



Vol. XVII No. 3

March 2017

iei.plc.news

NEWSLETTER

The Institution of Engineers (India)

97 YEARS OF RELENTLESS JOURNEY TOWARDS ENGINEERING ADVANCEMENTS FOR NATION BUILDING"

Dr. Girish Mundada, FIE, Chairman
Er. Avinash Nighojkar, MIE, Hon. Secretary

PUNE LOCAL CENTRE

Editor -Er. VN Shinde, MIE

FROM THE SECRETARY'S DESK



Dear Members,
We are now in the month of March; the only month in the international Calendar that rouse one to 'March-ahead'. So, we plan our 'March' in this month to be reflected in the form of the Annual Budget- may it be the Nation, the State or a Local Self Govt.

We have to 'March-ahead' towards the goals set by the Vision & Mission document of the IE(I).

India has attained a very high position in the world when ISRO launched 104 satellites in space on 15/02/2017. This is an unparallel event fulfilling PM's 'Make in India' dream. The IE(I) congratulates the 'ISRO- TEAM'.

T = Together
E = Everyone
A = Achieves
M = More

At Pune Centre, we have organized 3 programmes in this month- namely, National Safety Day, World Women's Day and World Water Day. The details are shown on page no.8.

All the members are requested to attend these events in large numbers.

Thanking you,
Er. A. K. Nighojkar

CONGRATULATION ISRO

Indian Space Research Organization's Polar Satellite Launch Vehicle PSLV-C37 launched 104 satellites into the space using a single rocket. 104 satellites included 103 nano satellites and 1 weather observation cartosat-2 series satellite of India. It was a successful launch without any conflict and inot accurate path. It is a century of ISRO in the space and a record in itself.



Successful Launch on Wednesday, 15th February 2017 from Sriharikota Launch Pad.

REPORT ON "OPEN FORUM DISCUSSION"

ON 3RD FEB.'17," OPEN FORUM DISCUSSION" was held in Firodia Auditorium of PLC on the topic-"PUNE METRO-RAIL PROJECT.

The event was organised by Pune Local Centre of IE[I] jointly with Ma Vi Pa-Pune Region.

The Discussion was lead by Mr. D M Bhat, former Visiting Faculty of Indian Railway's Training Institute, who posed '**Questions**' to the **PANELISTS** .The Panelists on the dais were: **Dr. Ketan Gokhale**, Former MD Konkan Railway,**Er.V.B.Gadgil**,Former MD of L&TMetro Rail(Hyderabad)Ltd. and **Ar.Anagha Paranjpe - Purohit**,Town Planning expert.

The dais was shared by Er. A. K. Nighojkar,Hon. Secretary-PLC, Er V N Shinde-Im. Past Hon.Secy.PLC and Er. YH Gharpure, President, Ma Vi Pa Pune Region.

After the welcome address of Er.Nighojkar and Er. Gharpure, Mr.Vilas Rabade, introduced all the Guests.

The 125-capacity Auditorium being packed to capacity, additional seating arrangements were provided outside the hall. Among the invitees, prominent persons --Padmashri Arun Firodia,FIE,Mr.Srinivas Bonala,Chief Engr-Metro, Pune Municipal Corporation,Er.Rajendra Mahulkar,renowned Consultant,Mr.Vivek Velankar of 'Sajag Nagri Manch' an activist NGO,Mr. R N Gohad, representative of Citizen Forum, Mr. Ramesh Rao of COEP Alumni Association, etc-were present along with several Office bearers & Members of PLC and Ma Vi Pa. It was quite heartening to note that more than 2/3 audience had turned out due to pre-publicity in Local Media.

After the full length discussions, a Q & A session took place, where in several queries were answered by the Panelists.

However due to time constraint a few questions could not be dealt with.But the panel will prepare a summary of all the comments and reactions received.

Before concluding the event, Mr. Bhat, Co-ordinator , sought the consensus of the audience,which was **Positive & in support of the Project** but with certain expectations of giving priority to public convenience and economy.

On behalf of Pune Local Centre, Er. V. N. Shinde presented memento and floral bouquet to all the dignitaries on the dais. On behalf of Ma. Vi.Pa., Er. Gharpure presented books to the guests.

