

**International Conference on
New Technologies and Sustainable Materials in Construction of Rural
Roads (Low Volume Roads) and Bridges
24th to 26th May 2022**

Organised by:

- 1. National Rural Infrastructure Development Agency (NRIDA),
Ministry of Rural Development (MoRD), Govt of India**
- 2. Indian Roads Congress (IRC), New Delhi**

Day	Time	Topic	Speaker	
24th May 2022 Wednesday	10:00-11:30	Inaugural Session		
		Welcome address by Additional Secretary (RD), MoRD and DG, NRIDA	Dr. Ashish Kumar Goel	
		Inauguration of conference by Hon'ble Minister of Rural Development and Panchayat Raj	Shri Giriraj Singh	
		Address by Professor Civil Eng, IIT, Madras	Prof A. Veeraragavan	
		Key note address by Secretary, MoRD	Shri Nagendra Nath Sinha	
		Address by Hon'ble Minister of State, MoRD, GoI	Hon'ble Minister Smt. Sadhvi Niranjan Jyoti	
		Address by Hon'ble Minister of State for Rural Development, MoRD, GoI	Hon'ble Minister Shri Faggan Singh Kulaste	
		Address by Hon'ble Minister of Rural Development and Panchayat Raj	Hon'ble Minister Shri Giriraj Singh	
		Vote of Thanks	Director, NRIDA	
	11:30-12:00	Inauguration of Exhibition by Hon'ble Minister of Rural Development and Panchayat Raj	Hon'ble Minister Shri Giriraj Singh	
	12:00-12:30	<i>Coffee/Tea</i>		
	Session-I			
	12:30-13:00	Key Note Lecture -1 – Sustainable Low Volume Roads – International Best Practices on Use of New Materials and Technologies	PIARC Dr. Phill Page Green, South Africa (TBC)	
13:00 -14:00	<i>Lunch</i>			
Session-II				
14:00-14:30	Key Note Lecture - 2 – Pradhan Mantri Gram Sadak Yojana- Past, Present and Future	Dr. Ashish Goel, DG, NRIDA (C)		
14:30-14:50	Technical Lecture 1 – New Materials and Technologies in Rural Roads	Dr. Sudhakar Reddy, IIT, Kharagpur (C)		
14:50-15:20	Technical Lecture 2 – Sustainable Stabilization methods in low volume roads	Dr. Anand Puppala, Texas A&M University (C)		

	15:20-15:35	Coffee/Tea	
	Session-III		
	15:35-16:00	Technical Lecture 3 - Bitumen Stabilised Materials	Prof Kim J Jenkins, kjenkins@sun.ac.za , + 27 21 808 4379, + 27 82 920 7859 (C)
	16:00-16:30	Technical Lecture 4 - Asset Management of Low Volume Roads in New Zealand	Shri. Ravi Kiran, Lonrix (C)
	Presentations by Technology providers		
	16:30-16:40	1	
	16:40-16:50	2	
	16:50-17:00	3	
	17:00-17:10	4	
	17:10-17:20	5	
	17:20-17:30	6	
	17:30-17:40	7	
	1740-1750	8	
	1750-1800	9	
25 May 2022 Thursday	Session-IV		
	10:00-10:20	Technical Lecture 5 – Cold Recycling for Rural Roads	Dr.Ambika Bhel, CRRI (C)
	10:20-10:40	Technical Lecture 6 – Intelligent Compaction for Improved Performance of Rural Roads	Dr. Anjan Kumar, IIT Guwahati (C)
	10:40-11:00	Technical Lecture 7 - Cement Treated Bases for Construction of Cost Effective Rural Roads	Dr. Umesh Sahoo, IIT Bhubaneshwar (C)
	11:00-11:20	Technical Lecture 8 – Full Depth Reclamation with Cement and admixtures	Shri Guru Vittal , CRRI (C)
	11:20-11:40	Technical Lecture 9 – Panelled Concrete – Design, Construction and Performance	Dr. Amarnath Reddy, IIT, Kharagpur (C)
	11:40-12:00		Dr Carsten Karcher - Secretary General EAPA (TBC)
	12:00-12:10	Coffee/Tea	
	Session-V		
	Presentations by Technology providers		
12:10-12:20	10		
12:20-12:30	11		
12:30-12:40	12		
12:40-12:50	13		
12:50-13:00	14		
13:00-14:00	Lunch		

