CURRICULUM VITAE

**1.** **NAME AND DESIGNATION** **DR. MANORANJAN PARIDA** PROFESSOR

**2.** **Address**

**(a)** Official (with Telephone/ Transportation Engineering

Fax No./E-mail) Group, Department of Civil

Engineering, Indian Institute

of Technology, Roorkee

U.K. - 247 667, INDIA

Telephone:01332-285448 (O) Fax: 01332-273560, 275568

E-mail: mparida@gmail.com

MOBILE: 09837423963

**(b)** Residential (with Telephone No.) 59/3,Ravindra Lok,

Indian Institute of Technology

Roorkee

U.K. - 247 667 INDIA

Tel. No.: 01332 - 285443

- 271624

**3.** **Date of Birth** 4th December 1965

**4.** **Nationality** INDIAN

**5.** **Specialisation** Urban Transport Planning

**6. EMPLOYMENT PROFILE**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| FROM | **TO** | **POSITION HELD** | **ORGANISATION** | **DEPARTMENT** |
| 19.12.2007 | Till date | Professor | I.I.T. Roorkee | Civil Engg. |
| 3.2.2004 | 18.12.2007 | Associate Professor | I.I.T. Roorkee | Civil Engg. |
| 26.6.97 | 2.2.2004 | Assistant Professor | I.I.T. Roorkee | Civil Engg. |
| 1.7.96 | 25.6.97 | Lecturer | I.I.T. Roorkee | Civil Engg. |
| 28.2.95 | 30.6.96 | Assistant Town & Country Planner | TCPO, Min. of Urban Affairs & Employment, Govt. of India | Special Projects Division |
| 1.8.94 | 30.11.94 | Fellow A | University of Roorkee | Civil Engg. |
| 2.7.90 | 31.7.94 | CSIR SRF | University of Roorkee | Civil Engg. |
| 16.1.90 | 29.6.90 | Institute Fellow | I.I.T., Delhi | Civil Engg. |
| 27.9.89 | 9.12.89 | Lecturer | IGIT, Talcher | Civil Engg. |
| 12.6.89 | 31.7.89 | Research Associate | School of Planning & Architecture, New Delhi | Urban Planning |
| 23.2.89 | 22.5.89 | Junior Town Planner | Cuttak Dev. Authority | Town Planning |

**7.** **ACADEMIC QUALIFICATION**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Year** | **Examination** | **Institute** |
| 1. | 1995 | Ph.D. (Civil Engineering) | University of Roorkee (present IIT Roorkee) |
| 2. | 1989 | M. Planning  (Urban Planning) | School of Planning & Arch., New Delhi |
| 3. | 1987 | B.Sc. Engg. (Civil) | Sambalpur University |

**8.** **HIGHLIGHTS OF IMPORTANT CONTRIBUTION**

**(a) Thesis Supervised (Annexure - I)**

Completed – 8 Ph.D. Thesis & 71 M.E./M.Tech. Theses

In progress – 6 Ph.D. Thesis & 10 M.Tech Theses

**(b) Publications - 284 Nos. (Annexure - II)**

Journal – 95

**(c) Sponsored Projects (Annexure - III)**

(i) Sponsored Research Projects 14 Projects

(ii) Consultancy Projects 304 Projects

**(d) Awards/Honors (Annexure - IV)**

**(e) Membership of Professional Society (Annexure -V)**

**(f) Laboratory Handled (Annexure - VI)**

1. Highway Material Testing Laboratory

1. Traffic Engineering Laboratory
2. Modelling, Analysis & Simulation

Development of Traffic Engineering Laboratory and Renovation of Pavement Test Hall in Transportation Engineering Section, Civil Engineering Department at Institute of Technology Roorkee.

**(g) Courses Taught (Annexure - VII)**

(i) P.G. Level - 7 Nos.

(ii) U.G. Level - 4 Nos.

**( M. PARIDA )**

**Annexure - I**

## DETAILS OF THESIS SUPERVISION

**A. Ph.D. Supervision**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Name of Student** | **Reg. Year and Status (FT/PT)** | **Thesis Title** | **Other Supervisor(s)**  **(if any), Name & Department** | **Completed/ Ongoing** |
| 1. | Sanjiv Kumar (QIP R/S) | 2000 FT | Development of Pavement Management System for Indian National Highway Network | Prof. S.S.Jain | Awarded |
| 2. | D.T. Thube  (Institute Fellow) | 2003 FT | Performance Based Maintenance Management for Rural Roads | Prof. S.S. Jain | Awarded |
| 3. | V.S. Landge  (QIP R/S) | 2003 FT | Development of A Methodology for Road Safety for a National Highway | Prof. S.S. Jain | Awarded |
| 4. | R. Randhawa  (Asstt. Director) | 2002 PT | Environmental Noise Impact Assessment of Metropolitan Transport Infrastructure Development | Prof. I.H.Khan  (JMIU, Delhi)  Prof. Khalid Moin  (JMIU, Delhi)  Prof. S.S. Jain | Awarded |
| 5. | Ami H.Shah | 2007 FT | Development of Integrated Public Transport System for Delhi | Prof. S.S.Jain | Awarded |
| 6. | Rajeev Kumar Mishra | 2007 FT | Environmental Management System for Transport Operation | Dr. S.N. Rangnekar | Awarded |
| 7. | Pawan Kumar | 2008 FT | Planning and Design of Multi Modal Transportation Infrastructure | Prof. S.Y. Kulkarni | Awarded |
| 8. | A.K. Shukla  (Faculty from  IET Lucknow) | 2002 PT | Analysis and Modelling of Traffic Related Environmental Pollution for  Metropolitan City | Prof.J.B.Srivastava  (IET, Lucknow)  Prof. S.S. Jain | Awarded |
| 9. | Kranti Kumar | 2009 FT | Analysis & Modelling of Traffic Safety | Prof. V.K. Katiyar | Submitted |
| 10. | P.Naveen Kumar | 2010 FT | Modelling Accidents for Multilane Highways | Prof.S.S.Jain | On Going |
| 11. | Gaurav Jain | 2009 FT | Development of Public Transport Information System Using GPS & GIS | Prof. S.S. Jain | On going |
| 12. | Mansha Swami | 2012 FT | Operational And Spatial Effectiveness Of Metropolitan Transportation | NA | On Going |
| 13. | Pooja Singh | 2012 FT | Sustainable urban Transport: Planning for Low Carbon City | Dr.P.S.Chani | OnGoing |
| 14. | Tanuj Chopra | 2009 PT | Pavement Management  System for Urban Roads | Dr.Naveen  Kwatra | On Going |

1. **M.Tech. Thesis (Under Progress) = 06**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name** | | **Topic** | **Supervisor** | **Session** |
| 1 | Nand Kishore | | Pedestrian Flow Modelling around Transportation Terminals | M. Parida | 2013-14 |
| 2 | Saygaonkar Prathamesh | | Station Area Development Approach for Enhancing Multimodal Urban Transport | M. Parida | 2013-14 |
| 3 | Shellja Bansal | | Measuring Quality of Urban Public Transport using Data Envelopment Analysis(DEA) | M. Parida  A. Ramesh | 2013-14 |
| 4 | Tushar Sharma | | Development of Crash Modification Factors for Four Lane National Highway | M. Parida | 2013-14 |
|  | | | | | |
| 5 | Anteneh Afework Mekonnen | ANN Application in Road Safety Modelling | | M.Parida | 2012-13 |
| 6 | P. Phani Kumar | Performance Analysis of Multimodal Transport System using VISUM | | M.Parida | 2012-13 |
| 7 | Prashant Kumar Azad | Development of Combined Pavement Condition Prediction Model for Flexible Pavement | | S.S.Jain  M. Parida | 2012-13 |
| 8 | Vijay Krishna | Benchmarking Service Level for Public Transport Operation in a City | | M.Parida | 2012-13 |
| 9 | Avinash S. Rajpurohit | Design of Noise Barrier for Four Lane National Highway | | S.S.Jain  M.Parida | 2011-12 |
| 10 | Abhishke K. Rajput | Modelling of Crashes for Four Lane National Highways | | M.Parida  S.S.Jain | 2011-12 |

**C. M.Tech. Thesis (Awarded)**

| **S.No.** | **Name of Student** | **Title of Dissertation** | **Supervisor(s)** | **Session** |
| --- | --- | --- | --- | --- |
|  | Abdullah Ahmad | Pavement Performance Study for Four Lane Highways | S.S.Jain  M.Parida | 2011-12 |
|  | Amit Kumar Damde | Calibration of HDM-IV for Urban Road Network | M.Parida  S.S.Jain | 2011-12 |
|  | P. Mallikarjuna Reddy | Accident Information System for A Stretch of National Highway | M.Parida  S.S.Jain | 2011-12 |
|  | Vishal Bhatt | Development of Pavement Management System for Urban Arterial Network | S.S.Jain  M.Parida | 2011-12 |
|  | Amit Ranjan | Development of Noise Maps for Roorkee | M.Parida  R.D.Garg | 2011-12 |
|  | Akash Chavercode Prakasan | Development of Urban Road Management System Using Analytical Hierarchy Process (AHP) | Dr. Devesh Tiwari, CRRI | 2010-11 |
|  | Devendra Kumar | Pavement Deterioration Modelling for Four Lane National Highway | Prof. S. S. Jain | 2010-11 |
|  | V. G. Narayana | Operational Analysis for Ring Railway as Constituent Mode of MMTS | Prof. S.S. Jain | 2010-11 |
|  | Chalak Prafullakumar Annasaheb | Application of Ann for Access Mode Choice for a Multimodal Transport System | Prof. S.S. Jain | 2010-11 |
|  | M Rajshekhar | Development of Traffic Safety Indices for India | Prof. S.S. Jain | 2010-11 |
|  | Pradeep Kumar Singh | Road Safety Audit for Four Lane National Highways | Prof. S.S.Jain | 2010-11 |
|  | Narsimharao Veeravalli | Design of Feeder Routes for Integrated Operation of Public Transport System in Delhi | Prof.S S Jain | 2009-10 |
|  | Satyam Mishra | Modal Choice Modelling for Multimodal Transport System in Delhi | Prof.S S Jain | 2009-10 |
|  | Vinod Pulnote | Travel Demand Modelling for Delhi Using Visum | A C Srivastava | 2009-10 |
|  | Ravi Kiran Rao Aluri | Analysis & Design of Interchange for Urban Multimodal Transport Operation | Prof. S.S.Jain | 2008-09 |
|  | U Veer Hanuman | Evaluation and Design of Noise Barriers | Prof. S.S.Jain | 2008-09 |
|  | Rajeev Muneshwar | Effect of Freezing and Thawing on Concrete Pavements | Dr.M.P.S.Chauhan | 2008-29 |
|  | Mr.Subhas Mondal | Analysis of Travel Pattern for Delhi Metro Corridors | Prof.S.S.Jain | 2007-08 |
|  | Mr.Chinta Sudhakar Rao | Performance Evaluation of its Operation in Delhi | Prof.S.S.Jain | 2007-08 |
|  | Ms. Avirneni Deepti | Behaviour of Ferro Fibro Crete Pavements Under Impact | Dr.M.P.S.Chauhan | 2007-08 |
|  | Maj. Kapil Dev Sharma | Artificial Neural Network in Transport Related Pollution Modelling | Prof. S.S. Jain | 2006-07 |
|  | Mr. Ritesh Roshan Das | Development of Composite Performance Indices for Rural Roads in Uttaranchal | Prof. S.S. Jain | 2006-07 |
|  | Mr. N. Vijaya Prashanti | Traffic Projection Techniques for Two Lane National Highway | Dr. M.P.S. Chauhan | 2006-07 |
|  | Mr. S.C. Loonia | Analysis of Accidents for National Highways in Hilly Region | Dr. M.P.S. Chauhan | 2006-07 |
|  | Mr. Gautam Kumar Dash | Flexural Fatigue Analysis of Ferro-Fibro Crete Pavements | Dr. M.P.S. Chauhan | 2006-07 |
|  | Mr.S.Ranga Swami | Planning of Public Transport System for Dehradun | Prof.S.S.Jain | 2006-07 |
|  | Mr.Devi Prasad Mahapatra | Block Level Transport Network Planning and Management Using GIS | Dr. S.K. Ghosh | 2006-07 |
|  | M. Chakravarthy | GIS Application for  Identification of Accident  Black Spots | Dr. S.K. Ghosh | 2005-06 |
|  | Sadavarte Kapil | Modelling of Accidents for Urban Areas | Dr. S.S. Jain | 2005-06 |
|  | Mohit Verma | Development of Deterio-Ration Models for Rural Roads in Uttaranchal | Dr. S.S. Jain | 2005-06 |
|  | S.S. Jaiswal | Prediction of Accidents for Heavily Trafficked Non-Urban Highways | Dr. S.S.Jain | 2005-06 |
|  | S.K. Mishra | Safety Evaluation of Alternative Highway Design in a Computer Aided Design (CAD) Environment | Dr.(Mrs.) Ila Gupta | 2005-06 |
|  | Suresh Mogadala | Environmental Capacity of Urban Transport Network | Dr. S.S. Jain | 2004-2005 |
|  | Sunil Gupta | Development of Design Methodology for Rural  Roads | Dr. S.S. Jain | 2004-2005 |
|  | Raj Kumar Singh | Geographical Transfer-Ability of Traffic Noise Prediction Models | Dr. S.S. Jain  Dr. (Mrs.) Ila Gupta | 2003-2004 |
|  | Jitendra Singh | Development of Remedial Measures for Accident Black Spots in Urban Areas | Dr. S.S. Jain | 2003-2004 |
|  | Sunil Narayan Patil | Development of Transport-ation Strategies for Garhwal  Regions | Dr. S.S. Jain | 2003-2004 |
|  | K. Ravi Sankar | Preparation of DPR for Taj Expressway | Dr. P.K. Garg | 2003-2004 |
|  | Y. Ahmed | Modelling & Analysis of Transport Related Air Pollution | Dr.(Mrs.) Renu Bhargava | 2003-2004 |

| **S.No.** | **Name of Student** | **Title of Dissertation** | **Supervisor(s)** | **Session** |
| --- | --- | --- | --- | --- |
|  | Ashutosh Rastogi | Performance Evaluation of Air Pollution Models | Dr. S.S.Jain | 2002-2003 |
|  | D.S.N.V. Amar  Kumar | Noise Impact Assessment Due to Flyovers in Delhi | Dr. S.S.Jain | 2002-2003 |
|  | Yoganandu Jetti | Transferability of Traffic Noise Prediction Models | Dr. S.S.Jain | 2002-2003 |
|  | Ch. Renuka Devi | Development of Metropolitan Accident Management System | Dr. S.S.Jain | 2002-2003 |
|  | J.K. Uraon | Road Accident Analysis for Dehradun City Within GIS  Environment | Dr. S.K.Ghosh | 2002-2003 |
|  | Preeti Tiwari | Development of Prioritization Programme for Maintenance Management of Highways | Dr. S.S.Jain | 2002-2003 |
|  | J.K. Yadav | Development of Accident Management System for  National Highways | Dr. S.S.Jain | 2002-2003 |
|  | Pooja Singh | Planning and Design of Highway Side Amenities | Prof. R.K.Jain | 2002-2003 |
|  | Devender | Modelling of Interrupted Traffic Flow Noise | Dr. S.S.Jain  Dr.V.K.Katiyar | 2001-2002 |
|  | Rupali J. Moon | Development of Highway Information System in GIS Environment | Dr. S.S.Jain | 2001-2002 |
|  | Vivian Robert R. | A Study on Transport Related Air Pollution | Dr. S.S.Jain  Dr. N. Sharma | 2001-2002 |
|  | Suresh Babu | Pavement Performance Modelling for PMS | Dr. S.S.Jain | 2001-2002 |
|  | M.U. Khobragrade | Analysis of transport  Related SPM | Dr.(Mrs.) Renu Bhargava | 2001-2002 |
|  | Neeraj Gupta | Computer Aided Design of Highway Noise Barrier | Dr. S.S.Jain | 2000-2001 |
|  | Manish Patkar | Effect of Transfer Penalties in Metropolitan Mode Choice Modelling | Dr. S.S.Jain | 2000-2001 |
|  | H.R. Bairwah | A Study on Accident Stretches on NH-58 | Dr. S.S.Jain | 2000-2001 |
|  | A.K. Yadav | Development of A Software for Traffic Noise Prediction | Dr. S.S.Jain | 2000-2001 |
|  | N. Sreenivasulu | Air Pollution Study in Roorkee | Dr.(Ms.) Renu  Bhargava | 2000-2001 |
|  | Pratush Kumar | Traffic Noise Prediction for Rural Highways | Dr. S.S.Jain  Dr.V.K.Katiyar | 1999-2000 |
|  | G.R. Kalita | Noise Based Zoning for Roorkee | Dr.(Ms.) Renu  Bhargava | 1999-2000 |
|  | Ch. Ravi Sekhar | Mode Choice Analysis Using Neural Network | Dr. Satish Chandra | 1998-99 |
|  | M. Hema Sekhar | Analysis of Urban Road Traffic Through Simulation | Dr. Satish Chandra | 1998-99 |
|  | M.B. Kumar | Development of a Rational Approach for Accident  Analysis and Road Safety in Delhi | Dr. S.S.Jain | 1998-99 |
|  | M.M.S. Rawat | Development of PMS for Urban Road | Dr. S.S.Jain | 1997-98 |

| **S.No.** | **Name of Student** | **Title of Dissertation** | **Supervisor(s)** | **Session** |
| --- | --- | --- | --- | --- |
|  | K. Bhavanarayana | Los Concept for Capacity of Pedestrian Facilities | Dr. S.S.Jain | 1997-98 |
|  | D. Siddiramulu | A Study on Urban Transport Environment Interaction | Dr. S.S.Jain | 1997-98 |
|  | J. Nataraju | Integrated Analysis of Bus Transportation Withrapid Transit System - Acase Study of Delhi | Dr. S.S.Jain | 1997-98 |
|  | P.K. Srivastava | A Study on Multimodal Transport for Delhi | Dr. S.S.Jain  Dr. A.K.Gupta | 1997-98 |
|  | Manoj Kumar | Labour Based for Rural Road Construction | Dr. S.S.Jain  Dr. A.K.Gupta | 1996-97 |
|  | Premal D. Mehta | An Analysis of Effects Ofprivatisation in Urban Public Transport | Dr. S.S.Jain  Dr. A.K.Gupta | 1996-97 |
|  | Kumar Vimal | Analysis of Urban Traffic Noise | Dr. S.S.Jain  Dr. A.K.Gupta | 1996-97 |
|  | Pradeep Kumar | Analysis of Interface Between Rail and Bus Transportation System | Dr. S.S.Jain  Dr. A.K.Gupta | 1996-97 |

