



# UTM-CRC INTERLOCKING HOLLOW BRICK CONSTRUCTION SYSTEM (IHBCS)

## INTRODUCTION

- Interlocking Brick Construction System take us to a new revolution in the making technology of soil bricks enhanced with high quality.
- Compressive strength - more than 12 ton. These conditions will produce strong and high quality of bricks.
- Interlocking bricks are the perfect staple for any building. They fit together beautifully, easy to maintain, and give the building a stunning touch.

## BENEFITS

### 1 LOW COST CONSTRUCTION

Eliminate many elements & construct at lower cost

- Reduce 60% cement/concrete
- Reduce 50% steel
- Eliminate formworks
- Eliminate plastering & painting
- Reduce workers
- Faster completion

### 2 GREENER CONSTRUCTION

Going green is expensive? Think again.

- Reduce cement/concrete
- Low electricity usage
- No brick burning
- No formworks
- Lower logistic cost

### 3 COOLER INTERIOR



## CONSTRUCTION METHOD



Sill brick, base for window  
Note-Arrow showing steel bar placement place OR



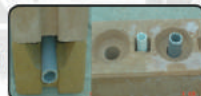
Note-Arrow showing steel bar placement  
pace at every 1m



Pouring mortar in the brick



Construction of column with RC bars



Horizontal and vertical pipe laying is to match with beam brick location

## MAIN FEATURES

- 01 STRONGER THAN NORMAL BRICKS**  
High Pressure Compaction
- 02 FASTER TO BUILD**  
Interlocking Tounge & Groove Features
- 03 EASIER To BUILD**  
It's as easy as A-B-C & so easy to learn



### INITIAL EMBODIED ENERGY PER M<sup>3</sup> OF WALL

Interlocking Bricks (IB)	= 631 MJ/m <sup>3</sup>
Klin Fired Bricks (KFB)	= 2356 MJ/m <sup>3</sup>
Country Fired Bricks (CFD)	= 6358 MJ/m <sup>3</sup>

### POLLUTION EMISSION (Kg of CO<sub>2</sub>) PER 3 M<sup>3</sup> OF WALL

Interlocking Bricks (IB)	= 56.79 Kg/m <sup>3</sup>
Klin Fired Bricks (KFB)	= 230.06 Kg/m <sup>3</sup>
Country Fired Bricks (CFD)	= 547.3 Kg/m <sup>3</sup>

### 4 ADDITIONAL BENEFITS

- Fireproof
- Sound Resistant
- Bulletproof
- Termite/Insect Proof
- Mold Resistant

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