



77th ANNUAL SESSION
INDIAN ROADS CONGRESS

15-18 DECEMBER 2016, HYDERABAD (TELANGANA) INDIA



ORGANIZED
BY



GOVERNMENT OF TELANGANA,
ROADS AND BUILDING DEPARTMENT

YOUR HOST

WELCOME TO HYDERABAD, TELANGANA

Telangana is the 29th state of India, formed on the 2nd of June 2014. Hyderabad, the capital of Telangana, the Royal City of Nawabs, situated along the banks of River Musi was established in 1591 by Md. Quli Qutb Shah. The emergence of pharmaceutical and bio-technology industries in 1990 led to Hyderabad, a cosmopolitan naming as India's "Genome Valley" and nicknamed, "the City of Pearls". There is everything for every delegate in and around Hyderabad and its twin city of Secunderabad.

DIVINE DESTINATIONS

Birla Mandir was built with white marbles in 1976, dedicated to Lord Vishnu present in the form of Sri Venkateswara. In the evening, Birla Mandir presents a spectacular sight upon illumination.



Balkampet Yellamma Temple is dedicated to Goddess Yellamma considered as an incarnation of Goddess Kali that literally means 'mother of the universe'. Devotees offer animal sacrifice here.



Peddamma Temple, according to the legend, Lord Shiva, the supreme ascetic, when disturbed by the hostility opened his third eye, which led to the unleashing of fire of doom. Even this couldn't arrest Mahishasura's march. At that moment, a bright stream of lightning dazzled from the mouths of the creator Brahma, in the form of Goddess Brahmi. Simultaneously, the powers of all the other gods became taking one female form as Mahishasura Mardini, Durga, who killed Mahishasura with her bare hands.

HERITAGE SPOTS



Charminar is synonymous with the history of Hyderabad. The historic Mecca Masjid made of granite is located near Charminar, modeled the Grand Mosque in Mecca.



Salarjung Museum has a unique distinction as the third largest museum in India and has a worldwide fame for its biggest one-man collections of antiques.



Falaknuma Palace, a visit to it is like walking into the heavens. Chowmahalla Palace is a replica of Shah's Palace in Teheran, Iran, built in 1860s.



NATURE DISCOVERY



Hussain Sagar Lake, the Tank Bund excavated in 1562 AD is dotted with elegant statues of eminent historic personalities such as Nannayya, Tikkana, Molla, Sri Sri, Jashua, Annamayya, Tyagayya, Vemana Errana, Rudramma, and Pingali Venkaiah greeting you warmly. A monolithic white granite Buddha statue, 16 meter tall and weighs 350 tonnes was installed in the middle of the Lake, which is brilliantly silhouetted against the sunset and finds place among the tallest statues of the world.

WILD LIFE



KBR National Park is named after former Chief Minister Kasu Bramhananda Reddy has the magnificent Chittan Palace of the

former Nizam of Hyderabad and a variety of flora and fauna. **Nehru Zoological Park** is one of amongst the best zoos in Asia provided with the Lion Safari.



ADVENTURES

Shilparamam Village, the Disneyland of ethnic Indian village feeling. A must-see place when in Hyderabad, Shilparamam is an arts and crafts exhibition hub, replete with greenery and is set in the midst of cascading waterfalls gardens and natural rock heights.



CLIMATE

The tropical wet and dry climate of Hyderabad attracts tourists and professional all over the world. **The December, the coldest month has temperatures varying from 14.5°C to 28°C.**

ABOUT INDIAN ROADS CONGRESS (IRC)

The IRC is *not for profit* Society provides a NATIONAL FORUM for sharing of knowledge and pooling of experience on the entire range of subjects relating to highway sector. The objectives of the IRC are:

