



# Workshop on Energy Efficient Building and Cost Effective Solutions

## Workshop Key Speakers:

**Mr. N. K. Ojha**

*University Engineer*

*(Maharaja Sayajirao University, Baroda)*

**Dr. G.D. Sharma**

*Directors (Jaipur Engineering College)*

**Mr. Charanjeet Singh Shah**

*Director (Creative Group)*

**Date: 06<sup>th</sup> September, 2014**

**Time: 10:00AM to 5:00PM**

## Organized By:

*IVS Noble Solutions*

New Delhi

[www.ivsnoblesolutions.in](http://www.ivsnoblesolutions.in)

[register@ivsnoblesolutions.in](mailto:register@ivsnoblesolutions.in)

## Venue:

**Bharti Building**

Indian Institute of Technology

Delhi

## About the workshop

*The Energy Efficient Building concept is no more a concept of a future, but it is a realistic solution for the reduction of energy use in the building sector. Energy Efficient building can be defined and named in many ways based on its Architectural feature, solar passive design, Ways of operating and Construction material used. A Green building need not necessarily be an energy efficient building but energy efficient building can be a Green building.*

*The residential sector is a large consumer of electrical energy. About more than 60% energy consumed in buildings is towards Air-conditioning. Air-conditioning in Industries & Commercial complexes are also the major source of energy consumption. An intelligent effort and approach in designing Residential, Industrial & Commercial buildings can result in savings of energy to the tune of more than 40%, required for Air-conditioning.*

*As of today, still 70-80% energy required is generated from fossil fuels, which is a slowly depleting resource and other sources such as Nuclear Power may lead to catastrophic accident as happened in Japan & Chernovyl*



*and also has waste transportation & disposal issue. Hydroelectric, disrupts natural water flow and disturbance of habitat and ecology of area.*

*Hence Energy efficient buildings or Renewable or Green energy or the Zero-energy approach is the only potential solution to neutralize environmental issues, including reducing carbon emissions, dependence on oil power, fuel imports, use of fossil fuel and provide a measure of energy security against nearing fuel crisis.*

*It also overcomes ever increasing cost of fossil fuels and its shortage too.*

*So what will be the cost effective steps towards reduction in a building's energy consumption which will be significantly away from*

*conventional construction practice.*

*In this workshop we will discuss the principles that work with the onsite assets such Site selection, Orientation of Building, Solar Passive Techniques in Building Design, Envelope measures, Natural ways of Cooling, Equipment & System, Lighting and High Performance Buildings to achieve cost effective solutions.*

*This workshop will discuss about Green and sustainable architecture, importance of planning, design and orientation of creating green mega projects such as airport, academic building etc.*

*Speakers will highlight the importance of amalgamating of vernacular passive strategies with modern-day green technologies and finally juxtaposing them with active green measures.*

## Who may attend this workshop

- *Practicing Engineers- government and private-in Civil, Structural, Bridge & Dam Engineers.*
- *Faculty members of Engineering Colleges.*
- *Scientists from government/ private R&D organizations.*
- *Government Officers (Ministries).*
- *Research Scholars and M. Tech students.*
- *Civil Builders/Contractors.*
- *Key Personnel from Test Centers.*
- *Motivated undergraduate students, who aspire to do research.*

## Key Speakers

### Mr. N. K. Ojha



- BE (Civil), M.I.E., Chartered Engineer, Civil Auditor, Valuer, Senior Level Managerial Positions in Civil/Construction Project Planning, Management & Execution, Green Buildings and LEED Facilitator, Liaisoning, Land Acquisition, Site and Office Administration, Relationship Management, Resource Planning with leading/growth oriented

**Specialized Area:** Green Building & Environment, Project Planning, Contract management

University Engineer

Maharaja Sayajirao University, Baroda

### Professional Qualification

- Consultant to Gujarat State Rural Roads Development Agency to Monitor Road works under “Pradhan Mantri Gram Sadak Yojna”
- Member Indian Green Building Council -----IGBC- CS – 2479
- Member Building Committee, Bhavnagar University Bhavnagar
- Member Building Committee, Dr. Babasaheb Ambedkar Open University, Ahmedabad
- Co-ordinator, Building Committee, The M.S.University of Baroda



