

## List of Selected Studies undertaken during the period 1985 - 2004

SL No.	Title of the Study
1	Preparation of modified design of superstructure – of viaduct span – construction of ROB at Kuttipuram on NH 17 in Kerala State
2	Survey, investigation and construction of tunnel to provide access to Durgah area of Ajmer in Rajasthan State.
3	Preparation of alignment plan and tender specification for one tunnel 300M long on Ajmer – Puskar Road in Rajasthan State
4	Proof consultancy for construction of Varapuzha bridge on NH 17 in Kerala State
5	European Economic Community (EEC) funded Agricultural Market Projects in Kerala – preparation of road network, parking arrangement and pavement designs for six agricultural markets in Kerala State
6	Improvement of transportation facilities for tourism promotion in Kerala State
7	Coastal area development plan for Thiruvananthapuram district – Prepared sectoral report on :Development of road network in Thiruvananthapuram coastal region
8	Assessment of energy consumption in Transport Sector and its pollution effects on the environment in cities of Kerala – A case study of Thiruvananthapuram
9	EIA of POL Terminal near Kollam (for HPC) in Kerala State
10	Environment Impact Study of CBD area – A case study of East Fort in Thiruvananthapuram city
11	A study of environmental impact pollution and its control
12	Development of environmental guidelines for rural road transportation in hilly areas in Himalayan region
13	Feasibility study of constructing a fishing harbour at Mahe in Union Territory of Pondicherry
14	Performance Evaluation of State Water Transport Department in Kerala State
15	Improvement of Allahabad to Dorighat road and Sonauli to Gorakhpur road in Uttar Pradesh State to NH standards – A project financed by World Bank
16	Study of drunken drivers in Thiruvananthapuram city
17	Master Plan for all the districts of Andhra Pradesh State
18	Preparation of standard designs and drawings for typical intersections on National Highways
19	Exclusive pedestrian facilities for Rafi Marg
20	Study of traffic circulation around Strand road area alongside Fort Trust Land
21	Feasibility Studies of Alappuzha bypass on NH 47 in Kerala State
22	Feasibility Studies of Kozhikode bypass (Phase I) on NH 7 in Kerala State
23	Feasibility Studies of Kollam bypass (Phase I) on NH 47 in Kerala State
24	Economic feasibility study of four laning and strengthening of NH 47 between Chalakudy & Cherthala in Kerala State – An ADB aided project
25	Preparation of Detailed project report (DPR) for a stretch of NH 47 between Aluva and Cherthala in Kerala State
26	Preparation of DPR for a stretch of NH 17 between KM 30/140 and KM 184/100 at Bijapur in Karnataka State – A project financed by World Bank project
27	Economic feasibility study and preparation of DPR for improving Kozhikode-Palakkad road (SH 24) connecting NH 17 and NH 47 to NH standard in Kerala State
28	Preparation of Detailed Project Report for Mandovi bridge in Goa State
29	Preparation of Detailed Project Report for Proposed alignment of Wazirabad bridge,