- ✦ to advise the legislation and provide a channel to pool collective wisdom in endeavoring towards the commitment of **“waste to wealth(W2W)”** and to promote and encourage the excellence for building the road infrastructure conforming to the cutting edge clean techniques; use of indigenously available new/innovative materials; to formulate and promote the use of standard specifications/guidelines **uniformly through-out the country** for planning, design, construction, operation & maintenance of roads, bridges, tunnels and road transportation.
- ✦ to promote efficient and well-integrated transport system aiming at zero road crash fatalities and contribute to the economic growth and quality of life by enhancing mobility and delivery safe and secure.
- ✦ to align itself to global initiatives for promotion of cleaner construction techniques, use of recycled wastes; minimize drawing of natural resources in order to earn **Carbon Credit**.
- ✦ to **pool knowledge** (Library and Museum) with exchange facility through web to the reputed national and international organizations.
- ✦ to promote R&D activities aiming at twin commitment of **“waste to wealth(W2W)” and Zero road crash fatalities**.
- ✦ To endeavor for imparting **training of unskilled construction workforce**.
- ✦ To **publish** the updated/new IRC guidelines and reports of conferences/meets through IRC Codes, periodicals (monthly Indian Highways, quarterly journals); State of the Art Reports (SOAR) for the promotion of the objectives of IRC.

The Congress has relentlessly strived to achieve these objectives and fulfil its charter.

THE THEME OF THE 77TH ANNUAL SESSION

Twin commitment of **“Waste to wealth(W2W)”** and earn Carbon Credit.

VENUE

Hitex Exhibition Centre, Izzat Nagar, Hyderabad, one of the most reputed place for hosting many international events is the venue, **36 km from RGIA, Hyd. (50 minutes journey by road)**



OFFICIAL LANGUAGE

The official language of the Conference predominately will be English with Hindi as link language

TARGETED AUDIENCE

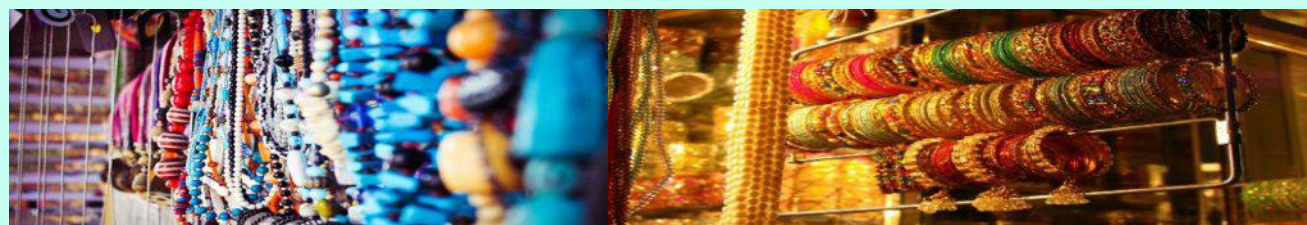
The Annual Conference will be an excellent opportunity to **all the participants from across the globe engaged in highway industry** directly or indirectly which includes law enforcing, automobile manufacturers, NGOs, Emergency Medical Service Providers, Insurance Companies etc to interact and share their wisdom.

METHODOLOGY

This Annual Conference will comprise **six Technical Sessions**. Experts from India and abroad will make presentations and hold discussions.

