

IEIGOA NEWS

The Institution of Engineers (India)

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GOA STATE CENTRE

'98 Years of Relentless Journey Towards Engineering Advancement for Nation Building'

Issue No. 67

July - August 2018

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 Er. Raghuvir Chari, FIE
 Er. Brahmanand S. Naik, MIE
 Er. Austin S. Rodrigues, AMIE

 Dear friends,

From the Chairman's Desk

A warm welcome amidst heavy rains in Goa.

Over March 2018, Goa State Centre Membership has witnessed a growth of 16.38 percent. From 1062, we have grown to 1236 members. The core of Goa State Centre has always been Civil Engineering Division topping with as many as 551 members followed by Mechanical Engineering Division of 253 Members & Electrical Engineering Division with 162 Members.

I am delighted to share that Goa State Centre has been assigned the responsibility to host the next Council Meeting in Goa. The Council Meeting will be held from 20th to 23rd September 2018 at Nanu Beach Resort at Betalbatim Accordingly, we have planned to receive the 100 odd Council Members in Goa. All the Committee meetings, various Engineering Division Board meetings would be held at the backdrop of Council Meeting concluding with the election of President of the Institution of Engineers (India) for the Year 2018-19. The newly elected President will mark the beginning of Centenary Celebration of the Institution of Engineers (India) which was established in the year 1920. Thus Goa State Centre will be having the honour of being part of the centenary celebration.

In June 2018, we conducted the election for the post of Chairman & Hon. Secretary for the session 2018-2020. Er. Chandrashekar Prabhudessai & Er. Balkrishna Chodankar have been elected unopposed as Chairman & Hon. Secretary of the Institution of Engineers (India), Goa State Centre. I congratulate both of them and wish them a successful & joyful term of 2 years. I ensure them of my full support in the endeavour during their term.

The Engineers' Day 2018 would be organised along with the council meeting on 22nd September 2018 at Nanu Beach Resort at Betalbatim. It was my desire to organise a programme of Goa State Centre with the Council Members and it has come true. The key note speaker Prof. Vithal Sukhtankar would be delivering his key note address on the topic '**Digital Transportation: A New Industrial Revolution**'. All the members are invited for the celebration. Please stay tuned to the website for news updates & activities reporting.

I wish you a pleasant Independence Day and look forward to serving you again.

With Best Wishes,

Er. Gurunath M Naik Parrikar
 Chairman
 9168694667



EDITORIAL BOARD

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Er. Deepak A. Karmalkar, MIE
 Editor

Er. Austin S. Rodrigues, AMIE
 Associate Editor



RERA : REAL ESTATE (REGULATION AND DEVELOPMENT) ACT, 2016

Continued from previous edition...

FUNCTIONS OF REAL ESTATE REGULATORY AUTHORITY

1. Register & regulate real estate projects/ real estate agents registered under RERA.
2. Publish & maintain a website of records, for public viewing, of all real estate projects for which registration has been given.
3. Creation of a single window system for ensuring time bound project approvals & clearances for timely completion of the project
4. Measures to encourage grading of projects on various parameters of development including grading of promoters.
5. Measures to facilitate digitization of land records and system towards conclusive property titles with title guarantee.
6. Render advice to appropriate Government in matters relating to development of real estate sector.

MAJOR PROVISIONS: The Major Provisions in the Act relates to following aspects:-

1. REGISTRATION
2. PROTECTION OF BUYERS
3. REAL ESTATE REGULATORY AUTHORITY AND APPELLATE TRIBUNAL

PROJECT REGISTRATION: Every real estate promoter has to register the new project before going ahead of marketing or selling units.

1. Every ongoing project which has not received occupancy certificate shall also register before the last date declared by the authorities.
2. Development Authorities and the Housing Boards, when involved in sale of apartments/ plots are covered under the Act.
3. Each phase shall be considered a stand alone real estate project and registration for each phase has to be obtained separately .

REGISTRATION PROCEDURE UNDER RERA:

Required documents for registration such as Company details, Pan Card, Legal Title report, Title / Development Agreements, information related to encumbrance, Sanctioned Layout & Building Plans, information related to FSI, TDR, Recreational Ground, Parking spaces & final proposed design scheme.

