



Ministry of Road
Transport and
Highways

INTERNATIONAL SEMINAR on

“Advances in Bridge Management”

25th & 26th September, 2024 at Hotel Lalit Ashok, Bengaluru,
Karnataka (INDIA)



Organizer:
Indian Roads Congress
World Road Association (PIARC)

Organizing Partners:
Public Works Department
Govt. of Karnataka
Ministry of Road Transport and Highways
Govt. of India



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Awarded by Honorable Minister of Ministry of Road Transport and Highways of India Shri Nitin Gadkari Ji



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JK Hydraulic Jack with Hand Pump



Electric Grout Pump with Agitator Single & Double Drum



JK Void Former, Coupler & End Cone



JK Dead End Anchorage



JK Multi Use Wedge & Barrel



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EXPANSION JOINTS



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OTHER ACTIVITIES



Drainage Spout



Drainage Spout



Grout Cap

INDIAN ROADS CONGRESS

The Indian Roads Congress (IRC) is the Apex Body of Highway Engineers & Professionals in the country working in close collaboration with the Ministry of Road Transport & Highways, New Delhi. IRC was setup in 1934 and the Engineers working in Central/State Govt. Dept. viz, MoRTH; NHAI; NHIDCL; BRO; MES, NRIDA; CPWD; MoRD; MoUD, State/UT PWDs; PSUs; IITs & Engineering Colleges; Research Organizations; Contractors; Consultants, etc. are members of IRC. IRC presently having a membership of 18680 engineers.

The main objective of IRC is to set up/formulate Standards, Codes, Specifications, Manuals etc. for adoption by Central/State Govt. Road agencies to construct and maintain sustainable road infrastructure for overall development of the country. In addition, IRC also organize various events viz, Mid-Term Council Meetings; Annual Sessions; International Seminars; Regional Workshops; etc at various locations in India in order to disseminate and propagate technical knowledge and make highway professionals aware about current state of art practices, specifications, guidelines, cutting-edge environment friendly technology, etc

ORGANIZING PARTNER:

KARNATAKA STATE HIGHWAYS IMPROVEMENT PROJECT (KSHIP) & KARNATAKA PWD

The Karnataka State Highways Improvement Project (KSHIP) is the first major initiative of the Public Works Department (PWD) of Government of Karnataka (GOK) for improvement of roads and highways network of the state with external assistance.

Starting as early as 2001, KSHIP has introduced several international best practices in road sector construction in the state with adoption of comprehensive Resettlement Action Plan (RAP) and Environment and Traffic Safety Management Plans along with effective Construction Supervision and Quality monitoring arrangements.

The Karnataka Public Works Department (KPWD), also known as the Karnataka Public Works, Ports and Inland Water Transport Department, is a government agency responsible for public works in the Indian state of Karnataka. Established in 1856, it handles construction and maintenance of roads (including National Highways, State Highways, and major district roads) and buildings for various government departments and public undertakings.

WORLD ROAD ASSOCIATION (PIARC)

The World Road Association (PIARC) is a non-for-profit organization established in 1909. The Association aims to improve international co-operation and to foster progress in the field of roads and road transport. More than 115 years after it was established, the Association continues to foster and facilitate Global discussion and knowledge sharing on roads and road transport. The Association now boasts 129 Government Members worldwide and retains consultative status to the Economic and Social Council of the United Nations. The Vision of the Association is to be the world leader in the exchange of knowledge on roads and road transport policy and practices within an integrated sustainable transport context.

MINISTRY OF ROAD TRANSPORT & HIGHWAYS (MORTH)

An Apex Organisation under the Central Government is entrusted with the task of formulating and administering, in consultation with other Central Ministries/Departments, State Governments/UT Administrations, organisations and individuals, policies for Road Transport, National Highways and Transport Research with a view to increase the mobility and efficiency of the road transport system in the country. The main responsibility of MoRTH is planning, development and maintenance of National Highways in the country.

IRC OFFICE - BEARERS



SHRI K.K. PIPRI
(President, IRC)

Engineer-in-Chief, Public Works Department, Govt. of Chhattisgarh



SHRI SANDEEP B. VASAVA

(Imm., Past President, IRC) Housing
Commissioner Gujarat Housing Board,
Govt. of Gujarat



SHRI D. SARANGI

(Honorary Treasurer, IRC)

Director General (Road Development)
& Special Secretary, Ministry of Road
Transport and Highways, Govt of India



SHRI S.K. NIRMAL

(Secretary General, IRC)



SHRI J MOHAN NAIK

(Vice-President, IRC)

Chief Engineer, R&B Dept.,
Govt. of Telangana



SHRI SADASHIV SALUNKHE

(Vice-President, IRC)

Secretary (Roads) Public
Works Department, Govt. of
Maharashtra



SHRI P.R. PATELIA

(Vice-President, IRC)

Chief Engineer & Addl. Secretary,
Roads & Building Department,
Govt. of Gujarat



SHRI MOHIT VERMA

(Vice-President, IRC)

Managing Director, Clairvoyant
Engineering Consultants Pvt. Ltd.