The event was anchored by Er.V. N. Shinde and Vote of Thanks was proposed by Mr. Vinay R R of Ma Vi Pa.

The above program was conducted in Marathi. There was wide coverage in the local news papers after the event. Paper clips are reproduced in this bulletin else where.



On the Dais L to R- Mr. Bhat, Dr. Gokhale, Er Gadgil, & Ar. Mrs Paranjpe

सारासार विचारातून मेट्रोबाबत सुवर्णमध्य काढावा

पुणे । प्रतिनिधी

पुणेतील वाहतूक व्यवस्थेवर वेगळा दृष्टांत एक मसाला व सुयोग्य मेट्रो रेल्वे प्रणाल्याची आवश्यकता आहे. जगाची चर्चा लक्षात घेता ही मेट्रो भविष्य काळातच उपलब्ध होऊ शकते. पुणे शहरातील वाहतूक व्यवस्था सुधारणेसाठी मेट्रो प्रणालीची आवश्यकता आहे. जगाची चर्चा लक्षात घेता ही मेट्रो भविष्य काळातच उपलब्ध होऊ शकते. पुणे शहरातील वाहतूक व्यवस्था सुधारणेसाठी मेट्रो प्रणालीची आवश्यकता आहे. जगाची चर्चा लक्षात घेता ही मेट्रो भविष्य काळातच उपलब्ध होऊ शकते.



मेट्रोचे माजी व्यवस्थापकीय संचालक विवेक गाडगीळ, भारतीय रेल्वे उच्चमंडळी प्रतिष्ठान संस्थेतील उच्चिष्ठेच्या प्रमुख अतिथी आर. व्हाट्सन यांच्यासोबत मेट्रोबाबतचा एक दिवसीय प्रशिक्षण कार्यक्रम पुणे येथे आयोजित करण्यात आला आहे. या कार्यक्रमात मेट्रोबाबतचा एक दिवसीय प्रशिक्षण कार्यक्रम पुणे येथे आयोजित करण्यात आला आहे. या कार्यक्रमात मेट्रोबाबतचा एक दिवसीय प्रशिक्षण कार्यक्रम पुणे येथे आयोजित करण्यात आला आहे.

डॉ. केतन गोखले म्हणाले, मेट्रो प्रकल्प शहरातील मोजक्या लोकांसाठी उभारला जात आहे. वेगळे, विशेषतः इतर अनेक गोष्टींवर अधिभार नसताना असे, तो सध्याच्याच काळात उभारला जात आहे. मेट्रो प्रकल्प अजूनही बांधणीच्या प्रारंभिक टप्प्यात आहे. मेट्रो प्रकल्प अजूनही बांधणीच्या प्रारंभिक टप्प्यात आहे. मेट्रो प्रकल्प अजूनही बांधणीच्या प्रारंभिक टप्प्यात आहे.

Seminar on Pune Metro project

EXPRESS NEWS SERVICE
PUNE, FEBRUARY 5

The discussion focused on the necessity of the Metro system

Suburban services run by Indian Railways in metro cities are a legacy of the past. Overall, the ground reality in Pune does not justify a metro system.

THE INSTITUTION of Engineers, Pune Local Centre and Marathi Vidnyan Parishad have jointly organised an Open Forum Discussion on Pune Metro project at the Fimda Auditorium of the Institution on Saturday. Dr KK Gokhale, Former MD of Konkan Railway, V B Gadgil, Former MD of L&T Metro Rail (Hyderabad) Ltd., DM Bhat, visiting faculty at Officers Training Institutes of Indian Railways, and Anagha Paranjape Purshit, Town Planning Expert, participated as main speakers. While Yashawant Gharpure was present as the President of Marathi Vidnyan Parishad, Vasant Shinde, former Hon Secretary represented the institution.

subsequently increased population, effect of 4FSI on civic utilities and facilities, effect of metro alignment through the river bed on environmental issues, cost of project and return on investment, among others. Dr Gokhale said, "The metro project will benefit only a small percentage total of population. However, the cost will be recovered through various additional taxes, to be paid by all residents. There is no planning for vehicle parking facilities at metro stations. There is no satisfactory and cogent explanation for selecting Vanaz - Ramwadi route. Because the metro facility is confined to a very specific area and a small group of people, Indian Railways did not show any inclination in undertaking such projects.

