

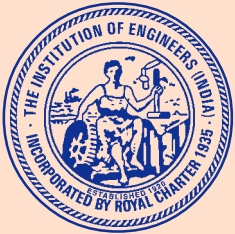
# Institution of Engineers (India)

T.N. STATE CENTRE

## BULLETIN

Chairman :  
Er. K.P. Ramanathan, FIE

Honorary Secretary :  
Er. D. Sundarasekaran, FIE



Vol. 15 : No. 4

July 2016

### From the Chairman's Desk....

Dear Engineers,

In this issue, I would like to highlight about the latest development in textile industries and also transport system in Chennai.

A **technical textile** is a textile product manufactured for non-aesthetic purposes, where function is the primary criterion. Technical textiles include textiles for automotive applications, medical textiles (e.g., implants), geotextiles (reinforcement of embankments), agrotextiles (textiles for crop protection), and protective clothing (e.g., heat and radiation protection for fire fighter clothing, molten metal protection for welders, stab protection and bulletproof vests, and spacesuits).

It is a large and growing sector and supports a vast array of other industries. The global growth rates of technical textiles is about 4% per year greater than the growth of home and apparel textiles, which are growing at a rate of 1% per year. Currently, technical textile materials are most widely used in filter clothing, furniture, hygiene medicals and construction material.

Four times a year, Technical Textile Markets provides an overview of the global **man-made fiber, nonwoven and technical textile** industries. It provides market data and analysis of new and established markets for technical textiles, and is essential reading for senior executives in (or supplying) the man-made fiber, nonwoven and technical textile sectors - as well as for those who are not involved in the industry on a day-to-day basis, but who need an **authoritative source** which helps them to quickly gain an **understanding of the key issues** facing the companies which are actively involved in this fast-growing sector.

**Chennai** is one of the most populous cities in India and is the Capital city of Tamil Nadu. Chennai houses 6 Million people in urban and including the suburban area holds close to 9 million people. Being a metropolitan city, Chennai grew quickly to make a mark on the world map. Chennai is a very huge city of around 1189 sq km of area and the govt has a huge responsibility of providing the necessary logistics to connect the lengths and the breadths of the city. They ensured enough wide roads, flyovers and other facilities like metro/trains are available, with a lot of ongoing projects.

Keeping in view, the Institution of Engineers (India), Tamilnadu State Centre is organizing an All India Seminar on "Latest development in technical textile and marketing of technical textile and apparel" on 22nd & 23rd July 2016 and One day workshop on "Safe & Efficient Transport System for Chennai" on 30th July 2016 to deliberate broadly by the subject matter experts during the seminar and workshop.

Thank you,

I will meet you again.

**Er K P Ramanathan**  
Chairman



### Talk on "Quality of Work Life"

28<sup>th</sup> May 2016



A technical guest lecture meeting was held on 28th May 2016 at 6.00 pm in IE(I), Tamilnadu State Centre auditorium. The topic of the day was on "Quality of Work Life". Er D Sundarasekaran, FIE, Honorary Secretary welcomed the gathering and introduced the Chief Guest Er D Kumar, FIE, Committee Member, Mechanical Engineering Division, Chennai. Er D Kumar delivered the lecture on the above topic with power point presentation.

In his lecture he stressed the importance of unify the four needs of the individual with the four needs of the organization. The four needs are survival, Growth & development, Relationship, Integrity & contribution. Also discussed the needs & factors affecting the quality of work life, strategies to improve quality of work life, objectives & benefits of quality of work life improvement programs, factors involved to implement the quality of work life improvement programs.

Now-a-days, there is no balance between the family and work life due to job pressure and conflicting interests and over-socialization that lead to too much of interest about the co-workers for satisfaction of their ego, creating

(contd. on page 4)

# The Institution of Engineers (India) - TAMILNADU STATE CENTRE

## NOTICE FOR ELECTION TO COUNCIL

To  
All Corporate Members Attached to Tamilnadu State Centre

In pursuance to the notification issued by the Secretary & Director General of the Institution of Engineers (India) to elect one Corporate Member to the Council from the Tamilnadu State Centre for the Sessions 2016-2018 & 2018-2020 under Bye-law 4(a)(iii) and Regulation 13, as the Convener of the Board of Scrutineers, duly constituted by the Committee of Tamilnadu State Centre to conduct the aforementioned election, call upon you to propose a Corporate Member as a candidate for the Election so as to reach the Convener, Board of Scrutineers of the Office of the Tamilnadu State Centre, 19 Swami Sivananda Salai, Chepauk, Chennai 600005 **not later than 5.00 pm on 22nd July 2016.**

The proposal, to be valid, must contain the names, membership grades and numbers of both the proposer and the proposed Corporate Member together with the written consent of the proposed Corporate Member to serve on the Council, if elected. The Proposer shall also submit, an acceptable proof of his/her identity, viz PAN Card or Driving License or Photo ID Card issued by State / Central Govt. bearing his/her signature or Photo ID Card of the IEI bearing his/her signature or first page of his/her passport duly self attested. The format of nomination is enclosed.

