

**International Conference on  
New Technologies and Innovations in Rural Roads  
24<sup>th</sup> to 26<sup>th</sup> May 2022**

**Organised by:**

- 1. National Rural Infrastructure Development Agency (NRIDA),  
Ministry of Rural Development (MoRD), Govt of India**
- 2. The World Bank, India**

<b>Day</b>	<b>Time</b>	<b>Topic</b>
<b>24<sup>th</sup> May 2022 Tuesda y</b>	1000-1002	Inauguration of the conference by lightening of Lamp
	1002-1012	Welcome address by Dr. Ashish Kumar Goel, Additional Secretary (RD), MoRD and DG, NRIDA
	1012-1017	Address by Shri Sanjay Nirmal, Secretary General IRC & ADG Roads, MoRTH
	1017-1024	Address by Shri. Hartwig Schafer, Vice President, South Asia Region World Bank
	1024-1039	Key note address by Shri Nagendra Nath Sinha, Secretary, MoRD
	1039-1044	Address by Smt. Sadhvi Niranjana Jyoti, Hon'ble Minister of State, MoRD, GoI
	1044-1049	Address by Shri Faggan Singh Kulaste, Hon'ble Minister of State for Rural Development, MoRD, GoI
	1049-1054	Release of New Technology Vision 2022, Technical Documents of the conference and other documents by Hon'ble Minister and all dignitaries on dias
	1054-1109	Address by Shri Giriraj Singh, Hon'ble Minister of Rural Development and Panchayati Raj
	1109-1112	Vote of Thanks by Dr. I. K. Pateriya, Director (P-III) & Chief Quality Coordinator, NRIDA
	1112-1200	Inauguration of Exhibition by Shri Giriraj Singh, Hon'ble Minister of Rural Development and Panchayati Raj
1200-1230	<b>High Tea</b>	

Day	Time	Topic	Speaker
24 <sup>th</sup> May 2022 Tuesday	<b>Session-I Key Note Addresses</b>		
	1230-1250	<b>Key Note Lecture 1</b> - Pradhan Mantri Gram Sadak Yojana- Past, Present and Future	Dr. Ashish Kumar Goel, Additional Secretary, MoRD and DG, NRIDA, GoI
	1250-1310	<b>Key Note Lecture 2</b> - Use of Alternate Technologies and Materials in the Construction of Low Volume Rural Roads	Dr. Philip Paige-Green, South Africa. <b>(Through VC)</b>
	1310-1330	<b>Key Note Lecture 3</b> - Experience of Low Volume Rural Roads	Shri. Guangzhe Chen, Global Director Transport, World Bank <b>(Through VC)</b>
	1330-1350	<b>Key Note Lecture 4</b> - New Materials and Technologies for Rural Roads	Dr. Sudhakar Reddy, IIT, Kharagpur
	1350 -1445	<b>Lunch</b>	
	<b>Session-II Full Depth Reclamation and Stabilization Technology in Rural Roads</b>		
	1445-1505	<b>Technical Lecture 1</b> - Sustainable Stabilization methods on low volume roads	Dr. Anand J.Puppala, Texas A&M University <b>(Through VC)</b>
	1505-1525	<b>Technical Lecture 2</b> - Cement Treated Bases for Development of Cost-Effective Rural Roads	Dr. Umesh Sahoo, IIT Bhubaneswar
	1525-1545	<b>Technical Lecture 3</b> - Full Depth Reclamation Using Portland Cement	Shri Guru Vittal, Chief Scientist, CRRI
	1545-1605	<b>Technical Lecture 4</b> - ERA of Adoption of New Technology: Full Depth Reclamation (FDR) in the State of Uttar Pradesh	Shri Manoj Kumar Singh Additional Chief Secretary, Rural Development Department, Uttar Pradesh.
	1605-1625	<b>Technical Lecture 5</b> - Guidelines for using local materials for roadway base and subbase of Low Volume roads	Prof. Soheil Nazarian, University of Texas at El Paso <b>(Through VC)</b>
	1625-1645	<b>Coffee/Tea</b>	
	<b>Session-III Presentations by Technology providers</b>		
	1645-1655	1. Zydex Industries Private Limited	
	1655-1705	2. M/s Elmer Enterprises, Team PowerCem India	
	1705-1715	3. WIRTGEN INDIA Pvt. Ltd	
1715-1725	4. Vishwa Samudra Engineering Pvt Limited		
1725-1735	5. Trans Asian Techno Pvt. Limited		
1735-1745	6. KABA Infratech Pvt. Limited		
1745-1805	7. Complete Instrumentation Solutions Private Limited		

