

❖ Study material & presentation was useful and appropriate. All the questions are well answered. The faculty is having vast experience and in depth knowledge in construction field.

Reactions on Tenth Work-Shop held on 24-04-2010

1. Mr. Kirit A. Doshi : 9702230404

Construction Chemical Manufacturer

❖ D<sup>3</sup> - Delicious - Digestive - Durable.

2. Mr Raghavendra V. Kulkarni

Architectural and Liaison Consultant

❖ Such a power point presentation should be conducted regularly at every locality, colonies etc., for making societies vigilant and alert in every aspect of the building.

Reactions on Eleventh Work-Shop held on 09-10-2010

1. Mr. Kiran Anant Joshi : 9881199529

IPR Consultants, Patent, Trademarks

❖ Very very informative, enlightening with new concepts and simple - but very important tips for Leak Proof, Durable R.C.C. construction. Lecture rich in knowledge and near perfect presentation super-seeds all limitation & infrastructure available.

Reactions on Twelfth Work-Shop held on 16-4-2011.

1. Mr. A. B. Damle, University Engineer Dr. Punjabrao Deshmukh Krushi Vidyapith : Akola : 09702848804

❖ Good Informative Training

Reactions on Thieteenth Work-Shop held on 09-10-2010

1. Mr V. S. More vsmore@mazagondock.gov.in

Dy. Manager, Technical (Civil) Mazgaon Dock Mumbai.

❖ This work-Shop shall open eyes of practicing engineers and shall help in to over come major issues of breakage, repairs, rehabilitation and restoration of buildings.

❖ It is an excellent Work-Shop and should be taken through corners of the country and all major cities, engineering colleges etc.

**Lodging :**

Participants have to make their own arrangements for lodging. However, limited accommodation for outstation participants may be arranged in institution's guest rooms on payment, as per institution rate.

**Sponsors :**

Valued sponsors are welcome to support this work-shop as detailed below. The sponsors will have privilege of complimentary delegates, display their products, place banners and distribute gift articles to the participants.

Sponsors : Rs. 15,000/-

Co-sponsors : Rs 10,000/-

Table Space : Rs. 5,000/-

**Who should Attend :**

**Owners / Users**, Civil Engineers, Architects, Builders, Contractors, Supervisor / **Society Office Bearers** from Top Management Executives to grass root level staff.

**Apply** on plain paper / letter head with necessary details

**Registration Charges :**

Rs. 1000/- for Housing Society Office Bearers / for members of Engineering and Architectural Institutes

Rs. 1200/- for non members

Rs. 700/- for Students

**A discount of Rs. 100/- will be given to all those who register on or before 08-04-2012. The fee is payable in advance by cash / crossed cheque / draft in favour of 'The Institution of Engineers (India), Maharashtra State Centre'.**

**Guest Speakers :**

1. Nirmal K. Bhattacharyya :

Expert in design with structural Rehabilitation of high rise structures, maintenance of large housing schemes.  
25411771

2. Ganesh N. Kamat : 9820867755

Expert Affordable Construction

3. Manish Shah : 9833838601

Expert Repair to Industrial Buildings.

4. Professor S. M. Patil : 9869580472

Expert : Plumbing, Repairs

**Brief Bio Data of principal course conductor :**

Jayakumar Jivraj Shah

Expert : Durability, Repair, Waterproofing

● Awarded Gibbs Prize in 1952 - for ranking First in Physics in Inter Science from then Bombay University - from Ruia College.

● Bachelor of Engineering in Civil Engineering in 1957 from then Bombay University - from then Victoria Jubilee Technical Institute.

● 33 years with Hindustan Construction mainly on projects as Project Manager in both India & Abroad.

● Later two years United Nations Specialist to Government of Jamaica.

● Author of following two books on Repair & Durability  
A Handy Guide for Repairs, Rehabilitation and Waterproofing to RCC Buildings (Structures) : Ninth Edition

A Handy Guide for Constructing RCC Buildings (Structures) Durable and Eco - Friendly for owners, users, Architects, Civil Engineers and Contractors,

● Co-opted member in the committee Instituted by Maharashtra Government to investigate sub-standard buildings built by CIDCO (2004)

● Dialogue with Shri Raju Parulekar on e-TV marathi in programme 'Samvad' on 27 & 28th of June 2006 on the subject 'Leakage & Cracks'

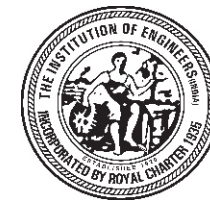
● Biography included in various directories of '**Marquels Who's Who USA**'

● Since 2000 conducted innumerable training programmes in three subjects of his expertise and are continuing.