1. Information about Architecture & Design Standards, Type of Construction Technology, Amenities & facilities.
2. Information about formation of proposed Co-op. Hsg. Society/apartment/company & transfer of conveyance.
3. Disclosure by promoter regarding project estimate consisting
4. of land cost, cost of construction & other costs such as taxes,
5. development charges etc.
6. On receipt of the application, the Authority shall within a period of 30 days grant registration, including a Login ID

and password.

7. In absence of satisfactory documentation, the authority can reject the application, however, the promoter shall get an opportunity of being heard in the matter, within a period of 7 days of expiry of the said period of 30 days specified
8. RERA to publish information submitted by promoter on the RERA website for public viewing.
9. The promoter may apply for withdrawal of application for registration of the real estate project before the expiry of the period of 30 days of its submission to Authority.
10. The registration fees will be refunded except the administrative charges.

PROJECT REGISTRATION FEES

- a) The promoter shall pay a registration fee at the time of application through NEFT or RTGS or any digital mode of transaction as under,

Rs.10 per Sq.m	On Land area
Minimum of Rs.50000	Subject to Max of Rs 10 lakhs

- b) In the event of failure to register the project before advertising or selling, a penalty up to 10% of the estimated project cost may be imposed.

DEPOSITS AND WITHDRAWALS

1. Developer has to deposit 70% of the amount realised for the real estate project from the allottees from time to time in the separate account in a scheduled bank to cover the cost of construction, the land cost and shall be used only for that purpose.
2. For on-going projects the promoter also has to deposit 70% of the amount to be realised for the real estate project from the allottees from time to time in the separate account in a scheduled bank.
3. Promoter shall deposit 100% of the amount to be realised from the allottees in the event where the estimated receivables of the on-going project is less than the estimated cost of completion of the project.
4. The promoter can withdraw amounts from the separate account in proportion, to the percentage of completion of the project upon certification by an architect, an engineer and a chartered accountant in practice.
5. The chartered accountant in practice certifying project expenditure for RERA & internal auditor of a promoter company shall be different.

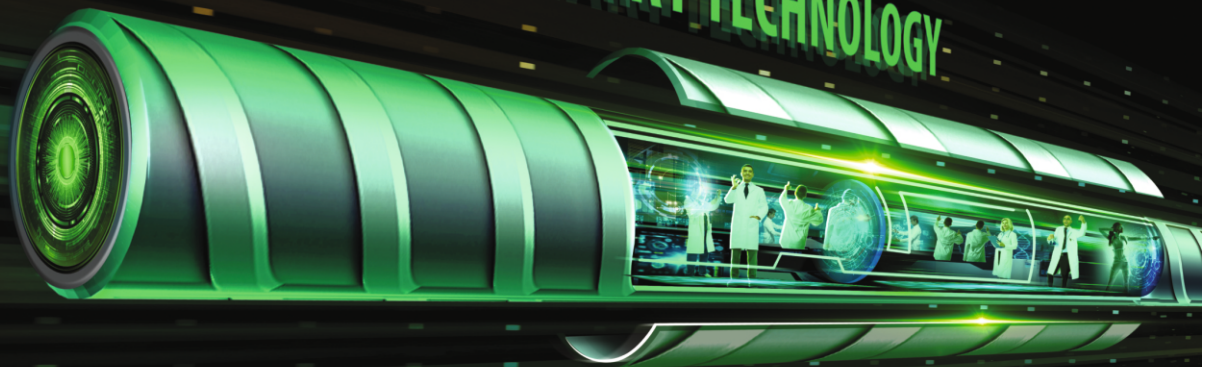
LAND COST INCLUDES: Lease charges, premium paid against purchase of land/ development rights, cost towards TDR, premium FSI, Fungible FSI, Stamp Duty, Registration fees, overhead cost, marketing cost, legal cost & supervision cost, transit camp cost, cost of construction for Rehab building, Corpus fund, rent , transportation charges, brokerage, any other charges

Continued on page 5...

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MYSTERY FINALLY DECODED! LEANING TOWER OF PISA IS 'EARTHQUAKE RESISTANT'



By Austin S. Rodrigues, Associate Editor, IEI Goa News

One of the seven wonders of the world of the middle ages, the Leaning Tower of Pisa has brilliantly faced 4 major earthquakes during its lifetime, one of which was over 6 Richter scale. This 57metre tall high rise building, weighing about 14500 tons has base

diameter about 16metres and leans precariously at about 5 degrees. Thus, its crown stands off the centre by about 5metres! With these parameters, the Leaning Tower of Pisa would have been oscillating at very high amplitude even during mild earthquakes. This, as the civil engineering fraternity well knows, is a perfect recipe for disaster. Defying the logic however, the tower stands tall, and time and again the engineers have questioned as to why the leaning tower of Pisa has survived so many mighty earthquakes!

