

Dear Sir,

ILCE has great pleasure in inviting you for the Workshop "Lean Integrated Project Delivery through Building Information Modeling" " (BIM) " .

**BIM is the latest powerful tool for improving performance in the construction industry.**

ILCE's contribution, through this workshop, is only to bring this latest technology to your door step-understanding BIM, the various applications, and also to introduce you to the software providers and the consultants for your road map to implement BIM in your company.

Application of BIM & Lean Construction successfully would mean "Lean Integrated Project Delivery" - **Reaching out to a Perfect Product.**

BIM is practiced by 40% & above U.S.A contractors. And we cannot afford to be behind.

BIM is not just a 3D/4D model but moves on to the application areas of this technology to support Construction Project Management from the initial photo realistic rendering to improvement in Architectural design, Structure Design, Building System Design, Modular Design / Mass Customization.

Further BIM application is in fast tracking of construction & design, co-ordinate contractors, manage construction site constraints, manage schedule constraints, plan construction operation & methods, and maintain facility operation during construction.

Whatever role you are in the Construction Industry - Owner, Architect, Consultant, Contractor, MEP Consultant Contractor etc. -

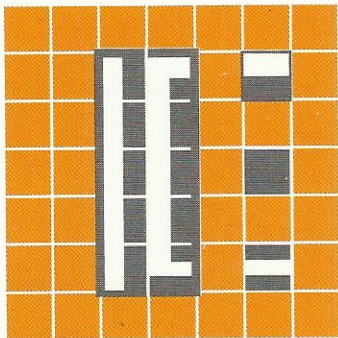
**BIM will be the future.**

Do hope you will make a date in this workshop with all to whom BIM will benefit.

As a forward player in the construction industry we do expect your participation along with your colleagues & friends.

With Regards,

P.Sampath.  
(Secretary General)



## INSTITUTE FOR LEAN CONSTRUCTION EXCELLENCE (ILCE)

Lean Integrated Project  
Delivery (LIPD)  
Through Building Information  
Modelling "(BIM)"

### CHARTER MEMBERS



**TATA** HOUSING DEVELOPMENT

**accenture**

*High performance. Delivered.*



**TATA** REALTY AND INFRASTRUCTURE

**HCC**

**ARCOP**



Shapoorji Pallonji & Co. Ltd.

**Godrej**



**LARSEN & TOUBRO LIMITED**  
Engineering Construction & Contracts Division

Founded in November 2008 as a non-profit company, ILCE's main objective is to introduce in India "Lean Construction" for the benefit of all stakeholders in the construction industry.

ILCE has great pleasure to present  
**"Lean Integrated Project Delivery through Building Information Modelling (BIM) "**

The Principal Speakers :

**Prof. Koshy Varghese**, IIT Chennai

**Prof. Ashwin Mahalingam**, IIT Chennai

Other prominent speakers from the industry.

**THE FUTURE IS LEAN INTEGRATED PROJECT DELIVERY**

Today's demanding projects require innovative delivery strategies to ensure efficient, cost effective and timely project completion.

**Integrated Project Delivery and Lean Construction**

Techniques are approaches which have been effectively used to improve project coordination and deliver complex projects successfully. Lean Integrated Project Delivery (LIPD) enables owners, designers, suppliers and contractors to collaborate early in the project process making it feasible to design, procure, build and operate as efficiently as possible.

**Building Information Modelling (BIM)**, a virtual three-dimension model of the project linked to project cost and time information is the most powerful Information Communication Technology (ICT) tool to enable LIPD implementation.

Over the next few years BIM will become essential for all the players in the construction industry for its inherent benefits in improving the project delivery. It is therefore essential that all players in the construction industry become aware of the benefits and challenges in implementing this technology.

This workshop is intended to create greater awareness on how the power of BIM can be unleashed to improve project delivery.

