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NEWSLETTER 5

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CRAZY IDEA !!!

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➔ TOWARDS LEAN CONSTRUCTION

1. Anything done off site
2. Manufacturing techniques
3. Standardized
4. Easy to assemble
5. Off the Shelf
6. Lighter elements
7. Aesthetic
8. After Sales Service
9. Cost effectiveness

WHY NOT ?

Manufacturing techniques in construction

Housing Sector

I Utility Areas

Standardize Modules I ,II, III,

1. **Kitchen – Tool Kit approach** - Prefabricated Modular Kitchen – Preassembled plumbing – Tiling

Assembly Time – 3 days

2. **Toilets – Tool Kit approach** - Preassembled Plumbing, Sanitary ware, Tiling

Assembly Time – 3 days

3. **Staircases with landing - Tool Kit approach** – Prefabricated (stainless steel/metal ...)

Assembly Time – 3 days

- II Pre-cast, Pre-stressed Concrete Planks – replacing Slab Concreting

- III Light Power Float – for slab concreting , leveling (+) or (-) 1 cm

- III Adhesive Agent – (very thin) for tiling directly to concrete replacing cement mortar

- IV Prefabricated internal wall panels - (laminates or equivalent to replace brick and plaster walls)

- V Prefabricated Wooden Wall Storage Units replacing brick and mortar walls

- VI False Ceiling – replacing ceiling plaster

And so on ...

Readers to contribute further CRAZY IDEAS, including for other sectors – Roads, Piping, Structural , etc...

INDUSTRY RESPONSE ?

Thoughts - “Lean Construction – Strong Pro-Active Supply Chain “