Professor George Mylonakis, from Bristol's Department of Civil Engineering, was invited to join a 16-member research team, led by Professor Camillo Nuti at Roma Tre University, to explore this Leaning Tower of Pisa mystery. Though the construction of the tower had begun in 1173, the tilting was noticed when the construction of the second floor had begun in 1178. This tilt was attributed to a shallow foundation, just 3-metre deep, on a weak and unstable subsoil composed of sand, clay and deposits from the

Tuscan rivers Arno and Serchio, which compacted due to the superstructure's sudden overload. The construction was stopped twice in its double-century construction phase, first after the fourth storey work for about 100 years and then again in 1284. This delay in completion of construction proved to be a boon as the consolidation of the soil during the off-construction period strengthened the sub-soil by releasing the water from its pores. To reduce the tilt, architects and engineers worldwide have attempted adding grout to the foundation masonry, wrapping plastic-coated steel pieces around the tower up to the second floor, pouring a concrete ring around the base of the tower, laying 800

tonne lead counterweights to the north side, installing anchored cable counterweights, and extracting soil from underneath the north side. With the restoration measures taken up, the so called 'miracle of medieval engineering', the Leaning Tower of Pisa is predicted to remain stable for at least another 300 years.

Italy sits on the tectonic fault line marking the boundary of the African and European plates. The oceanic crust of the African plate is subducting or pushing under Italy, creating iconic natural features such as the volcano at Mount Vesuvius. These plates converging at a rate of around 5mm each year have created a history of devastating earthquakes of various magnitudes over the years. Even with these earthquakes, Italy's crowning glory stands tall braving each one of them over the centuries.



Leaning Tower of Pisa

Research published in the journal, 'Earthquake Spectra' claims that the team of Italian and British engineers and geologists solved the mystery of how the Tower has survived these deadly earthquakes. And surprisingly, it is actually the tilt that saved it from collapsing. The foundation sub-soil has alternating layers of sand and clay which get compressed by the 14,500-ton tower

unevenly and as the foundations of the Tower of Pisa tilt, the superstructure follows.

It is understood that whenever a seismic wave hit a tall structure, it begins to oscillate along its vertical axis with a certain frequency due to which the wave progresses upwards vibrating the upper floors and the structure comprising of columns, concrete and beams in the lower floors get weakened by the forces exerted on them leading to eventual collapse of the building under its own weight. But, in the case of the Leaning Tower of Pisa, when a seismic wave shakes the ground, the superstructure-tower doesn't oscillate around a vertical axis, as in an upright standing building, but rather rotates around the inclined central axis. This rotary motion dissipates most of the energy which otherwise could damage or break the columns and walls supporting the building. The considerable height and stiffness of the Tower combined with the softness of the subsoil, causes the vibration characteristics of the structure to be modified substantially, in a way that the Tower does not resonate with earthquake ground motion. This has been the secret to its survival mystery. "This 'dynamic soil-structure interaction' phenomenon has been responsible for the tower's survival", reported the research team, led by architecture professor Camillo Nuti at Roma Tre University in Rome. Obviously, the unique combination of these characteristics gives the Tower of Pisa the world record in DSSI effects.

Through DDSI it has been found that the subsoil on which a structure stands may interact dynamically with the structure during its response to dynamic excitation to such an extent that the stresses and deflections in the system are modified from the values that would have been developed if it had been on rigid foundation.



The Tower of Pisa leans precariously at about 5 degrees with vertical

THE WORLD ENVIRONMENT DAY

The 'World Environment Day' was celebrated on the 5th of June 2018 at the Auditorium Hall, Government Polytechnic Panaji, Goa. The theme was 'Man, Nature and Environment – (Beat Plastic Pollution)'. The Chief Guest for the function was Shri. L. R. Fernandes, Principal, Government Polytechnic

members of audience. The Chief Guest, Shri. L. R. Fernandes talked about the role of India while being the host on the United Nation's theme, 'Beat the Pollution'. He put forth various problems created by plastic pollution in the world and stressed on the mantra, 'Refuse the use of single-use plastic'.



