



Compendium of PPP Projects in State Highways

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Secretariat for Infrastructure

Preface

The Eleventh Five Year Plan recognises the key role of infrastructure in accelerating the momentum of economic development. Accordingly, an investment of Rs. 20,56,150 crore was projected for the Eleventh Plan, which was more than twice the investment during the Tenth Plan. This ambitious target for investment in infrastructure would be constrained by the limitations of budgetary allocations, especially in view of the renewed emphasis on social sectors. As a result, it was considered necessary to enhance the role of private investment in funding infrastructure projects. In financially viable infrastructure projects such as highways, PPPs are increasingly becoming the preferred mode of project implementation.

While significant progress has been made in initiating an expanded National Highway Development Programme (NHDP) in which about 85 per cent of the programme is proposed to be undertaken through Public Private Partnership (PPP), there is a growing realization that similar State Highways Development Programmes would be critical for accelerating the growth of the states. The Eleventh Five Year Plan emphasizes the PPP approach for meeting the large financing

requirements of state highways. Several state governments such as Gujarat, Madhya Pradesh, Rajasthan, Andhra Pradesh, Karnataka and Maharashtra have taken significant initiatives to augment their state highways through PPP.

Government of India has been supporting the efforts of state governments by providing financial assistance to PPP projects and by publishing standard documents based on best practices. A Model Concession Agreement for State Highways, published by the Planning Commission, has been successfully adopted by many states. Model bidding documents such as Model Request for Qualification (RFQ) and Model Request for Proposal (RFP) have also been standardised and published with a view to ensuring a transparent and fair selection process. Model bidding documents for selection of technical, financial and legal consultants have also been published to enable the selection of experienced and qualified consulting firms for structuring PPP projects.

Central assistance upto 20 per cent of the project cost is available under the VGF scheme for financing state sector road projects. In addition, Government of India has set up the India Infrastructure Finance Company Ltd.

(IIFCL) for providing long-term debt of upto 20 per cent of the capital costs of the project.

Information has been compiled on the status of PPP projects in the State Highways. This is divided in five categories viz. completed projects, projects under implementation, projects in the bid process, projects where feasibility study has commenced and projects in the pipeline for 2011-12. This information is being published with a view to documenting the present status of PPP initiatives and for disseminating information aimed at further acceleration in the award of PPP concessions for development of State Highways.



(Gajendra Haldea)
Adviser to Deputy Chairman
Planning Commission
June 25, 2010

COMPENDIUM OF PPP PROJECTS IN STATE HIGHWAYS

Introduction

1. The Eleventh Five Year Plan document articulated the need for adequate, cost effective and quality infrastructure as a pre-requisite for sustaining the growth momentum since inadequate infrastructure has been recognised as a major constraint on India's growth potential.
2. Accordingly, the Eleventh Five Year Plan has set an ambitious target of increasing the total investment in infrastructure from about 5 per cent of GDP in the Tenth Five Year Plan to 9 per cent of GDP by the terminal year (2011-12) of the Eleventh Plan. In absolute terms, this implies an increase from Rs. 9,06,074 crore in the Tenth Plan to Rs. 20,54,205 crore during the Eleventh Plan.
3. Traditionally, infrastructure has been funded through public investment. However, in view of scarcity of budgetary resources and lack of capacity within the government to implement these ambitious programmes, the strategy of the government relies significantly on promoting investment through a combination of public investment and private participation.
4. The National Highways Development Programme (NHDP) covering a total length of 45,974 km with an investment of Rs. 2,20,000 crore upto 2012 is at different stages of planning and implementation. Out of 45,974 km envisaged under NHDP, the projects to be undertaken through PPP would cover 39,694 km. Upto April 2010, a total of 144 projects with an investment of Rs. 90,717 crore have been awarded for implementation through PPP concessions.
5. The Ministry of Road Transport & Highways (MORTH) has set a target of building 20 km of highways per day. In 2009-10, projects covering a length of 3,360 km of NHs were awarded. MORTH has kept a target for award of about 9,000 km in 2010-11.
6. Augmentation of State Highways is vital for the growth of the highway network across states. The total investment in state roads during the Tenth Plan period (2002-07) was Rs. 67,416 crore. This is projected to increase to Rs. 1,41,855 crore in the Eleventh Plan period (2007-12).
7. While significant progress has been made in initiating an expanded National Highway Development Programme (NHDP) in which about 85 per cent of the programme is proposed to be undertaken through Public Private Partnership (PPP), there is a growing realization that similar State Highways Development Programmes would be critical for accelerating growth of the states. The Eleventh Plan emphasizes the PPP approach for meeting the large financing requirements of state highways. Several state governments such as Gujarat,

Madhya Pradesh, Rajasthan, Andhra Pradesh, Karnataka and Maharashtra have taken significant initiatives to strengthen and upgrade the state highways through PPP.

Policy initiatives to promote private participation

8. The Central Government has been supporting the efforts of state governments by providing financial assistance for PPP projects and by publishing standard documents based on best practices. A Model Concession Agreement for State Highways has been published by the Planning Commission and has been successfully adopted by many states. Model bidding documents such as Model Request for Qualification (RFQ) and Model Request for Proposal (RFP) have also been standardised and published with a view to ensuring a transparent and fair selection process. Model bidding documents for selection of technical, financial and legal consultants have also been published with a view to enabling the selection of experienced and qualified consulting firms for structuring PPP projects.