STATE ORGANIZING COMMITTEE

The State Organizing Committee has been formed under the Chairmanship of The Secretary to the Government, Public Works Department with members from Finance Department, Department of Information and Public Relation, Department of Personnel and Administrative Reforms, Food & Civil Supplies, Department of Kannada & Culture, Health and Family Welfare Department, Karnataka State Tourism Development Corporation, Bruhat Bengaluru Mahanagara Palike, Fire and safety, Police & Transport Department.



SHRI SATHYANARAYANA

Secretary to Govt KPWD and Chairman,
State Steering Committee



SHRI SHANKARAGOUDA PATIL

Chief Project Officer and State Organiser



सत्यमेव जयते

संजय कुमार निर्मल
महासचिव

SANJAY KUMAR NIRMAL
SECRETARY GENERAL, IRC



भारतीय सड़क काँग्रेस

कामा कोटि मार्ग, सेक्टर-6

रामा कृष्णा पुरम, नई दिल्ली-110 022 (भारत)

INDIAN ROADS CONGRESS

Kama Koti Marg, Sector-6,

R.K. Puram, New Delhi-110 022 (INDIA)

Tele. : +91 11 2618 5303

E-mail : secygen.irc@gov.in

Dated: 12th August, 2024

Dear Colleagues,

I have pleasure to inform you that Indian Roads Congress in association with the World Roads Association (PIARC), Public Works Department, Govt. of Karnataka and Ministry of Road Transport & Highways is organizing the International Seminar on “**Advances in Bridge Management**” from 25th to 27th September, 2024 at Bengaluru, Karnataka.

I cordially invite you to attend the International Seminar and looking forward to your active participation in its deliberations.

This Invitation booklet contains the programme and other necessary information for the International Seminar. For any further information, please feel free to write to us.

Yours sincerely,

(S.K. Nirmal)

सैटेलाइट आफिस : जामनगर हाउस, शाहजहाँ रोड, नई दिल्ली

Satellite Office : Jamnagar House, Shahjahan Road, New Delhi-110 011

ABOUT THE SEMINAR

Ministry of Road Transport & Highways, Govt. of India has embarked upon a huge road development plan in the country in the coming years to give a major boost to economy through large scale infrastructure development. A large number of projects including construction of bridges and Road Over Bridges in replacement of existing level crossings and flyovers/grade separators at major road junctions etc. are proposed to be taken up in a phased manner. However, past experience shows that there have been several deficiencies in project preparation in many earlier projects. In the case of bridges and structures designed for 100 years' service life, quality of project preparation is very important, considering revision of Manuals, IRC codes, mostly based on Euro Codes and introduction of Limit State Method in design. Importance of instrumentation and need of bridge health monitoring are also highlighted. This Seminar is intended to provide a detailed understanding of the various aspects of advancement in Bridge Management etc. for the benefit of Highway Professionals, Engineers of state PWDs, Consultants, Academicians, Students, Material Manufacturers, Contractors etc.

VENUE



The Lalit Ashok, Bengaluru, India

ABOUT BENGALURU

Bustling Bangalore, officially known as Bengaluru, is the capital of the southern Indian state of Karnataka. It's a city of contrasts, balancing its rich history with a booming tech industry. Nicknamed the "Garden City" for its parks and greenery, Bengaluru offers a pleasant climate thanks to its position on the Deccan Plateau. With a population approximately 14 million, it's one of India's metropolitan cities, where ancient temples and vibrant markets stand alongside modern skyscrapers.

IMPORTANT PLACES OF INTEREST

1. Bengaluru Palace
2. ISKCON Temple, Rajajinagar
3. Lal Bagh Botanical Garden
4. Bannerughatta Biological Park
5. Visvesvaraya Industrial and Technological Museum
6. Bull Temple
7. Karnataka Chitrakala Parishat
8. Jawahar Lal Nehru Planetarium
9. Tipu Sultan Fort and Palace
10. St. Mary's Basilica
11. Cubbon Park
12. Dakshina Mukha Nandi Teertha Kalyani Kshetra
13. Venkatappa Art Gallery and Government Museum

GENERAL INFORMATION

Here's a quick rundown of some general information:

Area: 741 square kilometers (286 sq mi)

Population: Over 14 million, making it one of India's megacities.

Location: Situated in southeastern India on the Deccan Plateau, at an average elevation of 900 meters (2,953 ft).

