Work Report of
Traffic Engineering and Safety Division

By
Dr. Nishi Mittal
Scientist G and Head TES Division
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1. Dr. Nishi Mittal, Chief Scientist
2. Dr. Neelima Chakrabarty, Principal Scientist
3. Dr. S. Velmurugan, Principal Scientist
4. Sh. Subhash Chand, Senior Scientist
5. Dr. Neelam J Gupta, Senior Scientist
6. Sh. A. Mohan Rao, Senior Scientist
7. Dr. J. Nataraju, Senior Scientist
8. Sh. Sher Singh, Senior Technical Officer (3)
9. Ms. Kamini Gupta, Senior Technical Officer (1)
10. Sh. S.K. Ummat, Senior Technician (2)
11. Sh. S.P. Gautam, Senior Technician (2)
12. Sh. S.K. Biswas, Senior Technician (2)
13. Sh. Satyabir Singh, Sr. Technician (1)
14. Sh. Rajan Verma, Technical Assistant
15. Mr. Daleep Kumar Mutreja, PA
16. Smt. Sushma Behl, Laboratory Assistant
17. Sh. Narender Kumar, Lab. Assistant
18. Mr. Jaglal Mehto, Laboratory Attendant (2)
19. Smt. Raj Bala, Work Assistant
## Projects of TES Division

<table>
<thead>
<tr>
<th>Total Projects</th>
<th>24</th>
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<tbody>
<tr>
<td>1. In-house Research Projects</td>
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<tr>
<td>(i) 2011-12 Completed</td>
<td>3</td>
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<tr>
<td>(ii) 2012-13 (On-going)</td>
<td>3</td>
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<tr>
<td>2. Sponsored Research Projects</td>
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<tr>
<td>3. Consultancy Projects</td>
<td>14</td>
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<tr>
<td>(i) Completed</td>
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<tr>
<td>(ii) On-going</td>
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<tr>
<td>S.No.</td>
<td>Project Number</td>
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<tr>
<td>1</td>
<td>OLP-469</td>
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<td>OLP-483</td>
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<tr>
<td>1</td>
<td>CSIR Sponsored project with NIMHANS, Bangalore</td>
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<td>2</td>
<td>CSIR Sponsored project with IISC, Bangalore</td>
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<tr>
<td>3</td>
<td>CSIR Sponsored Project</td>
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<td>4</td>
<td>MOSRTH, Sponsored Project</td>
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## Consultancy Projects

<table>
<thead>
<tr>
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<th>Title</th>
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<tbody>
<tr>
<td>11</td>
<td>CNP-1805</td>
<td><strong>Driver Diagnostics and Evaluation</strong></td>
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<tr>
<td>12</td>
<td>CNP-1823</td>
<td><strong>Driver Diagnostics and Evaluation</strong></td>
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<td>13</td>
<td>CNP-1622</td>
<td>Mobility Plan of Lucknow-Traffic Studies for Preparation of Transport System Management Plan for Selected Major Corridors of Lucknow City, Sponsored by Lucknow Development Authority (LDA)</td>
<td>Completed</td>
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<td>14</td>
<td>CNP-1606</td>
<td><strong>Traffic and Air Pollution Survey on Road Network Connecting Darlaghat-Ropar and Darlaghat-Nalagarh, Sponsored by M/s Ambuja Cement Pvt Ltd.</strong></td>
<td>Completed</td>
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Papers Published 33

1. SCI Journal  6
2. Indian Journal  7
3. Conference  20


SCI Journal:


5. Anjlee Agarwal, Nidhi Madan, Neelima Chakrabarty and Debabrata Chakrbarti “Accessible & Safe Traffic Environment For Disabled School Children” Paper Published in Social Research In Transport (SORT), Australian Research Council, Transport Management, Australia, 2011


Papers Published

Indian Journal:


Conferences:

1. Dr. Nishi Mittal attended and delivered a talk on the WHO Round Table Conference on 21.2.12 at Le Meridian Janpath organized by Country office WHO


Conferences:


