Energy Assesment of Residential Buildings IT Toolkit :EnEff ResBuild India

National Conference on Green Design

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Background study

"PROMOTIONAL PROGRAMME FOR ENERGY EFFICIENT NEW RESIDENTIAL HOUSING IN INDIA"

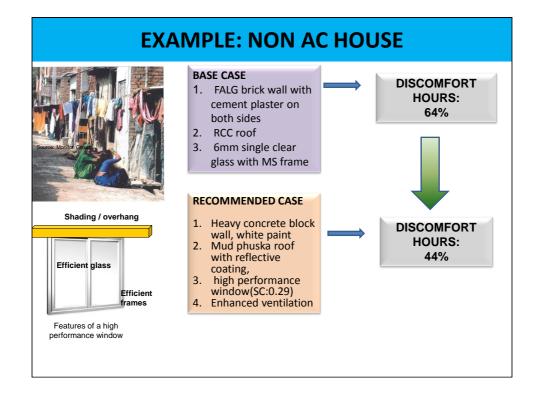


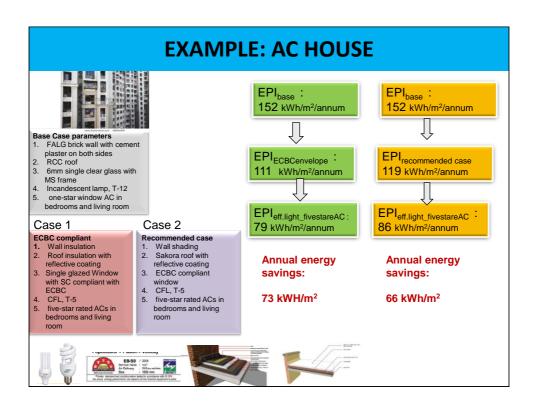




About the Promotional Programme

- Study conducted in 2009-2010
- Objective: Designing for implementation of promotional programme for EE new housing
- Recommendations on strategies to improvise comfort conditions and/or energy efficiency in the identified housing units (AC/non AC) along with incremental costs





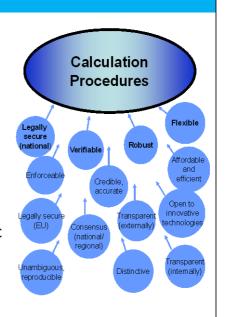


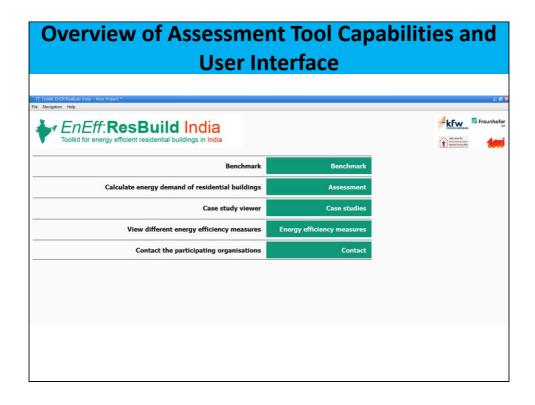
Need for an Assessment tool

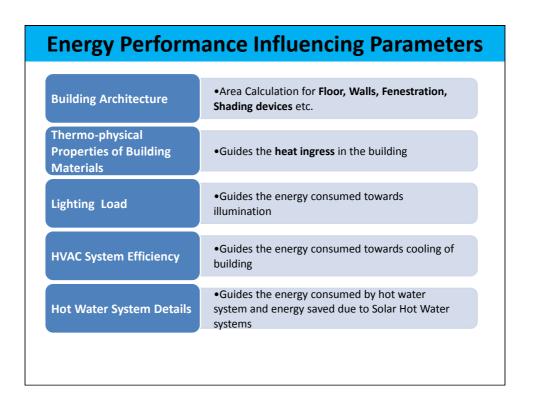
- Quantification of energy saving potential in residential buildings as a tool to incentivise EE housing
- Alternative to complex simulation tools
- Tool to calculate EPI
- Establish a conventional base building energy consumption and compare energy consumption of an energy efficient case vis a vis the base case
- Evaluate impact of each ECM in a residential building