Climate: Bengaluru enjoys a pleasant tropical savanna climate with moderately warm temperatures year-round. There are two main seasons: a wet season from June to September and a dry season from October to May.

Clothing: Pack comfortable, breathable clothing made from natural fibers like cotton or linen. Temperatures rarely drop below 60°F (15°C), so you won't need heavy jackets. During the monsoon season, you'll need an umbrella or raincoat.

Languages: Kannada is the official language of Bengaluru, but Hindi, English, Tamil, Telugu, and Malayalam are also spoken. English is widely understood and used in the business world, so you'll be comfortable even if you don't speak Kannada.

CONNECTIVITY

Bengaluru is well-connected by air, rail, and road, making it easily accessible from all over India and abroad. Here's a breakdown of each mode of transportation:

Air: Connects Bengaluru to all major cities in India and offers international flights to many destinations worldwide.

Located about 35 kilometres from the city centre. Taxis, ride-sharing services, and buses are readily available for transportation between the airport and the city.

Rail: Bengaluru has three major railway stations, Bengaluru City Railway Station, Yeshwantpur Junction Railway Station, Sir M Visvesvaraya Terminal.

Road: Bengaluru is well-connected to other Indian cities by a network of National Highways and State Highways. National Highway 44, which connects Kashmir to Kanyakumari, passes through Bengaluru. Karnataka State Road Transport Corporation (KSRTC) operates buses to various destinations within Karnataka and neighbouring states.

Note: A help desk has been planned at the Bengaluru Airport and Railway Station (Karnataka).

Flight Fare & Ticket Availability:

follow the link: <https://www.makemytrip.com>

IRCTC Official link for Train Tickets Booking: <https://www.irctc.co.in/nget/train-search>

ACCOMMODATION

Delegates are requested to make their own arrangements for travel and accommodation. The details of Hotel with Tariff are as under:

S. No.	Name of Hotel	Package Rate for 3N/4D IN INR (including Breakfast)	Package Rate for 6N/7D IN INR (including Breakfast)
1.	Lalit Ashok	15000.00	25000.00 (Only for Foreign Delegates)
2.	ITC Windsor	15000.00	--
3.	Atria Radisson Blu	15000.00	--
4.	Holiday In	12000.00	--
5.	Goldfinch	10000.00	--

* Payments shall be made either in the form DD drawn in favour of the Local Organising Secretary and SE(Designs), O/O of Chief Engineer, C&B(South), Bengaluru, payable at Bengaluru for room Accommodation. Bank Details are, AC No. 39685601243, IFSC: SBIN0040526

TRAVEL INFORMATION

The timings of Flight & Train Services to and fro from Bengaluru are given in **Appendix-2**. The timings of the flight as shown in the Appendix are subject to change and participants are advised to ascertain the correct times before booking their tickets. Since a large number of participants are expected to attend the Seminar of Indian Roads Congress in addition to the normal air passengers traffic, it is advised to book their onward and return journeys by themselves, well in advance.

MEDICAL FACILITIES

Medical facilities will be available at the venue of the seminar.

SOCIAL AND LADIES PROGRAMME

Social and Programme for the Spouses and other family members of the attendees will be arranged.

TECHNICAL SITE VISITS

A lot of infrastructure projects are coming up in this city. Arrangements will be made to visit a number of project sites. Members interested in availing this tour may inform the organizers by **9th September 2024**.

GENERAL

Delegates are requested to fill in the Registration Form and Accommodation Form given in **Appendices - 3&4** and forward the same to the addresses given there at latest by **9th September 2024** to avoid any inconvenience on arrival. The members are also requested to send their details including their Contact Numbers and E-mail IDs so that the latest information can be sent to them well in time.

CUT-OFF DATES FOR ARRANGEMENTS

Accommodation, Registration and Local Tour is **9th September, 2024**.

IRC CAMP OFFICE AT BENGALURU

The office of the Indian Roads Congress will start functioning at Bengaluru from **22nd September, 2024**. The office will be located at Venue. Any communication relating to the Seminar after this date should be addressed to the Secretary General, IRC at the camp office. Members may also communicate through email at **admn.irc-morth@gov.in & ircadm1934@gmail.com**.