9. Central assistance upto 20 per cent of the project cost is available under the VGF scheme for financing state sector road projects. In addition, the Central Government has set up the India Infrastructure Finance Company Ltd. (IIFCL) for providing long term debt of upto 20 per cent of the capital costs of the project.

10. Some of the key initiatives of the Central Government are outlined below:

Committee on Infrastructure (COI)

11. The Committee on Infrastructure (COI) was constituted on August 31, 2004 under the chairmanship of the Prime Minister. Its members included the Finance Minister, the Deputy Chairman, Planning Commission and the Ministers in-charge of infrastructure ministries. The objectives of the COI included initiating policies that would ensure time-bound creation of world class infrastructure, developing infrastructure projects that maximise the role of PPPs and monitoring the progress of key infrastructure projects to ensure that established targets are met. The COI held several meetings and gave direction to the entire policy framework for accelerating the growth in infrastructure sectors. It also initiated institutional, regulatory and procedural reforms in infrastructure sectors.

Cabinet Committee on Infrastructure (CCI)

12. A Cabinet Committee on Infrastructure (CCI) was constituted under the chairmanship of the Prime Minister on July 6, 2009. It has substituted the Committee on Infrastructure. The CCI approves and reviews policies and projects across infrastructure sectors. It approves the financial, institutional and legal measures necessary for enhancing investment in the

infrastructure sectors. It also lays down annual parameters and targets for performance of all infrastructure sectors and reviews their progress.

Public Private Partnership Appraisal Committee (PPPAC)

13. With a view to streamlining and simplifying the appraisal and approval process for PPP projects, a Public Private Partnership Appraisal Committee (PPPAC) has been constituted under the chairmanship of Secretary, Department of Economic Affairs and Secretaries of Planning Commission, Department of Expenditure, Department of Legal Affairs and the concerned Administrative Department as its members. The project proposals are appraised by the Planning Commission and approved by the PPPAC. Until May 2010, the PPPAC had approved 192 projects involving an investment of Rs. 1,62,550 crore.

Empowered Committee / Institution (EC/ EI)

14. An institutional framework comprising an inter-ministerial Empowered Committee has been established for the purpose of appraising and approving projects for availing the Viability Gap Funding (VGF) grant of up to 20 per cent of the cost of infrastructure projects undertaken through PPP. Until May 2010, it had approved 63 projects in the state sector involving a total capital investment of Rs. 41,422 crore.

Viability Gap Funding (VGF) Scheme

15. Recognising that the externalities engendered by infrastructure projects cannot always be captured by project sponsors, a Viability Gap Funding (VGF) scheme was notified in 2006 to enhance the financial viability of competitively bid infrastructure projects which are justified by economic returns, but do not pass the standard thresholds of financial returns. Under the scheme, grant assistance of up to 20 per cent of capital costs of infrastructure projects is provided by the Central Government to PPP projects undertaken by any Central Ministry, State Government, statutory entity or local body, thus leveraging budgetary resources to access a larger pool of private capital. An additional grant of up to 20 per cent of the project costs can be provided by the sponsoring authority.

16. In the case of National Highway projects, the entire VGF is provided by NHAI from the cess revenues transferred to it by the Government. The aforesaid VGF support for each project is determined through competitive bidding.

17. As stated above, a total of 255 projects have been approved by the PPPAC and EC/EI upto May 2010 with a capital investment of Rs. 2,03,972 crore.

India Infrastructure Finance Company Limited (IIFCL)

18. India Infrastructure Finance Company

Limited (IIFCL) was set up as a non-banking company for providing long-term loans for financing infrastructure projects that typically involve long gestation periods. The IIFCL lends up to 20 per cent of the project costs and one-half of its lending can also be in the form of subordinated debt, which often serves as quasi-equity. IIFCL raises funds from domestic and overseas markets on the strength of Government guarantees.

19. Until May 2010, IIFCL had raised Rs. 20,569 crore and had approved 139 projects with a total investment of Rs. 2,00,884 crore, of which IIFCL lending will be Rs. 24,376 crore. It had disbursed Rs. 8,533 crore up to May 2010. Of the 139 projects sanctioned by IIFCL, financial closure has taken place in 126 projects, involving investments of Rs. 1,74,446 crore.

Advisory Services

20. Implementation of PPP projects requires appropriate advisory services in terms of preparation of project agreements, structuring of projects, etc. Planning Commission has operationalised a scheme for technical assistance to project authorities by providing consultants for projects. The Ministry of Finance has also created an India Infrastructure Project Development Fund (IIPDF) to provide loans for meeting the development expenses including the cost of engaging consultants for PPP projects.

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Model Documents

21. The use of standard documents streamlines and expedites decision-making by the authorities in a manner that is fair, transparent and competitive. All projects that are based on model documents benefit from fast-track appraisal and approval. The Model Concession Agreements (MCAs) published by the Planning Commission for the highway sector are listed in Box 1.

Box 1

Model Concession Agreements for PPP Projects in Highways

- *National Highways*
- *State Highways*
- *Operation & Maintenance of Highways*
- *National Highways (Six Laning)*

22. Standardised guidelines and model documents that incorporate key principles and best practices relating to the bid process for PPP projects have also been developed. Guidelines for the pre-qualification of bidders along with a Model Request for Qualification (RFQ) document have been approved by the COI and issued by the Ministry of Finance for application to all PPP projects. Guidelines for inviting financial bids on the basis of a Model Request for Proposal (RFP) document have also been published. Similar model documents for procuring the services of

consultants and advisers have also been published. The model bidding documents approved and published for the PPP Projects are listed in Box 2.

