

L'Avenir Elevator Digest

September 2017 Vol. 05 Issue 02



**DUBAI - Real Estate
Market Overview**



KEMA (Karnataka Elevator Manufacturers Association) Formed and Inaugurated At A Grand Ceremony In Bangalore On 09.09.2017



Chief Minister of Karnataka Mr.Siddaramiah and Pujya Nirmalanandanatha Swamiji of Adichunchanagiri math have graced the occasion of grand Inauguration of KEMA (KARNATAKA ELEVATOR MANUFACTURERS ASSOCIATION) in Bangalore on 09.09.2017.

The latest innovations in elevators and the market potential were highlighted at the conference and exhibition of Karnataka Elevator Manufacturers' Association.


"The smart elevator market is estimated to garner

\$23.16 billion by 2020, registering a CAGR of 13.8 per cent. India will be adding to this market substantially. The Asia-Pacific market is said to be the fastest growing after North America" said Shoba Yaduraj, President of the Association adding that Bangalore will lead by example of 'smart elevators'.

The Association said the conference would deliberate on the innovations and deployment in smart cities and also how to increasingly make these elevators safer and safer as speeds and capacities increase. The exhibition had on display an array of elevators that will help in 'smart cities' development.

L'Avenir Elevator Digest

September 2018 Vol. 06 Issue 02



ANALYSIS OF NEW LIFT
TYPOLOGY WITH VISUAL
STIMULATION OF PASSENGERS

Karnataka Elevator Manufacturers Association[®], organizes the First Safety Awareness Campaign for Lifts And Escalators.

|| "Asia Book of Records" is a collection of records from Asian countries spanning from Dubai to Japan covering great Indus valley and Russia. It is supported and associated by India Book of Records, Vietnam Book of Records, Nepal Book of Records, Indo China Book of Records, Singapore Book of Records, Malaysia Book of Records and Asian Record Union, and many others. As on date, 27 Asian countries (and growing) together are part of Asia Book of Records. About 2500 records have been verified and certified by Asia Book of Records in last 8 years. Asia Book of Records was established in 2007 by world record holders of Asia under the guidance of Dr. Biswaroop Roy Chowdhury. So far, India has contributed nearly 40% of the records in Asia followed by China and Vietnam. On June 17th, KEMA (KARNATAKA ELEVATORS MANUFACTURERS ASSOCIATION), one of the most active elevator associations in India, has attempted and successfully completed safety awareness rally with record number of bikers.



Mrs Shobha Yaduraj-President KEMA addressing and congratulating the Record Creators in the presence of the Dignitaries



The criteria for the record was stringent like

- It is a mass record attempt.
- There should be minimum 1600 bikers men and women comprising of doctors, engineers, advocates, academicians and house wives, wearing special costumes, participated to make the attempt successful to be enter in Asia Book of Records.
- Participants who completed the rally would be only considered in the final count. The participants leaving the rally in between during the record attempt will not be considered.
- The awareness campaign should be relevant to safety awareness of lifts and escalators only.
- All the participants should be properly registered before the

record attempt and a list bearing their names and contact numbers should be submitted to the adjudicator before the record attempt.

- The participants registration numbers along with the Asia Book of Records logo should be clearly visible for all the participants making the record attempt (may be in the form of chest numbers/wrist bands or any other convenient manner).
- There should be adequate arrangements/volunteers/supervisors to smoothly execute the attempt successfully.

The Event was not a planned one but was triggered by the recent spurt of elevator accidents in prime locations (both fatal and non-fatal) that were due to overloading, low quality installations, poor maintenance and above all

installations by unregistered Elevator Companies. All accidents are preventable if and only if the Building Owners make sure that they install elevators from registered Companies and keep their equipment in safe condition. The General public are also ignorant of Lift Act and Rules of the state as well as the do's and Don'ts in elevator and Escalator ride. KEMA, therefore felt it a necessity and as a part of their social obligation to conduct an event to create safety awareness as well as Using Equipment properly.

Karnataka Elevator Manufacturers Association(R) under the leadership of a woman entrepreneur, Ms. Shobha Yaduraj, the Founder President of Karnataka Elevator Manufacturers Association®, organized the First Safety Awareness Campaign for Lifts And Escalators.

