

PUSHING THE “ENVELOPE”

Thermal Comfort in a naturally ventilated building in Hot-Humid climate in India

Session 01 – Building India with GRIHA

The GRIHA Summit

12-13th March 2015

India Habitat Centre

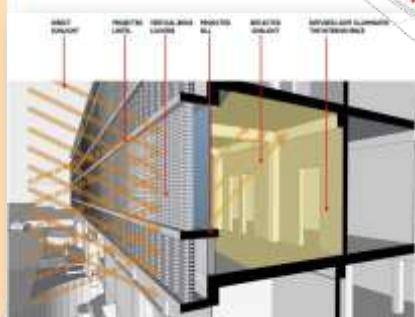
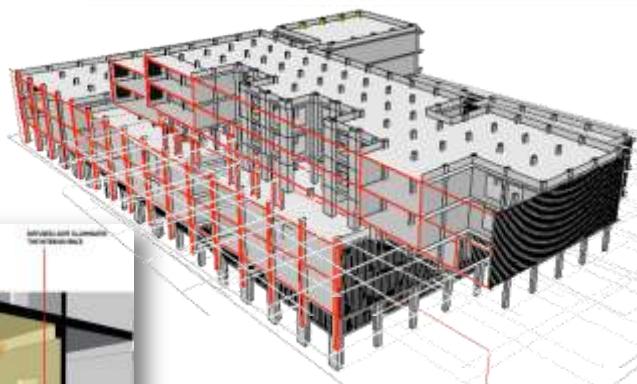
Lodhi Road

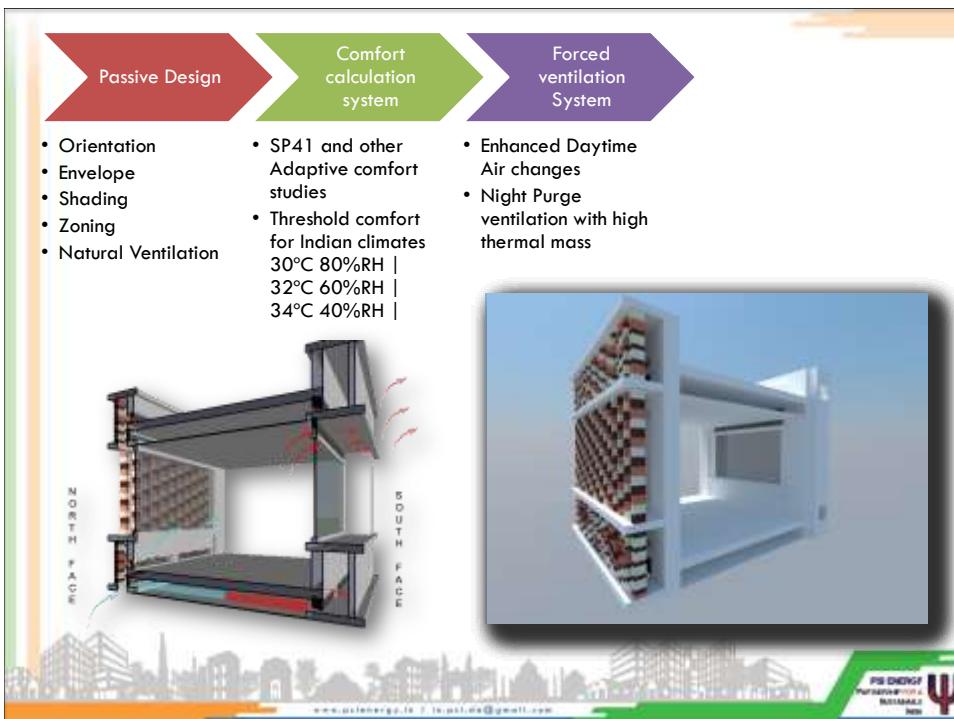
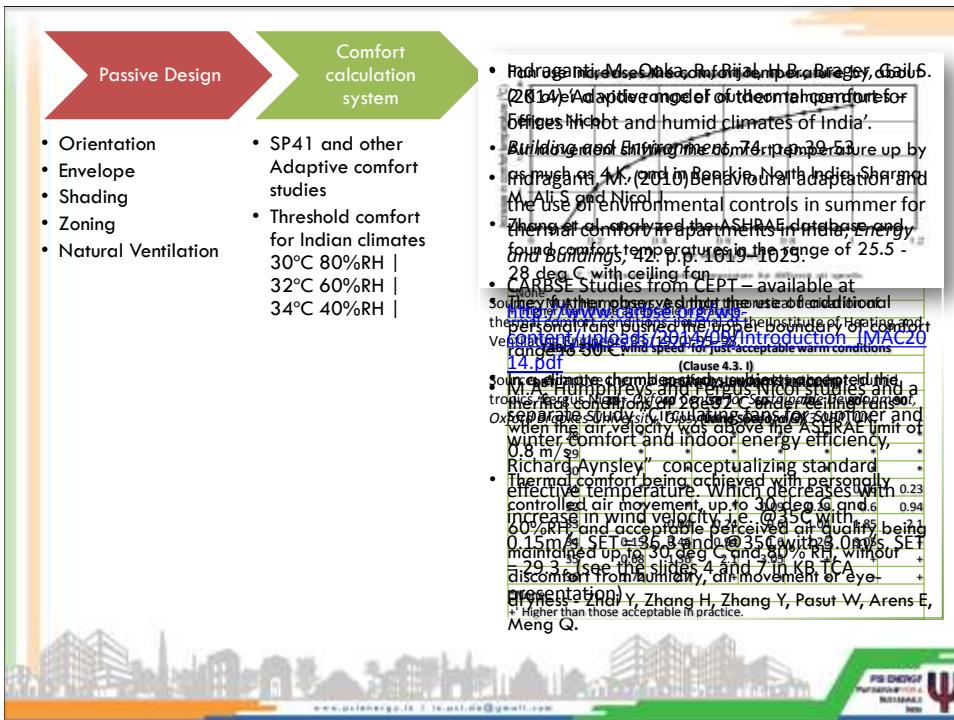
New Delhi