Session- VI			
14:00-14:25	Technical Lecture-11 – Asset Management and latest technologies including choice of treatment	Kieran Kelly (C)	
14:25-14:50	Technical Lecture 12 – Low-Cost Surfacing with a focus on Chip Sealing	Dr Gerrie Van Zyl, South Africa (C)	
14:50-15:00	<i>Coffee/Tea</i>		
Session- VII			
15:00-15:25	Technical Lecture-13 - Recent advances in materials and technologies for low volume roads and retaining walls	Dr Jie Han, The University of Kansas (C)	
15:25-15:50	Technical Lecture-14 – Innovations in Technologies, materials, and designs for long lasting low volume roads	Dr Manik Burman Minnesota University (C)	
15:50-16:15	Technical Lecture-15 – Promoting Sustainable and climate resilience materials for rural roads – UK Case Studies	Dr. Iswandar Widyatmoko AECOM, UK (C)	
16:15-16:40	Technical Lecture-16 – Full Depth Reclamation - Experiences	Prof. Soheil Nazarian, University of Texas at El Paso (C)	
16:40-17:00	Technical Lecture-17 – Asset Management Systems in Rural Roads	Prof. A. Veeraragavan, IIT, Madras (C)	
Presentations by Technology providers			
17:00-17:10	15		
17:10-17:20	16		
17:20-17:30	17		
17:30-17:40	18		
17:40-17:50	19		
17:50-18:00	20		
26 May 2022 Friday	Session-VIII		
	10:00-10:20	Technical Lecture 18 – Waste Plastic in Bituminous Mixes for Low Volume Roads – Indian Experience	Dr. Nikhil Saboo, IIT Roorkee (C)
	10:20-10:40	Technical Lecture 19 – Experiences on use of Coir in Rural Roads	Dr. Sunitha, NIT, Tiruchirappalli (C)
	10:40-11:00	Technical Lecture 20 – Indian Experiences by SRRDA, Technology providers	(TBC)
	11:00-11:20	Technical Lecture 21 – Indian Experiences by SRRDA, Technology providers	(TBC)
	11:20-11:30	<i>Coffee/Tea</i>	
	Session-IX		

	11:30-11:50	Technical Lecture 22 – Challenges and solutions in Hill Road Construction: Indian Experiences	Shri. Rajeev Chandra, Executive Engineer, BRO (C)
	11:50-12:10	Technical Lecture-23 - Cement Grouted Bituminous Macadam (CGBM)	Dr Manoj Shukla, CRRI, New Delhi (C)
	12:10-12:30	Technical Lecture – 24 - Modular bridges	Shri. Alok Bhowmik, B&S Engineering Consultants Pvt Limited (C)
	12:30-12:45	Technical Lecture – 25 – New Initiatives for Faster Construction of Bridges	Dr. Atorod Azizinamini (C)
	12:45-13:00	Technical Lecture – 26 – Self-Healing And Carbon-Neutral Concrete Materials for Rural Roads and Bridges in India	Dr. Nemkumar Banthia, Canada (C)
	1300-1400	Lunch	
	Session-X		
	14:00-14:30	Technical Lecture 27 – Hungarian experiences in innovative low-volume road pavement structures	Dr. Gaspar (C)
	14:30-15:00	Technical Lecture-28 – Use of GIS and AI in planning and monitoring of rural roads	Shri. Harsh Nisar (C)
	15:00-15:30	<i>Coffee/Tea</i>	
	Panel Discussion		
	15:30-17:00	Panel Discussion – New Technologies and Sustainable Materials in Construction of Low Volume Roads (Rural Roads) and Bridges- Way Forward	DG, MORD, Chair Panelists: 1. Shri.B.C. Pradhan 2. Dr. I. K. Pateriya 3. Shri. Sanjay Nirmal 4. Dr. Praveen Kumar 5. Dr. Krishna Prapoorna 6. Shri. Mahesh Tandon/ Subba Rao 7. Shri. Doddihal
	17:00-17:30	Valedictory Session	

Key Note Lecture – 2 Nos (1 international and 1 Domestic) **(TBC- International expert)**

Technical Lecturer – 28 Nos

International Experts - 14 (Confirmation received – 13 Nos)

Domestic experts - 14 (Confirmation received – 12 Nos)

Technology providers' presentations – 20 Nos