PROGRAMME (PROV.) – AT A GLANCE

Thursday, 15 December 2016	
0800-1800 hrs	Registration
1300-1430 hrs	Lunch
1600 hrs	Inauguration of Technical Exhibition
1930-2130 hrs	Cultural Programme
2000-2200hrs	Dinner
Friday, 16 December 2016	
0800-1800 hrs	Registration
1000-1045 hrs	Tea
1100-1245hrs	Inaugural & Plenary Session
1300-1400 hrs	Lunch
1400-1530 hrs	Technical Session (Shift-1)
1530-1545 hrs	Tea
1545-1730 hrs	Technical Session (Shift-2)
1900-2100 hrs	Cultural Programme
2000-2200hrs	Dinner
Saturday, 17 December 2016	
0800-1800 hrs	Registration
1000-1130 hrs	Technical Session (Shift-3)
1130-1145 hrs	Tea
1145-1300 hrs	Technical Session (Shift-4-Research Institution/Experts)
1300-1400 hrs	Lunch
1400-1530 hrs	Technical Session (Shift-5)
1530-1545 hrs	Tea
1545-1730 hrs	Technical Session (Shift-6)
1745-1900 hrs	210 th Council Meeting
1900-2100 hrs	Cultural Programme
2000-2200 hrs	Dinner
Sunday, 18 December 2016	
1000-1145 hrs	Technical Presentation by Stakeholder Firms
1145-1200 hrs	Tea
1145-1300 hrs	Panel Discussion
1300-1400 hrs	Lunch
1400-1500 hrs	211 th Council Meeting
1400-1600 hrs	Voting for 2017 Council Members (Parallel Business)
1515-1630 hrs	77 th Business Meeting
1630-1730 hrs	Valedictory Function
1745-1900 hrs	Meeting of Pr. Secys/Secys /E-in-C/CEs Meeting



ABOUT THE KEY-SPEAKERS

	<p>Dr RAJENDRA KUMAR BHANDARI, BE (Jodhpur, 1962), M.Tech (IIT Mumbai, 1964), Ph.D (Imperial College, London, 1970), is synonymous to Disaster Mitigation. The Former Director, CBRI, Roorkee, he has remained to be India's Ambassador on various related International Bodies for over three decades. He has been the Pioneer for establishment of the Laboratory for Disaster Mitigation in Sri Lanka where under his command a century old landslide at Waterwala, an annual nightmare for decades, was permanently fixed successfully. Besides, he has been instrumental in setting the Laboratories at CBRI, Roorkee, Anna University, Chennai & VIT University, Vellore. DrBhandari has number of recognitions & awards to his credit, the prominent among these include Varnes Medal, 2012, the highest award for Excellence in Landslide Research (UNESCO) and the Life Time Achievement Award of the Quantum Global Campus, Uttarakhand in 2016. DrBhandari is currently working as Chairman of the Forum on Disaster Mitigation of the Indian National Academy of Engineering, New Delhi.</p>
	<p>Mr BALRAJ BHANOT, double B.Tech, MBA, a synonymous to 'automobile standards' is former Director, ARAI, Pune and headed number of prestigious Committees of Planning Commission, CMVR-TSC, besides Consultant to reputed organisations including World Bank & ADB. He is pioneer in implementing CNG Bus Fleet in Delhi, WP-29 safety norms of UNO in vehicles. He has the honour to be first Indian to be Advisor (Electronics) in EEC at Brussels, Belgium, 1978-83 and identified computer software export from India. He has published number of Papers and been a Jury Member of ACMA Annual Awards since its inception. He has been conferred with IRTE and Prince Michael International Road Safety Award besides Life Time Achievement Award in 2015 by SAEINDIA Foundation. He is currently Chairman, TED 28 (BIS).</p>