TENTATIVE PROGRAMME

Tuesday, the 24 th September, 2024	
16.00-17.00	Press Conference
17.00-20.00	Registration
Wednesday, the 25 th September, 2024	
08.00-10.00	Registration
10.00-11.30	Inaugural Session - 1
11.30-12.00	High Tea
12.00-13.30	Session-2: "New Materials in Bridge Construction" Presentation by IRC Expert on: 1. "New and Sustainable Materials in Bridge Construction" by Dr. S B Hegde (India) 2. "New Innovative Materials and Technologies in Bridge Retrofitting" by Dr. Gopal Rai (India) Presentation by PIARC Expert on: 3. "New Construction with GFRP Bars - Canadian" Experience by Bernard PILON (Canada) 4. "Recent Practice of Ultra High Performance Concrete (UHPC) and Structural Application in China" by Liji HUANG (China)
13.30-14.30	Lunch Break
14.30-16.00	Session 3: Inspection and Operational Strategies/ Techniques for Bridges Management Presentation by IRC Expert on: 1. "Ministry of Road Transport & Highways and Aarvee Consultants – Indian Bridge Management System (IBMS)" by Er. G.R. Choudhary (India) 2. "Structural Safety Audit and Rehabilitation of Major Bridge in Orissa" by Dr. G.K. Sahu (India) Presentation by PIARC Expert on: 3. "Sum up of Last Cycle Madrid Workshop to Compare Survey Over World" by Marta PERTIERRA or Emilio CRIADO (Spain)

	4. “Magnetic Flux Leakage to Detect Corrosion - Sylans Bridge APRR” by Florent PLASSARD (France):
16.00-16.30	Tea/Coffee Break
16.30-18.00	<p>Session 4: Instrumentation and Structural Health Monitoring for Road Bridges</p> <p>Presentation by PIARC Expert on:</p> <ol style="list-style-type: none"> 1. “Advancement of Inspection Techniques/ Technologies as a part of Bridge Management Systems - Report (Last Cycle)” by Matej KUSAR (Slovenia) <p>Presentation by IRC Expert on:</p> <ol style="list-style-type: none"> 2. “Structural Health Monitoring of Bridges” by Mr Vinay Gupta (India) 3. “The Role of Chemical Analysis on Structural Health Assessment of Concrete Bridges” by Mr. R K Jaigopal (India) <p>Presentation by PIARC Expert on:</p> <ol style="list-style-type: none"> 4. “SHMS from In Portugal, including Tagus Bridges and different type of Structures” by Sergio PEREIRA (Portugal)
18.30 onwards	Cultural Programme
20.00 onwards	Dinner
Thursday, the 26th September, 2024	
10.00-11.30	<p>Session 5 : Advances in Maintenance, Rehabilitation, Retrofitting of Bridges</p> <p>Presentation by IRC Expert on:</p> <ol style="list-style-type: none"> 1. “Rehabilitation of 4.1km Long Nelamangala Flyover by Replacement of External Prestressing Cables” by Prof. Mahesh Tandon (India) 2. “Rehabilitation & Retrofitting of Concrete Bridges-Case Studies” by Mr. Anil Kumar Shrivastava (India) <p>Presentation by PIARC Expert on:</p> <ol style="list-style-type: none"> 3. “New Rehabilitation Materials and Technologies for Road Bridges - Report (Last Cycle)” by Pierre GILLES (Belgium) 4. “Reinforcing of Pavement Around Deck Joints- Innovation – Hungarian Experience” by Janos KARKUS (Hungary)
11.30-12.00	Tea/Coffee Break
12.00-13.30	<p>Session 6: Forensic Engineering for Structural/Accidental Failure of Bridges</p> <p>Presentation by PIARC Expert on:</p> <ol style="list-style-type: none"> 1. “Forensic Engineering for Structural Failures – Report” by Joey HARTMANN (USA) <p>Presentation by IRC Expert on:</p> <ol style="list-style-type: none"> 2. “Risk Mitigation Strategies for Bridge Failures during Construction” by Mr. Alok Bhowmick (India) 3. “Role of Forensic Engineering for Bridges in Service” by Shri Umesh Rajeshirke (India) <p>Presentation by PIARC Expert on:</p> <ol style="list-style-type: none"> 4. “Forensic Case Study in Australia” by Torill PAPE (Australia)
13.30-14.30	Lunch Break
14.30-16.30	<p>Session 7: Measures for increasing adaptability of Road Bridges to Climate Change and make them Sustainable, Safer & Disaster Resilient</p> <p>Presentation by PIARC Expert on:</p> <ol style="list-style-type: none"> 1. “Measures for Increasing the Adaptability of Road Bridges to Climate Change – Report” by GIL HEUNGBAE (South Korea) 2. “Damage-Resilient Bridges in Seismic Areas – Report” by Kazuo ENDO (Japan)

	Presentation by IRC Expert on: 3. “Carbon Abatement Strategies for Bridges” by Mr. V N Heggade (India) 4. “Effects of Climate Change on Existing Bridges” by Dr. Lakshmy Parameswaran (India) Presentation by PIARC Expert on: 5. “From Mexico : Bridge Retrofited after Seismic Damages and Compasses” by Luis ROJAS (Mexico)
16.30-17.00	Tea/Coffee Break
17.00-18.30	Session 8 : Panel Discussion on “Bridges Collapsing during Construction – Lessons Learn” Expert 1 : Joey HARTMANN (USA) Expert 2 : Liji HUANG (China) Expert 3 : Frederic NAUD or Nicolas BARDOU (France) Expert 4 : Prof. Ravi Sinha (India)
19.00 onwards	Cultural Programme
20.00 onwards	Dinner
Friday, the 27th September, 2024	
10.00-13.00	Technical Site Visit

RATES FOR EXHIBITION STALL SIZE 3x3 (MTRS.)