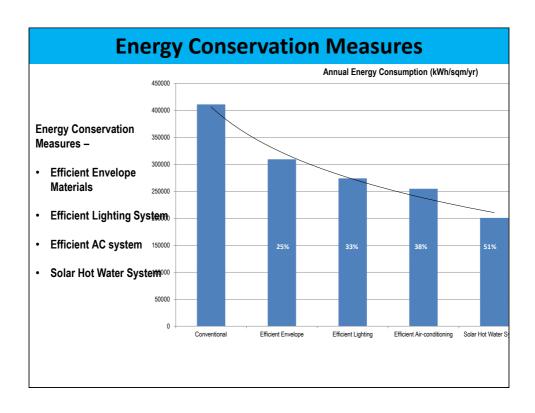
Expected Features of Assessment tool

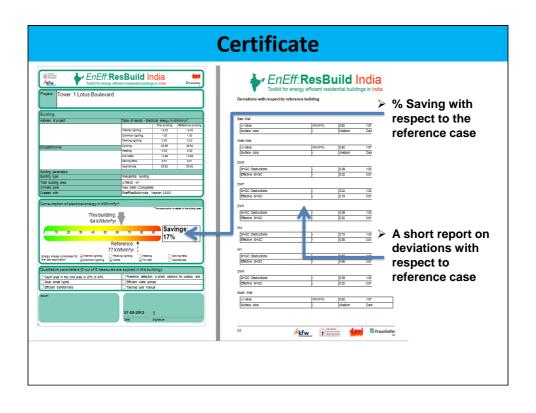
- Easy to use with minimum user dependent variables
- Flexibility of choosing a prototype
- Advanced users of the tool shall be able to provide customized buildings specific inputs if template/prototype building information is not used