	<p>Prof MAHESH TANDON, B.Tech (Roorkee, 1962), MS (University of Hawaii, USA, 1965) a renowned Structural Designer and Founder of Tandon Consultants Pvt Ltd. He has been distinguished Visiting Professor at IITs at Kanpur and Roorkee. He has to his credit a number of mega structural projects in India and overseas which includes Gazipur 3-Level Interchange & Barapullah Elevated Road (Phase-I) in Delhi and Ambedkar Flyover in Mumbai. He is recipient of many recognitions, the significant amongst those is Life Time Achievement Award by Indian Concrete Institute in 2003.</p>
	<p>Mr T VISWANATHAN, B.Tech (Ranchi, 1968), Master's in Structural Engineering, has rich and remarkable experience in the field of Bridge Engineering of over 47 years in Govt and Private Sector as well. He has served overseas for over two decades. He is currently a freelancer Expert after leaving M/s. AARVEE Associates as Principal Advisor in April 2016.</p>
	<p>Mr SAJJAN SINGH NAHAR, BE (Jodhpur, 1982), LL.B (Delhi University, 1989). He served as Assistant Professor for nearly two years before joining as Central Engg Service (Roads) Group-'A' Officer. He is credited to be India's Rep to JICA & SAARC 5 years each. He has remarkable career of 33 years with specialisation in LA & Contractual problems. He received special commendation for organizing outstandingly, the maiden meeting of SAARC Technical Committee on Transport held in January, 2005 at New Delhi & was privileged to be the Chairman of 'SAARC Tech. Committee on Transportation' at Dhaka SAARC Summit, 2005. He was awarded IRC Pt Nehru Award, 2004 (bestowed on Young Engineer of age less than 45 years) for his outstanding contribution. He organized exceptionally well "International Conference on Road Safety Scenario in India and Way Forward" in Nov, 2014 at VigyanBhawan, New Delhi just after joining IRC as Secretary General a month ago and his comprehensive SOAR on Road Safety submitted to Hon'ble Supreme Court Committee on Road Safety is a visionary document, the recommendations have already been under implementation by the Govt. As SG, IRC, he has been pioneer in bringing in landmark green initiative like e-membership; hosting IRC website on Govt domain (www.irc.nic.in) and institution of long awaited "Life Time Achievement Award" in 2015.</p>
	<p>Mr KIYOSHI DACHIKU is a renowned Expressway Expert having remarkable career of over 40 years and implemented World Bank/ADB projects outstandingly. He served as an Expert to India Govt and engaged in training of engineers at IAHE, Noida (India) for over 2 years. He contributed outstandingly in preparation of IRC:SP:99-2013 "Manual of Specifications and Standards for Expressway". MrDachiku is currently working as Principal Consultant, PADECO, a reputed Company.</p>
	<p>Dr SHYAM SUNDAR PORWAL, BE (Jodhpur, 1978), M.Tech (IIT Delhi, 1987), Ph.D (NIT Silchar, 2015) has rich experience of over 35 years in BRO serving predominately in N-E region. He was awarded with VISHISHT SEVA MEDAL (VSM) in 2001 for his exemplary work during OP Vijay in 1999 and twice COAS and DGBR Commendation cards for his meritorious service which include successfully conducting the first KailashMansarovarYatra 2015 from Nathula Pass. He is currently President, IRC elected during 76th Annual Session, at Indore (Dec, 2015) and working as Addl. DG (N-E Region), BRO stationed at Guwahati.</p>
	<p>Maj (Rtd.) V.C. VERMA, B.Tech, MBA having remarkable career of over five decades in Army, AAI and highway industry. He is specialised in marketing sector and also a distinguished spokesperson. He served as President of NHBF & Director in Governing Council of CSDCI. He is currently working as Director (Marketing) of OSE Pvt Ltd.</p>