1.	Stall Size 3x3 Mtrs.	Rs.3,00,000/- inclusive of GST (Two persons will be allowed to participate free of cost during the Event)
Note: The Demand Draft/crossed cheques drawn in favour of the LOS or through NEFT/RTGS.		

REGISTRATION FEE

The Central/State Government Departments, Consultants, Concessionaries, Contractors and other stake holders may nominate the delegates for this International Seminar.

The Rates of Registration for the Seminar are as under:

Category of Delegates	Registration fee including GST	
	Self	Spouse
A. Delegates from India		
1. Official Government Delegates		
a) Senior (EE & above)	Rs.9000.00	Rs.5000.00
b) Junior (below EE)	Rs.7000.00	Rs.5000.00
2. Officials of Public and Private Sector Undertakings/ Companies, etc.	Rs.9000.00	Rs.5000.00
3. Individuals (Not nominated by the Government/Public and Private Sector Undertakings/Companies, etc.)	Rs.7000.00	Rs.5000.00
4. Student Member	Rs.2000.00	--
5. International Participants (except TC 4.2 members)	700 US \$	300 US \$

For more information please contact:

Indian Roads Congress Secretariat

Kama Koti Marg, Sector-6, R.K. Puram, New Delhi-110022 (INDIA)

IRC Secretariat	
S.K. Nirmal Secretary General	Phone 011- 26185303 E-mail: secygen.irc@gov.in
Rahul Patil Deputy Director (T)	Phone 011-26185273 Mobile: +91 9312849826 E-mail: dd.irc-morth@gov.in; tc.irc@gov.in
Ajay Kumar Bhalla Under Secretary	Phone 011-23387140 Mobile: +91 7302453099 E-mail: ds.irc-morth@gov.in
Rajneesh Katoch Section Officer (Admn.)	Phone: 011-23387140 Mobile: +91 7078193056 E-mail: admn.irc-morth@gov.in E-mail: ircseminar1934@gmail.com

LIST OF OFFICERS & COORDINATING OFFICERS OF DIFFERENT COMMITTEES

No.	Name of Committee	In-Charge Officer	Coordinating Officer
1	Local Organizing Secretary	Shri P B Prakash, SE Design, Office of Chief Engineer, C&B (S) Bengaluru Ph. 9480377377 losadvbridgesbengaluru24@gmail.com	
2	Reception, Reservation, and Accommodation Committee	Shri Sathish babu, SE, Buildings Circle, Bengaluru Ph. 9448589335 sebldgpwd@gmail.com	(1) Shri Pradeep Devanur, EE, No 2 Buildings Dvn, PWD Bengaluru , Ph: 7996555555 eebld2@kpwd.gov.in (2) Shri Rajesh, AEE(E), B'lore Ph:9449865155 aeebld5elc@kpwd.gov.in (3) Shri Prakash. EE, No.1 Bld Dvn Ph: 7349780009 (4) Shri Ananth, AEE, No.1, Building Sub-Dvn, PWD,Bengaluru Ph:9972999909 (5) Shri Arun, AEE, Vidhan Soudha Sub-Div, Bengaluru Ph: 9900093995 (6) Shri Akhilan, AEE, No-4, Building Sub-Dvn, Bengaluru Ph: 9663693630