Er. Abhijit Prabhudesai, addressing the gathering



Chief Guest, Shri L. R. Fernandes, Principal, G.P.P. and Keynote Speaker, Er. Abhijit Prabhudesai, ex-Chief Eng. (Elect.), Dubai Airport along with Er. G. M. Naik Parrikar, Chairman, IEI, G. S. C, Er. Deepak A. Karmalkar, Hon. Sec. IEI, Goa State Centre and Er. Austin S. Rodrigues, Convenor

The Chairman, IEI, Goa State Centre, Er. Gurunath M. Naik Parrikar presented mementos to the Chief Guest, Shri. L. R. Fernandes and the key-note

Panaji and Er. Abhijit Prabhudesai, ex-Chief Engineer (Electrical), Dubai Airport was the keynote speaker.

The Chairman, IEI, Goa State Centre, Er. Gurunath M. Naik Parrikar while welcoming the gathering highlighted the role of engineers at the Institution of Engineers in conducting various activities all round the year. Er. Austin S. Rodrigues, Convenor, World Environment Day gave a brief history of plastics right from its accidental birth, to its growth and presently the havoc it has created to marine life and humans on the earth.

Explaining the topography of Goa region, the keynote speaker, Er. Abhijit Prabhudesai pointed out the various environmental problems plaguing our tiny state. He informed that the Khazan lands are getting inundated due to climate change, mining resources and water sources getting depleted and air quality getting polluted day by day. He also stressed that it is time that the engineers got together and came forward to present viable solutions to solve the various problems in the society to build a healthy environment for the present and future generations. The session was followed by a discussion with the

speaker, Er. Abhijit Prabhudesai. Er. Nancy Dias and Er. Rohini Naik compered the programme. Appreciating the work done by various members of IEI, Goa State Centre and staff from G.P.P., Er. Deepak A. Karmalkar, Honorary Secretary, IEI, Goa State Centre conveyed the vote of thanks. The programme was well attended by a gathering of over fifty from all over Goa.



Member from the audience, Er. Raghuvir C. Nasnodkar putting forth queries

Continued from page 2...

overheads, machinery cost, interest paid or payable against capital raised for the construction cost, etc.

PROTECTION OF BUYERS

1. The Act prohibits unaccounted money from being pumped into the sector.
2. As now, 70 per cent of the money has to be deposited in

bank accounts through cheques.

3. A major benefit for consumers included in the Act is that builders will have to quote prices based on carpet area and not super built-up area
4. Carpet area has been clearly defined in the Act to include usable spaces like kitchen and toilets.

Concluded.

SMART AND INTELLIGENT BUILDINGS

In December 2016, Wynn, the hotel chain announced that all the rooms in its Las Vegas Hotel would be equipped with Amazon Echo, the voice controlled speaker equipped with Artificial Intelligence by the December 2017, which would allow the guests to control aspects of their rooms, e.g. lights, temperature and audio-visual devices. The introduction of Amazon Echo personal assistant functions would also improve guests' experiences within the hotel.

Artificial Intelligence in simple terms is the intelligence demonstrated by the computer systems to perform tasks normally requiring human intelligence.

A building has been most often understood to be a static structure made of bricks, concrete and steel. In order that the building systems are managed, one would invariably rely on technicians who would compile data, generate reports on equipment performance, energy consumption and performance, which would be highly laborious,

expensive and time consuming. However today, with use of technologies, such as computerized maintenance and management systems (CMMS) and computer assisted facility management (CAFM) platforms, which deliver services, the buildings come alive with the moving elevators, smart lighting, talking speakers, etc.

Evolution of Internet of Things (IoT), Big Data analytics (BDA) and Artificial Intelligence (AI) on a large scale and reduction in costs of software and peripherals have made it easier to obtain data on the performance of buildings, and the systems associated with them, right from the micro level.



house its Alexa voice assistant, and a home security camera that could be linked to its existing Echo connected devices to further expand their capabilities, according to a report in the FT.



The Artificial Neural Networks (ANNs - an interconnected group of nodes, similar to the vast network of neurons in a brain) have been quite efficient to forecast energy demand to HVAC systems of buildings and houses. Global facility management ISS World in a joint venture with IBM's Watson unit would deploy AI across its 25,000 buildings to provide building owners and users with better optimised services, such as predictive maintenance and reduced failure and downtime. Also, the 1980's centrally controlled pneumatics and the 1990's Direct Digital Controls (DDC) is going to be a history as AI is continuously monitoring and controlling the operations of HVAC units in real-time, based on occupancy and performance.

