

## MEET THE NEW EXECUTIVE COMMITTEE OF IRC 2017



**Er. Nalini Kanta Pradhan**  
President

**Er. Nalini Kanta Pradhan** completed B.Sc Engg (Civil) with Hons in 1980 and M.Sc Engg (Transportation) with Hons in 1996 besides P.G. Diploma in Environmental Education & Management in 1999. In his over 33 year professional career, he has been instrumental in preparing State Road Master Plan, e-governance and Asset Management besides early completion of many Mega road & bridge projects. He has shown exemplary improvement in the overall functioning and efficiency of the Deptt. Presently he is working as E-in-C-cum-Secretary to Works Department, Govt. of Odisha.



**Mr. Manoj Kumar**  
DG(RD) & Spl. Secy. and  
Treasurer, IRC

**Shri Manoj Kumar**, IES has more than 35 years experience in the Roads/Highway Sector. He is presently working in Ministry of Road Transport & Highways as Director General (Road Development) & Special Secretary.

Shri Manoj Kumar, is a Graduate in B.Tech (Civil), (1974 - 1979), from G.B.Pant University of Technology, Nainital, Uttarakhand. He started his career in January, 1980 just after completion of his graduation, as an Engineer in the survey & investigation department for the development of the Mahi Hydel Project, at Banswara, in the State of Rajasthan.

During the period 1980, he joined as Asstt.Engineer in a newly created organization – Harijan and Nirbal Varg Awas Nigam, where he had the opportunity to work in the Planning and Construction of houses for under-privileged. During these initial years of his career, he also gained experience working at U.P. Jal Nigam, where he was involved and associated with the planning and designing of water and drainage management system.

Later on, he joined in the Regional Office, Lucknow, MoRT&H, and worked as Assistant Executive Engineer (1982-1985), where inspection of National Highways in the State, before and after monsoon, was to be carried out. He used to assist the State PWD in preparation of the proposals. Also, assisted higher officer in scrutiny of estimates pertaining to FDR/S.R for the State of Uttar Pradesh.

On promotion to the post of Executive Engineer (1985–1996), was initially posted at Guwahati in the O/o Chief Engineer where scrutinizing estimates of works pertaining to North Eastern Council – State Roads of Assam, Mizoram, Nagaland, Arunachal Pradesh & Meghalaya, were handled. He was again posted at Lucknow. On posting at the Regional Office, Lucknow, inspected National Highways within the State for assessing flood damages and identified stretches for periodic renewal and coordinated with the State PWD for compliance of the same. Then he also worked in the main Ministry dealing with works related to Bridges in the States of Madhya Pradesh, Rajasthan & Gujarat. Checking of design of various components of bridges, their estimates and approval of the same, were main part of his work. This added a new dimension to his work experience.

As Superintending Engineer (1996-2009), carried out works, related to National Highways in the State of Rajasthan. Prepared ToR for appointing consultants and played key role in upgradation from single lane to two lane of Kota Bypass. He also worked as Regional Officer, Hyderabad, where he was involved in Liaisoning with the State PWD, inventory of roads and bridges works, laying of OFC etc. During this tenure, he also acted as Head of Office & Drawing & Disbursement Officer. He was one of the few officers who handled the problem of initial implementation of new direct payment procedure. Further, he also looked after works related to finalisation of Annual Plan, scrutiny of pre-qualification & bidding documents of roads/bridges/ROBs, evaluation of proposals of retail outlets etc. on NHs in the States of Haryana, Punjab, HP, J&K, & Chandigarh.

On promotion to the post of Chief Engineer (2009-2014), works related to development of National Highways, examination of proposals regarding development of State roads, NOC proposals for access permission received from oil companies in the States of Chhattisgarh, Orissa, Maharashtra, Karnataka, M.P., Goa, U.P., Uttarakhand, Delhi, & H.P. were being looked after. During this tenure, he was also assigned work of Monitoring Zone to monitor the progress of all the on-going research schemes. Under S&R(Roads) Zone, played key role in preparation of policy guidelines on Modified Bitumen in binder layers, E-tendering, retail outlet etc. Several PPP Projects were also processed for award under NHDP-IV zone.

As Additional Director General (2014-2017) supervised the work of Planning, Monitoring and Standards.

On taking over charge as DG(RD)&SS, he is concerned with matters related to

- Advising the Government on all general policy matters relating to Development &
- Maintenance of Roads, National Highways in the States and Union Territories
- Administration of Central Road Fund ( CRF) pertaining to State Roads other than rural roads
- Evaluation and Specification of Standards for Roads and Bridges.