Only one proposal can be submitted by a Corporate Member.

If desired, a proposer may submit along with his/her proposal, information regarding the proposed Corporate Member signed by him/her (proposed Corporate Member). Such information shall be limited to 100 words for circulation along with the Voting **Ballot** Paper. The Board of Scrutineers shall have the right to audit the details to restrict the matter within stipulated limit of words. The aforesaid information, if not sent along with the proposal shall not be subsequently accepted for circulation. The information will be published as received and the Board of Scrutineers shall not be responsible for correctness or otherwise of such information.

Retiring member is eligible for re-election.

**Dr T S THANDAVAMOORTHY**

Convener

Board of Scrutineers for Election of one Corporate Member  
To the Council from Tamilnadu State Centre  
For the Sessions 2016-2018 and 2018-2020

Date: **6 July 2016**

### MEMBERS OF BOS:

1. Dr R Thirumalai
2. Er V Senthil Kumar
3. Er S Selvaraj
4. Er V S Sriraja Balaguru

### FORMAT OF NOMINATION

(To be sent by Registered/Speed Post Only)

To  
The Convener  
Board of Scrutineers  
The Institution of Engineers (India)  
Tamilnadu State Centre

Dear Sir

Sub: **Election to the Council from Tamilnadu State Centre for the Sessions 2016-18 and 2018-20**

I hereby propose the name of Dr / Prof / Mr. / Ms \*..... Membership No. F / M / AM .....  
for the above mentioned election from the Tamilnadu State Centre for the sessions 2016-18 and 2018-20.

I hereby submit photocopy of duly self-attested of my PAN Card / Driving Licence / Photo ID Card issued by State/Central Government bearing my signature or Photo ID Card of the IEI bearing my signature / first page of my passport as proof of my identity.

Thanking you,

Yours faithfully,

Signature of the proposer .....

Name : .....

Division : .....

Membership No: F/M/AM \*.....

Date : .....

### DECLARATION OF CANDIDATE

- I do hereby agree to serve the Council, if elected. I declare that there are no proceedings by the Council or the Ethics Control Board against me.

Signature of the Candidate .....

Name:.....

Division:.....

Membership No. F/M/AM\*.....

Date: .....

Self-attested necessary ID Card in my respect is enclosed.

\* **Strikeout which ever is not applicable**

**The Institution of Engineers (India) - TAMILNADU STATE CENTRE**  
**NOTICE FOR ELECTION FOR COMMITTEE FOR THE SESSIONS 2016-17 & 2017-18**

To  
All Corporate Members Attached to Tamilnadu State Centre

Be it known that the members of the Committee of Tamilnadu State Centre of the Institution of Engineers (India) shall retire at the ensuing Annual General Meeting of the said Tamilnadu State Centre. As per Regulation 25, it has become necessary for the Corporate Members on the roll as on 31.03.2016 attached to the Tamilnadu State Centre and the various Divisions duly established to elect from amongst themselves to the Committee for the sessions 2016-17 and 2017-18 to fill the vacancies in each Division as follows:

Aerospace Engineering Division	: 1	Computer Engineering Division	: 1
Mechanical Engineering Division	: 3	Agricultural Engineering Division	: 1
Electrical Engineering Division	: 2	Metallurgy & Materials Science Engg. Division	: 1
Architectural Engineering Division	: 1	Electronics & Telecom. Engg. Division	: 2
Mining Engineering Division	: 1	Chemical Engineering Division	: 1
Environmental Engineering Division	: 1	Production Engineering Division	: 1
Civil Engineering Division	: 3	Marine Engineering Division	: 1
Textile Engineering Division	: 1	<b>TOTAL NUMBER OF SEATS</b>	<b>: 21</b>

I, on behalf of the Board of Scrutineers duly constituted by the Committee of the Tamilnadu State Centre, call upon you to propose name(s) of Corporate Members from the same Division and submit your proposals to the Convener, Board of Scrutineers, at the office of the Tamilnadu State Centre, 19 Swami Sivananda Salai, Chepauk, Chennai 600005 **not later than 5.00 pm on 22nd July 2016.**

Please note that the proposal, to be valid, must contain respective names, Membership grades, numbers and Divisions of both the proposer and the proposed Corporate Member(s) together with the written consent and self declaration of the proposed Corporate Member(s) (along with a brief biodata of the candidate/s not exceeding 100 words) as per the number of vacancy/vacancies as mentioned against each Division as stated above. The format for nomination is enclosed. If the bio-data exceeds 100 words, it will be abridged.

All retiring Committee Members are eligible for re-election.