### Dr. G. D. Sharma



Director (Academic and Research)

Jaipur Engineering College, Jaipur

### Educational Qualification:

Ph.D. (IIT Delhi)

**Specialized Area:** Organic photovoltaic devices and dye sensitized solar cells.

### Mr. Charanjeet Singh Shah



Director

Creative Group

### Professional Qualification

- Architect, educationist & academician, he has spearheaded some landmark sustainable projects in India including the most recently inaugurated Swami Vivekananda Airport at Raipur and Kamraj Airport Terminal at Chennai.
- With an inclination towards teaching, he joined SPA, New Delhi in 1996 as a faculty & thereafter became the Director at Vastu Kala Academy, New Delhi.
- His passion for architectural education made him an honorary recipient of Professor Design Chair from the Jamia Milia Islamia University in New Delhi.
- He authored several books for students with emphasis on broad explanation of building services & management, structure, professional practice, etc.

- The "**Architects' Handbook - A Ready Reckoner**" authored by Prof. Shah is a de-facto standard text used across colleges.

**Specialized Area:** Green and Sustainable architecture.

## Workshop Fee(Rs.)

S.No.	Delegates	Delegate (Each)	4 or more Delegates (Each)
1	Corporate	4,500	4,250
2	Academic (Faculties only)	2,750	2,500
3	Student	1,750	1,500

- Registration is for limited number of delegates.
- The registration will be on first-come, first-serve basis.
- It is a non-residential program. Participants are expected to make their own arrangement for stay.

## Registration procedure & payment

1. First send your registration details to following mentioned email ids duly mention the mode of payment offline or online.

2. If your payment mode is offline, then send the hard copy of registration form along with DD/Cheque in favour of "IVS Noble Solutions" payable at New Delhi to our corresponding address, after receiving the confirmation from our side.

3. If your payment mode is online, then first pay the registration fee by online NEFT/RTGS bank transaction after that send the scan copy of completely filled registration form to the mentioned email ids.

*Details for Online payment*

*A/c: IVS Noble Solutions*

*A/c No: 60137078486*

*A/c Type: Current Account*

*Bank: Bank of Maharashtra*

*Branch: Nangloi, New Delhi*

*IFSC Code: MAHB0001744*

*PAN No: AAEFI3069D*

4. Once we receive the hard copy (by offline mode) or scan copy (by online mode) we will send a confirmation mail to you.

5. You will get hard copy of receipt on the day of workshop.

**Note: Student has to show valid document such as bonafide certificate or any other authorized letter issued from your college or institute then only he/she will be consider in student category.**

## Registration Form

Name: \_\_\_\_\_

Designation: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Email: \_\_\_\_\_

Mobile No: \_\_\_\_\_

### Payment Details

Draft/Cheque No: \_\_\_\_\_

Bank Name: \_\_\_\_\_

Amount: \_\_\_\_\_

Date: \_\_\_\_\_

### For Online Payment Only

Bank Name: \_\_\_\_\_

Branch: \_\_\_\_\_

Amount: \_\_\_\_\_

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Please fill the above form and send it on below address through speed post or courier only:

Mr. Vikash Kumar Singh  
IVS Noble Solutions  
C-32, Swarn Park, Mundka,  
Landmark: Near DSS School  
New Delhi-110041

Phone No: +91-8130222075, +91-7838874838

Email: register@ivsnoblesolutions.in,  
vksingh@ivsnoblesolutions.in,  
vksingh.ivs@gmail.com

### Workshop Resource Persons:

**Mr. N. K. Ojha**

University Engineer (Maharaja Sayajirao University, Baroda)

**Dr. G.D. Sharma**

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**Mr. Charanjeet Singh Shah**

Director (Creative Group)

For Any Query Please Contact to Organizer:

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