**M.TECH PROJECT SUPERVISION**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Public Transport System Requirement for Bhubaneshwar | Ritesh Roshan Das | 2006-07 |
| 2 | Traffic Management Plan for Bhubaneshwar | Gautam Kumar Dash | 2006-07 |
| 3 | Development of EXCEL Worksheet for Analysis | Maj. Kapil Dev Sharma | 2006-07 |
| 4 | Design of Variable Message Signs for Urban Areas | Subhash Mondal | 2007-08 |
| 5 | Access Audit of Transportation System in IIT Roorkee | Chinta Sudhakar Rao | 2007-08 |
| 6 | Design of Variable Message Signs for Urban Areas | Subhash Mondal | 2007-08 |
| 7 | Access Audit of Transportation System in IIT Roorkee | Chinta Sudhakar Rao | 2007-08 |
| 8 | Development of a Spread Sheet for Transport Related Air Pollution Model | U Veer Hanuman | 2008-09 |
| 9 | Design Service Volume and Capacity Analysis for Multi-Lane National Highways | Ravi Kiran Rao Aluri | 2008-09 |
| 10 | Design of Rotary Intersections on NH-87 | J. Vamsheedhar | 2008-09 |
| 11 | Travel Behaviour Analysis using Stated Preference Survey in Delhi | Mithun Mohan | 2009-10 |
| 12 | Capacity Analysis for Six Lane Expressway | Satyam Mishra | 2009-10 |
| 13 | Design of Noise Barrier for a Section of Delhi Metro | Vinod Pulnote | 2009-10 |
| 14 | Elasticity based vehicle growth forecasting | Chalak Prafullakumar Annasaheb | 2010-11 |
| 15 | Operational evaluation of speed breakers in IIT Roorkee campus | Chelluri Saikrishna | 2010-11 |
| 16 | Design of noise barrier for a stretch of elevated metro corridor in Kolkata | Dara Venkata Bavireddy Lalam | 2010-11 |
| 17 | Headway Distribution for Four Lane National Highway | Ganesh S. Doley | 2011-12 |
| 18 | Estimation of VDF From Static Weight Bridge Data | Sharad Kumar | 2011-12 |
| 19 | Characteristics of IPT Operation in Roorkee | Yashwanth Yamsani | 2011-12 |
| 20 | Planning of BRTS for the city of Addis Ababa using Lessons drawn from New Delhi | Anteneh Afework Mekonnen | 2012-13 |
| 21 | Modelling Urban Traffic Flow for Roorkee using VISSIM | P. Phani Kumar | 2012-13 |
| 22 | Analysis of Transportation Elasticity at National Level | Vijay Krishna | 2012-13 |

**B.TECH PROJECT SUPERVISION (Completed)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No** | **Topic** | **Name of Candidate** | **Co-Supervisor** | **Year** |
| 1 | EIA of Expressways | Sagar Gupta  Satish Kumar Bundelkar  Yogesh Kumar  Sudhir Kr. Meshram | Dr. Pramod Kumar | 2009-10 |
| 2 | GIS-Based Road Mapping and Analysis for 108 Emergeing Service | Anmish Das  Ankur Gulati  Boopesh Pandey  Deepika Tulsyan  Harsimran Singh Grewal | Dr. R.D. Grag  Dr. P.K. Garg | 2009-10 |
| 3 | Study on New Materials for Bituminous and Rigid Pavments in Urban Areas | Achal Kumar  Harsha Kalyan  Sanjay Kumar Ravi | Prof. S.S. Jain  Dr. Umesh K. Sharma | 2009-10 |
| 4 | Air Quality Impact of Urban Transport Development in Dehradun | A.Uday Kumar  P.S. Sarat Chandra  S.R.Srikanth  Dinesh Ayyala  Balakrishna Sethi | Dr. B.R. Gurjar | 2006-07 |
| 5 | Environmental Impact Assessment and Mitigation of Traffic Operation on NH – 58 | Abhishek  Amit Verma  Divya Sethi  B.B. Nagpal | Dr.(Mrs.) Renu Bhargava | 2006-07 |
| 6 | Development of Emission Inventory for the City of Mumbai | Ankit Purohit  Divik Gupta  Ankur Taparia  Rajat Garg | Dr. B.R. Gurjar  Dr. M.Parida | 2007-08 |
| 7 | Design of Grade Sepeated Pedestrain Facility at an Intersection | Sawmya M.N.V.  Sudhanshu Verma | Prof. S.S.Jain  Dr. P.K. Gupta  Dr. M.Parida | 2007-08 |
| 8 | EIA of Public Transport System in Delhi | Arun Shrma  Mihir Parekh  Kamta Prasad  Devesh Kumar | Dr. B.r. Gurjar  Prof. M.Parida | 2008-09 |
| 9 | Noise Attenuation along Highway Corridors | M. Saahith  G. Sai Kiran  V. Rakesh Reddy | Dr. Pramod Kumar  Prof. M. Parida | 2008-09 |

##### ANNEXURE –II

##### DETAILS OF RESEARCH PUBLICATIONS

A. ARTICLE PUBLISHED IN BOOK

1. Parida, M., Gupta, A.K., Khanna, S.K. (1994) “Determinants of Mode Choice of Commuters in Delhi”, Paper published in a book “Les transports dans Les villes du Sud – La recherche de solutions durables”, KARTHALA –CODATU

2. Parida, M. and Jain, S.S. (2003) “Transport Development in Delhi Metropolitan Area”, Article Published in a Book “Geography of Transport Development in India”, Ed. By B.C. Vaidya, Concept Publishing Company, NEW DELHI.

**B. LIST OF REFREED JOURNAL PAPERS**

1. Gupta, A.K., Sikdar, P.K., Vasan, R.M., Jain, S.S., Parida, M. (1991) “Strategies for Improved Mobility and Accessibility in Agra City”, ITPI Journal, September, Vol.10, No.1 (147).

2. Parida, M., Gupta, A.K., Khanna, S.K. (1992) “An Experimental Approach to Mode Choice Analysis”, Journal of ITPI, September.

3. Parida, M., Gupta, A.K., Khanna, S.K. (1992) “An Appraisal of Mode Choice Analysis and Research in India”, Indian Highways, November.

4. Gupta, A.K., Jain, S.S., Parida, M., Sharma, S. (1994) “Switching Behaviour of Commuters in Delhi”, Indian Highways, September.

5. Gupta, A.K., Sikdar, P.K., Vasan, R.M., Jain, S.S., Parida, M. (1995) “A Traffic Management Plan for Agra Heritage Project (AHP) Area”, Indian Highways, June.

6. Gupta, A.K., Parida, M., Mehta, S. (1995) “Development of Logit Software for Analytical Design of Mode Choice”, Journal of the Institution of Engineers (India), Civil Engineering Division.

7. Gupta, A.K., Parida, M., Kumar, V. (1996) “Development of a Generalised Logit Software in C-environment”, Indian Highways, Indian Roads Congress (IRC), New Delhi, December, pp. 5-16.

8. Gupta, A.K., Jain, S.S., Parida, M. (1997) “Mass transportation and sustainable development”, Journal of Institute of Transport Planners (ITPI), June.

9. Jain, S.S., Parida, M., Mehta, P.D. (1999) “Privatisation of Urban Bus Transport Around the World”, Indian Journal of Transport Management, Vol. 23, No.3, March.

10.\* Jain, S.S., Parida, M., Rawat, M.M.S. (1999) “A Rational Approach for Pavement Management System for Urban Roads”, Highways Research Bulletin No. 61, Indian Roads Congress, New Delhi, pp. 69-99.

11.\* Jain, S. S., Parida, M., Siddiramulu, D. (2000) “Development of a Software for Prediction of Road Traffic Noise”, Environmental Engineering Division Journal of Institution of Engineers (India), Vol. 80, February, pp. 25-34.

12. Chandra, S., Parida, M. (2000) “Can ITS Come to India in Next Millenium”, Indian Journal of Transport Management, Vol. 24, No. 2, February.

13. Parida, M., Jain, S.S., Bhavanarayana, K. (2001) “A Level of Service Concept for Capacity Analysis of Stairways”, Urban Transport Journal, Institute of Urban Transport (India), Vol. 2, No.1, March, pp. 74-92.

14. Bhattacharya, C.C., Jain, S.S., Singh, S.P., Parida, M., Mittal, N. (2001) “Development of Comprehensive Highway Noise Model for Indian Conditions”, Journal of Indian Roads Congress, IRC 62-3, pp.554A-488A.

15. Bhattacharya, C.C., Jain, S.S., Singh, S.P., Parida, M. (2002) “R&D Efforts in Prediction of Highway Traffic Noise”, Environment Engineering Division Journal of Institution of Engineers (India), October.

16. Nirjar, R.S., Jain, S.S., Parida, M., Sharma, Neeraj, V. Robert, R., Mittal, Namita (2002) “Development of Transport Related Air Pollutants Modelling for An Urban Area”, IRC Journal, Vol.63.2, September, Indian Roads Congress, New Delhi.

17. Aggarwal, S., Jain, S.S., Parida, M. (2002) “A Critical Appraisal of Pavement Management Systems”, IRC Journal, Vol.63.2, September, Indian Roads Congress, New Delhi.

18. Parida, M., Chandra, S., Ravi Sekhar, C. (2002) “Artificial Neural Network Based Mode Choice Analysis”, Highway Research Bulletin, IRC, No.67, Indian Roads Congress, New Delhi

19. Mittal, N., M. Parida and Jain,S.S.(2003) “A Modelling Framework for Transport Related Air Pollution Prediction for Urban Areas”, Urban Transport Journal (Special Issue), Vol.4, No.1, March, Institute of Urban Transport (India).

20. Aggarwal, Sanjiv; Jain, S.S. and M. Parida (2003) “Intelligent Technologies for Traffic Management”, Urban Transport Journal (Special Issue), Vol.4, No.1, March, Institute of Urban Transport (India).

21. Parida,M., Mittal,N. and Chauhan,M.P.S (2003) “Road Traffic Noise Abatement for Metropolitan Cities in India”, Urban Transport Journal (Special Issue), Vol.4, No.1, March, Institute of Urban Transport (India) .

22. Jain, S.S., Parida, M., Mittal, N. (2003) “Environmental Impact Analysis of Transportation Systems in Delhi”, ITPI Journal March.

23. Parida, M., Bhargava, R., Moni, U.K. (2003) “Analysis of Transport Related SPM” , Indian Journal for Environmental Protection,August.

24. Parida, M., Jain, S.S., Mitall, N. (2003) “Modelling of Metropolitan Traffic Noise for Delhi”, ITPI Journal,June.

--------------------------------

\* Awarded Paper

25. Nirjar, R.S., Jain, S.S., Parida, M., Katiyar, V.K., Singh, D. and Mittal, N. (2003),”A Study of Transport Related Noise Pollution in Delhi”, J. Institution of Engineers (India), Environmental Engineering Division, Vol. 84, September.

26. Chandra,S. and Parida,M. (2004) “Analysis of Urban Road Traffic Through simulation”, Indian Highways, August.

27. Ahmed, Y., Bhargava,R., Parida,M. (2004), “Transport Generated Air Pollution on National Highways in Haridwar District”, Journal of Indian Association for Environmental Management, Vol. 31, No.3, October.

28. Ghosh, S.K., Parida, M. and Uraon, J.K. (2004) “Traffic Accident Analysis for Dehradun City Using GIS”, ITIP Journal, July-September.

29. Aggarwal, S., Jain, S.S. and Parida, M. (2004) “Development of Pavement Management System for Indian National Highway Network”, Journal of Indian Roads Congress, New Delhi, Vol. 65-2, October, pp. 271-326.

30. Jain, S.S., Aggarwal, S. and Parida, M. (2005), “ HDM-4 Pavement Deterioration Models For Indian National Highway Network”, Journal of Transportation Engineering, American Society of Civil Engineers, Vol. 131, Number 8, August, pp. 623-631.

31. Agarwal, R.P., Jain, S.S., Parida, M. and Arora, Priyanka (2005), “Vehicle Detection Technology for Intelligent Traffic Management Systems”,Indian Journal of Transport Management, Pune, Vol. 29(1), March, pp. 30-49.

32. Aggarwal, S., Jain, S.S. and Parida, M. (2005), “Use of Pavement Management Systems in Developing Countries”, Indian Highways, Indian Roads Congress, New Delhi, Vol. 33, No.4, April, pp. 5-16.

33. Jain, S.S., Parida, M. and Aggarwal, R.P. (2005) “Hardware Implementation of An Adaptive Traffic Light Controller A Busy Intersection” ,Journal of The Institution of Engineers (India) – Electronics and Telecommunication Engineering Division Board.

34. Shukla,A.K., Jain,S.S., and Parida,M (2005), “Noise Pollution Status of Metropolitan City Lucknow”, Indian Journal of Environment Protection, Vol. 25, No. 2, Feb., pp. 126-136.

35. Landge, V., Jain, S.S. and Parida, M. (2005), “Community Participation for Road Safety in India, Municipal Engineer”, Institution of Civil Engineers, UK, London, Vol.158, March, pp. 45-52.

36. Parida, M., Aggarwal, S., Jain, S.S. (2005) “Enhancing Pavement Management System Using GIS”, Institution of Civil Engineer, U.K., London Vol.158, No. TR2, May, pp. 107-113.

37. Jain, S.S., Jain, R.K., Parida, M. and Patil, S.N., (2005) “Development of Transportation Strategies for Garhwal Region”, Indian Journal of Transport Management, Vol.29, No.3, July-September, pp. 268-287.

38. Shukla, A.K., Jain, S.S., Parida, M. and Sharma, S.P., (2005) “Management of Air Pollution Due to Vehicular Emission for Growing Metropolitan Cities : A Case Study of Lucknow”, Indian Journal of Transport Management, Vol.29, No.4, October-December

39. Shukla, A.K., Jain, S.S., Parida, M. and Sharma, S.P., (2005) “Assessment of Traffic Noise : A Case Study of Lucknow”, Indian Journal of Air Pollution Control, Vol. V, No. II, September, pp. 11-17.

40 Ahmad, Y., Bhargava, R. and Parida, M., (2005) “Transport Generated Air Pollution on National Highways in Haridwar District”, Journal of the Institution of Public Health Engineers, India, No. 4, October–December.

41. Shukla, A.K., Jain, S.S., Parida, M. and Sharma, S.P., (2005) “Prediction of Traffic Noise for Indian Cities by FHWA Model”, Indian Journal of Environmental Protection, Vol.25, No.2, December, pp. 1109-1119.

42. Thube, D.T., Jain, S.S. and Parida, M., (2005) “A Critical Appraisal of Maintenance Management for Low Volume Roads (Discussion Paper No. 519), Journal of Indian Roads Congress, Vol. 66-3, October, pp. 485-597. (Presented Paper in 66th IRC Annual Session at Bhubneshwar 2005).

43. Landge, V.S., Jain, S.S. and Parida, M., “A Critical appraisal of Road Traffic Safety Accident Models for Non Urban Highways”, Highway Research Bulletin No.75, Indian Road Congress,December 2006,pp.105-129.

44. Thube, D.T., Jain, S.S. and Parida, M.(2007), “Development of PCI Based Composite Pavement Deterioration Family Curves for Low Volume Roads in India”, Highway Research Bulletin, No.76, Indian Road Congress, New Delhi,July,pp.55-70.

45. Jain, S.S., Parida, M., Rastogi,A.,Mittal, N. (2006) “Performance Evaluation of Air Pollution Models for Delhi City”, Paper accepted for Journal of Institution of Engineers (India), Environmental Engineering Division.

46. Shukla, A.K., Jain, S.S., Parida, M. and Sharma, S.P.,(2006) “Assessment of Traffic Impact on Ambient Air Quality in Lucknow City”, Indian Highways,May,pp 19-31.

47. Shukla, A.K., Jain, S.S., Parida, M., Srivastava, J.B. and Sharma, S.P., (2006) “Performance of CORTN Model for Prediction of Traffic Noise in Metropolitan Cities:A Case Study of Lucknow”, Indian Highways,August,pp.59-65.

48. Parida, P., Najamuddin, Parida, M., (2007) “Development of Qualitative Evaluation Methodology for Sidewalks in Delhi”, Journal of Institute of Town Planners, India, Sept., pp.27-33.

49. Parida, P., Najamuddin, Parida, M., (2007) “Planning, Design & Operation of Sidewalk Facilities in Delhi”, Highway Research Bulletin, Indian Roads Congress, Delhi, Oct., No.77m pp.81-95.

50. Jain, S.S., Parida, M. and Thube, D.T., (2007) “Performance Based Optimal Maintenance Strategies Using HDM-4 for Low Volume Roads in India”, paper accepted for ‘Road & Transport Research’, ARRB.

51. Mishra, R.K., Pandey, G., Parida, M. (2008), “Smoke Emissions from Diesel Vehicle: A Case Study”, Environmental Engineering and Management Journal, March-April, Vol. 7, No. 2, pp. 103-110.

52. Shah Ami, Parida, M. and Jain, S.S. (2008), “A Conceptual Approach for an Integrated Development of Urban Public Transport System”, Journal of Institute of Town Planners, India (ITPI), Vol. 5, No. 3, pp. 50-59, July-Sept. 2008.

53. Shukla, A.K., Jain, S.S., Parida, M., Srivastava, J.B. (2008), “Performance of Traffic Noise Models for Metropolitan Cities”, Environmental Engineering and Management Journal, July-August, Vol. 7, No. 4, pp. 447-452.

54. Parida, P., Najamuddin and Parida, M., (2008), “Sensitivity Analysis of Walkability for Pedestrian Facilities in Delhi”, Urban Transport Journal, Vol. 7, No. 2, December, pp. 69-82.

55. Ami H. Shah, M. Parida, S.S. Jain,( 2009) “GIS-T in Transport Planning: A Review”, GIS India Journal, Vol.18, No. 6, June 2009, pp. 6-8, and Vol. 18, No. 7, July 2009, pp. 5-7.

56. Ami H. Shah, M. Parida, S.S. Jain, (2009) “Best Practices on Integrated Public Transport System: A World Scenario”, Institute of Urban Transport (India) Journal, Vol.2, Dec 2009, New Delhi.

57. Rajeev Kumar Mishra, Pandey G. and M. Parida (2008), “Tailpipe Emission from Diesel Vehicles: A Case Study” in “Indian Journal of Environmental Protection (An International Journal)”, Vol. 28, Number 12, Page No. 1083-1088.

58. Rajeev Kumar Mishra, S. Rangnekar and M. Parida (2008), “Survey on Noise Pollution and Its Management”, in an Indian Journal “Institution of Public Health Engineers, India”, Volume 2008-09, Number 4, Page No. 30-34.

59. Rajeev Kumar Mishra, M. Parida and S. Rangnekar (2010), “Analysis of Community Response towards Noise Pollution in Roorkee City”, Indian Journal of Air Pollution Control,September, pp.59-67.

60. Pawan Kumar, S.Y. Kulkarni and M.Parida (2009), “Multi Modal Transport System for Seamless Mobility in Delhi: A Review”, SDR, July- August, 2009, Vol. 16, No.4, pp15-23.

61. Pawan Kumar, S.Y. Kulkarni and M.Parida (2009), “Multi-Modal Transportation System in Urban India: A Way Forward towards Seamless Transport”, IE (I) Journal-CV, Vol. 90, November 2009.