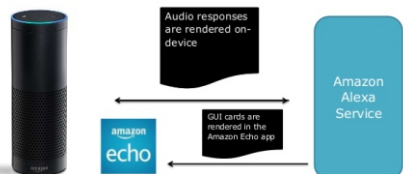
The global elevator manufacturer KONE intends to use the AI technology from IBM Watson to monitor and optimize elevators, escalators, doors and turnstiles in buildings all over so that they have improved performance during day today use and in times of emergency.

Today, AI's fuzzy logic (an approach to computing based on 'degrees of truth' rather than the usual 'true or false') has been extensively applied to buildings, to improve the indoor comfort, check indoor air quality, obtain thermal comfort indices, reduction of energy consumption and optimization of HVAC systems operation.

Ruggero Altair Tacchi, lead data scientist at Quid says, "Deep learning is a form of artificial intelligence that relatively mimics how our brain hierarchically understands objects and environments. This allows us to approach problems

Continued on page 7

Alexa Architecture



Looking at the huge construction industry and its success with Echo, Amazon is learnt to be working on building a pair of smart glasses to

BRAIN TEASER

You're in a boat and you throw out a suitcase. Does the water level increase?

(Answer on page 8)

JUST A QUERY

Which is correct to say, "The yolk of the egg is white" or "The yolk of the egg are white?"

(Answer on page 8)

LIGHTER ZONE



CONGRATULATIONS



Er. Curunath M. Naik Parrikar

For being promoted to Chief Engineer, P. W. D., Government of Goa

SMART AND INTELLIGENT BUILDINGS

Continued from page 6

promising for the smart building industry, where systems can learn to recognize patterns ranging from people in the room to room temperatures that correlate with high performance and efficiency—and then recommend the best suited conditions for productivity.

Recently emotion-focused AI developer Affectiva developed the Emotion AI technology which is being used by 1,400 brands worldwide, including CBS, MARS and Kellogg's, who use it to judge the emotional effect of advertisements on the viewers by asking them to switch on their cameras while advertisement plays. The facial images captured were then analysed with deep learning algorithms which accurately classified them according to

from different scales".

This is

the feelings of the viewer.

Data-enabled machine learning creates a smart building, whose ability is to be proactive in making appropriate changes to services to occupants based on the huge amount of data. Therefore, Smart Building Technology learns and anticipates the user's preferences and alters the conditions to meet the user needs more precisely and exactly than humans. This technology can provide for the elderly people remote monitoring of health through blood pressure and heart monitors which note behavior patterns and highlight any change that might indicate a problem.

Smart buildings are continuously evolving with the changes in technology, with elements added in such a way that they can easily be changed as technology and the building's use develop. It is no doubt that the machines human create, try to overtake the humans themselves in the race to evolution.



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Answer to Brain Teaser on page 6

Nope. Water is already being displaced by its contributing weight and density to the submerged part of the boat's hull. So by throwing it overboard, its weight/density will not alter things.

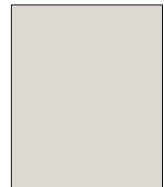
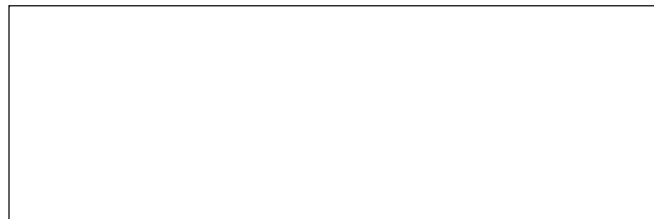
Answer to Just a Query on page 6

Both are wrong!

APPEAL

We request our members to get more interactive with the Institution. We'd love to have your contributions towards our bulletin, too. Do send in your articles, reports and other information that you'd like to share with other members to our office: **The Institution of Engineers (India)**, Goa State Centre, D-Type Quarters, D-8-1, Government Polytechnic Campus, Altinho Panaji, Goa. Tel.: 2434686. Email: goastatecentre@gmail.com Website: www.ieigoasc.org

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The Institution of Engineers (India)

Goa State Centre

2-Days All India Seminar

RERA - A CHANGE MANAGEMENT EXERCISE

18 & 19 August 2018, Goa Science Centre, Miramar

KEYNOTE SPEAKER

Smt. R. Menaka, IAS, Director of Urban Development, Government of Goa will deliver the Keynote Address.