Day	Time	Topic	Speaker
25 <sup>th</sup> May 2022 Wednesd ay	<b>Session-IV New Technologies in Rural Roads</b>		
	1000-1020	<b>Technical Lecture 6</b> – Application of Cold Recycling for Rural Roads	Dr. Ambika Behl, Principal Scientist, CRRI
	1020-1040	<b>Technical Lecture 7</b> – Intelligent Compaction for Improved Performance of Rural Roads	Dr. Anjan Kumar, IIT Guwahati
	1040-1100	<b>Technical Lecture 8</b> – Design of short Panelled Concrete Pavements for Low Volume Roads	Dr. Amarnath Reddy, IIT, Kharagpur
	1100-1120	<b>Technical Lecture 9</b> – Overview of Low Volume Roads in Europe	Dr. Breixo Gómez Mejjide, Technical Director, EAPA <b>(Through VC)</b>
	1120-1140	<b>Technical Lecture 10</b> – Waste Plastic in Bituminous Mixes for Low Volume Roads – Indian Experience	Dr. Nikhil Saboo, IIT Roorkee
	1140-1200	<b>Technical Lecture 11</b> – New Technologies and Innovations in Rural Roads - India	Shri. Gordan Keller, Forest Services, USA <b>(Through VC)</b>
	1200-1220	<b>Technical Lecture 12</b> – Experiences on use of Coir in Rural Roads	Dr. Sunitha, NIT, Tiruchirappalli
	1220-1240	<b>Coffee/Tea</b>	
	<b>Session-V Presentations by Technology Providers</b>		
	1240-1250	1. BitChem Asphalt Technologies Limited	
	1250-1300	2. Ammann India Private Limited	
	1300-1310	3. National Jute Board, Kolkata	
	1310-1320	4. Tiki Tar and Shell India Pvt Ltd,	
	1320-1330	5. V V Autotest Systems Pvt Limited	
	1330-1440	<b>Lunch</b>	
	<b>Session-VI Asset Management</b>		
	1440-1500	<b>Technical Lecture 13</b> – A Framework for Road Asset Management	Shri. Rob Geddes, Consultant, CDSA, Africa <b>(Through VC)</b>
	1500-1520	<b>Technical Lecture 14</b> – Preventive maintenance and performance-based maintenance contracts for Asset Management of rural roads	Prof. A. Veeraragavan, IIT, Madras
	1520-1540	<b>Technical Lecture 15</b> - International best practices in the provision of Low volume Roads	Shri. Mike Pinard, Infra Africa Consultant, South Africa
	1540-1600	<b>Technical Lecture 16</b> – Promoting Sustainable and climate resilience materials for rural roads – UK Case Studies	Dr Iswandar Widyatmoko AECOM, UK <b>(Through VC)</b>
	1600-1620	<b>Technical Lecture 17</b> – Road Asset Management for Rural Roads	Shri. Ian Greenwood, New Zealand Shri. Scott Bloxsom, Senior Adviser, International Road Federation
	1620-1640	<b>Coffee/Tea</b>	
<b>Session- VII Innovations in Materials and Technologies</b>			
1640-1700	<b>Technical Lecture 18</b> - Cement Grouted Bituminous Mix for longevity of flexible	Dr Manoj Kumar Shukla, Principal Scientist, CRRI, New	

		pavements	Delhi
1700-1720	<b>Technical Lecture 19</b>	- Innovations in Technologies, materials, and designs for long lasting low volume roads	Dr Manik Burman Minnesota University <b>(Through VC)</b>
1720-1740	<b>Technical Lecture 20</b>	- Sustainable Practises of Cold Recycling of Roads leads to Sustainable Performance	Prof Kim J Jenkins, Stellenbosch University, South Africa. <b>(Through VC)</b>
1740-1800	<b>Technical Lecture 21</b>	- Pervious concrete pavement systems for low-volume road applications	Dr. B. Krishna Prapoorna, IIT, Tirupati