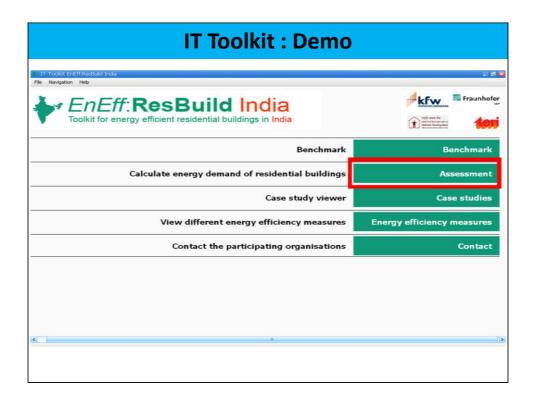


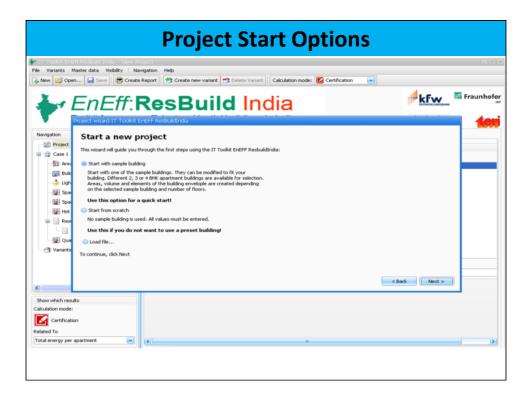


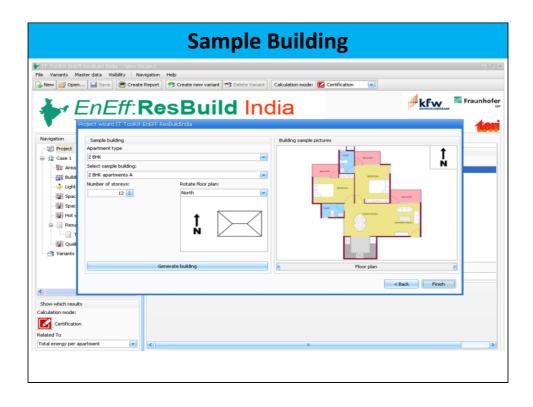


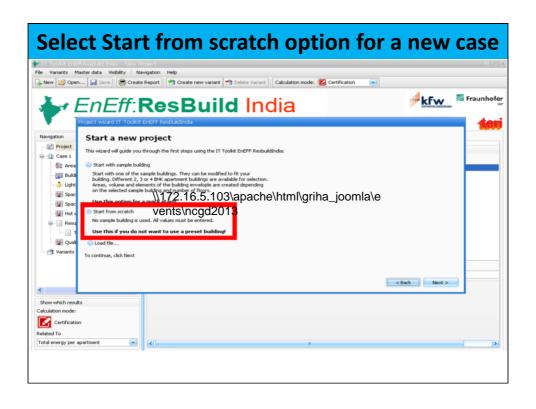


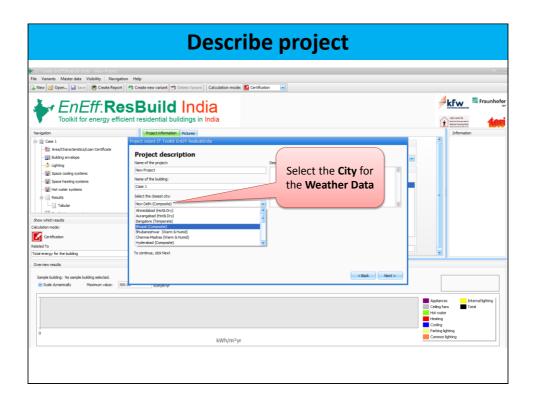


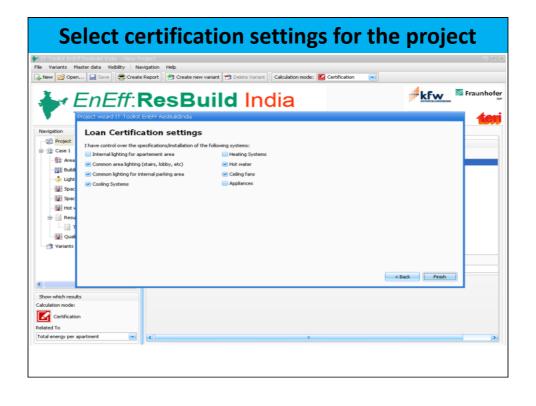