5. K.Ravinder, E Madhu, and S Vel murugan, ‘Travel Demand Management Strategies at Urban Centres in India’ submitted to Urban Mobility –Challenges, Solutions and Prospects, to be held at IIT Madras, from July 13-14, 2012.
Conferences:


Conferences:

12. Rajesh Kumar, Rajeev J. Michael, Manoj K. Sharma, Paulomi M. Sudhir, Neelima Chakravarthy & Seema Mehrotra “Profiling riding behaviors and experiences associated with self reported problematic anger among two-wheeler riding young men” 38th National Conference of Indian Association of Clinical Psychologists (IACP) which was held during 27-29 January 2011, at Pune. (CSIR Sponsored Project)


14. Rajeev J. Michael, Rajesh Kumar, Manoj K. Sharma, Paulomi M. Sudhir, Neelima Chakravarthy & Seema Mehrotra “Inclination to speeding and its correlates among two wheeler riding young me” 38th National Conference of Indian Association of Clinical Psychologists (IACP) which was held during 27-29 January 2011, at Pune. (CSIR Sponsored Project)
Conferences:


17. Neelima Chakrabarty, Nishi Mittal, Purnima Parida “Mobility And Accessibility Problems Of Elderly Drivers In India” Accepted for International Conference on “Mobility and transport for Elderly and Disabled Persons”, Sept 17-21, 2012.

Conferences:

19. Dr. Nishi Mittal and Dr. S. M. Sarin, Safety, Environmental and Economic Aspects of Concrete Roads, Published in Symposium proceedings of Concrete roads held on 24.8.2012 at CRRI.

Dr S. Velmurugan led the team of delegates from India (Prof. Tom Mathews, Prof. Lelitha, Dr. Suseshna Mitra and Ms. Deepti Swamy) and Organized and Chaired the session on Intelligent Transport System in the Fourth 2012 Indo-US Frontiers of Engineering Symposium held at Hyatt Regency Crystal City, Washington D.C., February 29 - March 3, 2012.
Members of National Level Committee

2011-12

1. Dr. Nishi Mittal was nominated as Nodal officer for preparing Road Safety Action Plans for Ministry of Health & Family Welfare

2. Dr. Nishi Mittal was nominated as a member of the core committee for Trauma Care Research of Road Accidents Victims (ICMR)

3. Dr. Nishi Mittal was nominated as the member of the Standing Cost Committee (MOSTRH)

4. Dr. Nishi Mittal was nominated as a Member of Expert Group[ for Second Global Status Report on Road Safety (WHO)

5. Dr. Nishi Mittal was nominated as a member of Expert Group on Modes of Transport for MBA Course Material for IGNOU (IRC)
6. Dr. Nishi Mittal was nominated as a Member of H-1 Committee of IRC.

7. Dr. S. Velmurugan was nominated as a Member-Secretary of H-1 Committee or IRC.

8. Dr. Nishi Mittal was nominated as Member of Accident Data collection & Analysis Committee (MOSRTH)

9. Dr. S. Velmurugan & Mr. Subhash Chand have been nominated as Member of Road Safety Audit & Traffic Engineering Committee (MOSRTS)
10. Dr. Nishi Mittal was nominated as Member of Road Safety committee (H-7 (IRC))

11. Dr. S. Velmurugan has been nominated as Member-Secretary of H-1 Committee (IRC)

12. Mr. Subhash Chand has been nominated as Member of H-1 Committee Accident Data collection & Analysis Committee (MOSRTH)

13. Dr. Nishi Mittal has been nominated as member of RS-10 WHO Committee on Road Safety (WHO)

14. Dr. Neelima Chakrabarty has been nominated as Board of Director in Samarthym National Centre for Barrier Free Environment

15. Dr. Neelima Chakrabarty Has been nominated as Coordinator in Nav Chetna.com Delhi Police initiative for Anti Aggression among Youth
Workshops/Training Programs

Regular Training Programmes
1. Traffic Engineering and Transportation Planning
2. Driver Diagnostics, Performance, Evaluation and Training
3. Road Safety Audit