L'Avenir Elevator Digest

December 2019 Vol. 07 Issue 03

OTIS COMPLETES ELEVATOR MODERNIZATION FOR EMPIRE STATE BUILDING



Connected technologies for urban living. Bosch launches IOT based public infrastructure monitoring solution

- Honorable Chief Minister of Karnataka Sri B S Yediyurappa launches the IOT powered solution hailing it as a positive outcome of technology innovation.
- At the core is Bosch's Phantom product which is an intelligent platform that increases machine efficiency, provides input on critical safety, machine maintenance and early warnings on malfunctions.
- Can be retrofit in elevators, escalators of any brand or technology to enable safer infrastructure monitoring.



Honorable Chief Minister of Karnataka Sri B S Yediyurappa unveiled an IOT enabled public infrastructure monitoring solution from Robert Bosch Engineering and Business Solutions (RBEI). At the core of the solution is Bosch's Phantom, an intelligent ecosystem platform; analytics form the core of this solution and it is Phantom's purpose to bring advanced

technology and insightful analytics to our users. This solution combines Bosch's unique strength in software, sensors and services to transform elevators and escalators into smarter machines.

Addressing a real need of the hour: "Bosch's IOT based solution is made in Bengaluru for India...to address a safety issue in our growing cities.

Our solution will enable manufacturers manage a smooth and safe movement of a large number of people using public infrastructure", said Vijay Ratnaparkhe (CI/P CI/EGRBEI/P).

At the heart of the solution is Bosch's Phantom platform. The Phantom platform is a powerful ecosystem on the cloud and on premise that delivers manufacturing efficiency, real time alerts and notifications for timely actionable insights. The solution gathers machine usage and equipment status for intelligent analytics, and provides key insights on usage, benchmarks, and trends. It provides input on critical safety, machine maintenance and early warnings on malfunctions. This smart solution will provide real time

alerts and notifications via e-mails and messages to users. It is a non-intrusive, retrofit solution that can be set up in a few minutes.

"Headquartered in Bengaluru, Bosch has been manufacturing in India for over 65 years. With presence in mobility, beyond mobility and sensors, software & services, the company employs about 30,000 associates in India out of which approx. 20,000 are housed in Karnataka. Bosch is committed to the State of Karnataka and will continue to offer wide range of smart solutions in future." said Soumitra Bhattacharya (RBIN/P).

The Bosch solution is initially deployed in few elevators and escalators, including the escalator in the skywalk near Forum Mall, Koramangala.

Glimpses of the event:



SEEIOT Solutions is the implementation partner for this solution in Karnataka. Dr. Shobha Yaduraj, Managing Director, SEEIOT Solutions and State President, Karnataka Elevator Manufacturers Association said, "We are excited to be the on-ground implementation partner of Bosch's solution in the State. This solution puts technology in the service of the city. It addresses urban monitoring issues".

During his visit to the RBEI facility in Koramangala, the Honorable Chief Minister also got a walk-through of our top IoT solutions – CLIMO - Ambient Air Quality Monitoring System, Phantom, iTrams, iERO Smart Personalization, Bosch AMI/AMR Solution for EESL - Energy Efficiency Services Limited's Smart

Meter National Program (SMNP), Traffic Management Solution and Vivascope, by the RBEI JMT members @Swaminathan K(RBEI/SA), @Dattatri SR (RBEI/BE-DD RBEI/EDA) and @Sri Krishnan V (RBEI/BE-II).

A big shout out to Vishwas V S (RBEI/SAM-CS), @Uday HaleangadiPrabhu (RBEI/EDL), @Hemant S M (RBEI/PAI), @SahneyAnubha (RBEI/PAI), @Sharma Bhavesh (RBEI/EISRBEI/EIS1), @Pradeep T P (RBEI/EEG), @SriramBalasubramanyam (RBEI/EIS), @Kulkarni Amit (RBEI/PMO1-B5), @SivaprakasamSubramaniam (RBEI/EIS), @AtulDhanuka (RBEI/PAI-PD), @Aditya Muttur (RBEI/PAI-PD), @Phadke Amit Vijay(RBEI/BE-II),

@MadhumithaSwaminathan (RBEI/EHC) and @Vikrant Raghu (RBEI/EHC-VC) for showcasing their solutions during the walk-through.

With more than 20,000 associates, Robert Bosch in India is a powerhouse of technology and innovation. Engineers here are responsible for high-end technology innovation and delivering world-class solutions. But just as importantly RBEI and its engineers are committed to creating solutions that improve the quality of life. 