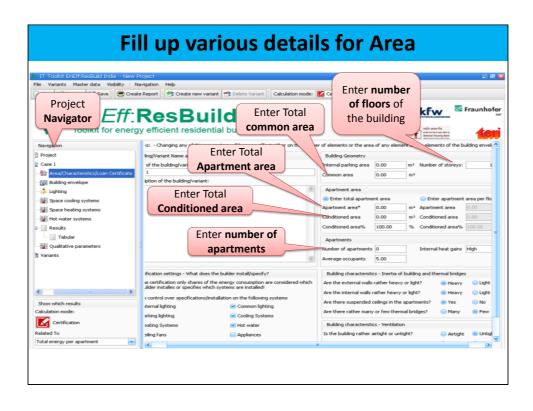


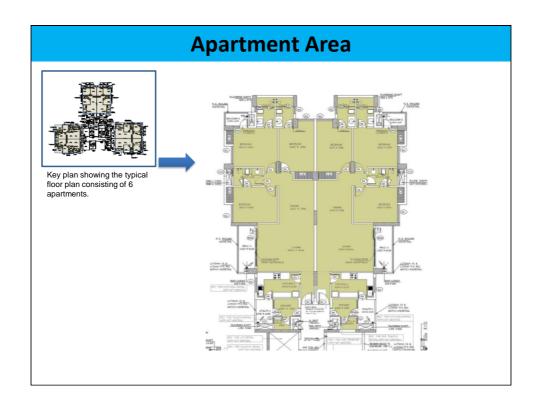


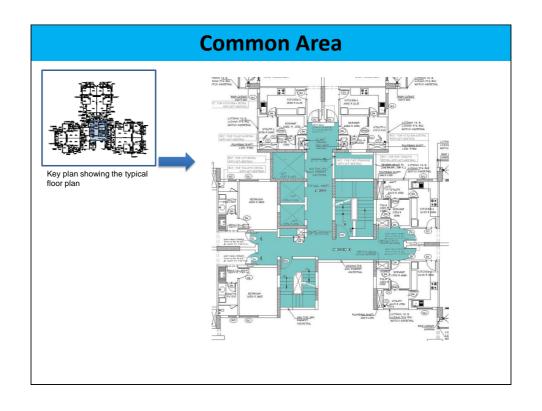


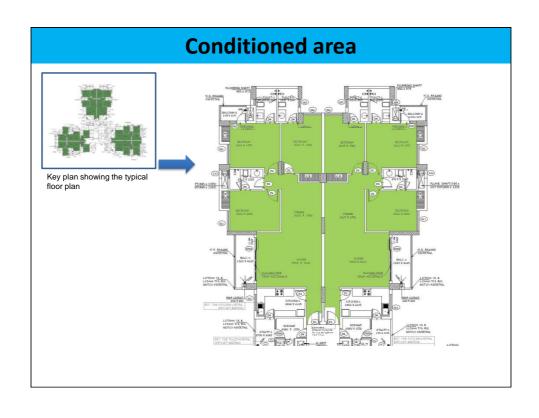


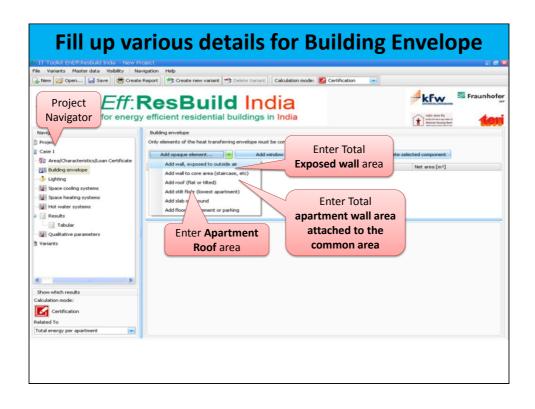


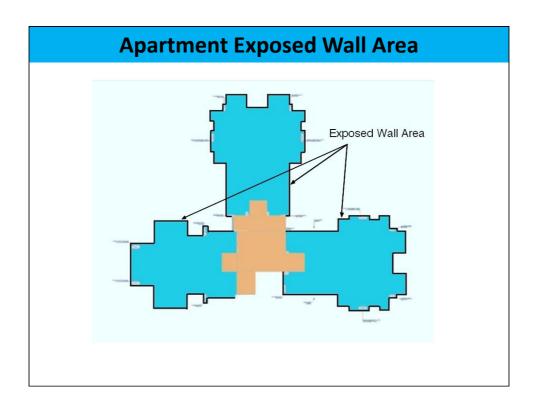