1. Pawan Kumar, S.Y. Kulkarni and M.Parida (2009), “Evaluation of Transit Quality and Customer Satisfaction in Multi Modal Transport System, Case Study: Bus-Metro Interchange at Kasheme Gate Terminal” Institute of Urban Transport (India) Journal, Vol. 2, December 2009, New Delhi.
2. Parida, P., Parida, M. and Najamuddin (2009), “Development of Non-Motorized Transport as a Sustainable Initiative”, Journal of the Institute of Town Planners, India Volume – 6, Number -4, October – December, 2009.
3. Sharma, R., Parida, M. and Jain,M. (2010), “ Planning for Mobility of the urban Poor”, Nagarlok,Vol.XLII April-June,No.2.
4. Rajeev Kumar Mishra, M Parida and S. Rangnekar. “Evaluation and Analysis of Traffic Noise along Bus Rapid Transit System Corridor in Delhi”, Intentaional Journal of Environmental Science and Technology (IJEST), 7(4), Autumn, 2010.
5. Ankita Shukla, Rajeev Kumar Mishra and M. Parida, “Estimation of Composite Air Quality Index for Lucknow”, in Institute of Town Planners India (ITPI) Journal, 2010.
6. Rajeev Kumar Mishra, M. Parida and S. Rangnekar, “Analysis of Community Response towards Noise Pollution in Roorkee City”, in Indian Journal of Air Pollution Control, Vol. X, No. 2, September, 2010.
7. Rajeev Kumar Mishra, M. Parida and S. Rangnekar. “Traffic Emission Control: A Knowledge Based Approach”, International Journal of Environmental Science and Engineering (IJESE). 2010.
8. S.S. Jain, M. Parida, and Pawan Kumar, “Multimodal Transportation Planning for Delhi-A Conceptual Approach”, B2B purchase, Vol. 3 Issue 12 Mumbai, September, 2010.
9. Pawan Kumar, S.S. Jain, S.Y. Kulkarni and M. Parida,” Multi-modal Transport System Management and Challenges Ahead”, Journal of New Building Materials & Construction World (NBM & CW) Magazine, Vol. 16, Issue-1, July 2010, pp. 268-274, 2010.
10. V .Gahlot, B.L. Swami, M. Parida, “Non-Motorized Modes as Feeder for Bus Rapid Transit System”, Urban Transport Journal ,Institute of Urban Transport (India), New Delhi, 2010.
11. K. Kumar, V.K.Katiyar, M. Parida, K.Rawat, “Mathematical Modeling of Road Traffic Noise Prediction”, published in International Journal of Applied Mathematics and Mechanics 7 (4): 2011, pp. 21-28.
12. Col. Shivkumar, A.K., Jain, S.S., Parida, M. & Shah U. Yogesh. (2011), “Maintenance Policy for Urban Roads in Noida by Visual Priority Ranking”, Journal of Road Transport, The Institute of Road Transport, Chennai, Vol. No. 4, October – December 2011.
13. Parida, Purnima. Parida, M. & Gangopadhyay, S. (2011), “Design of Sidewalks Using Pedestrian Flow”, Journal of Road Transport, The Institute of Road Transport, Chennai, Vol. No. 4, October – December 2011.
14. Shukla. Arvind. Kumar, Jain Sukhvir. Singh, Parida. Manoranjan. Srivastava. Jyoti. Bhutan. (2009) “Performance of FHWA model for prediction of traffic noise: A case study of metropolitan city, Lucknow (India)”, TRANSPORT ( Taylor & Francis) vol. 24, no. 3, 2009, pp. 234-240 Lithunia. Citations 3.
15. Rao,C.S.,Parida,M.,Jain,S.S.(2011)”Performance Evaluation of the Intelligent Transport System in Delhi”,Institute of Town Planners,India Journal 8-3,July-September.
16. K. Kumar , M. Parida and V.K.Katiyar, “Road Traffic Noise Prediction with Neural Networks- a review”, An International Journal of Optimization and Control,,Vol.2,No.1,January 2012.
17. Shah,Y.U., Jain,S.S. & Parida,M. (2012)”Evaluation of prioritization methods for effective pavement maintenance of urban roads”, International Journal of Pavement Engineering, DOI:10.1080/10298436.2012.657798
18. Mishra Rajeev Kumar, Parida M. and Rangnekar S. (2012). “Urban Transport System: An Environmentally Sustainable Approach”, Journal of Environmental Research and Development (An International Journal), Vol. 6, No. 3, pp. 500-506.
19. Mishra Rajeev Kumar, Pandey G. and Parida M. (2011), “Effects of Vehicle Age and Mileage on Tailpipe Emission of Diesel Buses: A Case Study”, Indian Journal of Air Pollution Control, Vol. XI, No. 2, pp. 54-59.
20. Parida, M., Jain, S.S. & Naveen Kumar, C. (2012), “Road Traffic Crash Prediction on National Highways”, Indian Highways, June, Vol. 40 No. 6.

1. Parida, M., Garg, R. D., and Ranjan, A. (2012), “Development of GIS Based Traffic Noise Map for Roorkee City”, ITPI Journal Vol. 9 No. 4, October – Deccember 2012.
2. Kumar, K., Parida, M., and Katiyar, V.K. (2013), “Optimized Height of Noise Barrier for Non-Urban Highway using Artificial Neural Network”, International Journal of Environmental Science and Technology, DOI 10.1007/s13762-013-0257-5.
3. Kumar, K., Parida, M., and Katiyar, V.K. (2013), “Short Term Traffic Flow Prediction in Heterogeneous Condition Using Artificial Neural Network (Stra-2012-0147)”, Submitted for publication in Transport.

**B1 LIST OF JOURNAL PAPERS**

1. Parida, M., Manglik, P. (1991) “Unplanned Residential Development in a New Planned City. The Bhubaneshwar Experience”, Civic Affairs, March.

2. Manglik, P., Parida, M. (1991) “Role of Non-Conventional Energytechnology in Alleviating the Drudgery of Rural Women”, Khadi Gramodyog: The Journal of Rural Economy, October, Vol. XXXVIII, No.1.

3. Jain, S.S., Parida, M. (2000) “Public Transport System Development In India”, Urban Railways, October, pp. 41-45.

4. Jain, S.S. & Parida, M. (2001) “A Conceptual Approach to Planning & Design of Multimodal Transport System”, Construction Infrastructure Information (CII), New Delhi, July – August, pp. 34-40.

5. Jain, S.S., Parida, M., Aggarwal, S. (2001) “Emerging Trends in Development of Road Maintenance Management System”, CE&CR, November, pp. 39-46.

6. Aggarwal, S., Jain, S.S. and Parida, M. (2002) “ Maintenance Management of Highway Infrastructure in India”, Transport Track, Vol.2 No.1.

7. Jain, S.S., Parida, M., Aggarwal, S. (2002) “Using HDM-4 for Road Management in India”, Journal of New Building Materials & Construction World, Vol.8, No.5, November.

8. Jain, S.S., Parida, M. and Sanjiv Aggarwal (2004) “Application of HDM-4 for Network Level Pavement Management System for Indian National Highway Network”, Journal Civil Engineering & Construction Review, December 2004, pp. 46-55.

9. Parida, M., Jain, S.S., Amar Kumar, D.S.N.V. and Randhawa, Rominder (2005), “Flyovers Facilitate Traffic & Traffic Noise”, Transport Track, Vol.5, No.1, pp. 17-20.

1. Jain, S.S., Parida, M. and Thube, D.T., (2005) “Performance Based Maintenance Contracts for Roads”, Civil Engineering & Construction Review (CE&CR), Vol.18, No.11, November, New Delhi, pp. 42-48.
2. Jain,S.S.,Parida,M. and Kumar Pawan (2010) “ Multimodal Transportation Planning for Delhi-A Conceptual Approach”,B2B purchase,Vol.3 Issue 12 Mumbai

**C. LIST OF INTERNATIONAL CONFERENCE REFEREED PAPERS**

1. Parida, M., Gupta, A.K. (1992) “Management of Vehicular Pollution in Delhi”, ICOEM 1992 held at Tehran, Iran.
2. Gupta, A.K., Parida, M., Khanna, S.K. (1992) “A Transportation Planning Oriented Solution to the Environmental Issues in a Metropolitan Area”, ICOEM 1992 held at Tehran, Iran.
3. Gupta, A.K., Khanna, S.K., Parida, M. (1992) “An Appraisal of Mode Choice Analysis and Research in India”, WCTR 1992, held at Lyons, France.
4. Parida, M., Gupta, A.K., Khanna, S.K. (1993) “Determination of Mode Choice of Commuters in Delhi”, CODATU VI (TUNIS) held on 15th to 19th February 1993.
5. Gupta, A.K., Jain, S.S., Parida, M., Khanna, S.K. (1993) “An Integrated Mass Transportation System for Delhi”, XII World Congress held at Madrid from May 16-21.
6. Parida, M., Gupta, A.K. (1994) “Logit Software for Analytical Design of Mode Choice”, 1994 IRF Conference held at Calgary in July 3-7.
7. Gupta, A.K., Parida, M. (1994) “Some Considerations for Introducing Light Rail Transit in Indian Metropolitan Cities”, 1994 IRF Conference held at Calgary in July 3-7.
8. Parida, M., Gupta, A.K. (1994) “Mode Choice Analysis Based on Stated and Revealed Preferences for Home Based Work Trips in Delhi”, IFAC Symposium on Transportation System: Theory and Application of Advanced Technology held at China.
9. Parida, M., Gupta, A.K. (1995) “A Stated Preference Approach to Mode Choice Analysis for Work Trips in Delhi”, WCTR1995, Sydney, Australia.
10. Parida, M., Gupta, A.K. (1996) “A Stated Preference Approach to Mode Choice Modelling in Delhi”, CODATU, 1996 held in New Delhi.
11. Jain, S.S., Parida, M., Gupta, A.K., Kumar Vimal (1997) “Analysis of Metropolitan Traffic Noise in Delhi and Possible Abatement Measures”, 1st APTE, 98 held in Singapore, 13 -15 May.
12. Jain, S.S., Gupta, A.K. Khanna, S.K., Parida, M. (1997) “Pavement Maintenance Management Strategy for Efficient Transportation System”, 3rd ICPT held in Beijing, 28-30 April.
13. Jain, S.S., Parida, M., Siddiramulu, D. (1999) “Development of a Software for Prediction of Traffic Noise”, South - Asian Countries Conference on Challenges to Architects and Civil Engineers during Twenty First Century, April 7-9, Kathmandu.
14. Jain, S.S., Parida, M. (1999) “Modelling Urban Traffic Noise in Delhi and Abatement Measures”, CODATU-IX held in Mexico City between 11-14 April,2000.
15. Parida, M., Jain, S.S. (2000) “Urban Traffic Noise Modelling and Abatement Measures”, 2nd APTE, Beizing, China, 11-13 April.
16. Jain, S.S., Parida, M. (2001) “Approach for Prediction of Traffic Noise for Highways Under Indian Environment”, 20th ARRB Conference, Melborne, Australia, 19 - 21 March.
17. Jain, S.S., Parida, M., Bhattacharya, C.C. and Mittal, N. (2002) “Development of Highway Noise Model”, Proceedings, 4th International Conference on Road and Airfield Pavement Technology, April 2002, Kunming, China.
18. Aggarwal, Sanjiv; Parida, M. and S.S. Jain (2002) “Development of an Approach for Integration of PMS with GIS”, 4th International Conference on Road and Airfield Pavement Technology, April 2002, Kunming, China.
19. Aggarwal, Sanjiv, Jain S.S. and M. Parida (2002) “Enhancing Pavement Management Process Using GIS”, International Seminar on Tunnels and Communications for Road Technology, held on November 4-8, 2002 at Beijing, China.
20. Jain S.S., Sanjiv Aggarwal, M. Parida and Suresh Babu (2002) “Selection of Pavement Deterioration Models for PMS”, International Seminar on Tunnels and Communications for Road Technology, held on November 4-8, 2002 at Beijing, China.
21. Parida, M. (2002) “Urban Transportation Planning in India: Issues and Strategies”, Ketnote Paper, 51st National Town and Country Planners Congress, 27-29, December, Chandigarh.
22. Jain, S.S., Parida, M. and Shukla, A. K. (2003), “Traffic Management and Pollution Control”, Keynote Paper, National Conference on Advances in Civil Engineering: Perspective of Developing Countries, 15-16 February, HBTI Kanpur.
23. Aggarwal, S., Jain, S.S., Parida, M. (2003) “Integrating Pavement Management System with GIS-A Case Study”, Map India 2003, January 28-31.
24. Aggarwal, S., Jain, S.S., Parida, M. (2003) “Calibration of HDM-4 Road Deterioration Model for Indian Conditions”, 21st ARRB and 11th REAAA Conference, May 18-23.
25. Parida, M., Jain, S.S. and Mittal, N. (2004) “Alternate Modelling Approaches for Urban Traffic Noise”, 21st ARRB and 11th REAAA Conference, May 18-23.
26. Jain, S.S., Parida, M., Mittal, N. (2003) “Urban Transport Environment Interaction – Defining a National Level Action Plan”, CODATU-XI held at Bucarest, April, 22-24.
27. Parida, M., Jain, S.S., Amar Kumar, D.S.N.V. (2004) “Metropolitan Traffic Noise and Abatement Measures”, CODATU-XI held at Bucarest, April, 22-24.
28. Jain, S.S., Parida, M., Rastogi, A. and Mittal, N. (2004) “Performance Evaluation of Air Pollution Models”, Paper presented in International Conference on Transportation Systems Planning and Operation TRANSPO 2004 held in Chennai on 18-20 Feb.
29. Parida, M., Jain, S.S., Shukla, S. and Singh, A.K. ”Application of Artificial Neural Network for Traffic Noise Prediction”, Paper presented in International Conference on Transportation Systems Planning and Operation TRANSPO 2004 held in Chennai on 18-20 Feb., 2004.
30. Jain, S.S., Parida, M., Chauhan, M.P.S. and Landge, V.S. (2004) “Identification of Hazardous Locations on National Highways” Paper presented in International Conference on Transportation Systems Planning and Operation TRANSPO 2004 held in Chennai on 18-20 Feb.

# Parida, M., Jain, S.S. and Mittal, N., (2005) “Environmental Analysis of Metropolitan Transport system”, Keynote paper presented in National Conference on Recent Trends in Highways and Bridges (RTHB-2005) held at Thapar Institute of Engineering & Technology, Patiala, during 18-19 Feb. (Keynote Paper).

1. Landge, V.S., Parida, M and Jain, S.S. (2005) “Modeling Traffic Accidents on Rural Two Lane Highway Under Mixed Traffic Conditions”, Paper accepted for Annual TRB Meeting, 2006, Washington, D.C., USA.
2. Landge, V.S., Parida, M and Jain, S.S. (2005) “Modeling Crashes on Rural Twp Lane Roads in India:, 4th Asia Pacific Conference on Transportation and Environment, 8-10 Nov., Beijing, China.
3. Landge, V.S., Parida, M and Jain, S.S. (2005) “Modeling Traffic Accidents on Rural Two Lane Highway under Mixed Traffic Conditions”, The ICTCT-Workshop of 2005 in Helsinki, Finland 26-27 Oct. Poster Presentation.

# 35. Landge, V.S., Parida, M and Jain, S.S. (2006) “Designing an Information System for Road Traffic Safety Using GIS”, Indo-Australian Conference on IT Application in Civil Engineering, Organized at IIT Roorkee, Roorkee, 20-21 Feb.

# 36. Landge, V.S., Parida, M and Jain, S.S. (2006) “Stochastic Modeling for Traffic Crashes on Non Urban Highways in India”, 22nd ARRB Conference, Canberra, Australia 29 Oct. – 02 Nov.

37. Jain,S.S., Parida,M., Mittal,N. Noise & Air Pollution Modelling for Transportation System in Delhi and Design of Abatement Measures22nd ARRB Conference, Canberra, Australia, Oct. 29 – Nov. 02, 2006

38. Thube,D.T., Jain,S.S., Parida,M., Application of Artificial Neural Network (ANN) For Prediction of Pavement Deterioration for Low Volume Roads in India22nd ARRB Conference, Canberra, Australia, Oct. 29 – Nov. 02, 2006

39. Jain, S.S., Parida, M. and Thube, D.T. (2005). “Investment and Maintenance Strategy Based on Life Cycle Cost Analysis for Low Volume Roads in India” Fourth International Workshop on Life Cycle Cost Analysis and Design of Civil Infrastructure, Organized by University of Michigan, U.S.A. at Florida, May 8-11, pp.125-133.

40. Thube, D.T., Jain, S.S. and Parida, M. (2005). “Pavement Design and Maintenance Alternatives for Low-Volume Roads in India” Fourth International Conference on Maintenance Analysis of Pavements and Technological Control, Organized by University of Ulster, Northern Ireland, U.K., August 18-19.

41. Thube, D.T., Jain, S.S. and Parida, M. (2005). “Calibration of HDM-4 Pavement Deterioration Models for Low Volume Roads in India “4th Asia-Pecific Conference on Transportation & the Environment, November 8-10, Xi’an, China.

42. Thube, D.T., Jain, S.S. and Parida, S.S, “Development of Pavement Deterioration Models (Calibrating HDM-4) for Low Volume Roads in India” 10th International Conference on Asphalt Pavement, August 2006, Quebec City, Canada.

43. Jain, S.S., Parida, M., Thube, D.T. ”Investment and Maintenance Strategy Based on Life Cycle Cost Analysis for Low Volume Roads in India” Fifth International Workshop on Advances in Life-Cycle Cost Analysis and Design of Civil Infrastructure Systems to be held in Seoul, South Korea, 2006.

44. Jain, S.S., Parida, M., Thube, D.T. (2007) ”Development of Pavement Deterioration models for Low Volume Roads in India”, ICPT Symposium,2007, China.

45. Agarwal,S.K. Parida,M. and Jain,S.S., (2007) “Development of Pavement Management System for Urban Roads in New Delhi”, 23rd World Roads Congress, Paris 2007, Sept. 17-21.

46. Jain,S.S., Parida,M., Jaiswal,Sumeet and Chauhan,M.P.S. (2007), “Road Safety for A State Highway”, 2nd International Conference on Road Safety – Design Construction and Operations of Roads held in Indian Habitat Centre, New Delhi on Oct. 5-6, 2007 organised by International Road Federation (IRF).

47. Jain, S.S., Parida, M. and Thube, D.T. (2008), “Performance Based Maintenance Management for Rural Roads”, Paper submitted for presentation 6th International Conference on Road and Airfield Pavement Technology (ICPT 2008) to be held at Sapporo, Japan on July 20-23.

48. Parida, M., Jain, S.S. and Sharma, K.D. (2008), “Artificial Neural Network in Transport Related Pollution Modelling”, Paper submitted for presentation 6th International Conference on Road and Airfield Pavement Technology (ICPT 2008) to be held at Sapporo, Japan on July 20-23.