No.	Name of Committee	In-Charge Officer	Coordinating Officer
3	Transport Committee	Shri Chandramohan, SE (Design), NH Ph: 9845776104 vcmlal@gmail.com cenhpwd@yahoo.co.in	(1) Smt. Pavithra DCE, NH Zonal Office (S), Bengaluru Ph:9916254196 (2) Shri Prakash AEE Bengaluru Subdvn, NH Zone Ph: 9945533397 (3) Shri Janardhan AEE NH QA subdvn Bengaluru Ph: 8147326903 (4) Shri Sriram TA NH CE office Ph: 9482533110 (5) Shri Mahammad Nakhil AE, O/o CE, NH Zone, Bengaluru Ph: 8884317760
4	Catering Committee	Shri Keshavaprasad B N. KES, SE, PWD, QC Circle Bangalore Ph.8296580589	(1) Shri Shankar, EE QA, Bengaluru Dvn, PWD Ph: 98456 73759 eeqcpwddvn@yahoo.in (2) Shri Vijayakumar, AEE, QC Subdvn Bengaluru Ph: 9880840227
5	Venue Facilities Committee	Shri Eshwarappa KES, SE, SHDP Ph.9448265221 cepiushdp@gmail.com	(1)Shri Malathesh S, EE,SHDP, Ph:9448207349 cepiushdp@gmail.com (2) Shri Ibrahim, AEE, SHDP Ph: 95352-60578 cepiushdp@gmail.com (3) Shri B H Vasudev AEE, SHDP, Bengaluru Ph: 9916156416 (4) Shri M.D. Nagesh, TA, PWD Bengaluru Division Ph: 9449692800 (5) Shri Srikanth Naragund, AE, SHDP Ph: 9448886927 (6) Shri Anil Shouri K R AEE PWD NO.9 Sub-Division, Bengaluru 9845732737
6	Technical Exhibition Committee	Shri Ravisooran, SE, SHDP Ph. cepiushdp@gmail.com	(1) Shri Chandan kumar, EE, SHDP Ph.9972473064 cepiushdp@gmail.com

No.	Name of Committee	In-Charge Officer	Coordinating Officer
7	Inspection Of Engineering Works Committee	Shri S R Mohan Kumar , SE (Vigilance Cell) Ph.9980135293	(1) Shri Ravinandan , EE, Vigilance cell, PWD Secretariat Ph: 9480427848 (2) Shri Ramesh , AEE, Vigilance cell, PWD Secretariat Ph: 9900337428 (3) Shri Arun , AEE, Vigilance cell, PWD Secretariat Ph: 8050448824 (4) Shri Kiran , AE, Vigilance cell, PWD Secretariat Ph: 9448356040
8	Publicity And Souvenir (Including T.V. And A.I.R. Coverage) Committee	Shri P B Prakash , SE (Design) C&B (South) Ph.9480377377	(1) Shri V N Krishnamurthy , KES, EE, SHDP Ph.9008585128 vnk1murthy@gmail.com (2) Shri Surendranath , DCE(Roads), O/o CE, C&B(S), Bengaluru, Ph:9448202434 (3) Smt. Ashwini , TA, No 1 Building Division, Ph: 9663040355 (4) Smt. Sumalatha , TA, Designs, Ph:9242804339 (5) Shri K Murali , TA bridges, Ph: 9900872613 (6) Smt. Manjula Patil , TA roads, 9448170725 (7) Shri Naveen Thotaganti AEE, SHDP, Bengaluru (8) Shri Harshavardhan AE, Roads, Ph:7411237619
9	Post-Session Tours Committee	Shri R Malathesh , SE, KSHIP, Ph.9483513868	(1) Smt. Ranjana , AEE, KSHIP Ph.9845546145 Email: aee4kship@gmail.com (2) Smt. Manasa , AE, KSHIP Ph: 9986724705 (3) Smt. Indrani , AE, KSHIP Ph: 8970000666
10	Cultural Programme Committee	Shri T Pradeep , KES, SE, National Highways Ph.9886035119 cenhpwd@yahoo.com	(1) Shri Pampapathi , EE, NH Dvn, Bengaluru Ph:9686696159 (2) Smt. Komala , TA, NH Dvn Office Bengaluru
11	Ladies Programme Committee and Medical Committee	Smt B.Lalitha , SE, KSHIP Ph.9731358299 se4kship@gmail.com	(1) Smt. Ranjana , AEE, KSHIP, Bengaluru Ph:7259049203 aee4kship@gmail.com (2) Smt. Soundarya , AE, KSHIP, Bengaluru (3) Kum. C.H.Sai Manasa , AE, KSHIP Ph: 9008809306 (4) Kum. Anjali , AE, KSHIP Ph: 6360068946

