

SCP Sustainable Construction Practices

**Think how we can be an economic and environment friendly constructor?
Also think! how we can contribute in improving global climate change and in reducing global warming??**

Vertical Shaft Brick Kiln

Vertical Shaft Brick Kiln (VSBK) is an energy efficient and environment friendly Brick Factory where bricks are fired with special attention to obtain quality bricks. The salient features of VSBK are:

- 12 months operation
- 30% - 40% less energy (coal) consumption
- 80% lesser emission
- Occupational and health safety of workers
- Uniform quality bricks
- Lesser payback period



Rat Trap Bond

In addition to conventional English and Flemish Bond Rat Trap Bond (RTB) is a special 9" thick brick masonry wall with cavity inside for insulation. RTB has following features:

- 30% saving in bricks and 40 % saving in cement mortar than 9" English Bond
- 30% less energy consumption than 9" English bond
- less carbon foot print
- Good heat and sound insulation
- Earthquake resistance construction system can be adopted easily



RCC Door/Window Frame

RCC Door/Window Frame is a precast element produced by casting cement, sand and aggregate with reinforced steel in a wooden or steel mould as per the required size and design. Features of RCC D/W frame are:

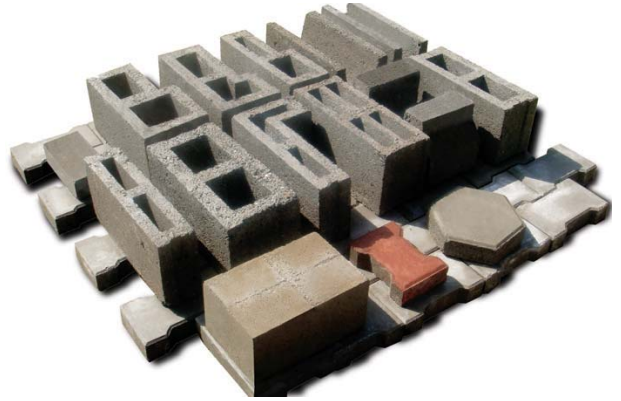
- 40% - 50% cost effective than wooden frame
- High Strength with less maintenance
- Can be made in required size and shape
- Foldable & easily transportable
- Alternative of timber thus saves forest



Concrete Hollow Blocks

Concrete Hollow Block is precast cement product for walling as a substitution to bricks which can be casted in various shape and sizes and has following features:

- 30% - 40% cost effective compared to 9" thick English Bond brick wall
- Consumes 30% less energy than Rat Trap Bond
- Earthquake resistance construction system can be adopted easily
- Speedy construction



Micro Concrete Roofing Tile

MCR is the roofing material in slope roof, made of cement and sand moulded in special geometric shape. Thickness is 10mm with rectangular size: 250mm x 500 mm or as designed. MCR are

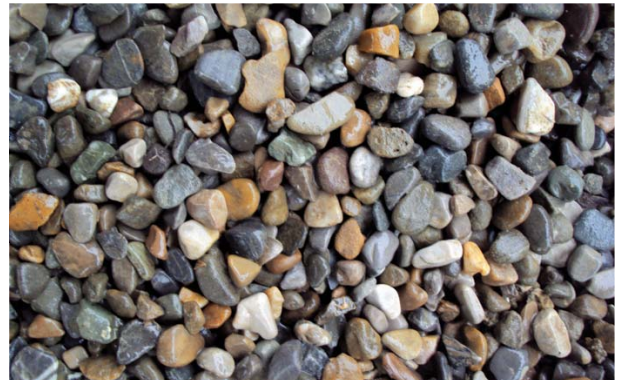
- Cost effective compared to CGI sheet roofing
- Roof understructures of steel, timber or bamboo can be used easily
- Easy to produce and apply
- Attractive finishes
- Lighter than R.C.C slab



Natural Round Aggregates

Natural Round Aggregate are naturally available stones in the river beds that can be used in making concrete.

- Higher strength & higher workability than crushed aggregate
- About 15% - 20% saving in cement than with crushed aggregate for the desired concrete strength
- Available in abundance



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