1. Parida, P. and Parida, M. (2008), “Modelling Qualitative level of Service for Sidewalks in Delhi”, proceedings of the International Workshop on Best Practices to relieve Congestion on Mixed Traffic Urban Streets in developing Countries, IIT Madras, September 12-12.
2. Parida, P. and Parida, M. (2008), “Environmental Concerns of Urban Transport and NMT as Sustainable Transport Initiative in India”, CODATU XIII on “Sustainable Development Challenges of Transport in Cities of the Developing World: Doing What Works, November 12-14, Ho Chi Minh City, Vietnam.
3. Parida, P. and Parida, M. (2009), “Appreciation of Gender Difference in Development of Qualitative Level of Service for Sidewalks”, 4th International Conference on “Women’s Issues in Transportation, October 27-30, 2009, Irvine, California.
4. Jain, S.S., Parida, M. And Garg, R.D., “GPR Based Rebar Detection in RCC Roads : An Innovative Quality Control Approach”, 7th ICPT Conference, August 03-05, 2011, Bangkok, Thailand.
5. Jain, S.S., Shah, Yoges. U., Parida, M., and Tiwari, Devesh., “Prioritization of Maintenance Management Decisions for Urban Roads Using HDM-4”, 7th ICPT Conference, August 03-05, 2011, Bangkok, Thailand.

# D. LIST OF CONFERENCE/ SEMINAR PAPERS

1. Manglik, P., Parida, M. (1991) “Squatters in a New Town (Bhubaneshwar) : Policy Implication”, ITPI, Roorkee Regional Chapter Seminar on Planning for Housing and Human Settlements held at CBRI on February 22.

2. Parida, M. (1992) “Unintended Development and Masterplan of Bhubaneshwar”, 40th ATCP Seminar held at Pune Organised by ITPI, India.

3. Gupta, A.K., Parida, M. (1992) “Transportation System Management (TSM): A New Concept in Urban Transportation Planning and Management”, 40th ATCP Seminar held at Pune Organised by ITPI, India.

4. Gupta, A.K., Khanna,S.K., Parida,M. (1992) “Necessity of Multimodal Mass Transit System for Delhi”, National Seminar on Advances in Transportation System: Planning and Management, March 12-13 held at IIT, Madras.

5. Gupta, A.K., Jain, S.S., Parida, M., Khanna, S.K. (1992) “Subsidy and Mode Choice Behaviour”, National Seminar on Issue of Subsidy in Transport & Related Sectors held at IIT Delhi on 16th May 1992.

6. Parida, M., Gupta, A.K. (1992) “Study on Mode Choice Behaviour of Commuters in Delhi”, Institution of Engineers (India), U.P. State in the Annual General Meeting held on 6th December 1992.

7. Gupta, A.K., Jain, S.S., Parida, M. (1992) “A Transportation System Management (TSM) Solution for Agra Heritage Project Area”, Institution of Engineers (India), U.P. State Centre in the 72nd AGM on 6th December.

8. Gupta, A.K., Parida, M. (1993) “Mode Choice Modelling of Commuter Behaviour in Delhi”, First Annual Conference of Indian Society of Industrial & Applied Mathematics held at University of Roorkee, February 4-7.

9. Gupta,A.K., Jain,S.S., Khanna,S.K., Srivastava,J.B., Parida,M. (1993) “Some Considerations in Evaluation of Environmental Aspects of Urban Transport”, Indian National Academy of Engineering for the Seminar on Urban Transportation held at CRRI, New Delhi, February 12-13.

10. Parida, M., Gupta, A.K. (1993) “A Stated Preference Approach to Mode Choice Analysis”, 73rd AGM Technical Season of the Institution of Engineers (India), U.P. State Centre, Lucknow.

11. Parida,M., Gupta,A.K. (1994) “Demand Estimation of Innovative Modes”, Second Annual Conference of Indian Society of Industrial and Applied Mathematics held at Anna University, Madras.

12. Jain, S.S., Gupta, A.K., ParidA, M., Khanna, S.K. (1996) “Rejuvenation of Ring Railway System in Delhi by Integration with Bus Routes”, Policy Seminar on Urban Transport and Mass Transit, October 14-17, New Delhi.

13. Jain, S.S., Parida, M., Gupta, A.K. (1996) “Integration of Road and Rail Based Public Transport in Urban Areas”, Third Best Paper in the 7th AGM of the Institution of Engineers (India), U.P. State Centre, 16-17, November.

14. Gupta, A.K., Parida, M. (1997) “Stated Preference Approach (SPA) for Mode Choice Modelling and Analysis”, ICOQM, Jaipur, January 5-8.

15. Parida, M., Gupta, A.K. (1997) “Mass Transportation and Sustainable Development”, CENSUSTAD - 97, February 13-15.

16. Jain, S.S., Parida, M., Pardeep Kumar, Khanna, S.K. (1997) “Analysis of Interface Between Bus and Rail Transportation System”, tetra 97, Centre for Transportation Engineering, Civil Engineering Department, R.E.C. Warangal.

17. Jain, S.S., Parida, M., Gupta, A.K., Kumar Vimal (1997) “Modelling Traffic Noise in Delhi”, 13th National Convention of Civil Engineering, The Institution of Engineers (India), Delhi State Centre.

18. Jain, S.S., Parida, M., Gupta, A.K., Kumar Vimal (1997) “Modelling of Metropolitan Traffic Noise & Possible Abatement Measures”, International Conference on Planning for 21st Century Deptt. of Architecture and Planning, University of Roorkee.

19. Jain,S.S., Parida,M., Khanna,S.K. (1997) “Optimisation of Transportation Infrastructure of Rail and Road Based System”, International Conference on Planning for 21st Century Deptt. of Architecture and Planning, University of Roorkee.

20. Jain, S.S., Parida, M., Dev, N., Khanna, S.K. (1997) “Integrated Development of Public Transport Modes - A Case Study on Delhi City”, Seminar on the subject, “Urban Transportation Problems - A Case Study of Ahmedabad City”, Organised by the Institution of Engineers (India), Gujrat State Centre.

21. Jain, S.S., Parida, M., Gupta, A.K. (1997), “Study of Urban Road Traffic Noise and Possible Mitigative Measures”, 77th AGM, Institution of Engineers (India), U.P. State Centre, Lucknow.

22. Parida, M., Jain, S.S., Khanna, S.K. (1997) “Choice of Appropriate Technology for Rural Road Construction in U.P.”, 77th AGM, Institution of Engineers (India), U.P. State Centre, Lucknow.

23. Parida, M., Chandra, Satish (1998) “Traffic Management in Urban Areas”, International Seminar on “Highway Safety Management and Devices”, Indian Roads Congress, New Delhi, 6-7 November.

24. Jain, S.S., Parida, M. (1998) “Conceptual Approach for Reduction in Environmental Pollution through Integration of Transport Modes in Delhi”, 28th Annual Convention of ISTE and National Seminar on “Environment and Development”, November 21-23, Ludhiana.

25. Jain, S.S., Parida, M., Dev. N. (1999) “Multimodal Transportation System for Metropolitan Area”, Second National Conference on Construction - Infrastructure, Vigyan Bhawan, New Delhi.

26. Parida, M., Jain, S.S., Khanna, S.K. (1999) “Noise Modelling for Urban Areas”, Second National Conference on Construction - Infrastructure, Vigyan Bhawan, New Delhi.

27. Chandra, S., Parida, M. (1999) “Neurocomputing in Mode Choice Analysis”, South-Asian Countries Conference on Challenges to Arcchitects and Civil Engineers during Twenty First Century, April 7-9, Kathmandu.

28. Praveen Kumar, Jain, S.S., Parida, M. (1999) “Non - Motorised Road Transport”, Institution of Engineers (india), U.P. State Centre, Lucknow.

29. Jain, S.S., Parida, M. (1999) “Prediction of Traffic Noise for Indian Roads”, Institution of Engineers (India), U.P. State Centre, Lucknow.

30. Praveen Kumar, Jain, S.S., Parida, M. (1999) “Future of Non-Motorised Transport in Developing Countries”, CODATU-IX held in Mexico City between 11-14 April, 2000.

31. Jain, S.S., Khanna, S.K., Parida, M., Bhanwala, R.S. (1999) “Maintenance Management Strategy for Flexible Pavements”, IRC Seminar on “Highway Rehabilitation and Maintenance”, New Delhi.

32. Jain, S.S., Parida, M. (2000) “Enhancing Quality of Higher Technical Education for the Next Millenium”, Third National Conference on “Construction - Globalization Challenges for the Indian Construction Industry, Construction Industry Development Council”, New Delhi, February 10-11.

33. Parida, M., Parida, P.M. (2000) “Public Transport System for Indian Cities”, Paper presented at National Conference on “Approach to Planning in 2000 and Beyond” at University of Roorkee, Roorkee, April 28-29.

34. Aggarwal, Sanjiv, Jain S.S. and M. Parida (2000) “Need of Pavement Management System in India”, Proceedings, Technical Session, 80th AGM of Institution of Engineers, UP State Centre, December 2000, Lucknow.

35. Jain, S.S., Parida, M. (2000) “Need of Modern Traffic Management Techniques for National Highways”, Paper submitted to IRC Seminar on “Road Financing, Design, Construction and Operation of Highways in 21st Century”, Organised by IRC, New Delhi on 24th - 25th September.

36. Jain, S.S., Parida, M. (2000) “Innovations in Design, Evaluation and Maintenance Management of Flexible Pavements”, Proc. of Rim-2000, Bangalore, March 10-11.

37. Parida, M. (2001) “Undergraduate Technical Education Vision - A Case Study of University of Roorkee”, Proceedings of Seminar on Reforms in Technical Education, Civil Engg. Deptt., University of Roorkee, Roorkee March 26-27.

38. Jain, S.S., Parida, M., Kumar, U. (2001) “An Approach to Accident Data Analysis and Modelling for Road Safety in India”, National Seminar on Challenges for Road Transportation in 21st Century Leading to Fuel Economy, Thapar Institute of Engineering and Technology, Patiala, Feb. 23-24.

39. Aggarwal, S., Jain, S.S., Parida, M. (2001) “Structure of Pavement Management System for India:, National Seminar on Challenges for Road Transportation in 21st Century Leading to Fuel Economy, Thapar Institute of Engineering and Technology, Patiala, February 23-24.

40. Jain, S.S. and Parida, M. (2001) “Development of Multimodal Transportation System for Indian Scenario”, National Connectivity Vision: Surface Transportation and Communication, Indian national Academy of Engineering, New Delhi.

41. Parida, M., Suresh Babu, B., Jain, S.S. (2001) “Analysis of Pedestrian Facility for National Highway in An Urban Area”, Proc. National Conference on “The Pedestrian” held in New Delhi, September 28.

42. Aggarwal, S., Jain, S.S., Parida, M. (2001) “GIS Based Pavement Management System”, International Seminar on “Sustainable Development in Road Transport” held at New Delhi on 8th and 9th November, 2001.

43. Singh, D.V., Jain, S.S., Parida, M. (2001) “Need for Multimodal Transport Policy in India”, International Seminar on “Sustainable Development in Road Transport” held at New Delhi on 8th and 9th November, 2001.

44. Bhattacharya, C.C., Singh, S.P., Parida, M. (2001) “Development of An Approach to Highway Noise Model for Indian Condition”, International Seminar on “Sustainable Development in Road Transport” held at New Delhi on 8th and 9th November, 2001.

45. Jain, S.S., Parida, M., Mittal, N. (2002) “Material Specification for Highway Noise Barrier”, National Conference on “Advances in Construction Materials (AICM-2002)” R.E.C. Hamirpur, April 8-9.

46. Parida, M., Moon, R., Jain, S.S., (2001) ‘Transportation Infrastructure Improvement for Developing Roorkee as a Model City of Uttaranchal”, All India Seminar on “Infrastructural Development in Uttaranchal - Problems & Prospects, IN-D-U-2001”, Roorkee, October 11-13.

47. Jain, S.S., Parida, M., (2002) “An Approach to Development of Multi-Modal Transportation System under Indian Scenario”, National Conference on Transportation Systems (NCTS), April 24-26, Applied Systems Research Program (ASRP) and Association for Transport Development in India (ATDI), I.I.T. Delhi.

48. Parida, M., Jain, S.S., Mittal, N., Bhattacharya, C.C. (2002) “Modelling of Highway Noise for Indian Condition”, NCTS April 24-26, ASRP & ATDI,, I.I.T. Delhi.

49. Parida, M., Jain, S.S., Bairwa, H.R. (2002) “Analysis of Accident Black Spot for a National Highway”, NCTS April 24-26, ASRP & ATDI, I.I.T. Delhi.

50. Agarwal, S., Jain, S.S., Parida, M. (2002) “Integrated HDM-4 Based Pavement Management Using GIS”, NCTS April 24-26, ASRP & ATDI, I.I.T., Delhi.

51. Aggarwal, Sanjiv, Jain S.S. and M. Parida (2002) “Calibration of HDM-4 Roughness Model for Indian Conditions”, National Seminar on “Road Transport in India: Emerging Trends and Techniques (ROTRAN 2002)”, at IIT Kharagpur, September 12-13, 2002.

52. Parida, M., Jain, S.S. and Mittal, N. (2002) “Analytical Modelling of Interrupted Traffic Flow Noise”, National Seminar on “Road Transport in India : Emerging Trends and Techniques (ROTRAN 2002)”, held on September 12-13, 2002 at IIT Kharagpur.

53. Aggarwal, Sanjiv; Jain, S.S. and M. Parida (2002) “Development of Road Transportation Infrastructure – The Way Ahead”, Proceedings of Fifth National Conference on “Construction – The Way Ahead”, held on November, 11th & 12th , 2002 at Vigyan Bhawan, New Delhi.

54. Aggarwal, Sanjiv; Jain, S.S. and M. Parida (2002) “Private Sector Participation in the Development of National Highway Network”, Proceedings of National Seminar on “Financial Management and Institutional Reforms in Highway Sector” held on November 17th & 18th, 2002 at Vigyan Bhawan, New Delhi.

55. Parida, M., Aggarwal, S., Jain, S.S. (2002) “Human Resource Development for Highway Sector, Souvenir, Seminar on “Financial Management and Institutional Reforms in Highway Sector”, New Delhi, No.18-19, pp. 1-3.

56. Jain, S.S., Parida, M., Mittal, N. (2003) “Environmental Analysis of Metropolitan Transportation System”, National Conference on Urban Transport and The Environment, KLE Society’s College of Engineering and Technology, Belgaum, June, pp.1-17.

57. Jain, S.S., Dinesh Kumar, Parida, M. (2003) “Design of Noise Barrier for Britannia Chowk Flyover in Delhi”, Paper submitted to 18th Indian Engineering Congress, Lucknow.

58. Jain, S.S., Parida, M. and Mittal, N. Nagariya Yatayat Avam Vatavaran Mein Sambandh- rashtriya Samanvay Ki Aur Ek Prayas” Manthan.

59. Jain, S.S., Parida, M. and Mittal, N. “Mahanagariya Yatayat Sambandhi Dhvani Avam Vayu Pradhushan”, Sadak Yatayat Avam Pradhushan- Rashtriya Sanghoshti, 19-20 Sept., 2003, Central Road Research Institute, New Delhi.

60. Landge, V.S., Jain, S.S. and Parida, M. (2003)” Development of a Rational Approach for Study of Road Accidents”, IRC Seminar on Integrated Development of Rural and Arterial Road Network for Socio-Economic Growth, 5-6 December, Vigyan Bhawan, New Delhi.

61. Aggarwal, S., Jain, S.S., Parida, M. (2003)” Need for Change in Rural Road Network Scenario of India”, IRC Seminar on Integrated Development of Rural and Arterial Road Network for Socio-Economic Growth, 5-6 December, Vigyan Bhawan, New Delhi.

62. Jain, S.S., Parida, M. and Thube, D.T. (2003), “Rural Infrastructure Development in Uttaranchal- A critical Approach” IRC Seminar on Integrated Development of Rural and Arterial Road Network for Socio-Economic Growth, 5-6 December, Vigyan Bhawan, New Delhi.

63. Jain, S.S., Parida, M. and Thube, D.T. (2003),” Performance Based Road Maintenance Contracts” Published in Souvenir of IRC Seminar on Integrated Development of Rural and Arterial Road Network for Socio-Economic Growth, 5-6 December, Vigyan Bhawan, New Delhi.

64. Jain, S.S., Parida, M., Chauhan, M.P.S. and Landge, V.S. “Development of an Alternative Method for Identification of Hazardous Location” National Seminar on Strategies in Traffic Engineering and Management (STEM –04) to be held in Bangalore, 16-17 Feb., 2004.

65. Aggarwal, S., Jain, S.S. and Parida, M. (2004), “Application of HDM-4 for Pavement Management of National Highway Network”, Proc. of National Seminar on Strategies in Traffic Engineering and Management (STEM –04) to be held in Bangalore, 16-17 Feb., 2004.

66. Shukla, A.K., Parida, M. and Jain, S.S. (2004) “Development of Traffic Management Strategies for Lucknow” Proc. National Seminar on Strategies in Traffic Engineering and Management (STEM-04), Bangalore, 16-17 Feb., 2004.

67. Parida, M., Jain, S.S., Chauhan, M.P.S. and Jaiswal, S.S. (2004) “Advances in Concrete Paving Techniques” Souvenir for Seminar on Design, Construction and Maintenance of Cement Concrete Pavements, held at New Delhi from 8th to 10th October.

68. Thube, D.T., Jain, S.S. and Parida, M. (2004) ”R & D Need in Construction and Maintenance of Low Volume Concrete Roads“ Souvenir for Seminar on Design, Construction and Maintenance of Cement Concrete Pavements, held at New Delhi from 8th to 10th October.

69. Mittal, A., Parida, M. and jain, S.S. (2004) “Research and Development Needs for design of Low Volume Concrete Roads” Souvenir for Seminar on Design, Construction and Maintenance of Cement Concrete Pavements, held at New Delhi from 8th to 10th October.

70. Chauhan, M.P.S., Parida, M., Jain, S.S. and Vasan, R.M. (2004) “Quality Control of Concrete Roads in Urban Areas” paper accepted for Seminar on Souvenir for Seminar on Design, Construction and Maintenance of Cement Concrete Pavements, held at New Delhi from 8th to 10th October.

71. Mittal, N., Parida, M. and Jain, S.S. (2004) “Planning and Design of Urban Transport System for Safe Movement of PWDs”, paper presented in National Seminar on Universal Acessibility for Disabled persons held at CIRT Pune, during 15-16 Oct.

72. Thube, D.T., Jain, S.S. and Parida, M. (2005) “Maintenance Management System concepts for Low volume Roads in India”, paper presented in National Conference on Advances in Road Transportation (ART-2005) held at National Institute of Technology, Rourkela, Orissa during 12-13 Feb.

73. Mittal, A, Parida, M. and Jain, S.S. (2005) “Conceptual Approach for Intelligent Transport System Architecture”, paper presented in National Conference on Advances in Road Transportation (ART-2005) held at National Institute of Technology, Rourkela, Orissa during 12-13 Feb.

74. Aggarwal, S., Parida, M. and Jain, S.S. (2005) “Development of Pavement Management System for Urban Roads”, paper presented in National Conference on Recent Trends in Highways and Bridges (RTHB-2005) held at Thapar Institute of Engineering & Technology, Patiala, during 18-19 Feb.

75. Ahmad, Y., Bhargava, R. and Parida, M. (2005) “Transport Generated Air Pollution on National Highways in Haridwar District”, paper presented in National Conference on Recent Trends in Highways and Bridges (RTHB-2005) held at Thapar Institute of Engineering & Technology, Patiala, during 18-19 Feb.