**The program will address these key issues:**

- »» What is BIM? How is it different from CAD?
- »» How can Integrated Project Delivery, Lean Thinking and BIM work together?
- »» How can BIM be used in Architecture & Design?
- »» How can BIM be used in Construction Planning and Execution?
- »» How can BIM be used in Facilities Management?
- »» How is a BIM Execution Plan Developed?
- »» How much does it cost to implement BIM?
- »» Case-studies on BIM implementation



### Who should attend?

- » Owners of facilities like Buildings, Hotels, Hospitals, and Airports.
- » Developers of Real Estate / Infrastructure Projects.
- » Architects/ Engineers / Consultants.
- » General Contractors.
- » MEP Consultants / Contractors.
- » Planning Engineers / Project Managers/ Middle & Senior Management Professionals.

### Workshop Dates / Venue / Program

**Delhi** : 19th February 2011.  
India International Centre  
Conference Hall (Annex)  
40, Maxmuller Marg  
Near National Productivity  
Council Building  
New Delhi 110 003

**Mumbai** : 26th February 2011.  
VJTI Hall, DP 2, Opp  
National Chemical institute  
Matunga 400 018

#### Day 01

Session Duration

- |    |               |                                  |
|----|---------------|----------------------------------|
| 01 | 09.00 - 09.30 | Registration and Coffee          |
| 02 | 09.30 - 10.00 | Introduction and Context Setting |
| 03 | 10.00 - 10.45 | What is BIM                      |

Tea Break 10.45 - 10.45

- |    |               |   |
|----|---------------|---|
| 04 | 11.00 - 12.00 | DPR Construction USA, Case Study & Discussion |
| 05 | 12.00 - 13.00 | Crafting your BIM Strategy                    |

Lunch Break 13.00 - 14.00

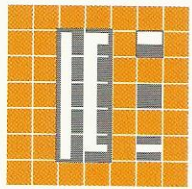
- |    |               |                                 |
|----|---------------|---------------------------------|
| 06 | 14.00 - 14.30 | Developing a BIM Execution Plan |
| 07 | 14.30 - 15.45 | BIM experiences in India        |

Tea Break 15.45 - 16.00

- |    |               |                            |
|----|---------------|----------------------------|
| 08 | 16.00 - 17.00 | Demo of BIM Products       |
| 08 | 17.00 - 17.30 | Panel-Discussion & Wrap-up |

End of Event





**Nomination Form**

New Delhi       Mumbai

We nominate the following personnel to attend  
the seminar :

01 Name .....  
Designation .....  
Email .....

02 Name .....  
Designation .....  
Email .....

03 Name .....  
Designation .....  
Email .....

04 Name .....  
Designation .....  
Email .....

Our Demand Draft for Rs. ....dated .....

Bearing the number .....

drawn in favour of **"Institute for Lean Construction Excellence"**  
is enclosed.

**Contact details:** .....

Organization .....

Address .....

Contact Person .....

Designation .....

Tel no .....

Fax .....

Email .....

## Terms of Participation

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### Participation Fees :

Chartered Members / Corporate Members / Members.  
Rs. 3000/- Per Participant + 10.3% Service tax.

Others :

Rs. 4000/- Per Participant + 10.3% service tax.

Students :

Rs.1000/- Per Student + 10.3% Service tax.

### Payment Details:

Payment should be DD in favor of "INSTITUTE FOR LEAN CONSTRUCTION EXCELLENCE".

On line / Mail transfer to

INSTITUTE FOR LEAN CONSTRUCTION

EXCELLENCE" Account No. 00602560008689.

RTGS/NEFT IFSC: HDFC0000240.

Participation fee is non-refundable but change of Nomination is acceptable.

### Terms and Conditions:

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1. Fees are inclusive of program materials and refreshments.
2. Copyright etc: All intellectual property rights in all materials Produced or distributed by ILCE in connection with this event is expressly reserved and any unauthorized duplication, Publication or distribution is prohibited.

### Registration, Nomination & Enquiries:

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C/o Debashis Guha

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