Box 2

Model Bidding Documents for PPP Projects

- *Model Request for Qualification (RFQ) for PPP Projects*
- *Model Request for Proposal (RFP) for PPP Projects*
- *Model Request for Proposal (RFP) for Selection of Technical Consultants*
- *Model Request for Proposal (RFP) for Selection of Legal Advisers*
- *Model Request for Proposal (RFP) for Selection of Financial Consultants & Transaction Advisers*

Guidelines and Manuals

23. The Government has identified several areas for reform of policies and processes. The MCA specifies the standards and specifications to which the projects should be constructed and maintained. These are laid down in detail in the Manuals of Standards and Specifications. The Planning Commission has published Manuals of Specifications and Standards for Two-Lane and Four-Laning

Highways through PPPs. A number of Guidelines and Manuals for PPP projects have also been published in pursuance of the initiatives described above. These are listed in Box 3.

Box 3

Guidelines and Manuals

- *Guidelines for Financial Support to PPPs in Infrastructure (VGF Scheme)*
- *Guidelines on Formulation, Appraisal and Approval of PPP Projects (PPPAC)*
- *Guidelines for Establishing Joint Ventures in Infrastructure*
- *Guidelines for Monitoring of PPP Projects*
- *Scheme for Financing Infrastructure Projects through the India Infrastructure Finance Company Ltd.*
- *Manual of Specifications & Standards for Two-laning of Highways*
- *Manual of Specifications & Standards for Four-laning of Highways*

Reports and Draft Documents

24. Based on inter-ministerial deliberations,

a number of Reports have been published and their recommendations adopted. The Reports pertaining to the road sector are listed in Box 4.

Box 4

Reports

- *Financing of the National Highways Development Programme (NHDP)*
- *Restructuring of NHAI*
- *Monitoring of PPP Projects*
- *Toll Policy for National Highways*
- *Road Safety and Traffic Management*

25. The Planning Commission has also prepared drafts of some framework documents which will be finalised in consultations with various experts and stakeholders. The draft documents for the highways sector are listed in Box 5.

Box 5

Draft Documents

- *Model EPC Agreement for Highways*
- *Model Construction Contract for Highways (Item Rate)*

26. The entire effort, as brought out in the paragraphs above, has been towards creation of an enabling framework within which PPP projects can be awarded and implemented efficiently without compromising on

government and user interests. The state governments may consider similar institutional arrangements for accelerating the pace of PPPs in state highways.

Status of PPP Projects in State Highways

27. In a federal country like India, active participation of State Governments is essential for development of world class infrastructure, especially in the sectors assigned to the states by the Constitution. Several state governments are already implementing a number of state highway projects through PPP.

28. State-wise details of PPP projects in state highways have been tabulated under the five categories *viz.* completed projects, projects under implementation, projects in the bid process, projects where feasibility study has commenced and projects in the pipeline for 2011-12. These are provided at Annex-I, Annex-II, Annex-III, Annex-IV and Annex-V respectively.

29. Information received from States/UTs includes 73 completed PPP projects with a total investment of Rs. 8,353 crore. 62 PPP projects are currently under implementation with an estimated investment of Rs. 56,406 crore, which includes two expressways in Uttar Pradesh. In addition, 41 PPP projects are in different stages of the bid process involving investment of Rs. 17,591 crore. Feasibility studies have commenced in 44 projects and another 38 projects are in the pipeline for the year 2011-12. Table 1 below depicts the summary of PPP projects in State Highways involving a total investment of Rs. 1,08,508 crore in 258 projects.

Completed Projects

30. A total of 73 state highways projects with an investment of Rs. 8,353 crore have been completed through PPP. Gujarat has completed a maximum number of 16 projects, followed by Andhra Pradesh with 13 projects and Madhya Pradesh with 12 projects.

Projects under implementation

31. 62 state highway projects with an investment of Rs. 56,406 crore are currently under implementation. This includes two major expressway projects in Uttar Pradesh, viz. the Yamuna expressway and the Greater NOIDA-Balia expressway with a capital investment of Rs. 9,935 crore and Rs. 30,000 crore respectively. Andhra Pradesh is implementing a maximum number of 18 projects, followed by Maharashtra with 12 projects and Madhya Pradesh with 10 projects.

Projects in the bid process

32. 41 state highway projects envisaging

an investment of Rs. 17,591 crore are in the bid process. Maharashtra has a maximum number of 11 projects, followed by Rajasthan with 9 projects and Karnataka with 6.

Projects where feasibility study has commenced

33. Feasibility studies have commenced for 44 state highway projects envisaging an investment of Rs. 13,601 crore. Of these, 17 projects are in Karnataka followed by 8 projects in Punjab and 6 projects in Andhra Pradesh.

Projects in the pipeline for 2011-12

34. A total of 38 PPP projects in state highways covering a length of 3,367 km and envisaging an investment of about Rs. 12,557 crore are in the pipeline for 2011-12. This information is based on data provided by seven states, viz. Andhra Pradesh, Bihar, Gujarat, Karnataka, Punjab, Tamil Nadu and Uttar Pradesh. The states of Rajasthan, Chhattisgarh, Madhya Pradesh, Maharashtra, Delhi and West Bengal have indicated no projects in the pipeline.

