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NEWSLETTER 6

OCTOBER 15 – 31, 2009

Emboldened by the positive, enthusiastic responses to letter no.5

We proceed further

Lean construction should go global (not confined to individual sites)

**Lean in design** : Indian designers consider factor of safety 50% higher than in the western world.

IS codes for structural design are old vintage, out of date, conservative, driving up weight and cost without adding value to structure.

Time to question our higher factor of safety

Time to question IS codes.

Time to become more " Lean in Design "

Material Consumption –cement & steel

Cement-On consideration of Durability the minimum cement contents as per BS codes(8500) even for severe atmospheric considerations is less than our IS Codes (456) .....- Translating we use more cement

Steel -- India uses Fe 415 & Fe 500 with safety factor 1.15 whereas western world uses Fe 460 & Fe 500 with factor 1.05 to 1.15

Fe 460 usage is economical ..... Means we use more steel

Need to go lean

**Project Time** : In Rotterdam a 4 screen multiplex with 2 basements for parking took only 8 months in construction

Western world does not see construction of any office complex, any utility structures beyond 18 months

A fly over construction not beyond 9 months

A power house construction not beyond 2 years

Why not in India?

Particularly when our contractors are of age, equal to international players -perform creditably abroad

Lean becomes MUST

**Standardization** :Western world strong drive in standardization has cost of commodities lowered by 10 -75 percent by eliminating non value customization.

Need for development of voluntary standards

We have scores of products –design,doors,windows,kitchen & toilets with ancillaries,furniture,gates, manholes, electrical, plumbing, etc..etc..etc...

Indian supply chain players need to emulate

Immense benefit to customers --THAT IS LEAN

*(Lean is problem solving culture at every level)*