	Mr BIKSHAPATHI KONDAI , Master's in Geo-tech having multiple experience of over 33 years with Specialisation in e-procurement and training of workman. He is the author of administrative reforms and guest faculty for the reputed institutions like, ASCI & ESCI at Hyderabad. He was recognised with UNPS Award, 2007. He is presently working as E-in-C (R&B, Admn. & QC), Telangana and DG, NAC, Hyderabad for over two years. NAC, Hyderabad was honoured with Vishwakarma Award, 2015 by CIDC.
	Ms ANJLEE AGARWAL , Master's in Human Rights is co-founder of 'Samarthyam', a NGO has special consultative status with UNESCO, dedicated to universal accessibility. As a physically challenged woman herself, she undertakes audit of public sites. She is renowned researcher and author and member of reputed institutions India and overseas. To her credit number of recognitions which includes 2003 President Award for her being Role-Model.
	Dr MANORANJAN PARIDA , a Professor at IIT Roorkee, possessing academic and research experience of over 30 years is an Expert of multimodal transportation. He is Head of the Centre of Excellence for Transport Systems for over 4 years and holds the Ministry of Road Transport and Highways Chair. He has published over 285 research papers supervised 16 Ph.D theses. He is the Chairman of prestigious IRC Committee on Accreditation (2015-2017) and honored with Outstanding Teacher Award in 2013 by IIT Roorkee.
	Mr ALOK BHOWMICK is an outstanding Structural Engineer possessed with rich experience of over three decades. He is the Founder of B&S Engineering Consultants Pvt Ltd. He is a Fellow of IASE and presently, the Chairman of Editorial Board of ING-IABSE. He has to his credit a number of major structural designs of significant bridge/flyover projects in India and overseas. Mr.Bhowmick has published over 50 Technical Papers and has been pioneer in preparing IRC:SP:105-2015 - Explanatory Handbook to IRC:112-2011 "Code of Practice for Concrete Road Bridges", a document of vital importance in Bridge Design.
	Dr PURNIMA PARIDA has rich experience of over three decades in Transportation Planning specifically for pedestrian facilities, side walk and non-motorized vehicle. She has published number of Papers and received many awards. She is currently working as Principal Scientist & Head, Transportation Planning Division, CRRI, New Delhi.
	Mr V. N. HEGGADE is an outstanding Structural Engineer having been recognized with Nehru Award in 2002 (bestowed on Young Engineer of age less than 45 years). He has been associated with Gammon India Ltd. for over two decades and Pioneer to complete the challenging mega projects like Godavari Bridge (AP), Brahmaputra Bridge & Bogibeel Railway Bridge at Dibrugarh (Assam) and currently engaged in Signature Cable Stayed Bridge (Delhi). Mr Heggade is presently working as Sr Vice President & Head of EDMS (Engineering Design Management Section), Gammon India Ltd.
	Dr. B.G. SREEDEVI , B.Tech (IIT Madras, 1984), double M. Tech (2009), Ph. D (2014), is a renowned researcher in Transportation Sector and credited with number of Papers published by her. Dr.Sreedevi is currently working as Director, National Transportation Planning & Research Centre (NATPAC), Thiruvananthapuram, a multi-model R&D Centre of Govt. of Kerala.
	Dr ANURADHA SHUKLA is renowned Research Scholar in the area of Environmental Assessment (Carbon Footprints) on Road and Road Transportation having over 30 years remarkable experience. She has published over 100 research papers and affiliated with National and International organization of repute including ISRO, BIS, IRC, CHD, NEERI etc. She has been awarded number of prestigious awards including Fulbright-Nehru Environmental Leadership Program Fellowship 2009-2010. She is currently working as Chief Scientist in CRRI, New Delhi.
	Prof. (Dr.) CNV SATYANARAYANA REDDY having noteworthy Academic and Research experience of over two decades. He has published number of Papers on his specialisation in Geo-tech. He is recipient of many recognitions including Best Academician, 2014 Award conferred by AP State. He is currently serving as Honorary Director, AU Development Centre for nearly four years
	Mrs AKSHIMA T GHATE , Master's in Environmental Planning, currently working as Fellow at the Centre for Research on Sustainable Urban Development in Transport Systems, The Energy and Resources Institute (TERI), New Delhi.
	Mr HARSIMRAN SINGH , BE (PEC, Chandigarh, 2000), joined Indian Railway Service of Engineers in 2001. He has since been performed outstandingly in both Planning & Construction for the challenging mega fast track railway projects in the various capacity. He is currently working as Dy General Manager, SE Railway, Kolkata.