Specialised training abroad:

- Attended 60 days training under JICA at Japan
- Attended 45 days training on Highways & Tunneling at Japan

Membership of Professional Societies:

- Life Member, Indian Roads Congress
- Convenor of General Specifications & Standards (GSS), Bridge Specification and Standard ( BSS), Highway Specification & Standards (HSS)
- Chairman, Highways research Board (HRB)
- Member of High Power Committee
- Honorary Treasurer, Indian Roads Congress



**Mr. Sanjay Kumar Nirmal**  
Secretary General

**Shri Sanjay Kumar Nirmal**, IES is looking after the work of Secretary General at Indian Roads Congress w.e.f 3<sup>rd</sup> April, 2017.

Shri Nirmal Graduated in 1983 from Malaviya National Institute of Technology, Jaipur in Civil Engineering with Honours. M.B.A. in 1990 from R.A. Poddar Institute of Management, Jaipur. Master of Science (MS) in 1998 from Delft University of Technology/IHE, Delft, the Netherlands and Diploma course in French language from University of Rajasthan.

Prior to joining Ministry of Road Transport and Highways in 1986 as Assistant Executive Engineer through CES(Roads) Shri Nirmal worked in Engineers India Limited from 1984 to 1986 at Bombay Offshore project, Uran and Guwahati refinery expansion project at Guwahati.

From 1986 to 1991 worked at Ministry's Regional office, Jaipur and worked in project zones at headquarter from 1991 to 1996. As regional officer in Guwahati during 1998-2001 initiated direct payment system in Assam and Nagaland which was subsequently implemented throughout the country.

Thereafter, he worked in National Highways Authority of India during 2003-2009 as General Manager and 2009-10 as Chief General Manager (Tech) and CGM(Coordination). As GM, NHAI looked after BOT division and was nodal officer for all PPP matters including finalization of Model documents for BOT(Toll) and BOT(Annuity) as a member of Inter-Ministerial Group set up for this purpose. Afterward, he worked in various capacities in DPR cell of IAHE, Bridge Standards and Research zone of Ministry, NER zone, Ministry's PMU, at Arunachal Pradesh.

Shri Nirmal is recipient of Pt Jawaharlal Nehru Birth Centenary Award for outstanding contribution to Highway profession given by Indian Roads Congress in 2003.

He has also contributed number of Technical Papers in various IRC Journals, national and international seminars. He has chaired many technical sessions in conferences organised by CSIR-CRRI, by Ministry of Environment, Forest and Climate Change by International Road Federation and IABSC.

He was Corresponding Member of Technical Committee on Flexible and Semi-Rigid Pavement (D.2.b) of World Road Association, Paris during 2008-2011.

He is closely associated with IRC for last three decades and contributing immensely in various technical committees for formation of codes/guidelines/manuals. He is active member of IRC Apex technical committees viz Highway Specification and Standards committee (HSS), General Specification and Standards committee (GSS); Co-Convener of IRC H4 Committee (Embankment, Ground Improvement and Drainage Committee), and Member-Secretary of G1 committee "Project Preparation, Contract Management, Quality Assurance & Public Private Partnership Committee". He also served as Member-Secretary of IRC H-2 Committee "Flexible Pavement Committee" for 9 years.

He is Guest faculty for various national and international training programmes organized by Indian Academy of Highway Engineers, Noida and Guest Faculty for Indian Railways Institute for Civil Engineers (IRICEN), Pune.



**Dr Shyam Sunder Porwal, VSM**  
Immediate Past President, IRC

**Dr. S.S. Porwal** graduated in Civil Engineering with Honours from MBM Engineering College

Jodhpur in 1978, Mastered from IIT, Delhi in 1987 and rewarded with Doctorate by NIT Silchar in 2015. Dr. Porwal joined BRO in 1980 through CES-1978 exam, UPSC. He commanded four Chief Engineer Projects in North East, two Task Force Commands, two Road Construction Companies and two Platoon Commands. During his long service career of over 36 years including 26 years in Remote/Inaccessible areas of NER (North-Eastern Region), some of the outstanding achievements during his long service career includes, early opening of Manali-Sarchu Axis which facilitated timely induction of troops during OP Vijay in 1999; Restorations of Hindustan Tibet (H-T) road in Satluj Valley on war footing after devastating floods of 31st July/01 Aug night of year 2000; with his out of box innovative ideas, successful construction of Sonapur Cut & Cover structure as a mitigation measure to the chronic and notorious Sonapur landslide which was adversely affecting 4 NE States and 16 million people, the concept was replicated to mitigate the similar chronic and notorious Bardang landslide on NH -10 in Sikkim successfully besides upgradation to double lane of JNM road leading Nathula Pass from Gangtokon NH-10. In recognition of outstanding work and exemplary service rendered in NER, he was awarded with VISHISHT SEVA MEDAL (VSM) in 2001.