76. Landge, V.S., Parida, M. and Jain, S.S. (2005) “Metropolitan Road Traffic Accidents in India”, paper presented in National Conference on Recent Trends in Highways and Bridges (RTHB-2005) held at Thapar Institute of Engineering & Technology, Patiala, during 18-19 Feb.

77. Thube, D.T., Parida, M. and Jain, S.S. (2005) “Economic Evaluation for Low Volume Rural Roads in India”, paper presented in National Conference on Recent Trends in Highways and Bridges (RTHB-2005) held at Thapar Institute of Engineering & Technology, Patiala, during 18-19 Feb.

78. Landge, V.S., Parida, M., Jain, S.S. (2005) “GIS-Based Accident Analysis and Database System for Road Traffic Safety, PRITHVI 2005, International Conference on Environment Friendly Transportation, Thiruvananthapuram, Kerala (Accepted for publication).

79. Jaiswal, S. and Parida, M. (2005) “Ropeway – An Alternative Mode of Transport in Hilly Region”, Paper Accepted for International Seminar, Feb 24-25, 2005, PRITHVI 2005, Global Eco Meet.

80. Jain,S.S., Naqvi, H.M., Patil, S.N. and Parida, M. (2005) “Analysis of Traffic Operation on Mumbai-Pune Expressway”, Proceedings of seminar on High Speed Road Corridors, Vigyan Bhawan, New Delhi, 23-24 September.

81. Parida, M., Jain, S.S., and Landge, V.S. (2005) “Community participation for Road Safety”, Souvenir of Seminar on High Speed Road Corridors”, Vigyan Bhawan, New Delhi, 23-24, September.

82. Landge, V.S., Jain, S.S. and Parida, M. (2005) “Identifying Accident Prone Locations on Non-urban Highways – A Case Study of National Highway No. 58”, National Seminar on ‘Road Safety Management’, CIRT Pune, 26-27 May, pp.5-12.

83. Jain, S.S., Parida, M. and Landge, V.S. (2005) “Road Traffic Safety Study for Promotion of Tourism and Industries for Uttaranchal State”, Safety Conference Organized by Safety and Quality Forum, Institution of Engineers (India), Dehradun, June 24.

84. Jain,S.S.,Parida,M.,Thube,D.T.(2006) “Optimal Startegies for Maintenance of Rural Roads in Uttaranchal”,International Seminar on “Innovations in Construction and Maintanance of Flexible Pavements” held at Agra from 2nd to 4th September,2006.

85. Jain,S.S. and Parida,M. (2006) “ Prediction of Highway Accidents and Remedial Measures”Keynote Lecture ,National Conference on Technology for Disaster Mitigation,29th to 30th September,2006.

86. Jain, S.S., Parida, M., Thube, D.T. (2007) “Calibration of HDM4 for Rural Roads in India”, National Conference & Exposition on Rural Roads, Vigyan Bhawan, New Delhi, May 23-24.

87. Parida, M. (2006) “Maintenance Management Strategy for Rural Roads”, National Conference & Exhibition on Civil Engineering : Meeting the Challenges of Tomorrow (CEMCT-2006), Guru Nanak Dev Engg. College, Ludhiana, November.

88. Landge, V.S., Parida, M., Jain, S.S. (2007) “Dvelopment of Data Base System for Road Traffic Safety”, Proceedings of National Conference on Sustainable Urban Transportation: Issues and Management Strategies, 28-29 December, pp.IV-45 to IV-50.

89. Parida, P. & Parida, M. (2007) “Qualitative Evaluation of Sidewalls Facilities in Delhi Metropolitan Area”, Proceedings of National Conference on Sustainable Urban Transportation: Issues and Management Strategies, 28-29 December, pp. III-9 to III-14.

90. Parida, P., Parida, M., Gangopadhyay, S. (2008) “Planning of NMT as a Sustainable Transport Initiative”, International Conference on Transportation System Studies – 2008, 10-12 January 2008.

1. Shah Ami, Parida, M. and Jain, S.S. (2008), “Comparative Evaluation of Traffic Simulation Software for Modelling Urban Traffic” Journal submitted for 3-6 December TPMDC 2008, IIT Bombay.
2. Kumar, Pawan, Parida, M. and Kulkarni, S.Y. (2009), “Multimodal Transportation Planning in Metropolitan Region”, Paper submitted for 57th National Town & Country Planners Congress on District Regional Development Plan”, Jan. 23-25, 2009, Goa.
3. Kumar, Pawan, Jain, S.S. and Parida, M. (2009), “Integrated Transport Network for Urban Multimodal Transportation System”, Abstract submitted for National Conclave on “Construction” (Future Directions for Capacity Development in Construction Industry), organized by CIDC, April 13-15, 2009.

94. Rajeev Kumar Mishra, Govind Pandey and M. Parida (2009) “Consequences of Various Parameters on Smoke Emission: a Case Study”in an International Conference on ‘Air Quality-Science and Application (Air Quality-2009)’, Istanbul, 24-27 March, 2009.

95. Rajeev Kumar Mishra, M. Parida and S. Rangnekar (2009) “Knowledge Based Approach for Traffic Emission Control” in an International Conference on Information Science and Engineering (ICISE), scheduled to be held on Dec. 26-28, 2009 in China.

96. Rajeev Kumar Mishra, Govind Pandey and M. Parida (2009), “Effect of Vehicle Age and Maintenance on Smoke Emission of Diesel Vehicles” in an International Conference on Recent Advances in Environmental Science and Technology, scheduled to be held on Nov. 2-4, 2009 in Banaras Hindu University (B.H.U.).

97. Rajeev Kumar Mishra, M. Parida and S. Rangnekar (2009), “Environmental Sustainability of Transport Systems” in a National Conference on Civil Engineering Conference-Innovation without limits, scheduled to be held on 18-19th September 2009 in National Institute of Technology, Hamirpur (HP).

98. Pawan Kumar, S.Y.Kulkarni and M.Parida (2009), “Planning of Multi Modal Transport System in Delhi: Need of the Hour” , Proceedings of 6th International Conference on “ Good Urban Governance for Making Cities Work” January 29-31, 2009, Mumbai, India.

99. Pawan Kumar, S.Y.Kulkarni and M.Parida (2009), Multi Modal Transport System in Urban India, Proceedings of National Conference on “Developing Harmonious & Sustainable Cities in India for a Better Urban Future” March 20-21, 2009, New Delhi, India.

100. Pawan Kumar, S.S.Jain, S.Y.Kulkarni and M.Parida (2009), “Multi Modal Transport System: An Integrated Approach”, Proceedings of National Conclave on “Construction”, August 13-14, 2009, New Delhi, India.

101. Pawan Kumar, S.S.Jain, S.Y.Kulkarni and M.Parida (2009), “Role of Non-motorized Vehicles in Multi Modal Transport System for Delhi” Proceedings of National Conference on “Innovation without Limits”, September 18-19,2009, NIT Hamirpur (HP).

102. Pawan Kumar, S.S.Jain, S.Y.Kulkarni and M.Parida (2009), “Walking and Cycling as Constituent Modes of Multi Modal Transport System”, Proceedings of 4th Uttarakhand Science Congress, , Nov. 12-14, 2009, Pantnagar.

103. Pawan Kumar, S.Y.Kulkarni & M. Parida (2009), “Multimodal Transport System for Delhi: Policy Based Analysis”, 12th International Conference of the International Association for Travel Behaviour Research (IATBR), 13th to 18th December, 2009, Jaipur.

104. Parida, P. & Parida, M. (2011) “Traffic Management for Improved Truck Operation”, Souvenir of National seminar on Indian Road Transport: Challenges & Opportunities by Odisha State Truck Owners’ Federation, 30th January,Saheed Bhawan Cuttack, pp.102-103.

105. Jain, S.S. ,Parida,M. and Landge,V.S. (2010) “ Institutional Arrangements for Community Participation”, Souvenir of 5th IRF Regional Conference on Institutional Arrangements for Reduction of Road Fatalities,25-26 November,New Delhi.

106. S.S. Jain, M. Parida and V.S. Landge, “Institutional Arrangements for Community Participation”, Souvenir of 5th IRF Regional Conference on Institutional Arrangements for Reduction of Road Fatalities, 25-26 November, New Delhi, 2010.

107. Rajeev Kumar Mishra, M. Paridaand S. Rangnekar, “EIA Based Noise Impact Analysis For MRTS Corridor”, in an International Conference on Internoise 2010, scheduled to be held on June 13-16, 2010, Lisbon, Portugal, 2010.

108. Rajeev Kumar Mishra,M. Parida and S. Rangnekar, “Urban Transport System: An Environmentally Sustainable Approach”, 3rd International Congress on Environmental Research, September 16-18, 2010 in Mauritius.

109. Rajeev Kumar Mishra, M. Parida and S. Rangnekar,“Community Perception Based EIA Analysis of BRTS Corridor”, International Conference on Developments on Road Transportation, held on October 8-10, 2010 in NIT Rourkela in Orissa, India, 2010.

110. Rajeev Kumar Mishra, M. Parida and S. Rangnekar,“Environmentally Sustainable Strategies for Urban Transport System in India”, International Conference on Sustainable Transport and Quality of Life in the city, held on 25-27 October, 2010 in Buenos Aires, Argentina, 2010.

111. Rajeev Kumar Mishra, M. Parida and S. Rangnekarand V. Gahlot(2010), “Predicting Urban Traffic Air Emission along BRTS Corridor in Delhi” National Seminar on Emerging and Sustainable Techniques in Civil Engineering, has been held on 18-19 October, 2010 in College of Technology and Engineering (CTAE), Udaipur, Rajsthan.

112. V. Gahlot, M. Parida and Rajeev Kumar Mishra (2010), “Use of Soft Computing Techniques in Urban Transport Planning” National Seminar on Emerging and Sustainable Techniques in Civil Engineering, has been held on 18-19 October, 2010 in College of Technology and Engineering (CTAE), Udaipur, Rajsthan.

113. M. Parida and P. Parida, (2010) Traffic Management for Improved Truck Operation, National Seminar on Indian Road Transport: Challenges & Opportunities, Cuttack, January 30.

114. Kranti Kumar, V.K. Katiyar, M. Parida, Kamini Rawat, “Modeling and Prediction of Road Traffic Noise using Artificial Neural Network”, accepted in AMTID 2011, NIT CALICUT.

115. M. Parida and P. Parida (2011), “Development of Safety Based Level of Service for Sidewalls in Delhi”, International Seminar on National Road Development Strategies and Road Safety on Improved Highways, SPA new Delhi, 14-19 March 2011, IHC, New Delhi.

116. M. Parida (2011), “Engineering issues in road safety and how to overcome them”, India Roads Conference, 29-30 June, Hyatt Regency, New Delhi.

117. M. Parida (2010), “Integrated Development of Public Transport System”, International Conference on ‘Developments in Road Transportation’, DRT-2010, NIT Rourkela, October 8-10.

118. Parida, M. (2011), “Planning & Design of Pedestrian Facilities for Urban Areas”, Keynot Lecture during Convention on Improving Public Service with Technology – Action Imperatives, Lucknow Management Association, November 11, 2011.

119. Parida, M. (2011), “Capacity Analysis of Six-Lane Non-urban Highways”, National Workshop on INDO-Highway Capacity Manual, CSIR-CRRI, New Delhi, November 24, 2011.

120. Jain, S.S., Parida, M. & Naveen Kumar, C. (2011), “Safety Implications of Creometric Design Standards for Non-urban Highways”, 6th IRF Regional Conference, New Delhi, October 3-15.

121. Shah, U. Yogesh., Jain, S.S., Parida, M. & Tiwari, D. (2011), “Comparison of Scheduled and Condition Responsive Maintenance for Urban Road Network”, 1st Conference of Transportation Research Group of India, 7-10 December, Bangalore.

122. Kranti Kumar, Parida, M. & Katiyar, V.K. (2011), “Road Traffic Noise Prediction using Artificial Neural Network”, 1st Conference of Transportation Research Group of India, 7-10 December, Bangalore.

123. Prakasan, A., Parida, M. & Tiwari, D. (2011), “Comparing Direct Assessment and AHP for Prioritizing Maintenance of Urban Road Network”, 1st Conference of Transportation Research Group of India, 7-10 December, Bangalore.

124. Shah, Yogesh. U., Jain, S.S., Parida, M., Jain, M.K., and Tiwari, Devesh., “Development of Urban Road Management System (URMS) Using HDM-4 for Noida”, International Conference on ‘Advances in Materials and Techniques for Infrastructure Development’, NIT, Calicut, September 28-30, 2011.

125. Jain, Kunal., Jain, S.S., Chauhan, M.P.S., and Parida, M., “Effect of Deferred Maintenance on Priority Ranking for Maintenance of Multilane Highway Network”, International Conference on ‘Advances in Materials and Techniques for Infrastructure Development’, NIT, Calicut, September 28-30, 2011.

126. Kranti Kumar, Parida, M., Katiyar, V.K. (2011), ”Determination of Optimzied Height of Highway Noise Barrier using Artificial Neural Network”, 4th International Congress of Environmental Research, December 15-17, 2011, Surat.

127. Jain .Dr .S.S., Parida. M, Shukla.A.K. (2003), “Traffic Management and Air Pollution” in National Conference “Advances in Civil Engineering : Perspectives of Developing Countries , held at HBTI Kanpur India during 15-16 Feb ,ISBN 81-7764-418-1.

128. Shukla. A.K, Srivastava. J.B , Jain S.S ,Parida. M, “Mitigation of Urban Vehicular Noise Pollution: An Approach” National conference ‘Environmental degradation: Problems and Preventions” at SDCET, Muzaffarnagar 17.09.2005.

129. Shukla. A.K . Jain S.S, Parida . M. and Srivastava. J.B. “Strategies for Abatement of Air Pollution in Metropolitan Cities” Seminar on “Urban Transport Planning & Management” organized by CIRT Pune20-22 Oct 2005 .

130. Shukla. A.K, Parida. M, Jain. S.S, Srivastava. J.B, Singh N.B, Kumar Arun . “Out Door Noise Abatement Measures: A Design Approach”. Seminar “Recent Trends in Science, Technology & its applications” College of Engineering & Technology Muzaffarnagar , 7-8 Jan 2006.

131. Shukla.A.K, Parida. M, Jain S.S, “Geographical Transferability of Traffic Noise Prediction model” National seminar on “Environmental Effects on Civil Engineering Structures” organized by Department of Civil Engineering Sri .Venkateswara University, Tirupati 14-15 July 2006.

132. Shukla.A.K, Srivastava, J.B ,Jain S.S, Parida M, Singh. N .B, Shukla. Ranjana. “Urban Transport Planning For Reduction of Vehicular Air Pollution” in a national seminar on “ Public Participation For Environmental Control” organised by S D Engineering College Muzaffarnagar , 7 April 2007 .

133. P. Parida and M. Parida (2012), “Development of Pedestrian Facility for an Educational Campus”, National Conference and Workshop on Recent Advances in Traffic Engineering (RATE 12),S V NIT Surat,June 7 to 9.

134. Doley,G.S. and Parida,M. (2012), “Time Headway Distribution of Heterogeneous Traffic Flow on Four Lane Highway”, National Conference and Workshop on Recent Advances in Traffic Engineering (RATE 12),S V NIT Surat,June 7 to 9.

1. Parida, M., Jain, S.S.,Col. Shivkumar, A.K., & Shah U. Yogesh. (2012), “Urban Roads Maintenance by Visual Priority Ranking”, Souvenir of 197th Council Meeting,Indian Roads Congress,31 May & 1st June 2012.

## E. DETAILS OF REVIEW / RESEARCH / DESIGN / FEASIBILITY REPORTS

1. Final Report, “Development of Comprehensive Highway Noise Model and Design of Noise Barrier”, submitted to Ministry of Road Transport and Highways, Govt. of India, 2001.
2. State-of-The-Art Report, “Development of Comprehensive Highway Noise Model and Design of Noise Barrier”, submitted to Ministry of Surface Transport, Govt. of India, 1999.
3. Final Report on “Development of a Scientific Approach to Road Safety for Indian Environment”, A TAPTEC Report submitted to AICTE, New Delhi, 2001.
4. Progress Report on “Development of a Scientific Approach to Road Safety for Indian Environment”, A TAPTEC Report submitted to AICTE, New Delhi, 1999.
5. A Progress Report on “Development of Pavement Management System for Urban Roads”, Under R&D Project “Development of Pavement Management System for Indian Highway Network”, submitted to AICTE, New Delhi, 1998.
6. Final Report on “Integrated Design and Analysis of Bus Transportation with Rapid Transit System”, A Major Research Project submitted to University Grants Commission, New Delhi, 2002.
7. A Progress Report on “Integration of Rail and Road Based Mass Transit System in Delhi”, for R&D Project “Development of Mass Transportation Facilities and Transit Corridors for Major Urban Areas in India”, submitted to MHRD, Govt. of India, New Delhi, 1996.
8. Progress Report on “Innovative Labour Based Technology for Construction and Maintenance Management of Rural Roads” under R&D Project “Development of Pavement Management System for Indian Highway Network”, submitted to AICTE, New Delhi.
9. A Progress Report on “Development of Mass Rapid Transit System (MRTS) Corridor in Delhi” for R&D Project on “Mass Transportation System Requirements in Delhi for 2001 AD (MTS-Phase II)”, submitted to University Grants Commission, New Delhi, 1996.
10. A Technology Watch Report on “Multimodal Transportation System, Planning & Design”, submitted to AICTE, New Delhi, 1998.
11. Final Report on Pavement Management and Road Safety, submitted to AICTE, 2001.
12. First Annual Progress Report on AICTE Career Award Project “Modelling of Urban Traffic Noise”, submitted to AICTE, New Delhi, 2002.
13. First Technical Progress Report on “Transport Related Noise Study in Delhi on National Coordinated Project Urban Transport Environment Interaction”, submitted to AiCTE, New Delhi, 2002.
14. First Technical Progress Report on “Transport Related Air Pollution Study in Delhi on Nationally Coordinated Project Urban Transport Environment Interaction”, submitted to AICTE, New Delhi.
15. Final Report on Nationally Co-ordinated Project on Urban Transport Environment Interaction (Study on Transport Related Noise Pollution) submitted to AICTE, New Delhi.
16. Final Report on Nationally Co-ordinated Project on Urban Transport Environment Interaction (Study on Transport Related Air Pollution) submitted to AICTE, New Delhi.
17. Final Report on AICTE Young Teacher Career Award “Modelling of Urban Traffic Noise”, Submitted to AICTE, New Delhi.
18. Final Report on Nationally Co-ordinated Project on Road Traffic Safety submitted to AICTE, New Delhi.

