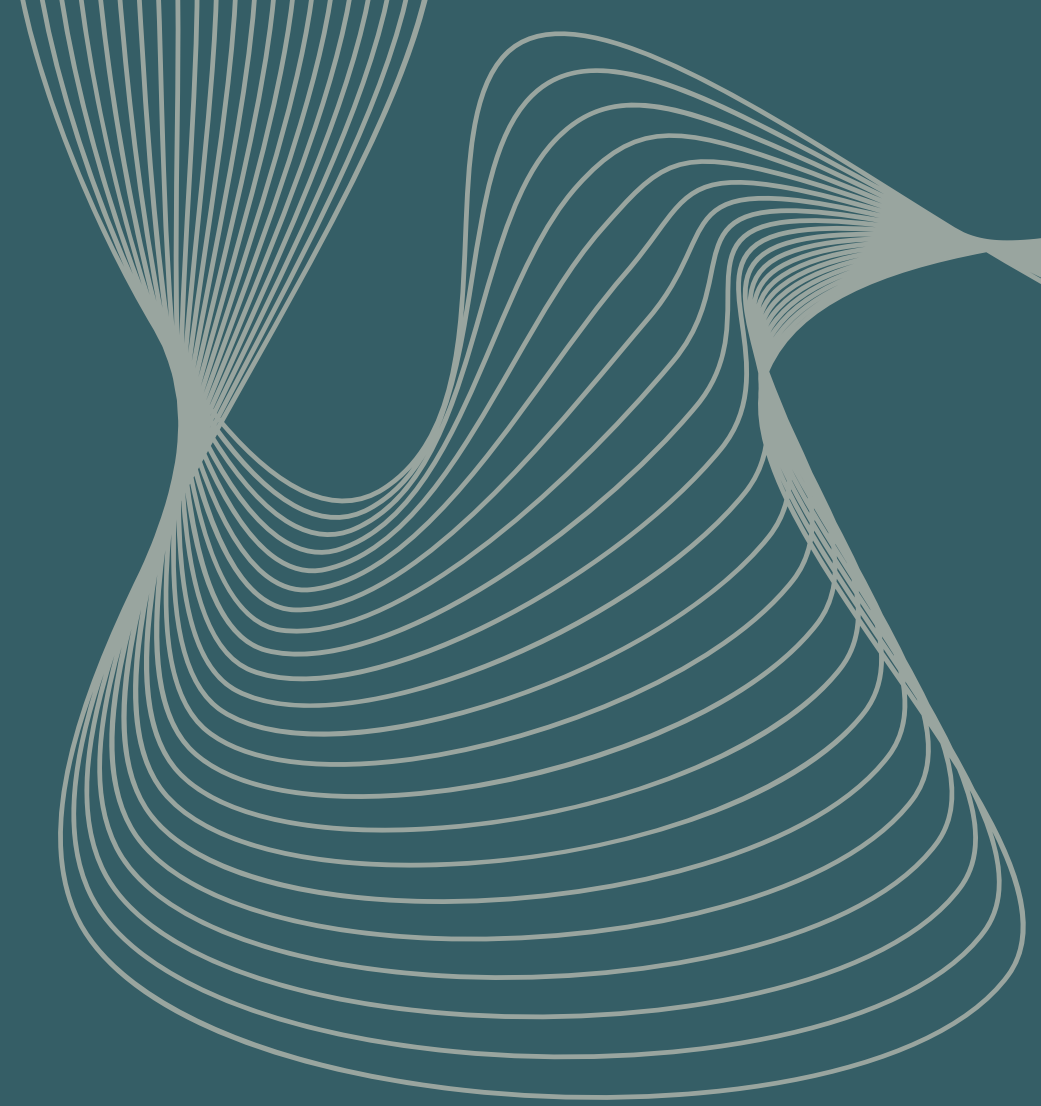
Through a continuous research on the Variety and Quality of all Gypsum mines, our team found that the best one among them is "TERRAFINE GYPSUM PLASTER", which is a mining product from Iran.