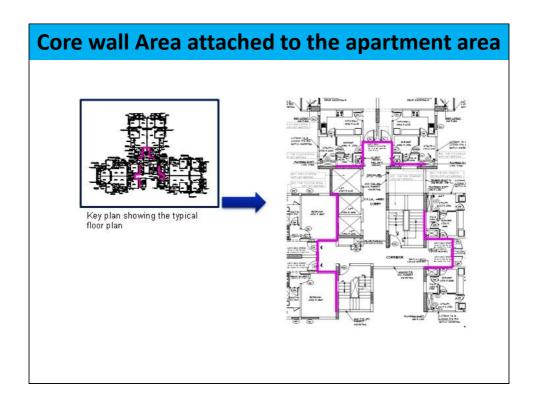


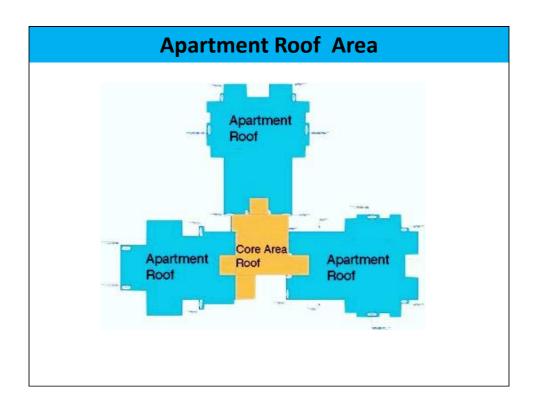


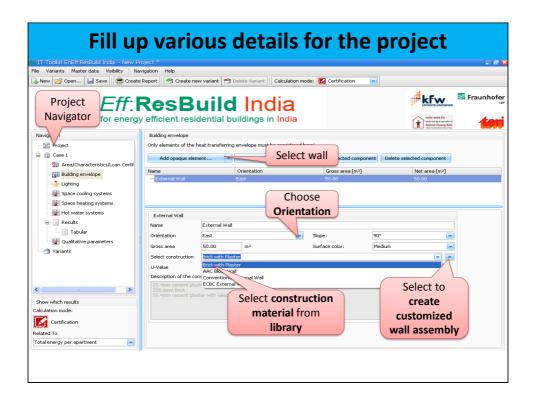


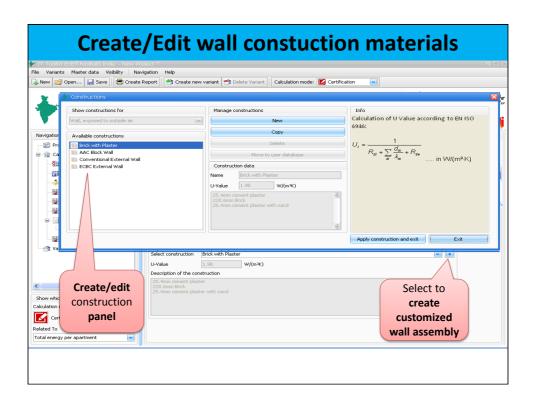


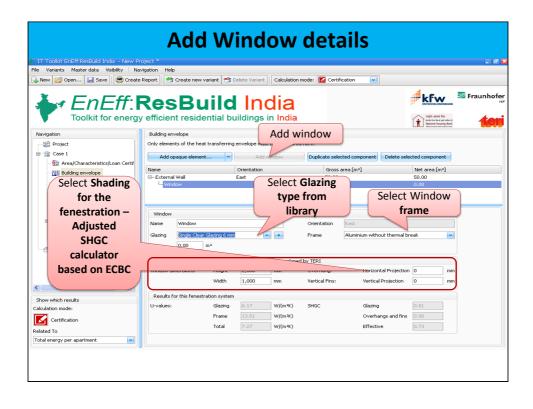


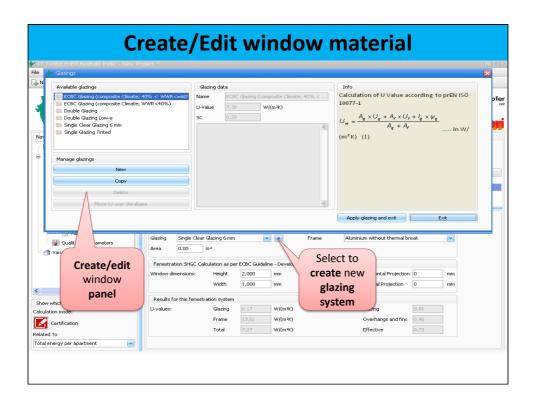