SPEAKERS

Dr Sanjay Chaturvedi, LLB, PhD heads the law firm, M/s. Sanjay Chaturvedi Associates, Mumbai which is engaged mainly in Compliance and Research in law very specifically in corporate, Real Estate and Capital market operations including Setting up Funds and Compliances. Dr Sanjay Chaturvedi, a research scholar, who did his Chartered Accountancy, is a practicing Lawyer and has been awarded PhD in Real Estate Finance by Mumbai University and is in real estate industry since last 30 years. He is visiting faculty at Department of Commerce, University of Mumbai, NMIMS and many other management institutes. He has been writing content and instrumental in research with Dow Jones, CRISIL, KPMG, Goldman Sach, CIDCO, HUDCO, IL&FS, ICICI Securities, MMRDA, etc.

He is in real estate industry since 1986, and has written many books, articles and research papers which are been published in many international conferences and journals. He has been taking knowledge series lectures in Singapore, Hong Kong, London, Dubai, Abudhabhi, Mascut and

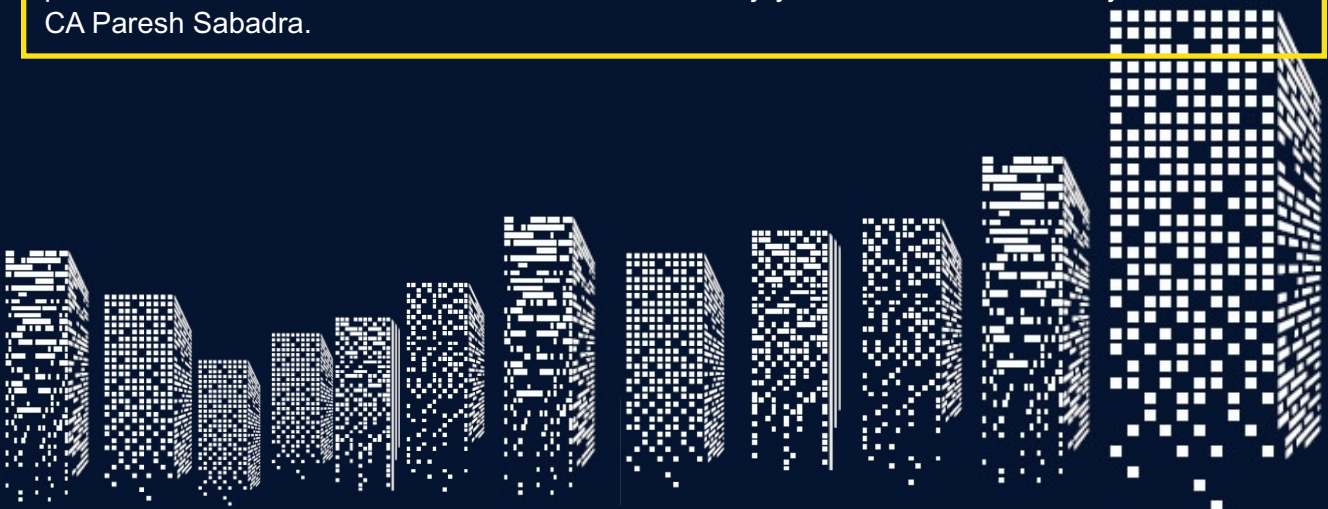
much part of Indian cities and states. He has been in research and reviews of various real estate aspects in India and abroad. He is the Executive Editor of Accomodation Times and has authored the book on, 'Landmark Judgements of RERA'.

CA Ashwin Shah, Mumbai is the RERA expert from MCHI Thane unit of Mumbai and answer all the queries pertaining to RERA online. He has been the speaker for numerous seminars and workshops and in this seminar, C A Ashwin Shah will be lecturing on, 'RERA - Transformation & Balancing of Rights and Obligations'. He is expected to give his valuable thoughts on Constitutional Challenge of RERDA 2016 to Ongoing Projects, Obligations of Joint Promoter viz Land Owner, Co-op housing Society etc, Standardization of Project Information, Transparent flow of information, Fast track resolution of litigations, Dynamic Approach under Judicial Pronouncement, Bottlenecks - Inefficient Approval System, lack of infrastructure etc and Future and Way Forward.

PANEL DISCUSSION

Panel Discussion (State Level) shall consists of eminent persons from the state of Goa. The panelist are Nilesh Salkar, Adv. Shivan Dessai and Smt. R. Menaka, IAS.