Table 1: Summary of PPP Projects in State Highways

Sl. No.	ProjectsCategories	No. of Projects	Projects Cost (Rs. crore)
1	Completed Projects	73	8,353
2	Projects under Implementation	62	56,406
3	Projects in the bid process	41	17,591
4	Projects where feasibility study has commenced	44	13,601
5	Projects in the pipeline for 2011-12	38	12,557
	Total	258	1,08,508

Completed PPP Projects in State Highways

(Refer para 30)

(as on May 2010)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of Completion
Andhra Pradesh				
1	Mini Bypass Road to Eluru Town	8	8	10.04.1999
2	Puttur & Tadukupeta Bypass Road	8	3	28.05.2000
3	Bypass Road to Mandapeta Town, East Godavari District	4	4	31.12.2001
4	High Level Bridge on Bhimavaram – Gudivada, Krishna District	Bridge-0.03, Approaches-0.2	1	31.12.2001
5	Bridge across River Godavari between Yanam – Edurulanka	Bridge-1.8, Approaches-12	110	20.09.2002
6	High Level Bridge on Basara – Luxettipet Road	Bridge-0.06, Approaches-2.3	2	30.09.2003
7	HLB across Godumuvagu at Thallada- Bhadrachalam Road	Bridge-0.08, Approaches-3.2	1	30.04.2004
8	High Level Bridge near Somegudem village in Adilabad District	Bridge-0.07, Approaches-0.15	2	10.05.2004
9	High Level Bridge on Suryapet – Aswaraopeta Road	Bridge-0.1, Approaches-0.3	2	10.06.2004
10	Four High Level Bridges on Hyderabad-Guntur Road	Bridges-0.03, 0.012, 0.06 and 0.07	3	12.07.2004
11	High Level Bridge on Mahaboobnagar – Nalgonda Road	Bridge-0.08, Approaches-0.04	2	10.11.2004
12	High Level Bridge on Eluru – Jangareddygudem Road	Bridge-0.04, Approaches-0.2	1	31.08.2005
13	Bridge connecting Puligadda and Penumudi	Bridge-2.58, Approaches-1.96	71	18.01.2007
Sub-total (13 Projects)		Bridges-5, Approaches-20, Roads-20	210	
Chhattisgarh				
1	Ambikapur – Raigarh Road	110	12	01.02.2002
2	Bilaspur – Katghora - Korba - Champa Road	161	25	16.10.2002
Sub-total (2 Projects)		271	37	

Annex-I
(Page 2)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of Completion
Gujarat				
1	Four lane ROB at Chalthan	4	12	15.07.1998
2	ROB Near GNFC Bharuch	1	8	Dec., 1999
3	Mahi Bridge	1	43	08.04.2000
4	Vadodara – Halol	32	161	15.09.2000
5	Zadeshwar Bridge	1	113	10.11.2000
6	Watrak Bridge	9	42	Feb., 2001
7	Ahmedabad – Mehsana	51	306	Nov., 2002
8	Ahmedabad Vadodara Expressway-Phase-I	43	180	Jan., 2003
9	Chhayapuri ROB	1	27	09.03.2003
10	Ahmedabad Vadodara Expressway-Phase-II	50	350	Aug., 2004
11	Himmatnagar Bypass	9	7	04.02.2006
12	Bhuj – Nakhtrana	45	35	Feb., 2008
13	Rajkot Byepass and Gondal Jetpur	36	388	17.03.2008
14	Vadodara – Bharuch	83	550	Jan., 2009
15	Palanpur – Swaroopganj	76	550	March, 2009
16	Bharuch – Surat	65	492	Aug., 2009
	Sub-total (16 Projects)	507	3,264	
Madhya Pradesh				
1	Ujjain-Jhalawad (SH-27)	134	67	13.02.2004
2	Indore-Edelabad (SH-27)	203	124	16.02.2004
3	Rewa-shahdol-Amarkantak (SH-9 & 9A)	246	111	11.11.2004
4	Satna-Maihar-Umaria (SH-11)	141	53	18.02.2005
5	Hoshangabad-Harda-Khandwa (SH-15)	185	81	10.05.2005
6	Hoshangabad-Piparia-Pachmarhi (SH-22 & 19)	126	57	24.06.2005
7	Dewas-Ujjain-Badnawar (SH-18)	98	50	02.08.2005
8	Jabalpur-Narsinghpur-Piparia (SH-22)	140	75	07.02.2006
9	Raisen-Rahatgarh (SH-42)	101	58	13.03.2006
10	Seoni-Balaghat-Gondia (SH-26 & 11)	114	60	22.02.2008
11	Mandsour –Sitamau (SH-14)	44	42	28.02.2009
12	Bhopal-Dewas (SH-18)	141	640	May, 2010
	Sub-total (12 Projects)	1,673	1,418	