He served as Vice-President of IRC in 2014 also. At present, he is promoted as Addl. DG in 2015 and posted at Guwahati, in charge of NE Region, the newly created wing. He is also Convenor of H-10 (2015-17) Technical Committee on Hill Roads and Tunnels.



**Shri Vinod Kumar**  
Vice President, IRC

**Shri Vinod Kumar** completed B.Sc. Engg (Civil) in 1980 and continued for M.Tech in Structures from same College i.e. Punjab Engineering College, Chandigarh. During his 33 years plus professional career he served in various difficult and inhospitable terrains and has handled many important command and staff appointments. Before his promotion to the rank of Chief Engineer and placed as Dy Director General in charge of planning and monitoring at HQ DGBR in 2005, he worked in project Chetak (Rajasthan), Project Pushpak (Mizoram) and as Deputy Director (Bridges) at Hq. He surveyed Asian Highway (AH-I) in Myanmar for International connectivity from eastern states of India to Thailand via Myanmar. As project Chief Engineer, he commanded three Projects – namely Project Chetak in

Rajasthan (2006-2008), Project Pushpak in Mizoram (2008-2011) and Project Sewak in Nagaland (2013-2015). He was again placed as Dy Director General (Bridging & Tunnels) at HQ DGBR, New Delhi in the intermittent period (2011-2013).

Besides construction of buildings and roads, he was involved in design of several important major permanent bridges viz 764 m span Passighat bridge on River Siang, 410 m span Parashuramkund bridge on River Lohit, bothe in Arunachal Pradesh, 592 m span cable stay Basoli bridge across River Chenab etc. He has been actively participating in various Technical Seminars, consortiums and also published a technical paper on road and bridge works with special reference to use of bitumen emulsion during 1984-85.

Presently he is working as an **Additional Director General Border Roads** at New Delhi and looking after the overall functioning of the Organisation.





**Shri K.S. Krishna Reddy**  
Vice President, IRC

**Shri K.S. Krishna Reddy** Graduated in Engineering and M.Sc. in Engineering from Govt. B.D.T. Collage of Engineering, Davanagere – Mysore University. After working in academic field for 4 years in 1991, joined Karnataka PWD as AEE – Grade 1. He was promoted as Chief Engineer in 2007 and worked in roads and NH Zones. Since 2013 he has been working as Managing Director, Karnataka Road Development Corporation Ltd. Bangalore.

In his professional career of over 31 years he has received many awards and Honour including Bharatha Ratna Sir M. Visweswaraiiah Best Engineer Awarded by Govt. of Karnataka in 2014 and visited several countries including USA, Australia, New Zeland, Philippines, Thailand, Nepal etc.



**Shri P. Ravinder Rao**  
Vice President, IRC

**Shri P. Ravinder Rao**, graduated from Osmania University in Civil Engineering in the year 1981 with Gold Medal, did Masters in Structural Engineering from JNTU, Hyderabad. In 1982, he Joined Roads & Buildings Department as Deputy Executive Engineer. In his professional career of nearly 35 years, he worked in design wing and handled mega projects like Bridges across River Godavari. During his tenure in HUDA (now HMDA) in 2002 he completed work of Lumbini Park and involved in prestigious Hyderabad Outer Ring Road Project.

He also worked in NHAI as GM for over 7 years since 2005 and handled number of mega projects on NS Corridor including Agra to Nagpur and Kurnool – Nagpur and Hyderabad-Yadagirigutta besides Hyderabad-Vijayawada Projects. Shri Rao was promoted as Chief Engineer in 2012 and posted as Chief Technical Examiner (R&B) Deptt. He was promoted as E-in-C (R&B) in 2013 and after bifurcation of Andhra Pradesh, has since been working as E-in-C (R&B) Telangana State.



**Shri Pravin Kumar Chharia**  
Vice President, IRC

**Shri Pravin Kumar Chharia** is a Commerce Graduate from St. Xaviers College of Kolkata. In 1984, he started the business with Roof Treatment Plant successfully. Then since 1994 he has been engaged in Manufacturing of special bituminous products for road construction and up gradation of roads in Eastern India and introduced a branded bitumen product known as ECOFRIENDLY Cationic Bitumen Emulsion which made commendable construction in Road construction, operation and Maintenance. He is strong believer of collective wisdom through the platform provided by IRC in order to achieve the fruitful results in the larger interest of Highway Industry.