<b>26<sup>th</sup> May 2022 Thursday</b>	<b>Session-VIII Rural Transport Services</b>		
	1000-1020	<b>Technical Lecture 22</b> - Accessibility and Mobility in rural areas	Shri. Souleman Oussiman, Margo Briessinck, PIARC <b>(Through VC)</b>
	1020-1040	<b>Technical Lecture 23</b> - Rural Transport Services	Shri. Paul Starkey, Transport Services Expert, UK
	1040-1100	<b>Technical Lecture 24</b> - Livelihoods through road maintenance international experience (ILO)	Shri. Tomas Stenstrom, Chief Technical Advisor, ILO
	1100-1120	<b>Technical Lecture 25</b> - Low-Cost Surfacing with a focus on Chip Sealing	Dr Gerrie Van Zyl, Director, Mycube Asset Management Systems (Pty) Ltd, South Africa. <b>(Through VC)</b>
	1120-1140	<b>Technical Lecture 26</b> - Climate Resilience and Adaption in Road Asset Management System	Mr. Nkululeko Leta, Associate Member, PIARC Technical Committee (World Road Organisation)
	1140-1200	<b>Coffee/Tea</b>	
	<b>Session-IX Hill Roads, Climate Resilience and Bridges on Rural Roads</b>		
	1200-1220	<b>Technical Lecture 27</b> - Effectiveness of Traffic Signs and Road Furniture on Compliance & Road user Behaviour- A Rural Road Study	Shri. Gaurang Joshi, SVNIT, Surat
	1220-1240	<b>Technical Lecture 28</b> - Technologies and Practices to enhance Resilience	Dr. Tran Thi Kim Dang, The University of Transport and Communications, Vietnam
	1240-1300	<b>Technical Lecture 29</b> - Modular Pre-Engineered Bridge Systems - For Permanent, Emergency, and Temporary Applications	Shri. Alok Bhowmik, B&S Engineering Consultants Pvt Limited
	1300-1320	<b>Technical Lecture 30</b> - Challenges and solutions of Hill Road Construction: Indian Experiences	Shri. Rajeev Chandra, Border Roads Organisation
	1320-1400	<b>Lunch</b>	
	<b>Session-X Planning, and GIS</b>		
1400-1420	<b>Technical Lecture 31</b> - Hungarian experiences in innovative low-volume road pavement structures	Dr. Laszlo Gaspar, KTI - Road and Bridge Centre, Budapest, Hungary. <b>(Through VC)</b>	
1420-1440	<b>Technical Lecture 32</b> - Data-Driven Planning of Rural Roads: Algorithms, Geographic Information System (GIS) and Process Re-engineering in PMGSY-III	Shri. Harsh Nisar, MoRD, New Delhi.	
1440-1500	<b>Technical Lecture 33</b> - Performance Assessment of Rural roads in Maintenance: Development and Implementation of an objective evidence-based IT solution in PMGSY	Shri. Pradeep Agarwal, Director (Projects-I), NRIDA, New Delhi	
1500-1520	<b>Technical Lecture 34</b> - Linking Farms to Markets- Experience from Malawi	Ms. Flora Hauya, Shri. Sharmey Banda Senior Engineer, Roads Authority, Malawi	

	1520-1540	<b>Technical Lecture 35</b> - Maintenance and Financing Practices	Shri. Yetemgeta Asrat, Deputy Director General of Ethiopian Roads Administration
	1540-1600	<b>Coffee/ Tea</b>	
	<b>Panel Discussion &amp; Valedictory Session</b>		
	1600-1730	Panel Discussion – New Technologies and Innovations in Rural Roads- Way Forward	<ol style="list-style-type: none"> <li>1. Shri Nagendra Nath Sinha, Secretary, MoRD</li> <li>2. Dr. Ashish Kumar Goel, Additional Secretary/ DG, NRIDA</li> <li>3. Prof. A. Veeraragavan, IIT, Madras</li> <li>4. Dr. Praveen Kumar, IIT, Roorkee</li> <li>5. Representatives from States</li> <li>6. Representatives from World Bank</li> </ol>