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	design of approaches etc.
30	Survey, investigation and preparation of DPR for construction of new bridge across Sharavathi river in NH 17 in Karnataka State
31	A study on operation of Harijan Motor co-operative society in Kerala
32	Advantages of power steering
33	Comprehensive traffic and transportation planning for Dimapur in Nagaland State
34	Comprehensive traffic and transportation planning for Lucknow in Uttar Pradesh State
35	Comprehensive traffic and transportation planning for Agra in Uttar Pradesh State
36	Comprehensive traffic and transportation planning for Allahabad in Uttar Pradesh State
37	Comprehensive traffic and transportation planning for Varanasi in Uttar Pradesh State
38	Comprehensive traffic and transportation planning for Bareilly in Uttar Pradesh State
39	Comprehensive traffic and transportation planning for Gaziabad in Uttar Pradesh State
40	Comprehensive traffic and transportation planning for Meerut in Uttar Pradesh State
41	Comprehensive traffic and transportation planning for Kanpur in Uttar Pradesh State
42	Comprehensive traffic and transportation planning for Gorakhpur in Uttar Pradesh State
43	Comprehensive traffic and transportation planning for Thrissur in Kerala State
44	Parking and circulation plan at Sabarimala in Kerala State
45	Feasibility Studies of Kottayam bypass on M C road in Kerala State
46	Land use plan for Lakshadweep islands
47	Road development plan for coastal areas in Thiruvananthapuram district in Kerala State
48	Road development plan for hilly areas in Thiruvananthapuram district in Kerala State
49	Environmental appraisal of constructing Varapuzha bridge in Kerala State
50	Preparation of Corporate Plan for Kerala Shipping and Inland Navigation Corporation in Kerala State
51	Assessment of transport growth in Asia and its effects on energy usage, environmental and traffic congestion – a case study on Varanasi in UP State (Sponsored by IIEC, Washington DC)
52	Feasibility Studies of Link road (NH 47A) connecting Kochi Port with NH 47 near Kochi in Kerala State
53	Integrated development plan for Kasaragode urban area in Kerala State
54	Transportation facilitates for tourism promotion
55	Traffic Engineering and Management Studies for Payyannoor in Kerala State
56	Intersection Improvements at Chinnakkada in Kollam town in Kerala State
57	Traffic operations and bus route plan for Palakkad town in Kerala State
58	Preparation of report on 'High Speed Tram System (HSTS)' for Thiruvananthapuram city in Kerala State
59	Feasibility Studies of Combined bypass for Thiruvananthapuram and Neyyattinkara (Phase I) in NH 47 in Kerala State
60	Feasibility Studies of Coastal highway between Ponnani and Vengalam in Kerala State
61	Feasibility Studies of Kollam Bypass (Phase II) on NH 47 in Kerala State
62	Strategic options and techno-economic feasibility study for selected R & B roads in Andhra Pradesh State (to seek World Bank Aid)
63	Preparation of DPR for combined bypass for Thiruvananthapuram and Neyyattinkara in NH 47 in Kerala State
64	EIA of Wayanad Ghat road project in Kerala State
65	Study of behavior of motor vehicle drivers in Kerala State

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66	Identification and improvement of accident prone stretches in Kottayam-Kumili road in Kerala
67	Comprehensive traffic and transportation planning for Guruvayoor in Kerala State
68	Consultancy services for land acquisition for the development of WCC as National Waterway 3 (NW 3) in Kerala State
69	Preparation of detailed drawings of new alignment connecting NH 17 at Km 115/000 and Naval Academy, Ezhimala at Payyannoor in Kerala State
70	Traffic Engineering and Management Studies for Neyyattinkara in Kerala State
71	Traffic Engineering and Management Studies for Pala in Kerala State
72	Traffic Engineering and Management Studies for Varkala in Kerala State
73	Traffic Engineering and Management Studies for Kombazha region in Kerala State
74	Traffic Engineering and Management Studies for Mala block area in Kerala State
75	Eight intersections in Bangalore city in Karnataka State
76	Intersection Improvements at Koppam intersection in Kerala State
77	Intersections in Imphal city in Manipur Union Territory
78	Flyover proposals for the five critical intersections in Chennai city in Tamil Nadu
79	Intersection Improvements of Clover leaf ITO intersection
80	Feasibility Studies of Thalasserry - Mahe bypass in NH 17 in Kerala State
81	Economic feasibility study for realignment in Ochira section on NH 47 in Kerala State
82	Economic feasibility study for realignment in Kayamkulam section on NH 47 in Kerala State
83	Feasibility study and preparation of DPR for Delhi – NOIDA link bridge (Under private finance schemes in collaboration with M/s KAMPSAX INTERNATIONAL, DENMARK)
84	Transport infrastructure development for Thiruvananthapuram capital region
85	Transport and infrastructure requirement for tourism promotion in Guruvayoor in Kerala State
86	Evaluation, management and construction supervision for constructing nineteen major bridges on Kohalpur – Mahakali National Highway in Nepal
87	Construction supervision and quality control for the construction of run way, taxi track and apron for new international airport at Nedumbasserry, Kochi in Kerala State
88	Economic Feasibility Study of strengthening and widening between km 444/000 and km.462/300 on NH 17 in Kerala State
89	Study of Cycle Transportation in Thiruvananthapuram City
90	Preparation of traffic dispersal scheme with an additional bridge on Ghazipur drains and Hindon cut canal near Vasundhara Enclave
91	Parking demand characteristics in market area – a case study of Chalai Bazaar in Thiruvananthapuram city
92	Role of autorikshaws in medium sized cities in Kerala – a case study of Thiruvananthapuram
93	Feasibility Studies of Parallel road to SA road in Kochi city in Kerala State
94	Preparation of realignment plan in connection with the approach road to Shyamagin temple near ISBT
95	Feasibility of extending NW 3 up to Kasaragode in the north and Kovalam in the south in Kerala State
96	Study of water transport routes
97	Intersection Improvements at Kazhakkootam, Kuzhivila and Mukkola intersections on

