

## IRF-IC WEBINAR SERIES IN 2024-25

### Webinar Series during 2024-25 (Sustainable Infrastructure Development)

These webinars will be for total period of 60 minutes only. The two presenter(s) will be given 18-20 minutes each to present the details in a very elaborate manner, and then there will be Q&A session for 15 minutes. Everything will be done without a rush. There will be introduction at the beginning and Vote of Thanks at the end, which will consume the remaining 5 minutes.

Sl. No.	Tentative Topics of Webinar	Possible Speaker(s)	Date of Webinar
1.	Availability of Quality Construction Equipment for Quality Roads & Bridges <i>_Road and Bridge construction equipment, which can make major enhancement in the quality of outputs</i>	Mr Satin Sachdeva, CERA Speaker from TATA HITACHI	11 <sup>th</sup> Apr.
2.	Smart & Intelligent Equipment for Modern and Top Quality Infrastructure Developments <i>_In what way the smart and intelligent equipment can assist in realising the quality in modern infrastructures</i>	Speaker from AMMAN Speaker from Trimble	16 <sup>th</sup> May
3.	Sustainable Development of Infrastructure Using Low Carbon Cement Concrete Construction <i>_How the low carbon or no-carbon strategy in concrete can be pursued, concrete being the mostly used construction material</i>	Prof. Shashank Bishnoi, IIT Delhi Dr. Harshavardhan Subbarao / Mr. Alok Bhowmick	13 <sup>th</sup> Jun
4.	Use of Steel for Sustainable Infrastructure Development <i>_How can we change the high embedded energy status of steel for sustainable infrastructure with all possible options</i>	Prof. Mahendrakumar Madhavan, IIT Hyderabad Mr. Alok Sahay, Secretary General, Indian Steel Association	11 <sup>th</sup> Jul.
5.	Sustainable Alternative Industrial Waste Materials for Infrastructure Development <i>_What all industrial wastes having merits and availability to change the ecosystem of infrastructure developments</i>	Mr. Guru Vittal / Dr. Vasant Havanagi, CRRRI Prof (Dr.) Bhupendra Singh, IIT Jodhpur / associating person from Kansas University)	9 <sup>th</sup> Aug.
6.	New Age and Perpetual Pavement for Performance and Economy <i>_Technology and design methods for eliminating requirements of routine and periodic maintenance of road pavements</i>	Ms. Atasi Das, GR Infra (Prof. A. Veeraragavan to suggest a name)	12 <sup>th</sup> Sep.
7.	Stabilisation in Road Construction – Performance & Economy <i>_Oldest method of pavement quality enhancement still not used routinely; how can this be changed for all future works</i>	Speaker from Zydex Industries Speaker from CUBE Highways (Dr. Hari Kishan Reddy to suggest the name of the Speaker)	16 <sup>th</sup> Oct.

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8.	Revolution in Infrastructure Development by 3D Concrete Printing <i>_Penetration of this revolution is insignificant so far; how to overcome the limitations and make it for routine adoption</i>	Prof. Biranchi Panda (Dr. Panda to suggest an Industry Speaker)	13 <sup>th</sup> Nov.
9.	Sustainable Infrastructure Development with Low Carbon Strategy Aiming to Net Zero <i>_What is truly Net-Zero in terms of its dimensions; and how to reach there faster and making what efforts</i>	Mr. V. N. Heggade Ms. Tamosi Bhattacharya	12 <sup>th</sup> Dec.
10.	Future of Infrastructure Development Using Innovative Technologies/Tools <i>_Hi-tech methods of managing construction using AI, BIM, DT for optimizing on every front for best quality and economy</i>	Speakers from areas of AI, Drone, BIM/Digital Twin (TCS)	TBA
11.	Capacity Augmentation & Service Life Enhancement of Bridges <i>_Managing assets for maximizing service life and serviceability demands innovative and modern technologies</i>	Dr Anandavalli N, CSIR- SERC Dr. Gopal Rai, DGC	TBA
12.	Asset Management for Roads and Bridges <i>_Every asset be managed for maintenance management using modern tools and techniques</i>	Dr. Narayan Chandra Pal (E-in-C), Odisha Speaker from LASA on actual RAMS development	TBA