Customised Training Programmes
4. Dr. Nishi Mittal and Sh. Subhash Chand organized one day workshop on findings of RSA for package 7 at Chandigarh on 07.01.2012 for the project “Appointment of Safety Consultants for PPP projects on DBFO basis”, CNP-1715
5. Dr. J Nataraju & Dr. Errampalli Madhu organized one day workshop on findings of RSA for package 12 (Moradabad – Bareilly) near the site office on 27.01.2012 for the project “Appointment of Safety Consultants for PPP projects on DBFO basis”, CNP-1715
6. Dr Nishi Mittal Organised 4 days training programme on RSA for CRAPHTS from 8-11 February, 2012.
Customised Training Programmes (contd.)

7. Dr Nishi Mittal Organized workshop cum Training Programme on Road Safety Audit and EIA for Engineers of Gujarat PWD. at STC Gandhinagar from 18 to 22 July, 2011.

8. Dr Nishi Mittal Organized workshop cum Training Programme on Road Safety Audit for Engineers of RITES, NHAI and Staff of Concessionaire associated with PPP projects in Rajasthan at Jaipur from 17 to 20 August, 2011.

9. Dr Neelima Chakrabarty Organized Training Programme on Driver Diagnostics from 3-5th August, 2011
Customised Training Programmes (contd.)

10. Dr Nishi Mittal Organized Training Programme on Road Safety Audit from 8-11 August, 2011


12. Organised half day workshop for UP Traffic Police on 7.5.12.

13. TRG Foundation Day Seminar on “Research in Sustainable Transportation Planning on 28.5.2, CRRI.

15. Organised half day workshop for UP Traffic Police on 7.5.12.
1. Dr. Nishi Mittal delivered a talk on Road Safety Audit on 27.4.11 (MOSRTH).
2. Dr. Nishi Mittal delivered an invited talk on Need for psychological studies for Road Users” on 16.5.11 (ICMR)
3. Dr. Nishi Mittal “Accident Recording & Analysis Procedures” on 29.6.11 (ASAPP) Media
4. Dr. Nishi Mittal “Current Road Safety Practices in India” on 20.11.11 (National Safety Council)
5. Dr. Nishi Mittal “Revised Accident Recording Form” on 3.11.11 Council Meeting of IRC.
7. Dr. Nishi Mittal, “Accident Recording Procedures in India” on 21.22.12 (WHO – RS-10)
8. Dr. Nishi Mittal “Accident Data Collection System Using ITS for Better Safety & Enforcement” on 27.2.12 (MOSRTH)
9. Dr. Nishi Mittal, “Improving the Safety of Most Vulnerable Road Users” on 3.4.12 (MOSRTH)
10. Dr. Nishi Mittal, “Road Safety Audit Findings on 14.6.12 (NHAI, IIT)
12. Dr. S. Velmurugan delivered two invited lectures on the topics “Capacity of Multilane Highways and Expressways” and “Road Safety Audit”, for the Post Graduate Students at College of Engineering, Anna University in February 2012.
15. Dr. Nishi Mittal, “Road Safety Education and Capacity Building” on 3.7.12 (NIDM)
Dr. S. Velmurugan was deputed abroad (after receiving International Travel Grant towards meeting the Air Fare, Visa, Per Diem and Accommodation Expenses from DST, CICS and CSIR) for attending the 91st meeting of Transportation Research Board and presenting the paper titled, “Development of Congestion Cost Equations for Multilane Highways in India” in the above Conference at Washington D.C. USA.

Dr. S. Velmurugan was deputed abroad for Chairing the Session on Intelligent Transport System in the Fourth 2012 Indo- US Frontiers of Engineering Symposium held at Hyatt Regency Crystal City, Washington D.C., February 29 - March 3, 2012. The entire visit was sponsored by Indo- US Science and Technology Forum. (IUSSTF).
HAPPINESS IS A JOURNEY NOT A DESTINATION.

THINK Road Safety

Thank You