No.	Name of Committee	In-Charge Officer	Coordinating Officer
12	Website Cum Computerization Cell Committee	Shri Manjesh Gowda , KES, SE, PRAMC Ph.9900433592 cepramc@kpwd.gov.in	(1) Shri Jayappa , AEE, PRAMC Ph: 9731769030 cepramc@kpwd.gov.in (2) Smt. Smitha C V , AE, PRAMC, Ph: 9036714320 (3) Smt. Smitha M , AE, PRAMC, Ph: 7829737148 (4) Smt. Swathi , AE, PRAMC Ph: 9538208315 (5) Shri Sachin , AE, PRAMC Ph: 9743378811 (6) Smt. Radhika , AE, PRAMC Ph: 6360014967 (7) Smt. Nanditha , AE, PRAMC Ph: 9113676391
13	Revenue Committee	Shri Manjappa , KES, CE, C&B (South) Ph.9448088467 cecbs@kpwd.gov.in	(1) Shri Jagadish , SE PWD Circle, Bangalore Ph.9901889811 (2) Shri Chandrashekhar , EE, Bengaluru PWD dvn. Ph: 9731934946 (3) Smt. Saroja Patil , AEE, Bengaluru North Sub-Dvn Ph: 7022252674
14	International Delegates Committee	Shri V C Sunil Kumar , SE, KSHIP Ph.9481813479 se1kship@gmail.com	(1) Shri V N Krishnamurthy , EE, SHDP (Ph.9008585128) vnk1murthy@gmail.com (2) Shri Bhaskar , AEE, KSHIP, Bengaluru Ph:9342871817 (3) Shri Suresh Babu , AEE, PWD No-10, Sub-Dvn, Bengaluru Ph: 9844253030 (4) Shri Sachin , AE, PIU KSHIP Ph: 9663320526 (5) Kum Yashashwini , AE, KSHIP Ph: 7349471392 (6) Shri Sachin S Kanth , AE, KSHIP 7259581718
15	Registration Committee	Shri Subhash Naikawad , SE, KRDCCL Ph.8884646722	(1) Shri Ajith , EE, KRDCCL, Bengaluru, Ph:9448235508 (2) Sujatha EE , KRDCCL, Bengaluru

Flight Services from Major cities of India to Bengaluru

FROM	TIME	FLIGHT NO.	AIRLINE
DELHI	05:45	6E 6612	INDIGO
DELHI	07:00	6E 2103	INDIGO
DELHI	09:30	6E 2408	INDIGO
MUMBAI	19:10	6E 5032	INDIGO
MUMBAI	21:45	6E 5388	INDIGO
MUMBAI	23:10	6E 5322	INDIGO
KOLKATA	05:00	6E 6438	INDIGO
KOLKATA	06:45	6E 771	INDIGO
KOLKATA	08:15	6E 496	INDIGO
CHENNAI	18:15	6E 365	INDIGO
CHENNAI	23:15	6E 796	INDIGO

Flight Services to Major cities of India from Bengaluru

TO	TIME	FLIGHT NO.	AIRLINE
DELHI	05:45	6E 2021	INDIGO
DELHI	07:00	6E 6433	INDIGO
DELHI	08:00	6E 2186	INDIGO
MUMBAI	12:45	6E 5049	INDIGO
MUMBAI	14:00	6E 5218	INDIGO
MUMBAI	15:15	6E 5351	INDIGO
KOLKATA	05:00	6E 227	INDIGO
KOLKATA	06:25	6E 6439	INDIGO
KOLKATA	08:25	6E 442	INDIGO
CHENNAI	05:00	6E 575	INDIGO
CHENNAI	07:10	6E 6269	INDIGO
CHENNAI	16:35	6E 6012	INDIGO

Train Services from Major cities of India to Bengaluru

FROM	TIME	TRAIN NO.	TRAIN NAME
NEW DELHI	20:20	12628	KARNATAKA EXP.
NEW DELHI	19:50	22692	SBC RAJDHANI
NEW DELHI	08:20	12650	YPR SAMPART KRT
MUMBAI	08:10	11301	UDYAN EXPRESS
MUMBAI	22:35	11013	LTT CBE EXPRESS
MUMBAI	21:35	16507	DADAR TAN EXP.
KOLKATA	10:50	12245	SMVB DURONTO EXP
CHENNAI	05:50	20607	MYS VANDE BHARAT
CHENNAI	17:25	12027	MAS SBC SHTABDI
CHENNAI	06:00	12007	MYS SHATABDI

Train Services to Major cities of India from Bengaluru

FROM	TIME	TRAIN NO.	TRAIN NAME
NEW DELHI	20:00	22691	RAJDHANI EXP
NEW DELHI	14:30	12629	SAMPARK KRANTI
NEW DELHI	19:20	12627	KARNATAKA EXP
MUMBAI	4:25	11006	CHALUKYA EXP
MUMBAI	20:40	11302	UDYAN EXP
MUMBAI	22:20	16210	AJMER EXPRESS
KOLKATA	11:20	12246	DURONTO EXPRESS
KOLKATA	10:15	22888	HWH HUMSAFAR
KOLKATA	12:30	15227	MUZAFFARPUR EXP
CHENNAI	22:40	12658	CHENNAI MAIL
CHENNAI	6:00	12028	SHATABDI EXP
CHENNAI	14:55	20608	MAS VANDEBHARAT

