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## Educative Newsletter 5

### CONCEPT OF VALUE STREAM

In Lean Construction, Value Stream refers to the various processes required for entire project, from the concept to the handing over stage.

The analogy is a river which starts with a trickle at the mountains (concept) , various streams join the river, tributaries join the river and all of it empties itself into the sea (handing over).

Each of these individual stream is referred to as a **Value Stream** and **Mapping of the Value Stream** refers to the in depth look into the value stream for squeezing out waste and improve optimization.

### **Adopting Total Total Lean Construction means :**

1. Identifying every Value Stream (process)
2. Mapping (visit )every value stream, big or small
3. Remove MUDA
4. Collaboration key for removal of MUDA
5. Collaboration includes all players, big or small
6. Period of monitoring – small –may be a week or even a day
7. KAIZEN – the Rule

8. Optimizing total project, not individual process

9. FLOW FLOW FLOW (vital)

It would definitely be impossible to do above exercise for all the Value Streams which could numbers 1000 or more available in the short time available.

But the exercise should definitely be done for key processes and as many processes as possible.

The idea is there is generally a good amount of staff at the site and all should be engaged in some Lean exercises.

### **Elaborating Lean Construction**

Lean Construction is not rigid in its application to any one system.

Each one can choose his own with the principles as aforesaid.

Some of the commonly used –

1. Task Force
2. Value Stream Mapping
3. Target Costing
4. Integrated Project Delivery
5. Visual Management
6. A 3
7. 5 Whys?
8. And many more.

*Next Newsletter – Task Force Lean Construction Application in detail.*