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	Thiruvananthapuram bypass in Kerala State
98	Study of Hill Highways – Idukki and Wayanad Districts
100	Improvement proposal for Chakkai junction on Thiruvananthapuram bypass for NH 47 in Kerala State
101	Improvement proposal for Camp Bazaar area in Kannur town in Kerala State
102	Improvement proposal for Selected intersections in Koothuparambu town in Kerala State
103	Feasibility Studies of Kozhikode bypass (Phase II) for NH 17 in Kerala State
104	Feasibility Studies of Kollam bypass (Phase III & IV) on NH 47 in Kerala State
105	Economic feasibility study for realignment in Neeleshwar section on NH 17 in Kerala State
106	Development of road network in and around Mormugao Port in Goa State
107	Block-level road development project funded by NABARD in Kerala State
108	Study on MDR/ODR Thiruvananthapuram District
109	Energy study for Thiruvananthapuram district in Kerala State
110	Intersection Improvements at Kallumthazham on proposed bypass for Kollam town in NH 47 in Kerala State
111	Intersection Improvements at Ayathil on proposed bypass for Kollam town in NH 47 in Kerala State
112	Intersection Improvements at Ettumanoor town and Kottayam Medical College junction in Kerala State
113	Intersection Improvements at Vembayam and Venjaramoodu on MC road in Kerala State
114	Moonnumukku Junction near Attingal on NH 47 in Kerala State
115	Intersection Improvements at Kayamkulam and Nangyarkulangara junctions on NH 47 in Kerala State
116	Improvement proposal for five major intersections in Thrissur town in Kerala State
117	Improvement proposal for Kallambalam junction on NH 47 in Kerala State
118	Improvement proposal for Vellar junction on Thiruvananthapuram bypass for NH 47 in Kerala State
119	Improvement proposal for Nalanchira and Mannanthala junctions on MC road in Kerala State
120	Planning and design of grade separated pedestrian facilities at Statue, Thampanoor, Medical College and Cotton Hill School road in Thiruvananthapuram city
121	Improvement plan for Civil Station junction in Kannur town
122	Planning & design of grade separated pedestrian facilities at Statue, Thampanoor, Medical College & Cotton Hill School road in Thiruvananthapuram city
123	Techno-economic feasibility of introducing HSTS between Ernakulam – Aluva Section in Kerala State
124	Feasibility of two-tier road system for Kozhikode city in Kerala State
125	Study on coastal roads – Thrissur, Thiruvananthapuram and Malappuram Districts
126	Planning and design of Traffic Sign Boards on Hill Roads – A case Study of Thiruvananthapuram – Ponmudi Road
127	Feasibility study for establishing a direct rail link between Kozhikode airport and Shoranur – Mangalore railway line in Kerala
128	Influence of socio-economic characteristics of leisure travels demand
129	Planting of boundary stones along NW-3 in Kerala
130	Study on MDR/ODR Kollam District

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131	Accident Analysis and improvement of accident prone locations on selected Bus/truck routes
132	Traffic Engineering and Management Studies for Thrissur town in Kerala State
133	Improvement plan for Peroorkada junction in Thiruvananthapuram city in Kerala State
134	Improvement proposal for Legislative Complex road in Thiruvananthapuram city in Kerala State
135	Improvement proposal for ROB junction at Thalasserry in Kerala State
136	Improvement proposal for Thiruvallam and Vazhamuttam junctions on Thiruvananthapuram bypass for NH 47 in Kerala State
137	Parking and circulation plan for Payyambalam beach area in Kerala State
138	Operation characteristics of stage carriages in Kerala
139	Preparation of digital base map and road network planning for New Mangalore Port in Karnataka State
140	Environmental aspects of transport development
141	Feasibility of operating house boats in Thiruvananthapuram-Kollam section of West Coast Canal in Kerala State
142	Preparation of Detailed project report for development of Kuttanad-Pamba backwaters in Kerala State
143	Transportation of Hazardous Materials by Road
144	Guidelines for Accident Reporting System
145	Study on Village roads and Panchayath roads
146	Bus route network planning for a District – A Case study of Kozhikode
147	Identification of accident prone locations on State Highways in Kerala
148	Manpower consultancy for supervision and EMP for capital dredging in National Waterway No.3
149	Improvement plan for Pattom junction in Thiruvananthapuram city in Kerala State
150	Improvement plan for Plamoodu junction in Thiruvananthapuram city in Kerala State
151	Improvement plan for LMS junction in Thiruvananthapuram city in Kerala State
152	Improvement plan for PMG junction in Thiruvananthapuram city in Kerala State
153	Improvement plan for Thampanoor junction in Thiruvananthapuram city in Kerala State
154	Techno-economic and financial feasibility study and preparation of DPR for developing Khanna-Nawanshahar road including construction of a bridge and a ROB in Punjab State
155	Techno-economic and financial feasibility study and preparation of DPR for four laning Ludhiyana-Moga Highway in Punjab State
156	Road Development Policy, Kerala, Working Papers, PWD
157	Proposal for Technical assistance for urban infrastructure projects from World Bank and Government of Netherlands (Finance Department)
158	Preparation of infrastructure development needs in Kerala for Kerala Infrastructure Investments Fund Board, Government of Kerala
159	District Transport Infrastructure Plan – 14 Districts in Kerala
160	Comprehensive road signage scheme for tourist centers in Kerala State
161	Kerala State Public Canals and Public Ferries Act and Rules
162	Traffic improvement plan for Kozhikode City
163	Traffic studies for Paravoor town in Kerala State
164	Preparation of pre-feasibility study document for construction of an ROB in lieu of