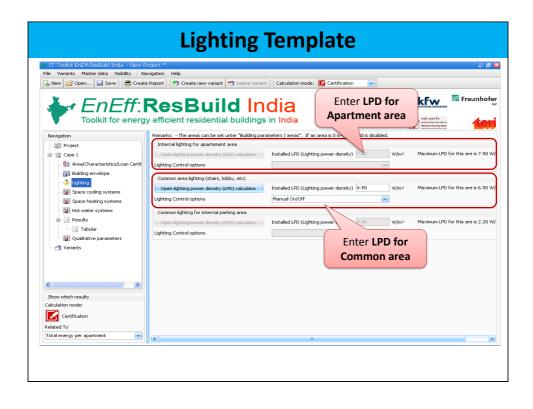


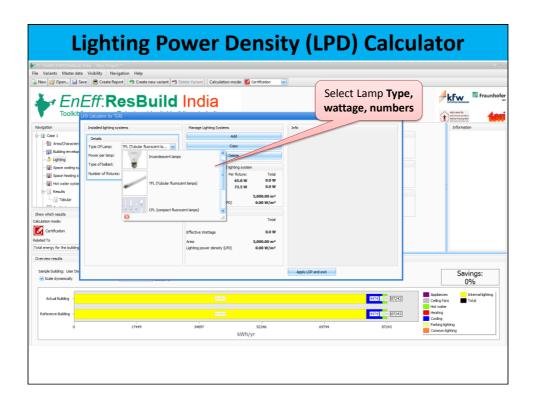


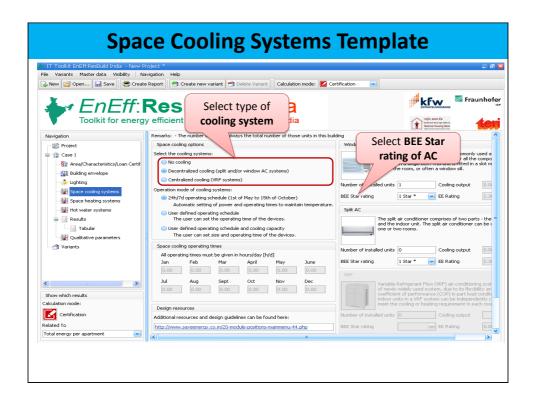


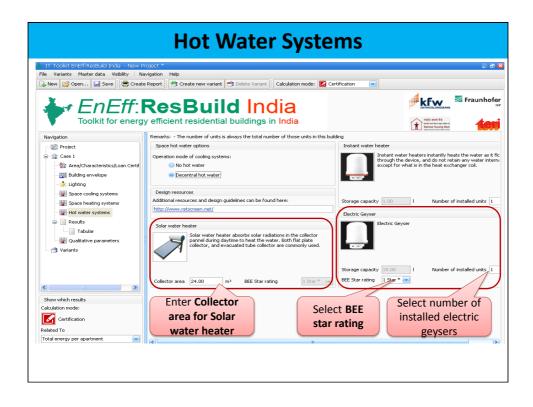


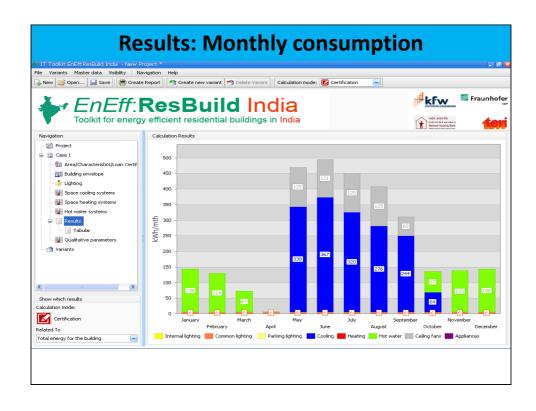


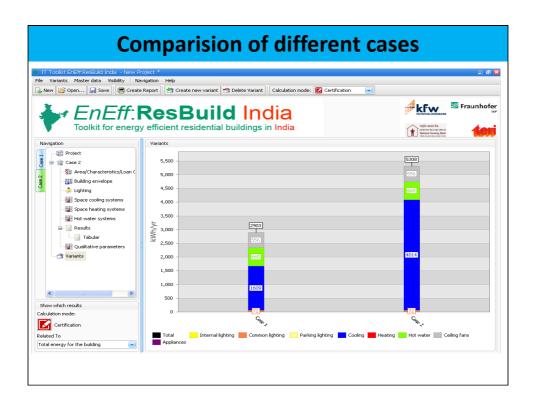