**Dr T S THANDAVAMOORTHY**  
Convener

Board of Scrutineers for Election of one Corporate Member  
To the Committee of Tamilnadu State Centre  
For the Sessions 2016-2017 and 2017-2018

Date: **6 July 2016**

**MEMBERS OF BOS:**

1. Dr R Thirumalai      2. Er V Senthil Kumar      3. Er S Selvaraj      4. Er V S Sriraja Balaguru

**FORMAT OF NOMINATION**  
**(To be sent by Registered/Speed Post Only)**

To  
The Convener  
Board of Scrutineers  
The Institution of Engineers (India)  
Tamilnadu State Centre

Dear Sir,

**Sub: Election to the Committee of Tamilnadu State Centre for the Sessions 2016-17 and 2017-18**

I hereby propose the name of Dr / Prof / Mr. / Ms \*..... Membership No. F / M / AM ..... from.....Engineering Division for the above mentioned election to the Committee of the Tamilnadu State Centre for the sessions 2016-17 and 2017-18

I hereby submit photocopy of duly self-attested of my PAN Card / Driving Licence / Photo ID Card issued by State/Central Government bearing my signature or Photo ID Card of the IEI bearing my signature / first page of my passport as proof of my identity.

Thanking you,

Yours faithfully,

Signature of proposer .....

Name : .....

Division : .....

Membership No: F/M/AM \*.....

Date : .....

**DECLARATION OF CANDIDATE**

- I do hereby agree to serve the Committee, if elected. I declare that there are no proceedings by the Council or the Ethics Control Board against me.

Signature of the Candidate .....

Name:.....

Division:.....

Membership No. F/M/AM\*.....

Date: .....

Self-attested necessary ID Card in my respect is enclosed.

\* **Strikeout which ever is not applicable**

**Talk on “Quality of Work Life”** (contd. from page 1)

problems in the minds of neighbors. The definition elaborately states that Quality of Work Life includes an opportunity to exercise one’s talents; an activity thought to be worthwhile by the individuals involved; an activity in which one understands the role of the individual plays in the achievement of some overall goals; and a sense of taking pride in what one is doing and in doing it well.

Quality of Work Life refers to the level of satisfaction, motivation, involvement and commitment, individuals experience with respect to their lives at work. Also it is the degree to which individuals are able to satisfy their important personal needs while employed by the firm.

Quality of work life provides for the balanced relationship among work, non-work and family aspect of life. In other words family life & social life should not be strained by

working hours including over-time work, during inconvenient hours, business travel, transfer, vacation etc. Quality of work Life is a Person’s life. It covers a person's feelings about every dimension of work including economic rewards and benefits, security, working condition, Organizational and interpersonal relations and its intrinsic meaning in person's life.

An assured good Quality of Work Life will not only attract young and new talent but also retain the existing experience talent. Quality of work life is a concern not only to improve life at work, but also life outside work. Finally the Quality of Work Life depends on the individual's behavior & attitude.

Er D Sundarasekaran, FIE, Honorary Secretary presented the memento to the Chief Guest. Er D Kumar, FIE and proposed the vote of thanks. About 30 members participated in the program.

**TECHNICAL PROGRAMME FOR JULY 2016**

**Lecture:** 6.00 p.m.

**Venue:** IE (I) Auditorium (Unless mentioned otherwise)

**Tea:** 5.45 p.m.

- 14<sup>th</sup> July 2016** Talk on “**Advanced Structural (Concrete/Steel/Dynamics) Analysis using Finite Element Methods**” by **Javier Marcelo Mora**, M.Sc. Civil Engineer, Research & Development Department, Spain.
- 22<sup>nd</sup> & 23<sup>rd</sup> July 2016** **All India Seminar on “Latest Developments in Technical Textiles and Marketing of Technical Textiles and Apparels”** by **Dr V Natarajan**, FIE, Committee Member, Textile Engineering Division, IE(I), TNSC at Bannari Amman Institute of Technology, Sathyamangalam, Erode.
- 27<sup>th</sup> July 2016** Talk on “**Process Instrumentation, Control and Automation**” by **Dr U Ramachandraiah**, FIE, Committee Member of Electronics and Telecommunication Engineering Division, IE(I), TNSC and HOD (E&T) Dept, Hindustan University, Padur, Chennai.
- 30<sup>th</sup> July 2016** One day Workshop on “**Safe & Comfortable Transport System for Chennai**” to be organized by **Er K P Sathyamurthy**, Convener and Committee Member of the Civil Engineering Division and **Dr V Natarajan**, Convener and Committee Member of the Textile Engineering Division.

Licensed to post without pre-payment

Posted on: 6<sup>th</sup> July 2016

Posted at: Egmore RMS (Patrika)

## Bulletin

IF UNDELIVERED RETURN TO:

The Institution of Engineers (India)

Tamilnadu State Centre

19, Swami Sivananda Salai

Chepauk, Chennai – 600 005.

Phone: 044-25360614 / 25369433

E-mail: ieitamilnadu@gmail.com / tns@ieindia.org Website: [www.ieitamilnadu.org](http://www.ieitamilnadu.org)