**Annexure – III**

DETAILS OF SPONSORED / CONSULTANCY PROJECTS HANDLED

DURING PAST FIVE YEARS

## A. SPONSORED RESEARCH PROJECTS

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Title** | **Funding Agency** | **Amount**  **(Rupees In Lacs)** | **Duration** |
| 1. | Design and Analysis of Urban Multimodal Mass Transportation System | DST | 22.04 | 2008-2013 |
| 2. | Integrated Development of Public Transport System | AICTE | 30.00 | 2006-2009 |
| 3. | Ferro Fibro Crete Composite Material for Highway Construction | MHRD | 14.00 | 2005-08 |
| 4 | Design Options Based on Performance Analysis of Rural Roads in Uttaranchal | DST | 16.22 | 2003-06 |
| 5. | Nationally Co-ordinated Project on Road Traffic Safety | AICTE | 13.50 | 2002-06 |
| 6. | AICTE Career Award on “Modeling of Urban Traffic Noise | AICTE | 11.25 | 2001-2004 |
| 7. | Development of Infrastructure in Science and Technology in Transportation Engg. Under DST-FIST Scheme | DST | 6.00 | 2001-2006 |
| 8. | Nationally Co-ordinated Project Urban Transportation Environ ment Interaction | AICTE | 38.50 | 2001-2004 |
| 9. | Materials & Development of Micro Electronic Sensors for Intelligent Transport System | MHRD | 10.00 | 2003-06 |
| 10. | Development of Comprehensive Highway Noise Model and Design of Noise Barrier | AICTE | 10.00 | 1999-2001 |
| 11. | Development of Scientific Approach to Road Safety for Indian Environment | AICTE | 10.00 | 1997-98 |
| 12 | Integrated Design and Analysis of Bus Transportation with Rapid Transit System | U.G.C | 6.28 | 1997-2001 |
| 13 | Multimodal Transportation Systems Planning and Design | AICTE | 3.00 | 1997-98 |
| 14. | Pavement Management and Road Safety | AICTE | 3.00 | 1997-98 |