REGISTRATION FEE*

The payment of Registration Fee by Delegates shall be made (as applicable) indicated in the table below in the either of the Modes at S.No.4 of the Registration Form (sample as below).

IRC Members	Rs 5,000/-
Non-IRC Members	Rs 7,500/-
Students	Rs 2,500/-
Foreign Delegates	US \$ 120

* Registration fee is **non-refundable**. IRC Members of age between 60-65 years and above 65 years are entitled for 25% and 50% rebate respectively. **Accompanying spouse/children shall not be charged any registration fee.**

REGISTRATION FORM

(To be filled in block letters, preferably typed)

1 DELEGATE
Title : Mr. Ms. Dr. Others (Please specify)
First Name : _____ Last Name : _____
Position : _____
Organisation : _____
City : _____ State : _____
Country : _____ PIN : _____
Contact Details: Mobile: _____ E-mail: _____

2 ACCOMPANYING PERSON(s) (**Only Spouse/Children**) – Prof./Dr./Mr./Ms.
First Name _____ Last Name _____

3 Whether member of IRC Member Non-Member Student *
If IRC Member, Please give Membership No. _____

4 Mode of Payment
 Total amount payable
 Demand Draft/Cheque, payable at par at New Delhi, drawn in favour of Secretary General, Indian Roads Congress
 Credit Card (Online Registration only)
 Transfer (Through Swift Code) #

Bank Details

- Account Holder Name : Indian Roads Congress
- Name of Bank : HDFC Bank Limited
- Branch & Address : 209-214, Kailash Building, 26 Kasturba Gandhi Marg, New Delhi- 110 001.
- Saving Bank Account No : 00031450000670
- Branch/RTG/NEFT IFSC : HDFC0000003
- MICR Code No. : 110240001
- Swift Code : HDFCINBBDEL

In case of Bank transfer, please clearly inform the purpose of payment, name of organisation/individual and send the swift advice to the IRC Secretariat to liaise with Bank.

Date: _____

Signature: _____

* If Student, Please submit ID with Registration form

Bank Transaction Charges will be borne by the Delegate/Payee.



ACCOMMODATION

Focal Contact Point: Smt. D. Asha Rani, Superintending Engineer (Mob.+91 94408 18043)

Accommodation for delegates (who desire to avail) shall be arranged by Host (R&B, Telangana) only for **four nights** i.e. from 15-18 Dec. 2016 on payment basis as a **package** as per following rates. For booking, please login: www.irc77hyderabad.in / E-mail : irc77hyderabadaccom@gmail.com

Sl No.	Accommodation	Tariff (4 nights package)
i	Super Deluxe	Rs 12,000/-
ii	Deluxe – Single/Double	Rs 10,000/-
iii	Semi Deluxe/Standard – Single/Double	Rs 7,500/-

Preference shall be accorded as per order of official hierarchy/status of the delegates.

IRC HIGH POWERED COMMITTEE (HPC)

Er. S. S. Nahar, IES Secretary General E-mail: secgen.rs@gmail.com	Dr. S. S. Porwal, VSM, President E-mail: ssporwal@yahoo.com	Er. S.N. Das , DG(RD)&SS, MoRTH Treasurer E-mail: satyanarayan.das2@gmail.com
	IRC FOCAL POINT OFFICER Sh. Sam Singh, Deputy Secretary Mob . +91 97177 11573 E-mail: dsirc62@gmail.com	

LOCAL ORGANISING COMMITTEE

Chairman Sri K. Bikshapati Engineer-in-Chief (R&B) Admin & Q.C. M + 91 91774 45595 E-mail : bkondai@yahoo.com	Member Sri P. RavinderRao Engineer-in-Chief (R&B) State Road, CRN & RSW M +91 94418 55599 E-mail: enc_roadstelangana@gmail.com	Member Sri I. Ganapati Reddy Engineer-in-Chief (R&B) NH, CRF, LWE, PPP & Building M +91 99408 18001 E-mail : cenhts@gmail.com
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LOCAL FOCAL POINT OFFICERS

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Reception, Transport and Reservations Sri J. Mohan Naik SE (R&B), Nalgonda +91 94408 18042 e- mail: irc77hyderabadtrans@gmail.com ; transport@irc77hyderabad.in	Accommodation Smt. D. Asha Rani SE (R&B) Rural, Hyderabad +91 94408 18043 e- mail: irc77hyderabadaccom@gmail.com	Sri K. Raji Reddy, SE NH, Kareemnagar, +91 83339 32141 e-mail: irc77hyderabadtours@gmail.com ; tours@irc77hyderabad.in