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	existing level crossing No.9/B on Vadodara – Savli road
165	Emerging trends in road construction materials
166	Preparation of pre-feasibility study document for construction of an ROB in lieu of existing underpass at Chhayapuri near Vadodara
167	Economic feasibility study for improving the Alappuzha-Thanneermukkom-Kumarakom- Kottayam road
168	Preparation of Regional Transport Plan for Kollam District
169	Preparation of case studies of public works undertaken in Kerala
170	Project management and installation supervision of tourism sign boards in Kerala State
171	Comprehensive tourism signage scheme for backwaters from Kollam to Kochi in Kerala State
172	Accident analysis for selected bus and truck route
173	Preparation of Detailed project report for four-laning of Beach road in Kozhikode city
174	Traffic operation plan for selected six towns in Kerala <ul style="list-style-type: none"> <li>▪ Kollam</li> <li>▪ Alappuzha</li> <li>▪ Pathanamthitta</li> <li>▪ Kottayam</li> <li>▪ Thrissur</li> <li>▪ Palakkad</li> </ul>
175	Value of travel Time of Bus Passengers in Kerala
176	Feasibility Studies of Adequate road connectivity projects for Mumbai and JNPT Port in Maharashtra State
177	Preparation of Detailed Project Report for a four lane road from Kotimatha to Cherthala (30 kms.) in Kerala
178	Surveying and Mapping of Vishakapatnam Port Area
179	Four-laning of MC Road between Kesavadasapuram and Mannanthala junction in Thiruvananthapuram in Kerala State
180	Development of Bridge Maintenance Management System for Kerala
181	Master Plan for Rural Roads in Kerala – 14 Districts
182	Desom Level Rural Road Connectivity- case study of a Panchayat
183	Study on incidence of motor vehicles plying with outside Kerala registration in Kerala State
184	Study on the environment impact of capital dredging in National Waterway No.3
185	Preparation of road safety education materials
186	Parking and circulation plan for Secretariat Complex in Thiruvananthapuram city in Kerala State
187	Preparation of an approach report for Tourism Masterplan in Kerala
188	Road and transport development plan for Kasaragod town
189	Traffic and transportation development plan for Kannur town
190	Transport Development Plan for Kollam District
191	Infrastructure Development needs for Backwater Tourism in Kerala
192	Study on feasibility of Houseboat operation in the backwater of North Kerala
193	Improvement of Varkala-Thiruvananthapuram section of TS Canal for operating boat services