TERRAFINE GYPSUM PLASTER is the highly processed forms of calcium sulphate obtain from mines. It is washed, treated, calcined at std. specific temperature, pulverized to fine mesh, sieved & hardening, strengthen compounds & are added to give final product, It is specially polymerised to obtain HD-MR quality and packed in 25 Kg packing. As gypsum is a mineral which is natural and eco-friendly, the our gypsum plaster is approved by CII-IGBC for consideration towards Green Building rating system (LEED), also approved by indian govt national test house and certified, and our product is ISO certified

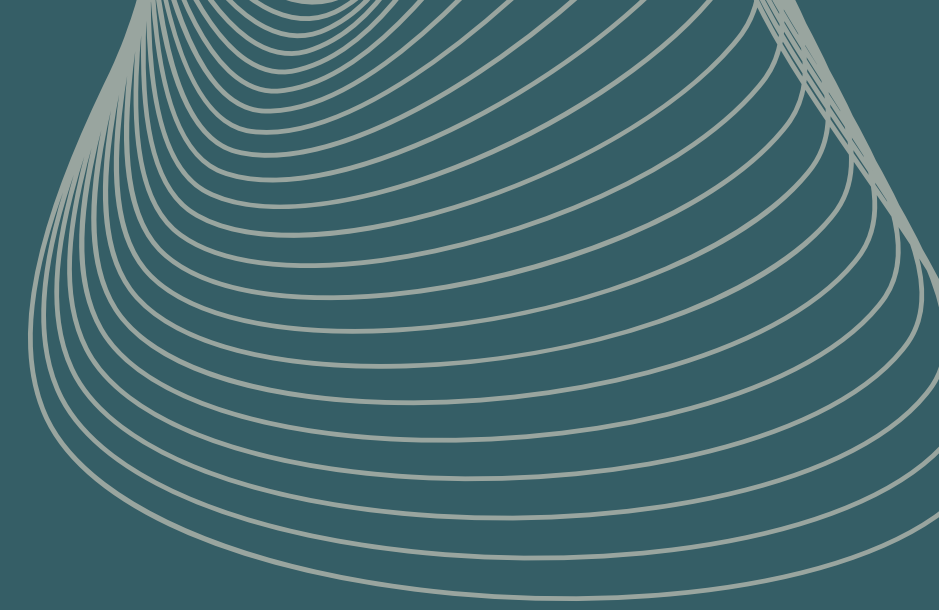


AREA OF APPLICATION:.

- Internal bare brick walls
- Hollow concrete blocks
- Concrete columns
- R. R. C. ceilings
- Shiperox block work
- clay blocks etc.



Benefits of HD-MR TERRAFINE GYPSUM PLASTER:.



It can be directly applied on the above mention Area of Applications, so there is no need of cement plaster, white washing, POP, water curing etc. Free from inherent shrinkage cracking, high density, no curing, and no fungus, provide smooth surface, holds nails & other fittings, all normal decoration etc.

INDISTINCT LIFE

- Terrafine gypsum plaster contains no dangerous chlorides. It retains its composition for thousands of years as testified by the construction of the Cheops Pyramids

ABSENCE OF SHRINKAGE CRACKING

- Terrafine gypsum Plasters do not shrink (like cement) during the drying out and hardening process.

INSULATION PROPERTIES

- Terrafine gypsum Plasters have low conductivity and good thermal properties, ensuring energy and power saving. Tested in accordance to BS 874:1973. Appendix - C, Class "A" in accordance to DIN 4102. The thermal conductivity is 0.32 W/mk.

FLEXURAL TENSILE STRENGTH

- Terrafine gypsum plasters exhibit high tensile and flexural strength. They are less prone to cracking or debonding due to thermal, tensile and shearing movement of the background

NON-TOXIC AND ANTI-FUNGUS

- Terrafine gypsum plasters will not harbour insects or nourish mould growth or fungi. They pose no health hazards and are therefore frequently specified in hospitals and clinics. They are gentle on the skin and offer a clean, healthy environment.



LOW THERMAL CONDUCTIVITY

- Terrafine Gypsum plaster offers low thermal conductivity, making it great for saving heating and cooling costs in a building.

EASY TO USE

- Terrafine Gypsum plaster can be used on any wall surface, including smooth and textured ones. It's easier to apply than cement mortar and requires less manual labor.

REDUCE CONSTRUCTION COST

- Terrafine Gypsum plaster creates a smooth, level surface on the walls and ceilings that is suitable for painting. No need of extra putty application

HEAT RESISTANCE

- Terrafine Gypsum has a non-combustible core filled with chemically mixed water (in calcium sulphate). Terrafine Gypsum Plasters are designed to withstand extreme heat levels.