Annex-I
(Page 3)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of Completion
Maharashtra				
1	Mumbai-Pune Expressway	92	1,630	2000
2	4 laning Pune – Shirur (SH-60)	50	105	05.07.2005
3	4 laning Nanded - Waranga Phata (MSH-3)	22	44	05.08.2006
4	4 laning Mumbra - Kausa Bypass	5	59	29.12.2007
5	4 laning Ahemadnagar - Ghodegaon (SH-60)	42	70	03.05.2008
6	4 laning Aurangabad – Wadala	62	190	28.02.2009
7	4 laning Aurangabad - Jalna (MSH-6)	65	190	25.07.2009
8	Ahmednagar-Shirur (SH-60)	56	156	Dec., 2009
9	Latur-Ausa-Lamjana	32	54	Dec., 2009
	Sub-total (9 Projects)	426	2,498	
Punjab				
1	Hoshiarpur-Tanda Road	30	31	28.02.2007
2	Balachaur-Garhshankar-Dasuya Road	105	124	06.03.2007
3	Patiala-Samana-Patran Road	49	48	06.03.2007
4	Kiratpursahib-Una Road	36	42	19.11.2007
5	Ferozepur-Fazilka Road	84	106	11.03.2008
6	Moga-Kotkapura Road	48	62	25.04.2008
7	Dakha-Rajkot-Barnala Road	58	79	15.05.2009
8	Bhawanigarh-Nabha-Gobindgarh Road (SH 12-A)	55	70	26.05.2010
	Sub-total (8 Projects)	465	562	
Rajasthan				
1	Mangalwar Nimbaheada - Neemuch Road	10	6	04.07.2002
2	Kekri - Nasirabad Road (SH-26)	32	4	27.04.2004
3	Sirohi-Anadara-Reodar-Mandar Road	17	7	02.12.2005
4	Sirohi-Mandar-Deesa Road (SH-27)	54	26	07.03.2006
5	Hanumangarh- Suratgarh Road	26	10	18.05.2006
6	Kherwara-Dungarpur Road (SH-10)	20	4	30.11.2006
7	Nathdwara- Mavali Road (MDR-36)	27	5	29.02.2008
8	Alwar-Bhiwadi Road	79	19	12.09.2008
9	Banswara - Dahod Road (SH-4)	15	3	29.11.2008
10	Banswara - Udaipur Road (SH-32)	74	12	08.03.2009
11	Challa-Neem-Ka-Thana-Kotputli Road (SH-13 & MDR-25)	62	20	06.02.2010
	Sub-total (11 Projects)	416	116	

*Annex-I
(Page 4)*

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of Completion
	Karnataka			
1	Four laning Bangalore-Mysore (upto Maddur)	63	188	30.06.2006
	Sub-total (1 Project)	63	188	
	Tamil Nadu			
1	East Coast Road	113	60	Dec., 2001
	Sub-total (1 Project)	113	60	
	Grand Total (73 Projects)	3,979	8,353	

PPP Projects in State Highways under Implementation

(Refer para 31)

(as on May 2010)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of Award
Andhra Pradesh				
1	Narsingi – Kolluru, Outer Ring Road	12	300	14.06.2007
2	Pedda Amberpet – Bongalur, Outer Ring Road	13	388	14.06.2007
3	Kolluru – Patancheruvu, Outer Ring Road	12	403	14.06.2007
4	Bongalur – Tukkuguda, Outer Ring Road	13	359	14.06.2007
5	Tukkuguda-Shamshabad, outer ring Road	13	333	14.06.2007
6	2-lane Bridge across Vasista Branch of river Godavari	Bridge-0.38, Approaches-1.40	67	16.04.2008
7	Major Bridge across river Godavari at Eluru-Gundugolanu-Kovvur Road	Bridge-4.15, Approaches-11	809	28.08.2008
8	Pulivendula-Alavalapadu-Vempalli Road in Kadapa District	18	25	22.11.2008
9	Pulivendula-Ambakapalli-Murarichintala Road in Kadapa District	11	20	03.12.2008
10	Pulivendula-Ramireddypalli-Palagiri Road in Kadapa District	24	28	03.12.2008
11	Kadapa-Pulivendula Road in Kadapa District	13	60	27.02.2009
12	Kadapa-Pulivendula Road (KP-2) in Kadapa District	13	52	27.02.2009
13	Kadapa-Pulivendula Road (KP-3) in Kadapa District	18	81	27.02.2009
14	Kadapa-Pulivendula Road (KP-4) in Kadapa District	22	72	27.02.2009
15	Rayalapuram – Gandluru Road in Kadapa District	16	18	19.12.2009
16	Pulivendula-Parnapalli Road	20	24	19.12.2009
17	4-laning of Narketpalli-Addanki-Medaramitla Road	213	1,197	24.04.2010
18	4-laning of Hyderabad-Karimnagar-Ramagundam Road	207	1,358	03.05.2010
	Sub-total (18 Road Projects)	Bridge-5, Approaches-12, Roads-638	5,594	
Gujarat				
1	Kim–Mandvi Road	38	21	23.11.2005
2	Ahmedabad–Viramgam Maliya Road	180	1,015	Aug., 2008
3	Halol–Godhara–Shamlaji Road	173	809	Aug., 2008
4	Bhuj–Bhachau Road	77	257	March,2009
5	Deesa–Pathawada–Gundari Road	44	48	10.04.2009
6	Rajkot – Jamnagar – Vadinar Road	132	775	Aug., 2009
	Sub-total (6 Projects)	644	2,925	