1. **CONSULTANCY PROJECTS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | | **Title** | **Funding Agency** | | **Amount**  **(Rupees in Lacs)** | **Year** |
|  | | Design of Overlays for Strengthening of Delhi Urban Roads | PWD, Delhi | | 0.35 | 1997 |
|  | | Design of Bituminous Mix JobFormula for Strengthening | PWD, U.P. | | 0.40 | 1997 |
|  | | Strengthening and Four-Laning of NH-2 (Agra to Bhognipur) | ICT, New Delhi | | 5.00 | 1998 |
|  | | Benkelman Beam Deflection &Traffic Studies on Delhi Urban Roads | PWD, DN 30 | | 0.80 | 1998 |
|  | | Benkelman Beam Deflection and Traffic Studies on Delhi Urban  Roads | PWD, DN 24 | | 1.44 | 1998 |
|  | | Benkelman Beam Deflection and Traffic Studies on Delhi Urban  Roads | PWD, DN 14 | | 0.42 | 1998 |
|  | | Strengthening of a Portion of NH 58 | NH division Ghaziabad | | 1.04 | 1998 |
|  | | Roughness Studies on NH-2 | NH Division, Agra | | 0. 40 | 1998 |
|  | | Traffic Feasibility Study for an Expressway in National Capital Region | STUP, New Delhi | | 3.50 | 1999 |
|  | | Feasibility Study for State Highway Projects in Punjab | STUP, New Delhi | | 5.00 | 2000 |
|  | | Rehabilitation of Approach  Road in Mathura Refinery | IOCL | | 20.00 | 2000 |
|  | | Development of Transport  Nagar in Hardwar | HDA | | 3.25 | 2000 |
|  | | Feasibility Study of National  Highway :3 Between Agra &  Gwalior | STUP, New Delhi | | 2.05 | 2000 |
|  | | Benkelman Beam, Axle Load  and Traffic Volume Studies on  Delhi Urban Roads | PWD Divisions,  NCTD Delhi | | 5.10 | 2001 |
|  | | Traffic Studies on NH-1, NH-10  & NH-24 in Delhi Urban Area | PWD Divisions,  NCTD Delhi | | 6.35 | 2001 |
|  | | Design of Job Mix Formula  Benkelman Beam Deflection Studies, Testing of Materials | UP PWD Divisions,  AAI, NHAI | | 3.00 | 2001 |
|  | | Development of Guidelines for  Maintenance Management of  Primary, Secondary and Urban  Roads | IRC/MOST/CRRI,  New Delhi | | 1.20 | 2001 |
|  | | Testing and Analysis of BM & SDC Surfaces on Different Roads in Nagar Nigam Ghaziabad | Nagar Nigam,Ghaziabad | | 1.20 | 2001 |
|  | | Testing and Analysis of BM & AC Surfaces on Different Roads in Nagar Nigam Meerut | Nagar Nigam  Meerut | | 0.60 | 2001 |
|  | | Benkelman Deflection Studies on a Portion of NH-T3 | NH Division  PWD, Meerut | | 0.69 | 2001 |
|  | | Preparation of Approach Document for the Feasibility of Transport Nagar in Rishikesh | Hardwar Development Authority,Hardwar | | 3.25 | 2001 |
|  | | Benkelman Beam, Axle Load and Traffic Volume Studies on Delhi Urban Roads | PWD Divisions,  NCTD Delhi | | 2.65 | 2002 |
|  | | Design of Job Mix Formula, Benkelman Beam Deflection  Studies Testing of Materials | UPPWD Divisions  AAI,, NHAI | | 3.00 | 2001 |
|  | | Development of Guidelines for Maintenance Management of Primary, Secondary and Urban Roads | IRC/MOST/CRRI,  New Delhi | | 1.00 | 2002 |
|  | | Benkelman Beam Deflection, Traffic Volume & Axle Load Studies on Delhi Urban Roads | PWD Division-20  NCTD, New Delhi | | 2.65 | 2002 |
|  | | Quality Assurance : Testing of Nagar Nigam Road Surfaces In Ghaziabad | Ghaziabad  Nagar Nigam, | | 0.60 | 2002 |
|  | | Benkelman Beam Deflection Studies for Strengthening of Meerut-Karnal Road and A Portion of NH-72 | PWD Divisions  Muzaffarnagar &  Dhampur | | 1.18 | 2002 |
|  | | Design of Mixes and Testing ofMaterials for Widening and Strengthening of Amausi Airport,Lucknow | AAI, Lucknow | | 0.70 | 2002 |
|  | | Quality Assurance: Testing of Materials on a Portion of Widening and Strengthening of NH-3 (Agra-Morena Section) | NHAI, Agra | | 0.54 | 2002 |
|  | | Design of Job Mix Formula for Bituminous Mixes and Mastic Asphalt | UP PWD, UP SBC | | 1.50 | 2002 |
|  | | Quality Assurance: Testing of Materials on a Portion of Widening and Strengthening of NH-3 (Gwalior-Morena-Dholpur Section) | NHAI, Dholpur | | 1.18 | 2002 |
|  | | Quality Assurance: Testing of Nagar Nigam Road Surfaces In Ghaziabad | Nagar Nigam,  Ghaziabad | | 0.84 | 2002 |
|  | | Benkelman Beam Deflection, Traffic Volume & Roughness Studies | PWD Delhi  PWD UP | | 6.95 | 2002 |
|  | | Benkelman Beam Deflection Studies & Mix Design | PWD Delhi | | 4.75 | 202 |
|  | | Traffic Management Plan for Nainital Lake | AHEC Roorkee | | 2.00 | 2002 |
|  | | Design of Job Mix Formula, Riding Quality & Traffic Volume  Study | UP PWD,  PWD Delhi | | 3.60 | 2002 |
|  | | Design of Job Mix & Roughness Evaluation Study | UP PWD,  PWD Delhi | | 1.81 | 2002 |
|  | | Design of Mixes for Roads and Airports | NHAI,  UP PWD | | 2.19 | 2002 |
|  | | Design of Job Mix Formula for Roads and Airports | NHAI, Jal Nigam,  UP PWD | | 2.38 | 2002 |
|  | | Traffic Volume and Benkelman Beam Deflection Studies & Mix Design | NHAI,  PWD Delhi | | 7.05 | 2002 |
|  | | Design of Job Mix Formula and Testing of Materials | PWD, NHAI,  Nagar Nigam | | 3.64 | 2002 |
|  | | Design of Mix, Testing and Roughness Evaluation Study | UP PWD,  Jal Nigam | | 2.33 | 2003 |
|  | | Design of Noise/Dust Barrier for Britannia Chowk Flyover | PWD Delhi | | 3.41 | 2003 |
|  | | Quality Control of Strengthening of NH-10 | PWD Delhi | | 9.98 | 2003 |
|  | | Preparation of DPR for Taj Expressway | JP Industries Ltd., Delhi | |  | 2003 |
|  | | Redesign & Beautification of Intersection in BEG&C | BEG & C  Roorkee | |  | 2003 |
|  | | Quality Control of BM & DAC on A Portion of NH-24 | PWD Delhi | | 1.08 | 2003 |
|  | | Traffic Feasibility Study for NH-25 | EMA Unihorn (1) Pvt. Ltd. | | 1.35 | 2003 |
|  | | Design of Intersection | Nagar Nigam  Ghaziabad | | 0.54 | 203 |
|  | | Patch Repair Studies | PWD Delhi | | 5.18 | 2003 |
|  | | Benkelman Beam Deflection Test of Road No. 56,57 &57-A | PWD Delhi | | 9.50 | 2003 |
|  | | Feasibility and DPR for Survey and Roughness Survey Kanpur Bypass- Axle Load | CRAPHTS | | 1.89 | 2003 |
|  | | Expansion/ Upgrdadation of Dehradun Airport in Uttaranchal | AAI | | 12.96 | 2003 |
|  | | Benkelman Beam Studies | UP Bridge Corporation | | 7.00 | 2003 |
|  | | Quality Control/ Quality Assurance of Ardh Kumbh Mela Work | Uttaranchal  Govt. | | 40.00 (approx.) | 2003 |
|  | | Quality Control, Testing of DBM, SDBC, DAC etc. | PWD & Other  Agencies | | 16.40 | 2003 |
|  | | Design of Overlays for Strengthening of Delhi Urban Roads | PWD, Delhi | | 7.05 | 2003 |
|  | | Traffic Studies & Recommendations for Detailed Design of Flyovers & Grade Separators | Ghaziabad Develop  ment Authority | | 7.58 | 2004 |
|  | | Design of Job Mix and Pavement | PWD & Other  Agencies | | 3.87 | 2004 |
|  | | Design of Overlays and Profile Correction | PWD,Delhi | | 6.32 | 2004 |
|  | | Design of Overlays and Testing | UP PWD & Other Agencies | | 1.27 | 2004 |
|  | | Design of Overlays and Job Mix | UP PWD & Other Agencies | | 0.92 | 2004 |
|  | | Design of Overlays and Design of Mixes | PWD,Delhi | | 3.94 | 2004 |
|  | | Design of Job Mix and Analysis of Soil | UP PWD & Other Agencies | | 1.26 | 2004 |
|  | | Quality Assurance for work of Construction of Box Culvert and Widening of Road | PWD Delhi | | 15.64 | 2004 |
|  | | Roughness Studies & Recommendations for a portion of NH-1 between Ambala & Jalandhar | PNC Construction  Ambala | | 2.09 | 204 |
|  | | Quality Assurance of PWD Delhi | PWD, Delhi | | 3.31 | 2004 |
|  | | Soil Testing and Analysis of Subgrade | SIDCUL, PWD  Pantnagar | | 1.61 | 2004 |
|  | | Design of Job Mix | UP PWD | | 1.30 | 2004 |
|  | | Traffic Analysis for Predicting Toll Collection | UP PWD | | 2.47 | 2004 |
|  | | Design of Job Mix and Material Characterisation | UP PWD and other  Agencies | | 1.70 | 2004 |
|  | | Quality Assurance Work for Corridor Improvement Plan of Ring Road | Delhi Govt. | | 9.41 | 2004 |
|  | | Quality Assurance for Work of Development of Old DG Road | PWD Delhi | | 1.29 | 2004 |
|  | Design of Job Mix and Design of Overlays | | UP PWD and other  Agencies | 2.07 | 2004 | |
|  | Design of Job Mix and Analysis of Material | | UP PWD and other  Agencies | 1.99 | 2004 | |
|  | Quality Assurance Work for Anuvart Marg, Delhi | | PWD Delhi | 2.18 | 2005 | |
|  | Design of Pavement Layers and Job Mix Formula | | UP PWD and other  Agencies | 2.31 | 2005 | |
|  | Design of Job Mix Formula | | UP PWD and other Agencies | 2.49 | 2005 | |
|  | Design of Overlays for Pavement and Job Mix Design | | UP PWD and other  Agencies | 3.63 | 2005 | |
|  | Design of Overlays, Job Mix and Quality Assurance | | UP PWD and other  Agencies | 4.15 | 205 | |
|  | Design of Noise Barrier as Well as View Cutter for Neighbour Road Cultural Centre Below Raja Garden Flyover | | DTTDC, Delhi | 2.20 | 2005 | |
|  | Design of Job Mix Formula | | UP PWD and other  Agencies | 2.26 | 2005 | |
|  | Design of Overlays for Pavement and Job Mix Design | | UP PWD and other  Agencies | 3.29 | 2005 | |
|  | Design of Overlays, Jab Mix and Quality Assurance | | UP PWD and other  Agencies | 3.76 | 2005 | |
|  | Quality Assurance Work for Mehrauli Road Delhi | | PWD, Delhi | 2.91 | 2005 | |
|  | Quality Assurance work of Bituminous work of Road No. 25 | | PWD, Delhi | 1.16 | 2005 | |
|  | Design of Job Mixes analysis of Materials | | PWD and Other Agencies | 1.99 | 2005-2006 | |
|  | Design of Job Mixes Formula for Strengthening | | PWD and Other Agencies | 2.70 | 2005-2006 | |
|  | Advice and Design of Overlays for PWD Roads | | UPPWD & Delhi PWD | 3.00 | 2005-2006 | |
|  | Advice for Quality assurance of Bituminous work | | Delhi PWD | 1.43 | 2005-2006 | |
|  | Design of Job Formula for Strengthening of PWD Roads | | UPPWD | 1.65 | 2005-2006 | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Design of Job Formula for Strengthening of PWD Roads | Uttaranchal PWD & Delhi PWD | 1.52 | 2005-2006 |
|  | Design of Overlays for Strengthening of MP Road No. 102, 108 & 109 | Delhi PWD | 7.20 | 2005-2006 |
|  | Design of Overlays for Strengthening of Road along Ghazipur Drain | Delhi PWD | 3.80 | 2005-2006 |
|  | Design of Job Formula for Roads | UPPWD | 2.28 | 2005-2006 |
|  | Quality Assurance Work of Strengthening & Post-strengthening Develop-ment Work for Road No. 56, 57, 57A | Delhi PWD | 13.74 | 2005-2006 |
|  | Performance Evaluation of National Highways | M/s Wood Hill Engg &  M/s Puja Projects | 2.43 | 2005-2006 |
|  | Design of Job Formula for PWD’s | UP PWD and Other Agencies | 1.10 | 2005-2006 |
|  | Design of Overlays for Strengthening of NH-2 Byepass | Delhi PWD | 4.85 | 2006 |
|  | Design of Overlays for Strengthening of Approache of ITO and Lok Nayak Setu | Delhi PWD | 5.50 | 2006 |
|  | Design of Job Formula for PWD Roads | UP PWD and Uttaranchal PWD | 1.80 | 2006 |
|  | Design of Overlays for UP PWD Roads | UP PWD | 1.95 | 2006 |
|  | Quality Assurance Work of Choddhar Okhla Motor Marg | Uttaranchal PWD | 1.50 | 2006 |
|  | Quality Assurance Work of MB Road from GT Road to Road No. 65 | Delhi PWD | 2.43 | 2006 |
|  | Design of Overlays for Strengthening by Benkelman Beam | UP PWD | 1.70 | 2006 |
|  | Quality Assurance Work of Raja Garden to Punjabi Bagh | Delhi PWD | 1.62 | 2006 |
|  | Quality Assurance Work of Ring Road Phase-II (Dhaula Kuan to Safdarjung Marg) | Delhi PWD | 4.65 | 2006 |
|  | Design of Job Formula | Various govt. Agencies | 2.22 | 2006 |
|  | Design of Job Formula | Various Govt. Agencies | 1.45 | 2006 |
|  | Quality Assurance of MB Road grom ITO Chungi to Old Yamuna Bridge | Delhi PWD | 6.59 | 2006 |
|  | Quality Assurance of Material for Roads | Uttaranchal PWD | 2.60 | 2006 |
|  | Design of Job Formula for Road | Various Govt. Agencies | 1.71 | 2006 |
|  | Design of Job Formula for Road | Various Govt. Agencies | 1.05 | 2006 |
|  | Quality Assurance of Road No. 40 | Delhi PWD | 4.12 | 2006 |
|  | Performance Evaluation of Pavements and Material | Various Govt. Agencies | 1.34 | 2006 |
|  | Design of Job Formula Pavement and Material | Various Govt. Agencies | 1.45 | 2006 |
| 117. | Design of Job Formula and Advice | U.P. PWD | 2.15 | July 2006  9 Months |
| 118. | Design of Job Formula | PNC Construction and Other Agencies | 1.01 | July 2006  9 Months |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 119. | Design of Job Formula | Uttaranchal and UP PWD | 1.80 | Aug. 2006  8 Months |
| 120. | Design of Overlay for Road No. 26 | PWD Delhi | 2.00 | July 2006  6 Months |
| 121. | Quality Assurance for Guru Ravi Dass Marg (Road No.14) | PWD Delhi | 4.21 | Sept. 2006  6 Months |
| 122. | Quality Assurance of Bituminous Roads | Nagar Nigam Ghaziabad | 1.40 | Sept. 2006  6 Months |
| 123. | Quality Assurance of GSB, WMM, DBM and DAC for Widening of Road No.45 | Delhi PWD | 3.87 | Sept. 2006  6 Months |
| 124. | Design of Job Formula | UP and Delhi PWD | 3.00 | Oct. 2006  5 Months |
| 125. | Design of Job Formula for PWD Roads | UP PWD | 2.72 | Nov. 2006  12 Months |
| 126. | Design of Job Formula | PNC Construction and Other Agencies | 2.60 | Nov. 2006  12 Months |
| 127. | Quality Assurance of PWD Roads and Design of Job Formula | Uttaranchal and UP PWD | 1.70 | Dec. 2006  12 Months |
| 128. | Design of Job Formula and CBR Evaluation | Uttaranchal and UP PWD | 2.15 | Dec. 2006  16 Months |
| 129. | Quality Assurance of MP Road No.58 Delhi | Delhi PWD | 6.40 | Jan. 2007  19 Months |
| 130. | Design of Job Formula and Quality Assessment of Roads | AAI and UP PWD | 3.85 | Jan. 2007  19 Months |
| 131. | Quality Assurance of Road No.70 in Delhi | Delhi PWD | 1.22 | Jan. 2007  19 Months |
| 132. | Design of Job Formula for PWD Roads | UP PWD | 1.40 | Feb. 2007  14 Months |
| 133. | Evaluation of Road Surface and Design of Job Formula | Uttaranchal and UP PWD | 1.37 | Feb. 2007  14 Months |
| 134. | Design of Job Formula for PWD Roads | UP PWD | 1.90 | Feb. 2007  14 Months |
| 135. | Design of Job Formula for Roads | KNR Construction | 0.85 | Feb. 2007  14 Months |
| 136. | Design of Job Formula for Airports | AAI Pant Nagar | 1.01 | Feb. 2007  14 Months |
| 137. | Design of Job Formula for PWD Roads | UP PWD | 1.20 | Feb. 2007  14 Months |
| 138. | Quality Assurance Work of the Roads of IIE Pant Nagar | E.E. PWD Pant Nagar | 5.60 | April 2007  16 Months |
| 139. | Design of Job Formula for Airports | Airport Authority of  India | 1.94 | April 2007  12 Months |
| 140. | Design of Job Formula for PWD Roads | Uttaranchal PWD | 2.06 | April2007  14 Months |
| 141. | Design of Pavement and Job Formula | Uttaranchal UP and Delhi PWD | 3.04 | April 2007 23 Months |
| 142. | Design of Pavement on the basis of CBR | Uttarakhand PWD | 1.00 | May 2007  7 Months |
| 143. | Quality Assurance of August Kranti Marg | Delhi PWD | 2.95 | May 2007  22 Months |
| 144. | Design of Job Formula and Roughness Evaluation | Various Put Agencies | 1.89 | April 2007  8 Months |
| 145. | Design of Pavement Crust Thickness | Uttarakhand and Delhi PWD | 1.61 | May 2007  10 Months |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 146. | Quality Assessment of Road Material | Uttarakhand PWD | 1.22 | April 2007  10 Months |
| 147. | Development of State Highways in Bihar State-Design of Job Formula | CPWD Bihar | 4.82 | June 2007  19 Months |
| 148. | Design of Job Formula for Road and Airport | Uttarakhand PWD and Other Agency | 2.83 | June 2007  19 Months |
| 149. | Development of State Highways in Bihar State - Design of Job Formula and Advice | C.P.W.D. Bihar | 7.43 | July 2007 21Months |
| 150. | Design of Strengthening for a Portion of Road No. 37 | Executive Engineer, PWD CRMD-M 312, Delhi | 1.01 | August 2007 08Months |
| 151. | Design of Job Formula PWD Roads | PWD and Other Agencies | 1.37 | August 2007 08Months |
| 152. | Design of Job Formula for PWD Roads | PWD and Other Agencies | 2.72 | August 2007 10Months |
| 153. | Quality Assurance of Bituminous Work of ORR-26 | Executive Engineer, PWD Div.-X (M-312), New Delhi | 6.66 | August 2007 20Months |
| 154. | Quality Assurance of Chakrata Lakhamandal Motor Marg | Executive Engineer, Temp. Div., PWD, Ckakrata | 5.94 | September 2007  19 Months |
| 155. | Test for Design Quality Assurance for Road | M/s Raj Shyama Construction Pvt. Ltd., Ghaziabad | 2.97 | September 2007  07 Months |
| 156. | Development of State Roads in Bihar - Design of Job Formula | PWD and Other Agencies | 8.01 | September 2007  19 Months |
| 157. | Quality Assurance of New Tehri City Roads | Executive Engineer, Provincial Div., P.W.D., New Tehri | 2.16 | September 2007  07 Months |
| 158. | Design Checking of 75 meter Road from Meerut Road Intersection (NH-58 to NH-24) | Secretary, Ghaziabad Development Authority | 4.04 | September 2007  06 Months |
| 159. | Quality Assurance of Ring Road (Rajghat to Metcalf House) | Executive Engineer, CRMD M-313, PWD Delhi | 6.27 | September 2007  18 Months |
| 160. | Design of Job Formula for Roads | PWD and Other Agencies | 2.07 | September 2007  07 Months |
| 161. | Studies for Urban Roads Infrastructure Improvement for Patna City | Suptd. Engineer, Central Circle, RCD, Patna | 3.93 | October  2007  18 Months |
| 162. | Design of Job Formula for PWD Roads | PWD and Other Agencies | 2.48 | October  2007  06 Months |
| 163. | Design of Job Formula for Airport | G.E. Pune Airport Station, Pune | 1.66 | October  2007  05 Months |
| 164. | Design of Job Formula for Roads | PWD and Other Agencies | 1.0 | September 2007  07 Months |
| 165. | Quality Assurance of M.B. Road (Khajuri Chowk to Sabhapur Village) | Executive Engineer, CRMD-M-213, New Delhi | 7.65 | November  2007  17 Months |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 166. | Development of State Roads in Bihar - Design of Job Formula | Executive Engineer, RSVY Project, Patna, Bhagalpur, Gaya, Purnia and Sasaram | 7.22 | October  2007  18 Months |
| 167. | Expansions & Strenghtening of Apron & Construction of New Taxi way at Lucknow Airport | Senior Manager (Engg.-6), AAI, Lucknow | 1.53 | December  2007  07 Months |
| 168. | Development of State Roads in Bihar - Design of Job Formula | Executive Engineer, RSVY Project Div., Sasaram and Purnia | 1.98 | December  2007  10 Months |
| 169. | Design of Job Formula and Quality Assessment of Material | PWD and Other Agencies | 1.0 | November  2007  10 Months |
| 170. | Design of Formulae for Development of State Highways in Gaya, Sasaram & Bhagalpur in the State of Bihar | Ex. Engineer, CPWD, Gaya/Sasaram & Bhagalpur (Bihar) | 5.15 | December  2007  15 Months |
| 171. | Quality Assurance of Construction Work of Slip Roads at ITO Chungi | Executive Engineer, FPD F-122, PWD, Delhi | 2.81 | January  2008  15 Months |
| 172. | Design of Job Formula for Roads and Airport | PWD and Other Agencies | 4.21 | December  2007  15 Months |
| 173. | Development of State Highways in Motihari in the State of Bihar | Asstt. Executive Engineer, RSVY Project, Motihari (Bihar) | 6.46 | January  2008  15 Months |
| 174. | Design of Job Formula and Quality Assessment of Material | PWD and Other Agencies | 3.49 | January  2008  15 Months |
| 175. | Quality Assurance Works of Aurbindo Marg | P.W.D. Division M-111, Delhi | 2.10 | April  2008  15 Months |
| 176. | Design of Job Formula for Highway and Airport Pavements | PWD and Other Agencies | 3.33 | April  2008  12 Months |
| 177. | Quality Assurance Work of the Widening of NH-87 and Four Lane Road at Pant Nagar | Executive Engineer, Project Unit (SIDCUL), Pant Nagar | 6.54 | April  2008  14 Months |
| 178. | Design of Job Formula | PWD and Other Agencies | 0.81 | April  2008  09 Months |
| 179 | Design of Job Formula for Development of State Highway in the State of Bihar | Executive Engineer, RSVY Project, Bhagalpur | 2.02 | April  2008  11 Months |
| 180. | Design of Job Formula for Roads | PWD and Other Agencies | 5.42 | April  2008  13 Months |
| 181. | Design of Job Formula for Airports | Sr. Manager, AAI DABH, Indore and DGM (Airports) Gurgaon | 1.46 | May  2008  11 Months |
| 182. | Advice for Quality Assurance of PC Work | Executive Engineer, Temp. Div., PWD Sahiya, Kalsi | 1.46 | May  2008  11 Months |
| 183. | Design of Job Formula | PWD and Other Agencies | 2.47 | June  2008  12 Months |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 184. | Design of Job Formula and Quality Assurance | PWD and Other Agencies | 2.27 | June  2008  10Months |
| 185. | Development of State Highways in the State of Bihar-Design of Job Formula | CPWD, ESVY Project (i) Begusarai (ii) Motihari and (iii) Sasaram. | 2.61 | June  2008  10 Months |
| 186. | Design of Job Formula for Airport and Road | Various Govt. Agencies | 3.39 | August 2008  20 Months |
| 187. | Development of State Highways in the State of Bihar – Design of Job Formula | CPWD, RSVY, Gaya, Purnea, Sasaram & Bhagalpur | 4.22 | August 2008  20 Months |
| 188. | Design of Overlays By Benkelman Beam Studies on SH-93 & SH-29 | PWD, Shahjahanpur | 1.01 | August 2008  8 Months |
| 189. | Quality Assurance Work of Road No.51, Delhi | CRMD-M-311 Delhi | 5.01 | Sept. 2008  19 Months |
| 190. | Quality Assurance of Road and Bridge Work under Development of State Highways in the State of Bihar under RSVY Project by CPWD Field Studies and Sample Collection | RSVY, CPWD, Patna, Bihar | 22.88 | Oct. 2008  18 Months |
| 191. | Quality Assurance of Road and Bridge Work under Development of State Highways in the State of Bihar under RSVY Project by CPWD Site Visit and Advised | RSVY, CPWD, Patna, Bihar | 22.88 | Oct. 2008  18 Months |
| 192. | Quality Assurance and Design of Job Formula | Various Govt. Agencies | 4.72 | Sept. 2008  16 Months |
| 193. | Design of Crust Thickness on the Basis of CBR | PWD, Kashipur | 1.83 | Nov. 2008  6 Months |
| 194. | Design of Job Formula and Crust Thickness | Various Govt. Agencies | 1.91 | Oct. 2008  8 Months |
| 195. | Design of Job Formula | Various Govt. Agencies | 1.34 | Oct. 2008  8 Months |
| 196. | Quality Assurance |  | 3.14 |  |
| 197. | Design of Job Formula for CPWD Bihar | Various Govt. Agencies | 4.34 | Oct. 2008  15 Months |
| 198. | Design of Crust Thickness on Basis of CBR | EE, CD, PWD, Kashipur | 1.83 | Nov. 2008  6 Moths |
| 199. | Design of Job Formula and Crust Thickness | Various Govt. Agencies | 1.91 | Oct. 2008  7 Moths |
| 200. | Design of Job Formula | Various Govt. Agencies | 1.34 | Oct. 2008  7 Months |
| 201. | Quality Assurance Work of Road in Najafgarh Block in Delhi | EE, CD, No.12, Delhi | 3.13 | Dec. 2008  16 Months |
| 202. | Design of Job Formula for CPWD Bihar | Various Govt. Agencies | 4.34 | Oct. 2008  14 Months |
| 203. | Proposed Corridor for Connecting Tel Bhawan, ONGC, Dehradun with Charata Road | DGM (Civil) ONGC, Dehradun | 1.75 | Dec. 2008  27 Months |
| 204. | Development of State Highways in the State of Bihar - Design of Job Formula | EE, RSVY, CPWD, Gaya | 4.92 | Feb. 2009  13 Months |
| 205. | Design of Job Formula and Quality Assurance | Various Govt. Agencies | 1.92 | Dec. 2008  26 Months |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 206. | Design of Job Formula and Quality Assurance of Road Work | Various Govt. Agencies | 1.61 | Jan. 2009  6 Months |
| 207. | Design of Job Formula for Development of State Highways in Bihar | Various Govt. Agencies | 3.21 | May. 2008  25 Months |
| 208. | Quality Assurance of Bituminous Layers | EE, PD,PWD, Rudrapur and GDA, Ghaziabad | 4.34 | Feb. 2009  13 Months |
| 209. | Roughness Evaluation Studies on A Portion of NH-87 and Lab Studies | EE, NH Division, PWD, Almorah | XXX | Feb. 2009  13 Months |
| 210. | Quality Assurance of Service Road No. 57 in Delhi | EE, CRMD, M-211, Delhi | XXX | Feb. 2009  13 Months |
| 211. | Quality Assurance of C.C. Marg | Asstt. Engineer, CD, PWD, Roorkee | 8.14 | Mar. 2009  12 Months |
| 212. | Quality Assurance of Bituminous Roads Under GDA, Ghaziabad | GDA, Ghaziabad | 7.15 | Mar. 2009  14 Months |
| 213. | Quality Assurance Work of Bituminous Roads in Ghaziabad Nagar Nigam | Ghaziabad Nagar Nigam, Ghaziabad | 5.00 | Apr. 2009  11 Months |
| 214. | Design of Job Formulae for Strengthening of Roads | Various Govt. Agencies | 5.43 | Feb. 2009  16 Months |
| 215. | Design of Flexible & Rigid Pavements | EE, PWD Saharanpur / EE, PWD Khatima | 2.64 | May 2009  13 Months |
| 216. | Field and Laboratory Study for Quality Assurance of Forest Roads | Executive Director (NR&E), EPI, New Delhi | 6.22 | May 2009  10 Months |
| 217. | Design of Job Formula for Roads and Airports | Various Govt. Agencies | 6.41 | Apr. 2009  20 Months |
| 218. | Design of Job Formula for Bihar State Roads under RSVY Project | Various Govt. Agencies | 3.22 | May 2009  13 Months |
| 219. | Quality Assurance and Evaluation of Bituminous Layers of Roads in Ghaziabad | GDA Ghaziabad | 3.81 | Jun. 2009  12 Months |
| 220. | Micro Surfacing of Roads Under Maintenance Zone M-1, PWD, Delhi | EE, PWD M-111 (NCTD), Delhi | 9.69 | Jul. 2009  20 Months |
| 221. | Field and Laboratory Studies on BM and SDBC Layers | EE, Temp. Div., PWD, Ghansali | 2.08 | Jul. 2009  9 Months |
| 222. | Field and Laboratory Studies on BM Layer | EE, Provincial Div., PWD, Hardwar | 0.60 | Jul. 2009  9 Months |
| 223. | Evaluation of Soil for CBR for Different Roads in Almora (SULT) | EE, Contd. Div., PWD, SULT, (Almora) | 1.32 | Jul. 2009  9 Months |
| 224. | Micro Surfacing of Roads Under Maintenance Zone M-1, PWD, Delhi | Executive Engineer, PWD M-111 (NCTD), Delhi | 10.69 | Jul. 2009 |
| 225. | Field and Laboratory Studies on BM and SDBC Layers | Executive Engineer, Temp. Div., PWD, Ghansali | 2.29 | Jul. 2009 |
| 226. | Evaluation of Soil for CBR for Different Roads in Almora (SULT) | Executive Engineer, Construction Division, PWD,SULT, (Almora) | 1.45 | Jul. 2009 |
| 227. | Quality Assurance of Service Road B/W Dhaula Kuan Flyover to Moti Bagh Flyover | Executive Engineer, PWD, CRMD-M-111, Delhi | 1.96 | Jul. 2009 |
| 228. | Quality Assurance of Bituminous Roads in Ghaziabad Nagar Nigam | Nagar Ayukat Ghaziabad Nagar Nigam, Ghaziabad | 9.59 | Aug. 2009 |
| 229. | Quality Assurance of Resurfacing by Hot-in-Situ Recycling | Executive Engineer, PWD, M-112, Delhi | 37.99 | Dec. 2009 |
| 230. | Quality Assurance of Bituminous Work | Executive Engineer, PWD CRMD M-312, NCTD, Delhi | 7.37 | Aug. 2009 |
| 231. | Studies for Quality Assurance of Chakrata - Tauni Motor Marg | Executive Engineer, T.D. PWD, Chakrata | 1.87 | Sept. 2009 |
| 232. | Design of Job Formula for PWD Tehri Roads | Executive Engineer, P.D., PWD, New Tehri | 2.16 | March 2009 |
| 233. | Quality Assurance of Micro-surfacing of Various Roads under M-2 Zone in Delhi | Executive Engineer, CRMD, M-211, New Delhi | 6.69 | Oct. 2009 |
| 234. | Development of Parking Lot for DTC Commonwealth Games in Delhi | Executive Engineer, BPD M-141, PWD, Delhi | 8.10 | Nov. 2009 |
| 235. | Widening and Improving/ Strengthening of Road upto M.B. Road in Alipur Block | E.E. Govt. of Delhi, Rohini, Delhi | 1.65 | Nov. 2009 |
| 236. | Strengthening of B.J. Marg from Ring Road Outer Ring Road-Third Party Quality Assurance | E.E. Ring Road, New Delhi | 2.17 | Nov. 2009 |
| 237. | Design of Job Formula for Street Scaping & Beautification of Roads under Common Wealth Games in Delhi | Assistant Engineer, B.P. Division M-243, PWD, NCTD, New Delhi | 2.86 | Nov. 2009 |
| 238. | Design of Job Mix Formula for Strengthening of Old DG & CRPF Camp Roads in Delhi | Kundu Construction Company, Pitampura, New Delhi | 1.10 | Nov. 2009 |
| 239. | Quality Assurance Work of Service Road with Eastern Approach Road | Executive Engineer, CRMD, M-213, PWD, Delhi | 3.00 | Dec. 2009 |
| 240. | Third Party Quality Assurance of Cycle Track on Road No. 63 | Executive Engineer, M-213, PWD, Delhi | 2.94 | Dec. 2009 |
| 241. | Strengthening of Quter Ring Road 26 & Raising of Foot Path in Delhi | Executive Engineer, PWD, M-311, New Delhi | 8.38 | Nov. 2009 |
| 242. | Quality Assurance Work foir Resurfacing of Hot-in-Situ Recycling of Various Roads | Executive Engineer, PWD, M-213, Delhi | 17.67 | Dec. 2009 |
| 243. | Strengthening and Post Strengthening Work of Mother Dairy Road | Executive Engineer, PWD Division M-211, New Delhi | 2.56 | Dec. 2009 |
| 244. | Micro Surfacing of Roads Under PWD Zone M-3 in Delhi - Third Party Quality Assurance | Executive Engineer, CRMD M-213, PWD, New Delhi | 9.63 | Jan. 2010 |
| 245. | Bituminous & RMC Work for Street Scapring of Mall Road for Commonwealth Games - Third Party Quality Assurance | Executive Engineer, BPD M-343, PWD, Delhi | 5.77 | Jan. 2010 |
| 246. | Design of Job Formulae for Improvement & Upgradation of Mehrauli - Badarpur Road | A.E., PWD, SD M-1123, Delhi | 1.15 | Jan. 2010 |
| 247. | Design of Job Formulae | Construction Division, PWD, Roorkee | 1.76 | Jan. 2010 |
| 248. | Bituminous Work for Street Scaping and Beautification of PWD Roads Around YSC and Benkelman Beam Deflection Studies for Delhi | E.E., BPD M-243, PWD, Delhi | 16.11 | Apr. 2010 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 249. | Design of Pavement for Kichha-Lal Juan Motor Marg | | Executive Engineer, Provincial Division, PWD, Rudrapur, (U.S. Nagar) | 1.10 | | Apr. 2010 | |
| 250. | Studies for Quality Assurance of Different Roads , CPWD, Ram Nagar | | Executive Engineer, Construction Division, PWD, Ram Nagar | 2.31 | | May 2010 | |
| 251. | Field and Laboratory Studies on BM and SDBC Layers | | Unit In-charge, U.P. PRN Ltd., Tehri | 1.32 | | Jun. 2010 | |
| 252. | Design of Pavement for Widening of Left Yamuna Marginal Bandh | | Executive Engineer, HWD, Agra Canal, Okhla | 1.32 | | Jun. 2010 | |
| 253. | Providing and Laying Mastic Wearing Course on Various Flyovers and Road Junctions under PWD M-112 for CWG | | E.E., PWD, DN M-112, New Delhi | 3.28 | | Jul. 2010 | |
| 254. | Resurfacing by Hot-in-Situ Recycling of Bituminous Layer for Maintenance Zone M-3 in Delhi - TPRA | | E.E., PWD, DN M-311, Delhi | 14.25 | | Aug. 2010 | |
| 255. | Improvement/Modification and Resurfacing of Various Roads under PWD Zone M-2 in Delhi - TRQC | | E.E., M-211, PWD, Delhi | 5.47 | | Aug. 2010 | |
| 256. | | Quality Audit of SDBC and BM Layer | Executive Engineer, PD, PWD, Rudrapur | 0.88 | October 28, 2010 | |
| 257. | | Quality Audit of Different Roads of PWD Ramnagar | Executive Engineer, CD, PWD, Ramnagar, Nainital | 1.38 | Nov. 24, 2010 | |
| 258. | | Quality Audit of Retro Reflective Road Signages on Various Delhi PWD Roads | Executive Engineer, PWD Divn., M-112, Delhi | 1.10 | Nov. 25, 2010 | |
| 259. | | Testing of Semi Dense Bituminous Concrete (SDBC) Layer | Executive Engineer, CD, PWD, Ramnagar, Nainital | 4.96 | March 1, 2011 | |
| 260. | | Development of Bihar Highways - Design of Job Formulae | Executive Engineer, RSVY, CPWD, Bihar | 0.61 | July 05, 2010 | |
| 261. | | Providing and Laying Mastic Wearing Course on Various Flyovers and Road Junctions under PWD M-112 for CWG | E.E., PWD, DN M-112, New Delhi | 3.29 | July 01, 2010 | |
| 262. | | Design of Job Formulae for Resurfacing of Road in Greater Noida | S.M.-6, GNOIDA, Greaterr Noida | 0.55 | July 12, 2010 | |
| 263. | | Design of Job Formulae for IGRUA Fursatganj | Sr. manager (E-C), Airport Authority of India, New Delhi | 0.77 | July 15, 2010 | |
| 264. | | Design of Job Formulae for IRQ1 Work of a Portion of NH-27 | A.E., NH Division-1, PWD, Allahabad | 0.55 | August 20, 2010 | |
| 265. | | Design for Job Formulae for RSVY Project, CPWD, Bihar | Executive Engineer, CPWD, Purnea, Bhagalpur, Motihari | 1.10 | August 16, 2010 | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 266. | Resurfacing by Hot-in-Situ Recycling of Bituminous Layer for Maintenance Zone M-3 in Delhi - TPRA | E.E., PWD, DN M-311, Delhi | 14.25 | August 23, 2010 |
| 267. | Design of Job Formula for Resurfacing of DSC Road, Greater Noida | Senior Manager (V), GNIDA, Greater Noida | 0.83 | October 14, 2010 |
| 268. | Design of Job Formula for BM and SDBC layers | Assistant Engineer, NH Division, PWD, Dhuma Kot | 0.55 | October 12, 2010 |
| 269. | Design of Job Formula for NH-27 | Executive Engineer, NH Div-1, PWD, Allahabad | 0.55 | October 11, 2010 |
| 270. | Development of State Highways in Bihar - Design of Job Formula | Assistant Engineer, RSVY Project Sub-division, Motihari | 1.10 | Nov. 15, 2010 |
| 271. | Design of Job Formula for DBM and DBC | Assistant Engineer, -4, PWD. M-211, Delhi | 0.55 | Nov. 15, 2010 |
| 272. | Study of Job Formula for Resrurfacing of Surajpur Chowk Post to Dadri Railway Line | Senior Manager (V), GNIDA, G. Noida | 0.83 | Nov. 29, 2010 |
| 273. | Design of Job Formula Development of State Highway Bihar P-4 Masaurh Road, Patna | Asstt. Engineer, RSVY Project Sub Division, CPWD, Patna (Bihar) | 1.27 | Nov. 29, 2010 |
| 274. | Benkelman Beam Test on Sakauti-Flawada Road (ODR) in Meerut | Executive Engineer, PD, PWD, Meerut | 0.82 | Dec. 01, 2010 |
| 275. | Design of Job Formulae for Strengthening of a Portion of SH-2 | Ex. Engineer, CD-2, PWD, Hamirpur | 0.77 | Dec. 13, 2010 |
| 276. | Development of State Highways in Bihar - Design of Job Formula | Assistant Engineer, RSVY Project Sub-division, Motihari | 1.10 | Nov. 15, 2010 |
| 277. | Design of Job Formula for DBM and DBC | Assistant Engineer, -4, PWD. M-211, Delhi | 0.55 | Nov. 15, 2010 |
| 278. | Study of Job Formula for Resrurfacing of Surajpur Chowk Post to Dadri Railway Line | Senior Manager (V), GNIDA, G. Noida | 0.83 | Nov. 29, 2010 |
| 279. | Design of Job Formula Bulandshahr Jhajjar Road | Executive Erngineer, C.D.-2, PWD, Bulandshahr, U.P. | 0.55 | Dec. 13, 2010 |
| 280. | Design of Job Formulae for Strengthening of a Portion of SH-2 | Ex. Engineer, CD-2, PWD, Hamirpur | 0.77 | Dec. 13, 2010 |
| 281. | Design of Job Mix 60 m Wide Road Delta Rotary to 130 m Wide Road around Commercial Sector, G. Noida | Senior Manager-Incharge GNIDA, Chitvan Estate, G. Noida | 0.55 | May 20, 2011 |
| 282. | Improvement/Modification of Various Roads under PWD Zone M-2 Quality Audit | Executive Engineer, PWD Division M-211, 2nd Nizamuddin Bridge, Delhi | 3.85 | May 23, 2011 |
| 283. | Design of Job Formula for Resurfacing of Runway for Bamrauli Air Force Station | G.E.(AF) Bamrauli, Allahabad | 2.54 | June 3, 2011 |
| 284. | Testing for Density, Thickness & Bitumen Content of Bituminous Road | Executive Engineer, NH Div.- PWD, Haldwani (Nainital) | 1.71 | June 3, 2011 |
| 285. | Design of Job Formula M-15 Bridge Package 8Cc, Motihari | Asstt. Engineer, RSVY Project Sub-Div., CPWD, Motihari | 0.28 | June 13, 2011 |
| 286. | Design of Job Formula 25 mm SDBC, PWD, NH Div., Jhansi | Executive Engineer, NH Division, PWD, Jhansi | 0.28 | June 13, 2011 |
| 287. | Design of Job Formula for Construction of Byepass (NH-24 - SH 78 to 49 District Moradabad) | Executive Engineer, Provincial Division, PWD, Moradabad (U.P.) | 1.10 | June 22, 2011 |
| 288. | Design of Job Formula SDBC Layer NH Div. PWD Haldwani | Executive Engineer NH Div. PWD Haldwani (U K) | 0.28 | August 8, 2011 |
| 289. | Design of Job Formula BM, SDBC Layer Moradabad Tanda Dariyal Road | Executive Engineer, Provincial Division, PWD, Moradabad (U.P.) | 0.55 | August 8, 2011 |
| 290. | Proof Checking of Tender for Construction of 75 m Wide FNG Road from Section 118 through Embankment | Er. S.K. Gupta, Project Engineer, CD-IV, NOIDA | 2.63 | August 23, 2011 |
| 291. | Vetting of Pavement Design for Road Construction, Doon Univ., Dehradun | Project Engineer, UPRNN, Dehradun | 1.10 | February 6, 2012 |
| 292. | Design of Overlays & Profile Correction for Strengthening Road No. 57 | Executive Engineer, PWD M-211 (NCTD), 2nd Nizamuddin Bridge, Delhi | 7.06 | February 9, 2012 |
| 293. | Quality Audit and Testing Providing and Laying Mastic ROB Road No.89 | Executive Engineer, PWD (CRMD) M-111, R.R. Lines, Ring Road, Delhi | 1.13 | February 17, 2012 |
| 294. | Quality Audit and Testing of Materials for Strengthening and resurfacing of Five Roads of PWD Maintenance Zone M-3 New Delhi | Executive Engineer, PWD M-311 (Old) / M-112 (New) Govt. NCTD, Delhi Road No. 43, Sainik Vihar, New Delhi | 11.53 | March 19, 2012 |
| 295. | Benkelman beam Deflection and Traffic Volume Studies for Strengthening of Various Roads, Delhi | Executive Engineer, PWD, CRMD M-111 (NCTD), R.R. Lane, Ring Road, Delhi | 32.01 | March 19, 2012 |
| 296. | Benkelman beam Deflection and Traffic Volume Studies for Strengthening of Various Roads, Delhi | Executive Engineer, PWD CRM M-113, Brar Square, New Delhi | 16.93 | March 21, 2012 |
| 297. | Benkelman beam Deflection and Traffic Volume Study for Strengthening of Roads M-112, New Delhi | Executive Engineer, PWD Division M-112 Road No. 43, Sainik Vihar, Delhi | 16.16 | April 3, 2012 |
| 298. | Design of Overlay for Strengthening of Roads in Delhi | A.E., P.W.D. M-2131, Nandanpuri, Delhi | 4.21 | April 9, 2012 |
| 299. | Benkelman Beam Deflection and Traffic Studies for Strengthening of Roads | Executive Engineer, PWD, CRM-113, Brar Square, Delhi | 14.49 | May 1, 2012 |
| 300. | Benkelman beam Deflection and Traffic Volume Studies for Strengthening of MCD Roads under PWD Delhi M-212 Division | Executive Engineer, PWD, CRM Division M-212, New Delhi | 19.44 | May 7, 2012 |
| 301. | Benkelman Beam Deflection and Traffic Volume for Strengthening CV Raman of Road in Delhi | Executive Engineer, PWD M-412, Ishwar Nagar, Kalka More, Delhi | 1.80 | May 7, 2012 |
| 302. | Benkalman Beam Deflection & Traffic Volume Studies for Strengthening of Various Roads | Executive Engineer, PWD Div. M-211 (DS), 2nd Nizamuddin Bridge, Delhi | 23.76 | May 14, 2012 |
| 303. | Field Studies on Bituminous BM, WMM and GSB Layer on Sisaya - Palia, P\_uranpur State Highway Road | Executive Engineer, Construction Division, PWEDF, Kheri (U.P.) | 4.21 | May 30, 2012 |
| 304. | Benkelman Beam Deflection and Profile Correction Studies on MCD Roads under Division M-12 | Executive Engineer, PWD, CRM Division M-212, Delhi | 11.55 | June 4, 2012 |