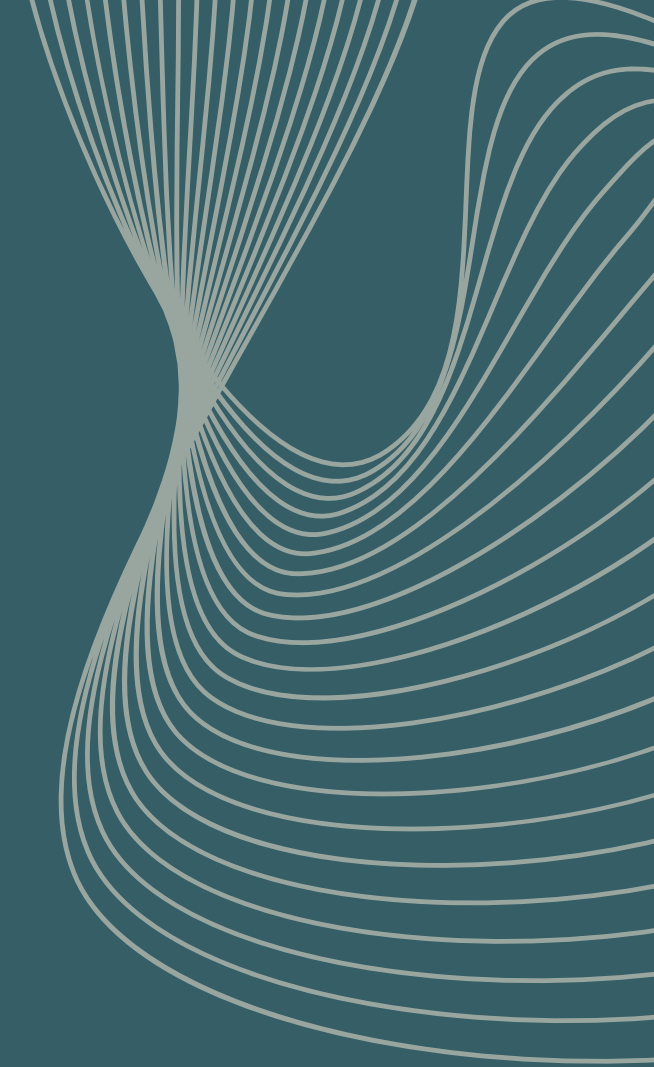


Material Specification

- Product Parameters Terrafine Gypsum Plaster
- Coverage per at 12mm Thickness 18-20 Sqft
- Compressive Strength 50-60 Kg/ Sq Cm
- Flexural Strength 30-35 Kg/ Sq Cm
- Bulk Density 0.85-0.9 GMS/CU-CMS
- Modulus of Ration (Kg. Per CM2) 40 Kg/ SQ CMS
- Consistency (Water : Plater Ratio) (65 ML-70 ML) 100 GM
- Fineness Mesh 200, Residue 2%
-

Our Laboratory Test Result as per IS-2547-Part-1-1976

- **Test Method Results**
- Sulphur Trioxide (SO₃) IS-1288 40-65%
- Calcium Oxide (CaO) IS-1288 31.03%
- Magnesium Oxide (MgO) IS-2547 0.21%
- Sodium Oxide (Na₂O) ICP 0.062%
- Loss on Ignation at 300 C IS-2547 6.50%
- Free Lime IS-2547 NIL
- Residue on 1.18mm Sieve IS-1607 NIL



Buildico Career Timeline



2014

FOUNDED THE MATERIAL AND INTRODUCED TO KERALA MARKET

2017

INTRODUCED & BRANDED TERRAFINE TO KERALA MARKET

2018

BEGINS DEALERSHIP BUSINESS IN KERALA

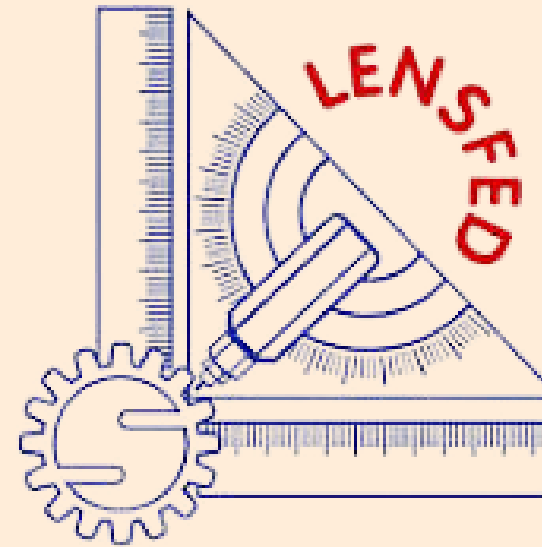
2022

EXPANDED TO KARNATAKA AND TAMILNADU MARKET.