Annex-II
(Page 2)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of Award
Haryana				
1	Gurgaon-Faridabad Road (MDR)	66	180	12.12.2008
2	Ballabgarh-Sohna Road (MDR)			12.12.2008
Sub-total (2 Projects)		66	180	
Karnataka				
1	Hubli-Lakshmeshwar	43	104	03.09.2009
2	Road from Wagdhari to Ribbanpalli	135	242	04.06.2010
3	Road from Dharwad to Ramnagar	60	237	04.06.2010
Sub-total (3 Projects)		238	583	
Kerala				
1	Thiruvananthapuram City Road Improvement Project	42	105	16.03.2004
Sub-total (1 Project)		42	105	
Madhya Pradesh				
1	Chandrapur-Alirajpur-Kukshi-Badwani (SH-26)	100	63	Feb., 2008
2	Matkuli-Tamia-Chhindwara (SH-19)	99	99	Feb., 2008
3	Four-laning of Lebad-Jaora (SH-31)	125	589	March, 2008
4	Four-laning of Jaora-Nayagaon (SH-31)	128	426	June, 2008
5	Indore-Ujjain (SH-27)	49	233	March, 2009
6	Bhopal By-pass	51	222	March, 2009
7	Sagar-Damoh (SH-14)	69	117	Oct., 2009
8	Damoh-Jabalpur (SH-37)	99	213	Oct., 2009
9	Bina-Khimlasa-Malthon (SH-42 & MDR)	39	69	Oct., 2009
10	Bhind-Mihona-Gopalpur (SH-2 & 5)	51	83	Oct., 2009
Sub-total (10 Projects)		810	2,114	
Maharashtra				
1	Ahmadnagar-Kopargaon	45	110	10.05.2007
2	Bhivandi-Vadpe Road & 2 Major Bridges	8	228	25.08.2008
3	Four Laning of Khamgaon Bypass	9	54	05.09.2008
4	Jalana Deoulgaon-Raja	72	125	29.11.2008
5	Yedshi-Latur-Nanded	202	511	14.12.2008
6	Baramati-Phaltan-Shirval	80	358	22.02.2010
7	Jalana-Watur	45	101	20.11.2009
8	Warora-Chandrapur-Bamani	64	449	25.08.2009
9	Chinchoti-Kaman-Paygaon	26	120	28.08.2009
10	Nashik-Niphad-Yeola	92	254	17.12.2009
11	Berala-Chikhali-Khamgaon	67	214	20.05.2009
12	Manor-Wada-Bhivandi	64	339	25.08.2009
Sub-total (12 Projects)		774	2,863	

Annex-II
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S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of Award
Orissa				
1	Palaspanga-Bamebari Road	28	68	16.08.2006
	Sub-total (1 Project)	28	68	
Punjab				
1	Upgradation, O&M of Patiala-Nabha-Malerkotla Road	56	64	01.12.2005
	Sub-total (1 Project)	56	64	
Rajasthan				
1	Sirohi-Revdar-Mandar-Deesa Road (SH-27)	71	134	30.08.2008
2	Ghat Ki Guni through Jhalana Hills	1	150	13.10.2009
3	Jaipur-Bhilwara Road (SH-12)	212	220	16.03.2010
	Sub-total (3 Projects)	284	504	
Tamil Nadu				
1	Madhyakailash-Siruseri	20	390	April, 2005
2	Kudiyar Thoppu-Sholingallur	2		April, 2005
3	Outer Ring Road (Phase-I)	30	1,081	Dec., 2009
	Sub-total (3 Projects)	52	1,471	
Uttar Pradesh				
1	Yamuna Expressway	166	9,935	07.02.2003
2	Greater NOIDA-Balia Expressway	1,047	30,000	23.03.2008
	Sub-total (2 Projects)	1,213	39,935	
	Grand Total (62 Projects)	4,862	56,406	

Annex-III

PPP Projects in State Highways in the bid process

(Refer para 32)

(as on May 2010)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of issue of RFQ	Likely date of RFP
Andhra Pradesh					
1	Four-laning of Nellore – Jammalamadugu	194	962	25.02.2009	01.09.2010
Sub-total (1 Project)		194	962		
Assam					
1	Four-laning of Jorhat-Demow Road	82	562	NI	NI
2	Four-laning of Baihata-Chariali Road	134	1,204	NI	NI
Sub-total (2 Projects)		216	1,766		
Bihar					
1	Bridge across river Ganga connecting Bhaktiyarpur - Shahpur Patori	Bridge-5.5 Approach Road-42	1,502	03.03.2010	14.06.2010
2	Mohania-Ara (NH-3)	117	719	30.03.2010	30.06.2010
3	Bihta –Mahabalipur-Aurangabad (SH-2 & NH-98)	118	204	30.03.2010	30.06.2010
Sub-total (3 Projects)		283	2,425		
Gujarat					
1	Bagodara-Tarapur-Wataman-Vasad Road	101	884	31.8.2009	Aug., 2010
2	Nakhatrana-Pandhro Road	79	195	NI	NI
3	Bagodara-Dhandhuka-Vallabhipur-Bhavnagar Road	128	1,020	Aug., 2010	NI
Sub-total (3 Projects)		308	2,099		
Karnataka					
1	Chikkanayakanahalli-Tiptur-Hassan	74	242	09.04.2010	09.04.2010
2	Sangakal-AP Border (SH-132)	26	158	09.04.2010	09.04.2010
3	Malavalli-Pavagada (SH-33 & 3)	190	560	July, 2010	NI
4	Mudhol-Maharashtra Border (SH-18)	108	318	July, 2010	NI
5	Shikaripura (SH-1 & SH-57)-Anandapuram (NH-206) and Shimoga-Hangal	154	397	July, 2010	NI
6	Managuli to Devapur (SH-61)	110	248	July, 2010	NI
Sub-total (6 Projects)		662	1,923		

