



Sky Light



Wooden Jallies



Bamboo Screen



Bamboo Railing



Central Courtyard



1 KLD Grey Water Treatment



5 KL Rain Water Harvesting System



5 Kw Solar Power Unit



Indoor Garden

## Demonstration of Sustainable Housing Technologies Director General's Bungalow

For Further Information, Please Contact:

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### Rat-trap Bond Brick Work:

Rat-trap bond technique used for compound walls reduces the cost of construction and provides an ethnic look.

### Filler Slab:

The filler slab concrete roof filled with light weight clay materials like Mangalore tiles or clay bowls reduces the cost of roof slab and provides good thermal comfort.

### Walls:

The walls are constructed using cement stabilised compressed earth blocks (CSE) made up of normal soil, sand and 8% cement. These blocks are cost-effective and provide good thermal comfort inside the building.

### RR Stone Masonry:

RR stone masonry is used for the foundation of the building with locally available stones to reduce cost.

### Mud Plastering:

Mud for plastering provided to the outer walls gives better thermal insulation, smooth finish and an ethnic look.

### Pointing and Painting on CSE Blocks:

Direct painting on the CSE block walls without plastering gives an ethnic look and enables cost saving.

### Tandoor Stone Flooring:

Use of naturally available tandoor stones is cost-effective, provides good finish, durable and environment-friendly

## APPROPRIATE SUSTAINABLE COST-EFFECTIVE HOUSING SOLUTIONS