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EW

ELEVATOR WORLD

Issue 1, Volume 14

INDIA

GLE Expo 2021 Virtual

Exhibitions, webinars and more planned for global visitors to first-time event.

Trends for the New Normal

KONE Elevator India managing director discusses real estate sector.

Project of the Year 2021 Winners

The eight winning projects are featured.

Electrical Inspection and VT

Thetera Appachu (TA), chief electrical inspectorate to the Government of Karnataka, shares insights with your author (YP).

by Yash Pandya

YP: What is the significance of your role and responsibilities?

TA: The Electrical Inspectorate is a statutory body constituted under the provision of erstwhile Indian Electricity (IE) Act 1910 and came into existence in the State of Karnataka on October 1, 1957, consequent to the formation of IE Rules 1956. The Department of Electrical Inspectorate is working under the administrative control of the Department of Energy, Government of Karnataka. The chief electrical inspector is the head of the department and ex-officio additional secretary to the Government of Karnataka (Licensing) Department of Energy; chairman, Licensing Advisory and Examination Board; chairman, Cinema Operator Certificate Board; member, sectional committee on Bureau of Indian Standards for Lifts and Escalators; state inspector of lifts; and advisor to the government on electricity matters.



Appachu

In this fast-growing age, the main objectives are to ensure all electrical installations in the State of Karnataka are in general conformity with the safety provisions of relevant safety codes and standards with a specific intention to ensure the installation is electrically safe and to minimize danger to human and animal life, in particular, and damage to property, in general. The department is

entrusted with the responsibility of ensuring the safety aspects in generation, transmission, distribution and utilization of electricity. This is achieved by proper administration and effective implementation of relevant acts and rules.

YP: What is your strategy for managing inspection of more high rises, especially considering the pandemic, as their construction rates increase?

TA: There has been a significant increase in the number of high-rise buildings in the past decade, and the number of officers in the department is the same. So, I don't deny the fact that the burden on each officer has increased considerably. In this regard, a proposal has been made to the government to proportionately increase the number of posts in the department to meet this rising demand.

In a further effort to decrease this burden, while not compromising on the safety issues, the department has undergone many changes, in terms of technology. Most of its services are now online to minimize the intervention of human resources in day-to-day office activities. This has helped the

public to a very great extent, allowing them to submit applications, pay fees, track their applications and download the final safety certificates online. Thus, the need to physically visit an office to obtain the required safety-related services from the department is eliminated.

YP: What are the challenges you face while monitoring or supervising elevators in Karnataka? How can these be reduced or resolved?

TA: Erstwhile in Karnataka, the Karnataka Lift Act 1974 and Karnataka State Lifts Rules 1976 prevailed. Those were repealed by the Karnataka Lifts, Escalators and Passenger Conveyors Act 2012 and Karnataka Lifts, Escalators and Passenger Conveyors Rules 2015. There is also a 2017 amendment to said rules. Under them, officers of the department carry out inspections prior to commissioning and keenly monitor lift safety aspects periodically. During such inspections, if any observations are made with respect to lift safety, the owner of the installation will be informed in writing, to correct the problem(s) as top priority. If the owner fails to comply, necessary action will be initiated per the rules.

Earlier, many lifts in the border region of Karnataka were installed by freelancers who used to just install the lift and walk away (without getting necessary safety approvals). In such conditions, the owners of the installations were left in a state of dilemma whether to use the lift or not. Taking note of such circumstances, a provision was included under the 2012 act to bring all lift manufacturers and installers in the State of Karnataka under a single registration umbrella. Now, per the 2015 rules, it is necessary for all lift manufacturers and installers to obtain registration for lift erection and maintenance in the state. This change has considerably reduced its number of unauthorized lift installations.

YP: Many elevators in older buildings need refurbishment/ replacement to avoid accidents. What is your strategy for monitoring them and identifying those that need to do this on priority basis?

TA: In addition to the aforementioned action that will be initiated per the rules if the installation owner does not address safety issues found in yearly inspections, per the 2015 rules, all lift licenses older than 10 years need to be renewed. It is the responsibility of every installation owner to get his or her lift license renewed before continuing to use such lifts.