Panel Discussion (National Level) shall consists of eminent persons from India. The panelist are C A Ashwin Shah, C A Ashit Shah, Dr. Sanjay Chaturvedi, Adv. Tanmay Phadke and CA Paresh Sabadra.



The Institution of Engineers (India)

Goa State Centre

2-Days All India Seminar

RERA - A CHANGE MANAGEMENT EXERCISE

18 & 19 August 2018, Goa Science Centre, Miramar

SPEAKERS

CA Ashit Shah, Mumbai has a Specialization in Indirect Tax. He is an expert on transaction Restructuring, Advisory and Litigation in the area of Service Tax and Value Added Tax. He is a regular faculty on Seminars and Meeting organized by Institute of Chartered Accountants of India and their Regions and Branches all over India. At this Seminar, C A Ashit Shah will be the speaker on the topic, 'Impact of GST on Real Estate'.

Advocate Tanmay Phadke, Mumbai is an advocate by profession. He regularly appears before Income tax authorities and various judicial forums including High Court and Income Tax Appellate Tribunal. Apart from this, he is also into Income tax advisory and consultancy for corporate as well as non-corporate clients. He is specialized in all the fields of Income Tax like corporate taxation, transfer pricing, international taxation, trust taxation. He contributed various articles in different journals and publications published by various professional bodies like chamber of tax consultants, All India federation of tax practitioners etc. In addition thereto, He regularly delivers

lectures at different professional forums. Mr. Tanmay Phadke is also a past member of Taxation committee of Thane Branch of WIRC.

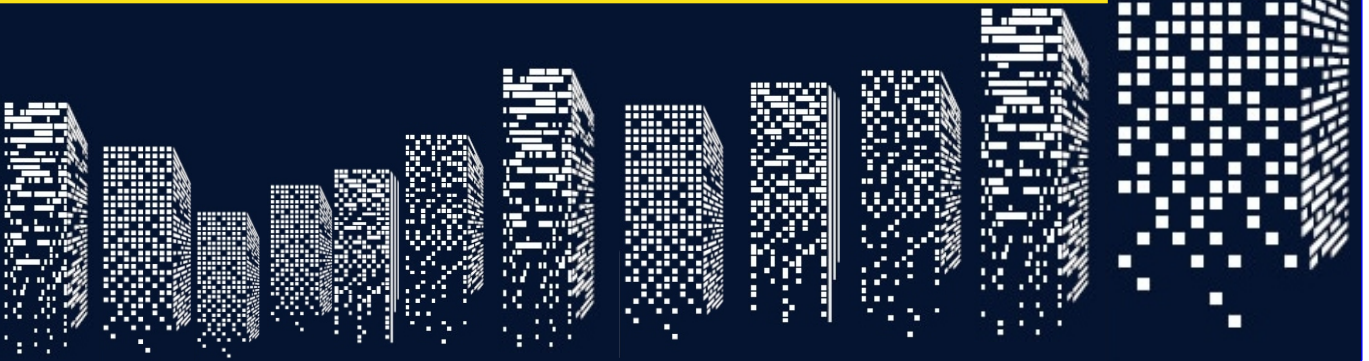
Advocate Shivan Dessai: Has been practicing for the last 16 years in the high court of Bombay at Goa, district and trial courts in Goa, national green tribunal, Pune, etc. dealing with Agreements for Sale/Sale Deeds and other related Instruments in respect of Acquisition/Purchase of Property, Investigation of Title/Preparation of Title in respect of property including verification from the concerned Government Departments/Offices, etc. assisted as a researcher for the institute of advanced legal studies, Pune in respect of the publication of commentary on public interest litigation by professor sathe, assisted as a researcher in the publication on contract law in india by prof. nilima bhadbade, etc. During this Seminar, Adv. Shivan Dessai would be speaking on 'Homebuyers Protection under RERA'.

Advocate Saresh Lotlikar: Advocate General of Goa.

CA Paresh Sabadra, Nasik: shall be delivering a lecture on day 1.