2023

EXPANDED TO ANDRA, TELANGANA & GOA MARKET

Our Satisfied Clients



OUR PREMIUM CLIENTS



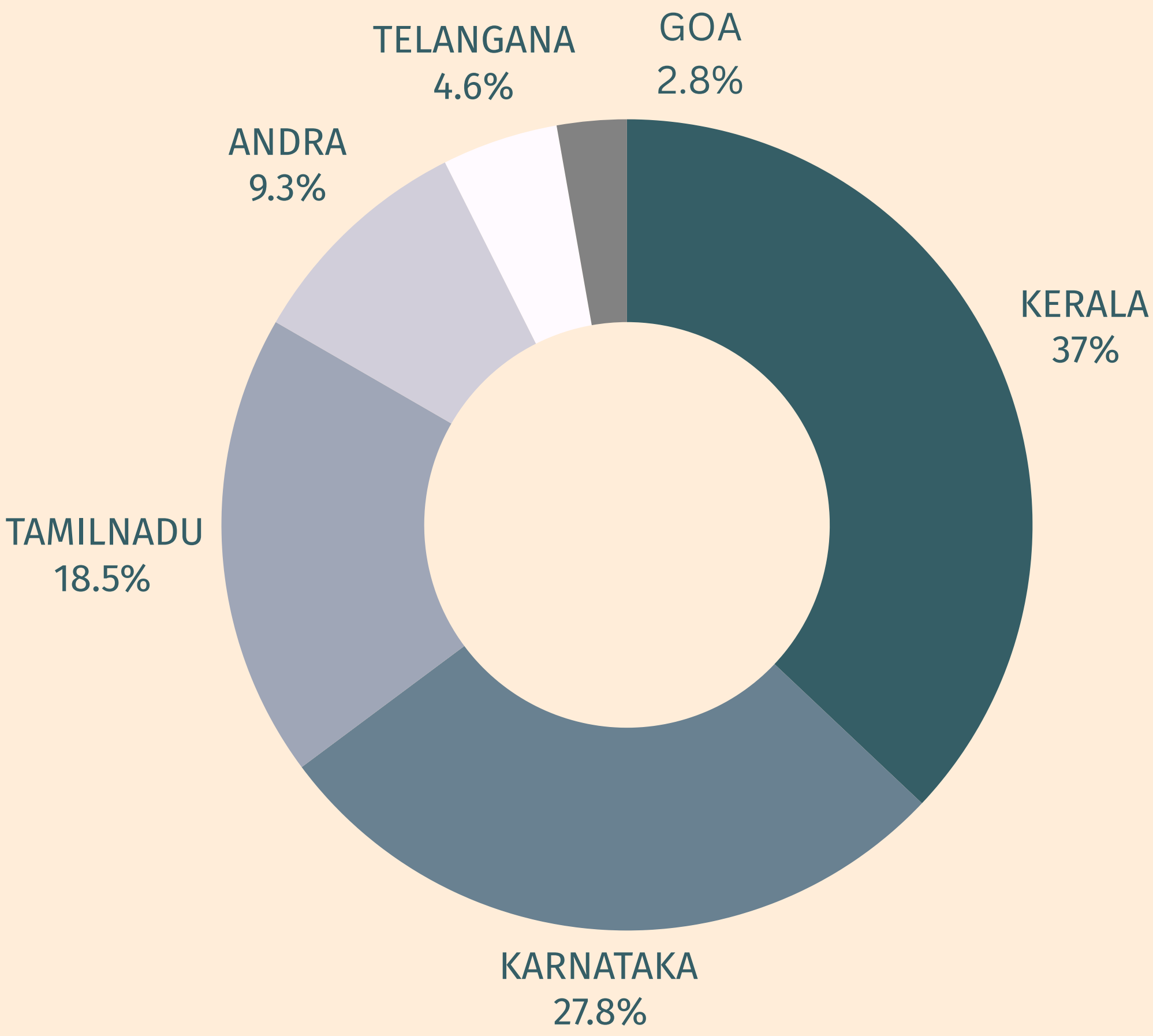
TELLICHERRY
CO-OPERATIVE HOSPITAL

OUR CERTIFICATIONS



OUR TOP CERTIFICATION







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