On the other hand, Gadgil stated that metro is an integral part of the infrastructure of any city and hence needs to be planned with long term projections, perhaps for next 30 to 35 years. Any difficulties encountered as the project progresses have to be overcome on the foundation of technical, economic and social basis. Mere discussion of anticipated difficulties will never see the project completed except only on paper. Purshit commented on some social aspects of the project and said a large number of social activists in Pune who according to their views raise some objections to such projects. However, one needs to find a golden mean with a balanced approach to satisfy concerns of majority of citizens.

The discussion focused on necessity of metro system, whether elevated or underground. www.indianexpress.com

The Indian EXPRESS, 05 February 2017

paper.indianexpress.com/c/15644856



मेट्रो प्रकल्पासाठी पुणे शहराची परिस्थिती अनुकूल नाही

पुणे, दि. ५ (प्रतिनिधी) - मेट्रो प्रकल्प शहरातील मोजक्या लोकांसाठी उभारला जात आहे. त्याचा पेट्रोल, डिझेलसह इतर अनेक गोष्टींवर अधिभार लागणार आहे. मेट्रो स्टेशनवर वाहनतळांचे नियोजन नाही. त्यामुळे शहराची सध्याची परिस्थिती मेट्रो प्रकल्पासाठी अनुकूल नाही, असे मत वाहदूक आणि रेल्वेतज्ज्ञानी चर्चासत्रात व्यक्त केले.

नगर रचनातज्ज्ञ अनघा परांजपे-पुरोहित आदी सहभागी झाले होते. परिषदेचे कार्यध्यक्ष यशवंत घारपुरे, संस्थेचे सचिव निचोळकर, संयोजक वसंत शिंदे, विनय र. र., अरुण फिरोदिया, श्रीनिवास बोनाला उपस्थित होते. विवेक गाडगीळ म्हणाले, मेट्रो उभारताना पायाभूत सुविधांचा ताण येईल. तांत्रिक, आर्थिक आणि सामाजिक मुद्दे लक्षात घेऊन यातून मार्ग काढावा.

चर्चासत्रात तज्ज्ञांचे मत

अनघा परांजपे म्हणाल्या, कोणत्याही प्रकारच्या पायाभूत सुविधा उभारताना त्रास, खर्च होणार असतो. मात्र, खर्च होतोय म्हणून त्या सुविधा उभारायच्या नाहीत, असा विचार योग्य नाही. वसंत शिंदे यांनी सूत्रसंचालन केले. यशवंत घारपुरे यांनी प्रास्ताविक केले. विनय र. र. यांनी आभार मानले.



Er.Nighojkar, welcoming Guests



Mr.Gharpure presenting Welcome address



Mr.Rabade introducing Panelists



Mr.Vinay R R presenting Vote of Thanks

Synopsis of Meeting held in PCMC on Preparations of the Implementation of Smart City Proposal @ 4 pm on Tuesday 28 Feb 2017

At the invitation of the City Engineer, PCMC addressed to the Chairman, Institution of Engineers (India) Pune Local Centre, Immediate past Hon. Secretary of IEI-PLC Er V.N. Shinde & Er Rajendra Mahulkar, FIE were deputed to represent the IE (I) PLC to participate. The meeting in the conference room was chaired by Er Ambadas Chavan, City Engineer. After welcome and brief introduction of the purpose of the meeting by Er Chavan, Mr Nilkanth Poman, Chief Information & Technology Officer, PCMC appraised of the preparations made by the PCMC so far having its selection in the shortlist of first 100 Smart Cities in India and appointment of the CRISIL as its Consultant to do needful. Hrydhal Damani, Associate Director (Urban Infrastructure Advisory) & Mr Sameer Palparti, Manager of CRISIL made the power point presentation of various aspects of Smart City Proposal for the PCMC under planning for Rs 1,000 cr investment between FY 2015 – 16 to FY 2019 – 20. The presentation was attributed to needs and aspirations of the city in 22 different categories, identified aspects of issues in SWOT (Strength Weaknesses Opportunities & Threats) Analysis, key locations in city required for development, nature of interventions / transformations at select locations. This assessment, analysis and inferences will be used as priority investment options in the target period. Besides, presentation also methodology of selection of Area Level Model Development at first step later to be expanded for PAN City Development. Er Shinde assured full support of the collective wisdom, experience and expertise of the PLC of the IE (I) and introduced Er Mahulkar for the comments cum observations. Er Mahulkar complimented the engineering depts. Of the PCMC for the progress made so far while stressing on need for exposure to and direct interactions with the local stakeholders for success stories and invitation to suggestions from them for further improvements / modifications. Er Mahulkar brought out various incidents in India and in the other advance countries of the success stories with the public participatory continual approach. While identifying and elaborating reasons for the first five priority features from amongst twenty two, Er Mahulkar identified the following:

- I. Citizen Participation
- ii. Vibrant Economy
- iii. Excellent Transportation and Mobility
- iv. Intelligent Govt Services
- v. Safety

As regards the key strengths of the PCMC, Er Mahulkar explained politically vibrant & conscious citizenship, intelligent municipal services in place, waste water management and improved conditions of traffic & transportation. Er Mahulkar emphasized need for a difficult mixed residential cum commercial densely populated section with large unauthorized constructions as the first Area Level Planning & Development Block as a show case how complex issues can be addressed and attended in a concept of the Smart City. Er Mahulkar suggested need for workable generally acceptable and feasible policies for reduction in densification for balanced growth, local area integrated development and land use planning and development concurrent with the DP (Development Plan) and cohesive DCR (Development Control Rules) to facilitate sustainable development as to be certified by the stakeholders in terms of livability. Mr Mahulkar also stressed on framing of Hawkers and Abatement of Unauthorised Constructions taking citizens in to confidence with proper recourse of dialogue mechanism. About 30 other participants were present for the deliberations. Er Chavan, City Engineer specially acknowledged presence and active participation of the IE (I) PLC.



Seen R-L Er Chavan, City Engineer PCMC, Er. VN Shinde, Er Mahulkar, Mr Poman & Mrs Damani

Glimpses of Open Forum Discussions



NEWS IN BRIEF

Prof. K K Ghosh gave a presentation on IEI Awareness at Pimpri Chinchwad Polytechnic, Akurdi on 2nd Feb. 2017. During this presentation he informed the students about IEI & its activities at Kolkata - HQ. and Pune Local Centre. He also enlightened the students the advantages of opening Students' Chapter at the College. He further explained the procedure for AMIE Registration, Exams, Refresher Courses having experienced Faculty at PLC.

A two day Proficiency Development Programme on Quality Management for Faculty members and students was organised by the Students' Chapter of Mechanical Engineering Department of Pimpri - Chinchwad College of Engineering, Akurdi on 26-27 February 2017. Prof. KK Ghosh graced the inaugural function of this programme on 26 February 2017 as Special Invitee of IEI PLC

ACTIVITIES OF PTC AT PLC

Screening of Technical Movie

Report: Technical Movie

Screening of Technical movie was organized by Pune Technicians Chapter, PLC on 6th Feb 2017 in Firoida Auditorium , IEIPLC on "URBAN TRANSPORT".

In the era of rapid Urbanization smart, efficient, speedy and economic Urban Transport is need of the time. Now a days Indian cities and towns are facing burden of traffic choking vital arteries of cities.

To attract attention and create awareness of much necessitated means of Urban Transport in this technical movie documentaries focusing on

- 1) BRT Ahmadabad
- 2) Delhi Metro Project (DMRC)
- 3)Pune Metro

were screened.

This program was organized by Mr. Rohit Pawar, PTC Member, with the help of Er.Harshvardhan Devkate, PLC Committee member and Mr. Manoj Cheke, Secretary, PTC with a strong support of Dr. Girish Mundada, Chairman, PLC and Er. Avinash Nighojkar, Hon. Secretary, PLC.

BLOOD DONATION CAMP

Report - Blood Donation Camp

Blood donation camp was organized by the 'Pune Technicians Chapter', PLC on 19th feb 2017, Sunday at Pune local centre on the auspicious occasion of "Chatrapati Shivaji Maharaj Jayanti".