Guided Map of Bengaluru





Ministry of
Road Transport
and Highways

INTERNATIONAL SEMINAR

on

“Advances in Bridge Management”

25th & 26th September, 2024 at Hotel Lalit Ashok, Bengaluru, Karnataka (INDIA)

REGISTRATION FORM

The Under Secretary
Indian Roads Congress,
IDA Building, Jamnagar House,
Shahjahan Road
NEW DELHI - 110 011

Telephone No.: 011-23387140
Email : ircseminar1934@gmail.com
: admn.irc-morth@gov.in
Website: www.irc.nic.in

IRC Membership No. _____	
Name	: _____
Designation	: _____
Organization	: _____
Address	: _____
:	_____
:	_____ Pin Code _____
Telephone Nos. with (STD) Code	
Office	: _____ Residence : _____
Fax	: _____ Mobile : _____
Email	: _____
Name of Spouse (If accompanying)	Age
1.	
2.	
Arrival	Departure
Date :	Date :
Time :	Time :
Mode :	Mode :
If Official, Name of Sponsor & Sanction Letter No. (copy enclosed) :	

Registration Fee :

Category of Delegates	Registration fee including GST	
	Self	Spouse
1. Official Government Delegates		
a) Senior (EE & above)	Rs.9000.00	Rs.5000.00
b) Junior (below EE)	Rs.7000.00	Rs.5000.00
2. Officials of Public and Private Sector Undertakings/Companies, etc.	Rs.9000.00	Rs.5000.00
3. Individuals (Not nominated by the Government/Public and Private Sector Undertakings/Companies, etc.)	Rs.7000.00	Rs.5000.00
4. Student Member	Rs.2000.00	--
5. International Participants (except TC 4.2 Members)	700 US \$	300 US\$

Payment Mode :

Demand draft/cheque No. _____ Dated _____	
issued by _____ drawn in favour of Secretary General, IRC payable at New Delhi amounting Rs. _____ as Registration fee is enclosed. The payment can also be sent through NEFT/RTGS. The bank details are available on IRC Website www.irc.nic.in	
Date _____ Signatures _____	
For Office Use Only	
Receipt No : _____	Dated : _____
Amount (Rs.): _____	



Ministry of
Road Transport
and Highways

INTERNATIONAL SEMINAR

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ACCOMMODATION FORM

Shri P B Prakash,
Local Organising Secretary,
SE Design,
Office of Chief Engineer,
C&B (S), Bengaluru-560001

Telephone No. :+91 9480377377
Email : losadvbridgesbengaluru24@gmail.com

IRC Membership No. _____		
Name : _____		
Designation : _____		
Organization : _____		
Address : _____		
: _____		
: _____ PinCode _____		
Telephone Nos. with (STD) Code		
Office : _____ Residence : _____		
Fax : _____ Mobile : _____		
Email : _____		
Name of Spouse (If accompanying)	Age	Veg [V] / Non-veg [N]
1.		
2.		

Arrival Date			Departure Date		
Mode	Air / Train / Bus / Car		Mode	Air / Train / Bus / Car	
Flight No.	Time	Date	Flight No.	Time	Date
Airport :			Airport :		
Train Name	Time	Date	Train Name	Time	Date
Class	Station		Class	Station	
Bus	Time:	Date:	Bus	Time:	Date:
Car	Time:	Date:	Car	Time:	Date:
Accommodation: Name of Hotel					

*Payments shall be made either in the form of Demand Draft in favour of Local Organising Secretary payable at Bengaluru for Room Accommodation. Bank details are, SBI Current Account No.37211523406, IFSC Code SBIN0040526, MS Building Branch, Bangalore-560001

Post Session Tours

Tour 1	2 Days Tour Places Covered: Beluru, Halebeedu, Shravanabelagola & Mysore sightseeing. Tour inclusion: Transport, Food & Accommodation.	Charges: Rs.5000/- per person
Tour 2	2 Days Tour Places Covered: Malemahadeshwara Hill, Biligri Hill, Shiva-na Samudra & Talakadu. Tour inclusion: Transport, Food & Accommodation.	Charges: Rs.4900/- per person
Tour 3	2 Days Tour Places Covered: Golden Temple, Cavery Nisarg Dham, Abbey Falls, Omkereshwara Temple, Bhagamandalaa, Talacavery & Nagarahole or Dubare. Tour inclusion: Transport, Food & Accommodation.	Charges: Rs.5010/- per person



INSTRUMENTATION FOR BRIDGE TESTING AND MONITORING

- ❖ Load Testing/Rating
- ❖ Structural Health Monitoring
- ❖ Cable Force Measurements
- ❖ Construction Monitoring
- ❖ Component Performance Evaluation
- ❖ Damper Performance Assessment