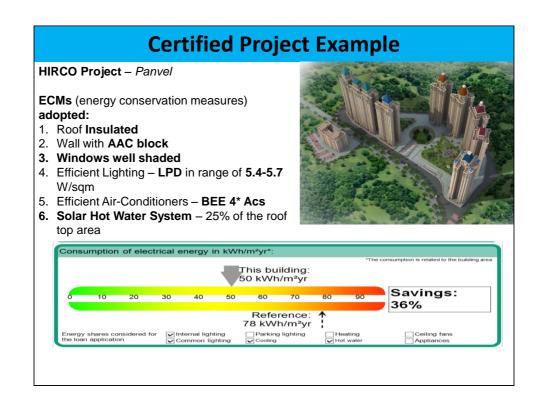


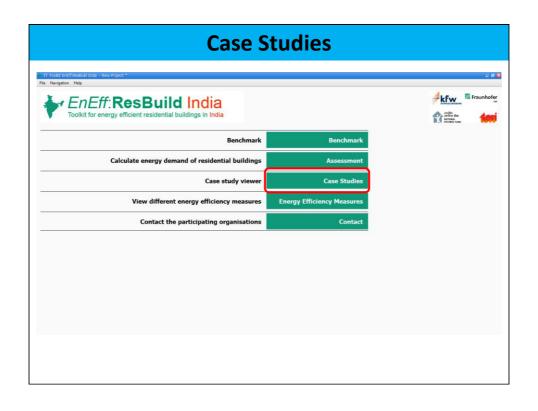


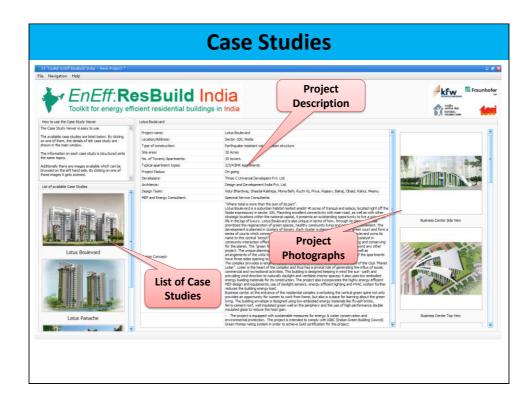


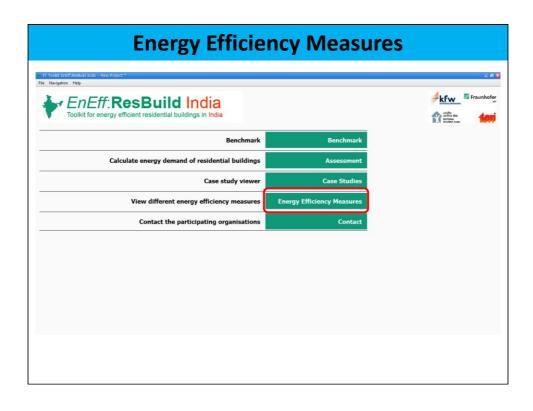


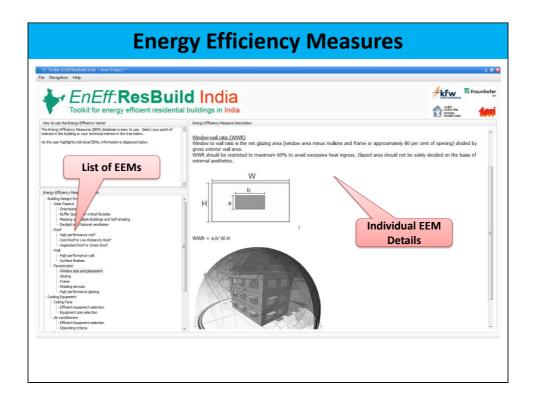












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