NI - Not Indicated

Annex-III
(Page 2)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of issue of RFQ	Likely date of RFP
Madhya Pradesh					
1	Ujjain-Unhel-Nagda-Ghiloda (MDR)	95	189	May, 2010	2010
2	Satna-Chitrakoot (SH-11)	74	122	May, 2010	2010
3	Lebad (SH-31)-Narayanpura-Digthan-Billod-Manpur	34	200	May, 2010	2010
4	Bina-Kurwai-Sironj (SH-14)	57	92	May, 2010	2010
Sub-total (4 Projects)		260	603		
Maharashtra					
1	Four Laning Osmanabad (Yedshi)-Latur-Nanded	202	511	22.08.2007	22.08.2008
2	Four laning Nashik-Aurangabad (SH-30)	92	254	15.06.2008	10.09.2008
3	Four laning Berala Phata-Chikhali-Khamgaon	67	214	22.04.2008	22.09.2008
4	Four laning Jam-Warora-Chandrapur (SH-264)	64	441	05.08.2008	18.08.2009
5	Four laning Jam-Varora (SH-264)	40	224	21.08.2009	08.04.2010
6	Four laning Nanded-Narsi (SH-6)	77	239	19.02.2010	10.05.2010
7	Two laning Shirpur Tajband-Mukhed-Narsi (SH-225)	105	190	19.02.2010	10.05.2010
8	Four laning Karanji-Wani-Ghuggus-Chandrapur	85	499	12.04.2010	10.05.2010
9	Four laning Tembhurni-Kurduwadi-Barshi-Yedshi (SH-77)	94	321	19.04.2010	15.07.2010
10	Four laning Aurangabad-Paithan	40	179	15.03.2010	15.07.2010
11	Four laning Akola-Washim-Hingoli-Waragaphata (SH -204)	180	687	19.04.2010	10.08.2010
Sub-total (11 Projects)		1,046	3,759		
Orissa					
1	Four-laning of Sambalpur-Rourkela	165	1,271	NI	NI
Sub-total (1 Project)		165	1,271		
Rajasthan					
1	Bhilwara-Bundi via Mandalgarh (SH-29)	111	111	Proposal Revised	NI
2	Bharatpur-Sawai-Madhoper (SH-1A)	244	366	Completed	15.11.2009
3	Jaipur-Nagaur via Jobner (SH- 2 & 7)	253	380	Completed	25.11.2009
4	Suket-Bhawani-Mandi (SH- 9A & 19)	52	78	Completed	05.12.2009
5	Dausa-Chaksu Dudu (SH-2)	145	193	Completed	10.06.2010

NI - Not Indicated

Annex-III
(Page 3)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Date of issue of RFQ	Likely date of RFP
Rajasthan					
6	Dudu-Sambhar (SH-2)	26	38	Completed	14.06.2010
7	Bharatpur-Alwar-Beheror-Narnaul (SH-14)	74	103	03.01.2010	16.06.2010
8	Chomu-Mahala via Renwal Jobner (SH-19 & 2C)	70	80	23.01.2010	18.06.2010
9	Kotputali-Kuchaman via Neem-Ka- Thana (SH-37 B & 7)	216	190	13.01.2010	21.06.2010
Sub-total (9 Projects)		1,191	1,539		
Uttar Pradesh					
1	Delhi-Saharanpur-Yamunotri (SH-57)	206	1,244	21.5.2010	NI
Sub-total (1 Project)		206	1,244		
Grand Total (41 Projects)		4,531	17,591		

NI - Not Indicated

PPP Projects in State Highways where feasibility study has commenced

(Refer para 33)

(as on May 2010)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated Cost (Rs. crore)	Date of Award of Feasibility Study	Likely date of completion of Feasibility Study
Andhra Pradesh					
1	Four-laning of Anakapalli–Anandapuram	48	368	Jan., 2007	Completed
2	Four-laning of Gundugolanu-Devarakonda-Kovvur	68	456	2008	Completed
3	Kadapa-Renigunta Road (SH-31)	137	779	May, 2007	Sept., 2010
4	Four-laning of Warangal-Khammam	118	621	May, 2007	Sept., 2010
5	Four-laning of Perecherla–Thokapalli	133	628	May, 2007	Sept., 2010
6	Khammam-Tallada-Devarapalli Road in Khammam District	172	942	June, 2007	Sept., 2010
Sub-total (6 Projects)		676	3,794		
Bihar					
1	Bakthiyarpur-Biharsharif-Nawada-Rajauli-Barhi	154	742	08.03.2008	Completed
2	Mungher-Bhagalpur	56	511	08.03.2008	Completed
3	Rehabilitation of Mahatma Gandhi Setu across Ganga River	Bridge-6, Approach Road-7	273	08.03.2008	Completed
Sub-total (3 Projects)		223	1,526		
Haryana					
1	Yamuna Nagar-Ladwa (SH-6)	22	172	01.08.2008	Completed
2	Rai Malikpur-Narnaul- Mahendergarh-Dadri-Bhiwani-Kharak	151	1,202	01.08.2008	Completed
Sub-total (2 Projects)		173	1,374		
Karnataka					
1	Kudalgi - Sandur to Torangal	46	158	20.08.2009	19.08.2010
2	Sandur - Hospet	27	72	20.08.2009	19.08.2010
3	SH-58 near Chintamani -Tadgal cross to AP Border and Tadgal cross-Govinapalli to AP Border	58	58	20.08.2009	19.08.2010
4	NH-63 near Ginigere-Gangavathi-Sindhanoor	83	83	20.08.2009	19.08.2010
5	SH-20 from Lingsugur- Kalmala to Raichur	90	86	20.08.2009	19.08.2010
6	Shimoga – Honnalli- Harihara	78	78	20.08.2009	19.08.2010
7	SH-13 from AP Border near Devsugur-Chikkasugur – Raichur – Yergera to Mantralaya bridge	58	56	20.08.2009	19.08.2010
8	Turuvekere-Sira	85	221	20.08.2009	19.08.2010
9	Development of road from NH-63 near Gadag – Mundargi to Koppal	69	145	20.08.2009	19.08.2010