● Converts his house wet Garbage into Vermi - compost and guides individuals & societies.

**Registration Charges are Inclusive of Study Material. For more details please contact Shri S. P. Satyanarayana, Officer on special duty / Mr. Manoj Murthy, Administrative officer / any staff on centre's office numbers 2354 36 50 / 2354 2943**

OR *Jayakumar Jivraj Shah* : 9819242649



**The Institution of Engineers (India)**  
**Maharashtra State Centre**

**Fourteenth One FULLDAY Workshop**  
**on**

- **Structural Audit and Jirnodhar - Upgrading (House - Keeping, Regular Maintenance, Repairs, Rehabilitation)**  
**of Existing RCC Buildings**
- **Fixing Leakage and Water-proofing of Existing RCC Buildings**
- **A total New Concept to Construct RCC Buildings (Structures) Durable Without Leakage with practical of acrylic polymer-based flexible membrane water-proofing system.**

**on Saturday 14-04-2012**  
**From 9am to 10 am - Registration**  
**10 am to 5.30 pm Work - Shop**

**Principal Course Conductor**

*Jayakumar Jivraj Shah*

203, Wing - B, Lakshmi Apartments,  
Corporation Bank Building, Behind Anand Nagar, Dahisar (East),  
Mumbai 400 068. - 2848 35 41 / 9819242649  
jjshah123123@rediffmail.com

**Venue**

The Institution of Engineers (India)  
15, Haji Ali Park, K. Khadye Marg,  
Mahalaxmi, Mumbai - 400 034.  
23543650 / 23542943 Fax : 23542942  
Email : ieimsc@gmail.com

## The Institution of Engineers (India)

The Institution of Engineers (India), is a unique professional body encompassing 15 engineering disciplines and representing the interests of engineers on the global platform. Established in 1920 with its headquarters in Kolkata, IE(I) was incorporated by Royal Charter in 1935. It is the only professional body in India to have been bestowed with this honour.

IE(I) functions amongst professional engineers, academicians and research workers and provides a vast array of technical, professional and supporting services to government, industry, academic as well as to the engineering fraternity. It does so through over 100 Centres spread across the country and overseas. Currently, IE (I) has over 5 lakh members.

Since 1928, IE (I) offers a non-formal engineering education programme, successful completion of which is officially recognised as being equivalent to a degree in engineering and also post-graduate diploma leading to a Master's degree. Over 60,000 candidates appear in these examinations conducted biannually at a large number of examination centres all over the country and abroad.

### Maharashtra State Centre :

The Maharashtra State Centre of the Institution was founded in 1921. It covers whole of Maharashtra & Goa State. It is the largest centre of the Institution having around 27,000 members and 9 Local centres.

The centre has been very active in promoting and diffusing the knowledge, information and technology for engineering application through programmes like Lectures, Seminars, Symposia, Conferences, Workshops, Training Courses, Technical Journal and Paper Meetings, Site Visits, Film shows, Presentations, Competitions and Exhibitions etc.

### Library:

The Maharashtra State Centre of the Institution boasts to have updated library with latest collection of books, literature on various engineering aspects.

#### ❖ *House-keeping, Regular Maintenance, Repairs, Rehabilitation and Water Proofing.*

A RCC building deteriorates (falls sick) mainly due to leakage - seepage and dampness. These set in structural distress (corrosion of reinforcement bars) in RCC frame members e.g. columns, beams, slabs, which are actually the back - bone of the building. Thus rehabilitation - restoration - upgrading of a building amounts to attending scientifically to above problems with latest scientific methodologies and specifications Mr. Shah has perfected methodologies and specifications in detail for all problems

in a RCC building. He will acquaint the participants with these with Do's and Don'ts. It is absolutely necessary to understand the methodologies and specifications to attend to various problems rather than taking guarantees and making contractors solely responsible. It is reported that guarantees have not been of much use. Mr. Shah unfolds the subject with photographs, sketches and develops confidence to plan the restoration work with latest scientific techniques. House -Keeping, Regular Maintenance and Renovations are other very important aspects, in buildings which need proper attention by users' / society members. Mr. Shah acquaints the participants in detail on these aspects.