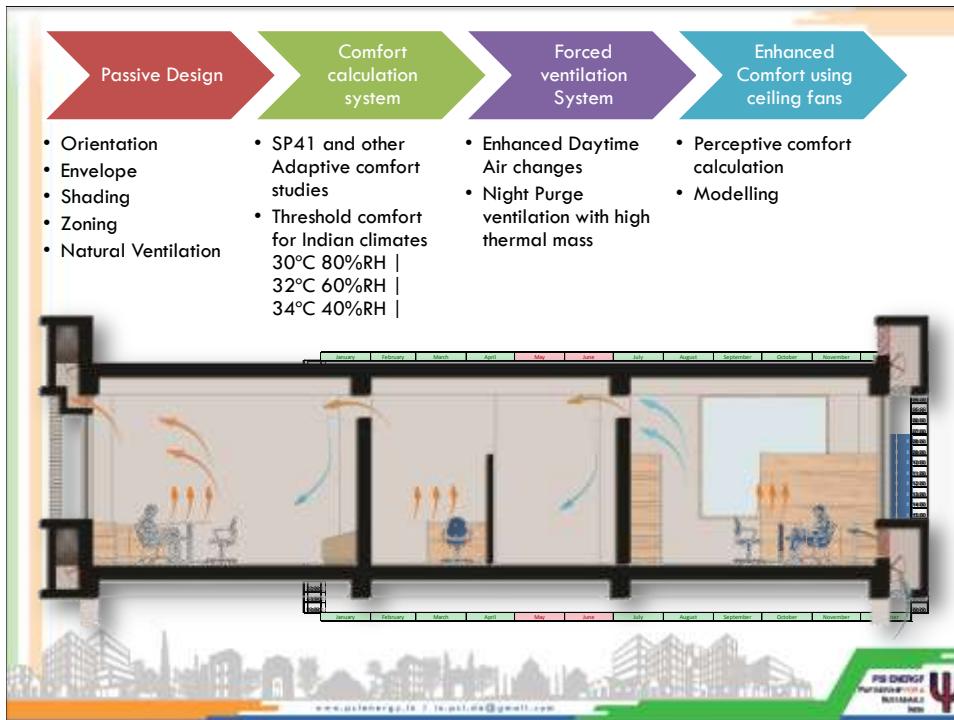


Passive Design

- Orientation
- Envelope
- Shading
- Zoning
- Natural Ventilation







The Team

Architects

- Lotus Design www.lotuslink.in
 - Ambish Arora
 - Sid Talwar
 - Ankita Shukla

Landscape Architects

- Royston, Hanamoto, Alley & Abey (RHA) New Delhi
 - Aditya Advani
 - Riyaz Mohammad

Structural Consultants

- NNC Consultants
 - Maqsoode Nazar

MEP Consultants

- Sterling Indic Consulting Engineers
 - Mr. G.C. Modgil
 - Khushboo Modgil

GRIHA Consultants

- PSI Energy
 - Nishesh Jain
 - Ranapratap Poddar
 - Gaurav Shorey

OFFICE OF THE DIRECTOR OF [REDACTED], BHUBANESWAR.
Letter No.2M/12/556/2011 Date: 31/01/2014
To: [REDACTED]
Mr Lotus Design Services
F-334, Laxmi Sarovar
First Floor, Ch Phag Singh House
New Delhi-110036
Re: Reviewing the Plan of [REDACTED]
Sir,
A meeting was held on 20th Dec, 2013 in the 2nd Floor Conference Hall, Odisha Secretariat, Bhubaneswar under the Chairmanship of [REDACTED] Odisha for finalisation of building plan of [REDACTED]. As per the decisions taken in the meeting, the concept, design and layout was approved subject to following suggestions for incorporation in the final building plan of [REDACTED].
1. Full permeability F.A.R.(1.75) should be utilised against the proposed F.A.R.(1.70). The existing design has a provision for approx 1,013 sq ft of built up area which has to be enhanced to 1,322 sq ft (minimum).
2. An additional floor is to be provided in the planning and design of the building.
3. The Architect in co-ordination with ICDG will look into maintenance aspect of the proposed design.
4. The Architect will work closely with ICDG to see that the roofs strip, made the building is maintained at 25 degrees Celsius. They will resolve the issue and further exhibit examples of the proposed system in the buildings elsewhere.
You are therefore requested to look into the above concerns related and suitably modify the plan before its final submission to this end.
Yours faithfully,
[REDACTED]
Director of [REDACTED], Odisha



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THANK YOU FOR YOUR LISTENING

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PS ENERGY
Partnership for
Sustainable
Energy