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194	Traffic Operation Plan for medium sized towns in Kerala <ul style="list-style-type: none"> <li>▪ Nedumangad</li> <li>▪ Cherthala</li> <li>▪ Punalur</li> <li>▪ Thrippunithura</li> <li>▪ Thiruvalla</li> <li>▪ Changanacherry</li> <li>▪ Guruvayoor</li> </ul>
195	Proposed parameters of traffic flow analysis at intersections – A case study of Kottayam town
196	Study on prioritization of Alternative pavement options for Kerala State
197	Impact of rural road development in the socio-economic upliftment of rural masses
198	Prioritization of road transport development scheme for medium sized towns in Kerala
199	Two-wheeler accidents- probing the unprecedented increase in Kerala state
200	Study on routing of Public Transport buses in Kochi City
201	Vehicle replacement norms for Kerala
202	Private Investments in road projects- a need to build Kerala Model
203	Potential for Automation in Road Transport Operations – Focus on functions of Motor Vehicle Department
204	Procession and Public Loss – Estimation of economic cost due to diversion of traffic in Thiruvananthapuram City
205	Impact of road development on Road Safety-A case Study of Aluva-Cherthala section of NH47 in Kerala
206	Road accident analysis on National Highways in Kerala- a case study of Thiruvananthapuram district
207	Identification and improvement of accident prone locations in some selected medium class towns of Kerala
208	Hand book on road accident data
209	Development of road safety education materials
210	Transportation needs of senior citizens
211	Preparation of FS/DPR for strengthening and widening of NH 5 from Ichapuram (KM 230/00) to Kurdha (KM 288/00) in the State of Orissa
212	Preparation of FS/DPR for strengthening and widening of NH 5 from Gundugolanu (KM 80/0) to Rajahmundry (KM 200/0) in Andhra Pradesh
213	Preparation of alignment plan for ROB's at level crossings 49 and 50 in Palakkad
214	Preparation of detailed proposal for improving the accessibility to KINFRA park at Kakkanad in Kerala State
215	Additional road signage schemes for tourist centers in Kerala State
216	Traffic management plan for small and medium sized towns
217	Prioritization of road transport development scheme for medium sized towns in Kerala
218	Study on routing of Public Transport buses in Kochi City
219	Digitization of maps for Visakapatnam Port Trust, Visakhapatnam Port Trust
220	Performance evaluation of KSRTC vs Parallel services- a case study of Neyyattinkara Taluk
221	Safety problems during road construction
222	Energy savings due to road improvements

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223	Preparation of project report for connectivity to tourist centers in Kerala State, Department of Tourism, Govt of Kerala
224	Economics of passenger boat operations in inland waterways
225	Development of West Coast Canal from Mahe to Vallapattanam Navigation Route- Environmental Impact Assessment Study
226	Pedestrian safety for major events
227	Identification and improvement of accident prone locations in some selected medium class towns
228	After effect safety analysis of the improvement of the stretch of 4-lane road between Aluva-Sherthalai section of NH 47
229	Road safety auditing- formulation of general guidelines and code of practices
230	A study on infrastructure facilities available at driving schools in Kerala
231	Preparation of Traffic Operation Plan, Developments of Roads, Development and improvements of Gandhi road-CWRDM road and Madhavan Nair road, etc., Kozhikode Corporation
232	Revival Plan for the Palayam subway in Kozhikode city, Kozhikode Corporation
233	EIA- of new road leading to Pamba in Sabarimala region, Roads & Bridges PWD, Govt. of Kerala
234	Traffic Operation Plan for selected towns- Implementation of Traffic Reforms in Kottayam town
235	Parking Management Plan for cities- A case study of Thiruvananthapuram city
236	Pre-feasibility Study for Development of Outer Ring Road for Thiruvananthapuram Capital Region
237	Kerala State Transport Project –Traffic studies for 3rd year Maintenance package, PIU, (World Bank project) PWD, Govt. of Kerala
238	Integrated Development of Rural Roads at District Level- A case study of Palakkad district
239	Road Development with Private Participation- Evolving norms
240	Optimisation of Bus Route Network and Study of Bus Depots and Terminal Facilities in Thiruvananthapuram Capital City Region
241	Traffic improvement study for Kumali town in Idukki district, Public Works Department, (R&B) Govt. of Kerala
242	Computerization and modernization of Motor Vehicle Check Posts in Kerala, M.V. Dept., Government of Kerala
243	Environmental Improvement Schemes for CBD Areas
244	Employment Potentials in Waterway Development in Kerala
245	Indo-Swedish Collaborative Project: Integrated Water Resources Management for Kerala Region- Feasibility Study for IWT Development
246	Establishing Road Safety Auditing System for Kerala- PART II- RSA of Junctions
247	Identification and improvement of Accident Prone Locations
248	Integrated Development of School Safety Zones in Thiruvananthapuram city
249	Refresher Training Programme for Heavy Vehicle Drivers in Unorganized Sector in Kerala, Ministry of Road Transport and Highways, Govt. of India
250	Coastal area development plan for Thiruvananthapuram district – Prepared sectoral report on : Development of Inland Waterways in coastal region of Thiruvananthapuram