This initiative for noble cause was taken by Mr. Rohit Shinde(PTC Chairman), Mr. Manoj Cheke(PTC Secretary) with support of Er. Harshvardhan Devkate(PLC Committee Member).

We are thankful to all the donors who donated blood which will surely help the needy ones. All the arrangements were done by "OM BLOOD BANK" and well supported by PLC staff & PTC members. Total '55' volunteers donated blood. PLC Chairman Dr. Girish Mundada and PLC Secretary Er. Avinash Nighojkar supported and encouraged the organising PTC Team.



NEWS IN BRIEF

Inter Active Session for newly elected Chairmen and Hon. Secretaries from all centres of IEI was organised at Hyderabad on 19th Feb. 2017 by the Engineering Staff College of India -ESCI.

During the Inter Active Session, Mr. D.M. Reddy, Director, ESCI, informed that the Local Centres can organise / conduct short term courses with the help of ESCI.



PLC Chairman, Dr. G. S. Mundada and Hon. Secretary Er. A. K. Nighojkar are seen receiving the Certificates at the hands of Maj. Gen. (Retd.) Bhattacharya -S & D G of IE (I).

Hon. Secretary Er. A. K. Nighojkar, Prof. KK Ghosh & Mr. Waghmare, Library in Charge visited the Unit of Mahle Behr India Ltd. Chakan, on 16th February 2017, manufacturers of Automobile parts .They are also leading manufacturers in the field of Air Conditioning and Engine Cooling Systems. Ms. Nanda Talgatti (Dixit) organised the visit to brief the employees on the courses available at Pune Local Centre.

The team from PLC explained all the details of AMIE & Membership of IEI, the advantages and facilities of membership etc.

The session was attended by about 30 young Engineers - Diploma Holders. It was interesting to note that 1/3 of the presentee were Lady Engineers.The visit was fruitful, 9 Engineers showed interest and filled the forms for ST.

The management of the company was assured by PLC team that if about 50 eligible employees were to enroll, PLC would impart AMIE guidance at the company premises.

Er. Nighojkar and Prof. KK Ghosh had done sufficient spade work to organise the above programme. Mr. Vinod Razdan, GM HR, Mahle Behr India Ltd. showed keen interest in inviting PLC Team to Chakan Unit.



FORTHCOMING PROGRAMMES

Day & Date	Time	Program	Convener / Co Ordinator
04/03/2017 Saturday	06:30 PM	National Safety Day	Er. D. B. Dhone Er. H. K. Devkate
10/03/2017 Friday	06:30 PM	World Women's Day Chief Guest : Mrs. Rashmi Urdhwareshe Director ARAI, Pune Topic : Future Trends in Automobile	Prof. Veena Gore Prof. Rujuta Desai Er. Shubhangi Chiplonkar
21/03/2017 Tuesday	06:30 PM	Monthly Lecture - MaViPa	Hon. Secretary PLC & / Er. Deputed by Secretary
22/03/2017 Wednesday	06:30 PM	World Water Day Theme : WASTE WATER	Prof. RV Saraf

ON THE OCCASION OF WORLD WOMEN'S DAY WE SALUTE ALL THESE LADIES.

Do You Know These Women ? These three Women Scientists Helped India Reach Mars in the very First Attempt



1. Ritu Karidhal, mother of two worked on most weekends, brainstorming with ISRO engineers



8. Tessy Thomas - the missile woman of India who headed the Agni IV and Agni V mission



2. Moumita Dutta - read about the Chandrayaan mission as a student, now works as a Project Manager for the Mars Mission



5. N Valarmathi - led the launch of India's first indigenously developed the radar imaging satellite, the RISAT-1



3. Nandini Harinath - her first job was at ISRO and 20 years later there is no looking back



6. Minal Sampath, worked 18 hours a day for the Mars Orbital Mission



4. Anuradha TK - As a Geosat Programme Director, she is the senior-most woman officer at ISRO



7. Kriti Faujdar - computer scientist who works at the Master Control Facility, keeping satellites in their proper orbits