#### ❖ *Durability*

We hardly find a Building / Bungalow / Tower without leakage, seepage and dampness. Is it difficult to build buildings free of leakage, seepage & dampness? Not at all. Mr. Shah gives all the tips to construct a building without leakage, seepage and dampness. Durability is the need of the hour. We must include Durability Parameters in our tender specifications and build durable structures only. This will delay deterioration of buildings with regular maintenance and huge sums now required to be spent on Repair / Waterproofing right at early age of the building, will be saved.

#### ❖ *Structural Audit*

What is meant by Structural Audit of a building? When we should do it? Is it that we should do it only after the building is 30 years old? Mr. Shah highlights this hot topic. He also guides participants - as to what it should include.

#### Reactions on First Work-Shop held on 31-03-2007

Officer from CIDCO, Navi Mumbai

Mr. M. Mahadeo : 9833408553

❖ Your Seminar was highly informative and needs to be held at frequent intervals and at various locations - especially Navi Mumbai.

#### Reactions on Second Work-shop held on 16-06-2007

1. Officer from Tarapur Atomic Power Station.

Mr. H. D. Singh CE (02525 - 282010)

❖ The programme has been very useful. In terms of application of the same to Indian conditions and very informative to mitigate our problems.

2. Officer from Reserve Bank of India

Shri Manish Madhukar Gaikwad : 9970407921

❖ This one day work-shop was very helpful being a civil engineer. Nowadays old buildings / structures require restoration. So this was very valuable guidance and information to us.

3. Officer from National Institute of Industrial Engineering.

Shri Uday Chandrakant Kadikar : 9881408372.

Assistant Engineer

❖ Very good, very useful for Civil Engineers, for day to day, maintenance work and future construction work. Mr. J. J. Shah takes pains for these work-shops. He is highly devoted. Thanks.

#### Reactions on Third Work-Shop held on 27-10-2007

Reader in Structure

Mr. Ketan C. Rami : 9969411455

❖ Very informative, covers all aspects properly. Congratulations to Mr. Shah for exploring the problem

faced by masses very effectively.

#### Reactions on Fourth two full days Work-Shop held on 12-01-2008 & 13-10-2008

1. Mr. V. B. Kore : 9869078233

Deputy Engineer (Design), BEST

❖ It is a very good Work-shop. Every civil engineer must attend this and act upon it while working.

2. Mr. N. Mani, Chief Maintenance Dept. - Indian Oil 26447550

❖ The Work-shop was informative and topics were backed with practical wisdom. The dedication, enthusiasm exhibited by faculty is highly appreciated.

#### Reactions on Fifth two full day Work-Shop held on 19-04-2007 & 20-04-2007

Architect and Structural Engineer

Mr. Kishor N. Bhoir : 9833103316

❖ We found this Work-shop very useful for our professional practice as a Repair & Rehabilitation Specialist.

#### Reaction on Sixth two days Work-Shop held on 04-10-2008 & 05-10-2008.

Retired civil contractor, now advisor.

M. Prashant S. Badheka : 9322649574

❖ An innovative and absorbing work-shop which is based on knowledge backed by Mr. Shah's years of 'actual' field experience.

#### Reactions on Seventh two full days Work-Shop held on 17-01-2009 & 18-01-2009

1. NDT Dept. EPICON Consultants Pvt. Ltd.

Ms. Siddhika Kulkarni : 9220972508

The Repairs, Rehabilitation, Restoration, Durability - every title has its unique meaning & which was properly made to understand.

The proper description and very small i.e. minute observations should be taken care off, brought a new view & insight in mind.

2. Pantaloon Retail India Ltd.

Mr. Suryaprasad S. Rao : 09320564136

1. Good information shared 2. Innovative

3. Well organized 4. Excellent hospitality

#### Reaction on Eighth Work-Shop held on 25-04-2009

Indian Oil Corporation Ltd.

Mr. M. V. Indurkar / Mr. Asim Ray / Mr. I. A. Jaffari /

Mr. Dilip B Vagal

9833132901 / 9930564869 / 9820918118 / 9833106751

❖ Excellent presentation by Shri J. J. Shah. His eagerness to share his knowledge and experience is very sincere and has added to our ability to solve the repairs problems.

We wish him all the best in his life.

#### Reactions on Ninth Work-Shop held on 12-09-2009

Tata Power Company Ltd.

Mr. S. B. Eswaran, Assistant Manager 9869082475