At the time of inspection during the lift license renewal process, the lift will be thoroughly checked for its compatibility with existing rules. Any requirement regarding refurbishment

KEMA Delegation Meets Appachu

A delegation of the Karnataka Elevator Manufacturers Association (KEMA), headed by State President Dr. Shobha Yaduraj, high court advocate, met Thetara Appachu, chief electrical inspectorate to the Government of Karnataka at his office at Nirmana Bhavan, Rajajinagar, Bangalore, when he took charge in November 2020. Yaduraj told ELEVATOR WORLD India:

"On behalf of the KEMA family, we wish Appachu [well] on assuming charge. We discussed important aspects regarding lifts and escalators. He has assured [us] he will have a face-to-face interaction with KEMA members whenever we invite him for a meeting. He has [also] assured [us] he will support us on important issues such as advertisements in the media for the public-awareness campaign stating lift installation should only be done by companies enlisted with KEMA."

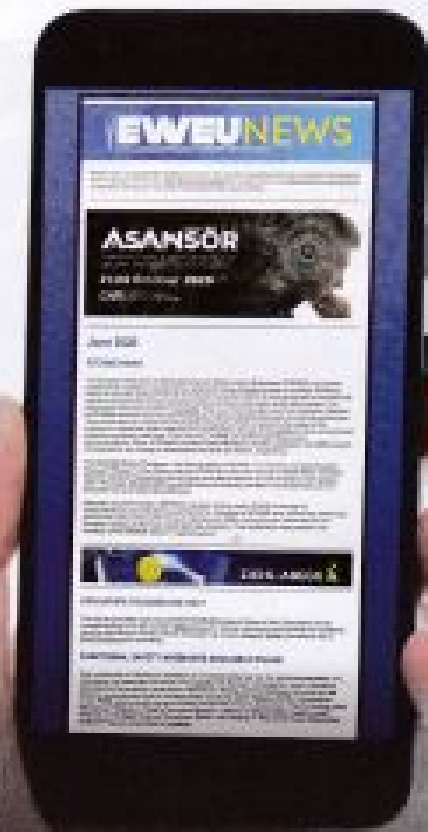


KEMA meets with (in purple) Thetara Appachu, chief electrical inspectorate to the Government of Karnataka

or replacement to bring such installations in line with the present standards will be suitably intimated to the owner.

YP: Do you feel having a common set of rules regulating the elevator industry all over India would be a positive step?

TA: The number of lift installations varies from one region to another. The congestion seen in metropolises may not be the same elsewhere. Also, the life of such installations varies depending upon the usage, as well as environmental conditions. Thus, I believe it should be the prerogative power of the state government to frame and monitor the set of rules regulating the elevator industry by analyzing such status from time to time. 🌐



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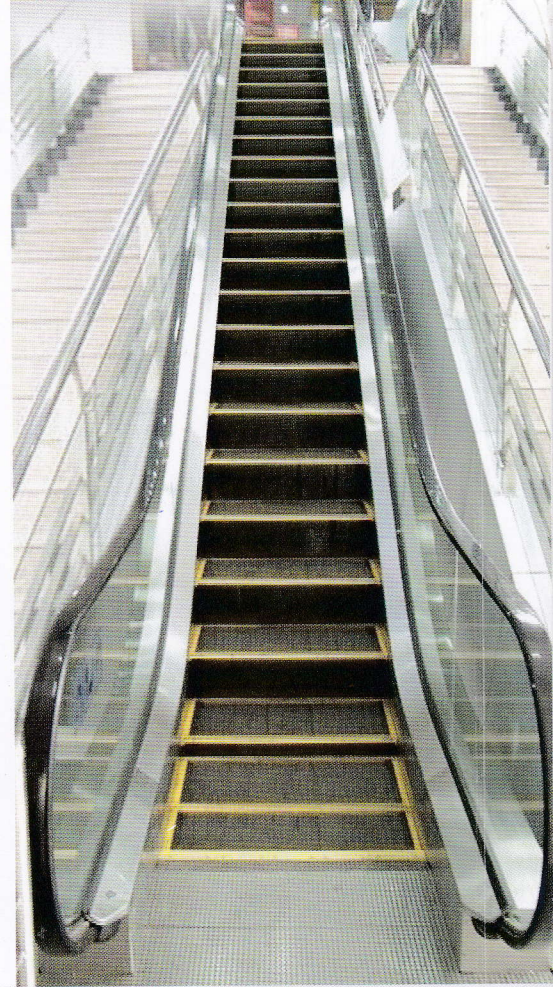


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