**Annexure –IV**

## PRIZES/MEDALS/AWARDS/DISTINCTIONS

|  |  |  |  |
| --- | --- | --- | --- |
| **S.No.** | **Title** | **Name of Institution** | **Year** |
| 1. | Institute Star Performer | IIT Roorkee | 2001-02  2002-03  2003-04  2004-05 |
| 2. | Certificate of Merit | Institution of Engineers (India) | 2004 |
| 3. | IRC Pt.Jawaharlal Nehru  Birth centenary Award 2002 | Indian Roads Congress  New Delhi | 2004 |
| 4. | Career Award | AICTE, New Delhi | 2001-04 |
| 5. | Khosla Research Commendation Award | University of Roorkee | 2001 |
| 6. | Khosla Research Commendation Award | University of Roorkee | 2000 |
| 7. | The Nawab Zain Yar Jung Bahadur Memorial Medal | Institution of Engineers (India) | 2000,  2007 |
| 8. | Musaddilal Memorial Award | Institution of Engineers (India)  (U.P. State Centre) | 1992 |
| 9. | Best Technical paper Award | Institution of Engineers (India)  (U.P. State Centre) | 1996 |
| 10. | CPWD award for Best Paper on Maintenance | Indian Roads Congress, New Delhi | 2006 |
| 11. | Commendation Certificate | Indian Roads Congress, New Delhi | 2010 |

**POSITION OF RESPONSIBILITY**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Honorary Secretary | Indian Society for Construction  Materials & Structures | 2002-04 |
|  | Joint Hon. Secretary | Institute of Urban Transport (India), Roorkee Regional Chapter | 2003 |
|  | Council Member | Indian Roads Congress,  New Delhi. | 2001-02 |
|  | Joint Secretary | Institute of Town Planners (India) | 2001-02 |
|  | Treasurer | ITPI (India) Roorkee Regional Chapter | 2002-03 |
|  | Member, Senate | University of Roorkee | 2000-01 |
|  | Member Executive Committee | Thomason Alumni Association, I.I.T., Roorkee | 2002-03 |
|  | Member, Transport Planning  Committee | Indian Roads Congress,  New Delhi | 2001-03 |
|  | Member Technical Committee | STEM 04 | 2003 |
|  | Council Member | Indian Roads Congress, New Delhi | 2004-05 |
|  | Member | PIARC | 2004-05 |
|  | Member, Transport Planning Committee | IRC New Delhi | 2003-06 |
|  | Corresponding Member, Traffic Engineering Committee | IRC New Delhi | 2003-06 |
|  | Member, HRB, IMRA Committee | IRC, New Delhi | 2006-08 |
|  | Corresponding Member, Transport Planning, traffic Engg. And Road Safety Committee | IRC , New Delhi | 2006-08 |
|  | Vice Chairman | ITPI Uttranchal Régional Chapter , Dehradun | 2005-06 |
|  | Joint Secretary | Thomsan Allumini Association, IIT Roorkee | 2006 -07 |
|  | Deputy Chief Advisor | Hobbies Club, IITRoorkee | 2006-2009 |
|  | Member Executive Committee | Indian Society for Construction  Materials & Structures | 2006 -07 |
| 20. | Member, Transport Planning, traffic Engg. And Road Safety Committee | IRC , New Delhi | 2009-11 |
| 21. | Member, HRB, IMRA Committee | IRC, New Delhi | 2009-11 |
| 22. | Coordinator,Transportation Engineering Group | Deptt. Of Civil Engg.,IIT Roorkee | 2008-10 |
| 23. | Convener,Development Planning & Web Management Committee | Deptt. Of Civil Engg.,IIT Roorkee | 2010-12 |
| 24. | Head,CTRANS | CTRANS | 1.1.2012 |

**INTERNATIONAL ACTIVITY**

* Attended CODATU, Bucharest
* Visited Technical University of Civil Engineering, Bucharest and Delivered Lectures on

- Pavement Management System Using HDM-4.

- The Beginning of Civil Engineering Education in India.

* Visited National Road Research Laboratory of Romania (CHESTRIN) & Presented Lecture on

- Application of HDM-4 for Pavement Management System for Indian National Highway Network.

* Visited Civil Engg. Deptt., Ovidius University, CONSTANTA & delivered Lecture on

- The Beginning of Civil Engineering Education in India.

* Member, Road / Vehicle Interaction Committee (ST4-Committee 4.2), PIARC
* Attended Training Program on “International Vehicle Emission Modelling” Organised by University of California, Riverside, USA.
* One Article in the Book “Les transports dans Les villes du Sud – La recherche de solutions durables“, Karthala – Codatu.
* Attended CODATU, New Delhi and Presented a paper on “A Stated Preference Approach to Mode Choice Modelling in Delhi“.
* Attended PIARC 2007 at Paris,France
* Visited Sapporo for ICPT 2008
* Attended CODATU 2008 at Ho Chi Minh city
* Attende TRB Women’s Conference at Irvine,USA
* Attended 7th ICPT at Bangkok,Thailand

##### Annexure –V

**MEMBERSHIP/ FELLOWSHIP IN PROFESSIONAL SOCIETIES**

i) Life Member, Indian Roads Congress

ii) Life Member, Indian Society for Technical Education

iii) Member, Institution of Engineers, India

iv) Life Member, Institute of Urban Transport (IUT)

v) Fellow Member, Institute of Town Planners, India

1. Life member, Indian Society for Continuing Engineering Education, University of Roorkee, Roorkee.
2. Life Member, Indian Society of Construction Material & Structures. (ISCMS)

**Annexure - VI**

## LABORATORY EXPERIENCE

**(i) Setting up Teaching and Research Laboratories**

1. Traffic Engineering Laboratory
2. Renovation of Pavement Test Hall

**(ii) Conducting Laboratory Courses**

1. Highway Material Testing
2. Traffic Engg. Field Studies
3. CAD of Transportation System

**(iii) Using Different Types of Instruments, Systems, Software Package etc.**

1. Portable Weigh Bridge
2. Noise Level Meter & Analyzer
3. ARCINFO
4. BLOGIT for Travel Demand Modelling
5. WINDOWS, MSOFFICE
6. Radar speed Gun Meter
7. Video Film on Traffic Analysis
8. Load-man (Portable Falling Weight Deflectometer)
9. RSPM High Volume Sampler
10. Traffic Signal Model Operation

##### Annexure - VII

LIST OF COURSES DEVELOPED

#### Sl.No. Course Taught Level

#### Full Course

1. Transportation Planning PG

2. Highway Geometric Design PG

3. Traffic Engg. and Field Studies PG

4. Traffic Flow Theory and Management PG

5. Traffic Flow Theory PG

6. CAD of Transportation System \* PG

7. Modelling, Analysis & Simulation \* PG

8. Neural Network Expert System & PG

Fuzzy Set Theory

9. Advanced Traffic Engg. UG

10. Transportation Modelling & Simulation PG

11. Advanced Highway Engineering UG

#### Only Tutorial

1. Modelling, Analysis an Simulation PG

2. Construction Planning and Management UG

3. Computer Graphics UG

#### Only Laboratory

1. Transportation Engineering II UG

2. Traffic Engg. and Control UG

\* Interdisciplinary Courses

**SIGNIFICANT CONTRIBUTION / INNOVATION THROUGH TEACHING, RESEARCH, DESIGN OR ANY OTHER INNOVATIVE / CREATIVE ACTIVITY**

Dr. M. Parida’s achievements are a unique blend of academic excellence and professional expertise in the area of “Transport Infrastructure” and he has shown his ability to shape ideas to meaningful projects. Dr. Parida has made extensive contribution to the studies of Pavement Management System, Highway safety, EIA of Highway Projects, Traffic Management. The contributions made by Dr. Parida in the above areas have been useful and he has provided his expertise for the first noise barrier project in India.

Recently he has completed a DST Project “Design and Analysis of Urban Multimodal Mass Transportation System”. He was also a co-cordinator in a AICTE Nationally Coordinated Project “Urban Transport Environment Interaction” and another NCP Project on “Road Traffic Safety”. In this project five educational institutes executed a research project in co-ordinated manner.

Dr. Parida has been AICTE career award teacher during 2001-2004. He was given research finding to carryout research on “Modelling of Urban Traffic Noise”. This research has been useful for designing noise barrier at Britannia Chowk in Delhi. Another noise barrier design for Raja Garden Flyover is also going on. He has rendered advice as an expert for the design of noise barrier for Metro System in Delhi and Kolkata.

Dr. Parida has supervised 71 M.Tech./M.E. Theses and 8 Ph.D. Thesis. 10 M.Tech Theses, 6 Ph.D. Theses are currently in progress under his supervision. Two of his articles have been published in books and he has published more than 280 papers in various Indian Journals and Proceedings of International Conferences. He has completed 14 Sponsored Research Projects Costing (Rs. 19 million) and over 300 Major Consultancy Projects Costing (Rs. 50 million).

He has carried out research activities in innovative areas of Transportation Engineering. In recognition of his contribution, he has been conferred with distinguished Award, Medals & Prizes on his research contributions. Some of the prestigious awards are, IRC Pt. Jawahar Lal Nehru Birth Centenary Award – 2002, Nawab Zain Yar Jung Bahadur Memorial Medal by The Institution of Engineers (India)-2000, University of Roorkee, Khosla Research Commendation Award-2000, Musaddilal Memorial Award, Best Technical Paper Award by Institution of Engineers (India), U.P. State Centre, Lucknow.

\*\*\*\*\*\*