Few seats Vacant! For Booking Your Seat contact:

Er. Gurunath M. Naik Parrikar, Chairman, IEI, GSC., Mob.: 91686 94667
Er. Deepak A. Karmalkar, Honorary Secretary, IEI, GSC., Mob.: 98223 14634
Er. Datta Kare, Convenor, Mob.: 98221 31618
Er. Chadrashekar Prabhudessai, Organising Secretary, Mob.: 86050 87070



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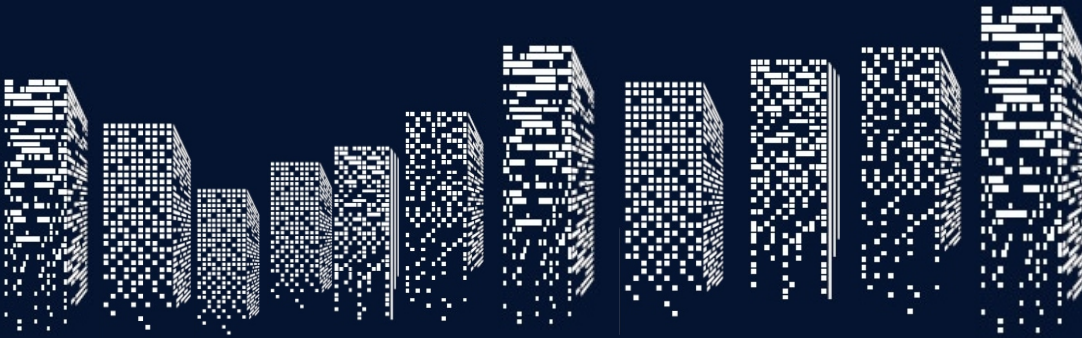
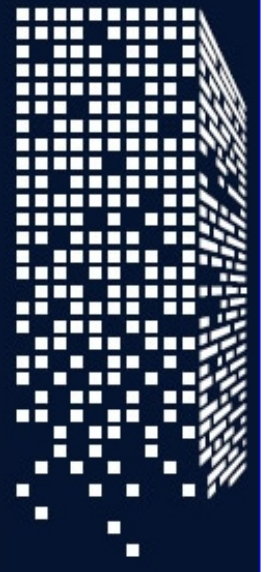
2-Days All India Seminar

RERA - A CHANGE MANAGEMENT EXERCISE

18 & 19 August 2018, Goa Science Centre, Miramar

TENTATIVE SCHEDULE

Time	Event	Duration in minutes
18th August 2018 - Saturday		
09.00 onwards	Registration	
10.00 – 11.00	Inaugural Session	60
11.00– 11.15	High Tea	15
11.15– 12.15	Key Note Address by Smt. R. Menaka, IAS, Director of Urban Development	60
12.15– 13.00	Lecture by CA Paresh Sabadra	45
13.00– 14.00	Lunch	60
14.00– 15.15	Lecture by CA Ashwin Shah on RERA Transformation and Balancing of Rights & Obligations	75
15.15– 15.30	Tea Break	15
15.30– 16.30	Lecture by CA Ashit Shah on Impact of GST on Real Estate	60
16.30– 17.30	Lecture by Dr. Sanjay Chaturvedi on Landmark Judgments and rulings of RERA	60
19th August 2018 - Sunday		
10.00 – 11.00	Lecture by Adv Suresh Lotlikar on Adjudicating disputes relating to Real Estate Projects.	60
11.00– 11.15	High Tea	15
11.15– 12.00	Lecture by Adv Shivan Dessai on Homebuyers Protection under RERA	45
12.15– 13.00	Lecture by Adv. Tanmay Phadke on Overview of Income Tax Provisions relating to Real Estate	45
13.00– 13.15	Paper Presentation	15
13.15– 14.15	Lunch	60
14.15– 15.00	Panel Discussion Group I	45
15.00– 15.45	Panel Discussion Group II	45
15.45– 16.00	Tea Break	15
16.00–17.00	Valedictory Session	60



The Institution of Engineers (India)

Goa State Centre

2-Days All India Seminar

RERA - A CHANGE MANAGEMENT EXERCISE

18 & 19 August 2018, Goa Science Centre, Miramar

DETAILS

REGISTRATION FEES

Individual/ Representative of Organisation ₹ 4,500/-

Members of IEI / ITPI / CREDAI ₹ 3,500/-

Students of Professional Colleges ₹ 1,500/-

Note: The fees are inclusive of taxes as applicable.

- Number of Delegates restricted to 100 on first come first serve basis.
- Number of Students restricted to 20.
- Student-delegates shall submit/produce the copy of Identity Card along with the Registration Form.
- Delegates must register latest by 31st July 2018.
- No spot registration.

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