Annex-IV
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S.No.	Project Name with State Highways No.	Length (in km)	Estimated Cost (Rs. crore)	Date of Award of Feasibility Study	Likely date of completion of Feasibility Study
Karnataka					
10	SH-63 from Sanakanur – Bevoor-Rampur to Kanakagiri	68	140	20.08.2009	19.08.2010
11	SH-35 from Tamilnadu border-Anekal – Sarjapur –Hoskote	55	277	20.08.2009	19.08.2010
12	NH-4 near Hoskote –Santhe circle to Chintamani and Santhe circle – Jangamakote to Chintamani	84	89	20.08.2009	19.08.2010
13	Tawaregere – Kanakgeri-Gangawati – Kampli to Kudithini	84	241	20.08.2009	19.08.2010
14	Hospet – Kamalapura- Kampli-Ittigi	44	122	20.08.2009	19.08.2010
15	Mysore – Malavalli – Maddur-Kunigal – Tumkur	152	349	20.08.2009	19.08.2010
16	Tumkur- Koratagere – Madhugiri-Pavagada –AP Border	128	275	20.08.2009	19.08.2010
17	Harihara – Harappanahalli-Kudalgi	86	140	20.08.2009	19.08.2010
Sub-total (17 Projects)		1,295	2,590		
Madhya Pradesh					
1	Katni-Damoh (SH-14)	97	Being determined	05.05.2010	05.11.2010
Sub-total (1 Project)		97			
Maharashtra					
1	Four laning Hadapsar-Saswad	41	216	21.01.2009	Completed
2	Four laning Nagpur Bori-Tuljapur (MSH-3)	162	789	21.01.2009	Completed
Sub-total (2 Projects)		203	1,005		
Punjab					
1	Morinda-Kurali-Siswan to Himachal Border (MDR-31)	32	79	27.05.2010	09.10.2010
2	Batala-Mehta-Beas Road (MDR-66)	34	64	27.05.2010	09.10.2010
3	Phillaur-Nakodar-Kapurthala Road (MDR-48)	66	157	27.05.2010	09.10.2010
4	Mukatsar-Kotkapura Road (SH-16)	30	74	27.05.2010	09.10.2010
5	Ropar-Chamkaur Sahib-Neelon-Doraha Road (upto NH-21)	55	176	27.05.2010	09.10.2010
6	Manpur Headworks (Doraha) to Jagraon Raikot Road	51	160	27.05.2010	09.10.2010
7	Manpur Headworks (Doraha) to Barnala-Raikot Road	48	103	27.05.2010	09.10.2010
8	Nidampur-Sullar Gharat-Lehra (Sunam-Lehra-Jakhal) Road	51	102	27.05.2010	09.10.2010
Sub-total (8 Projects)		367	915		

Annex-IV
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S.No.	Project Name with State Highways No.	Length (in km)	Estimated Cost (Rs. crore)	Date of Award of Feasibility Study	Likely date of completion of Feasibility Study
Rajasthan					
1	Rawatsar-Nohar-Bhadra upto Haryana Border	118	177	13.05.2010	15.10.2010
Sub-total (1 Project)		118	177		
Uttar Pradesh					
1	Bareilly-Almora (SH-37)	56	354	19.01.2010	08.06.2010
2	Varanshi-Shaktinagar (SH-5A)	135	878	19.01.2010	08.06.2010
3	Badayun-Bilsi-Hasanpur-Gajraula (SH-51)	209	625	08.01.2010	09.10.2010
4	Sultanpur-Azamgarh-Baliya (SH-34)	229	363	29.10.2009	09.10.2010
Sub-total (4 Projects)		629	2,220		
Grand Total (44 Projects)		3,781	13,601		

PPP Projects in State Highways in the Pipeline for 2011-12

(Refer para 34)

(as on May 2010)

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Likely Date of Award of Feasibility Study
Andhra Pradesh				
1	Two-laning of Mahaboobnagar-Nalgonda	163	571	August, 2010
2	Two-laning of Rayachoti-Angallu	60	210	August, 2010
3	Two-laning of Eluru-Machilipatnam	43	151	August, 2010
4	Two-laning of Kurnool-Guntur	115	403	August, 2010
Sub-total (4 Projects)		381	1,335	
Bihar				
1	Ganga Express Driveway	21	2,490	08.03.2008
2	Dumraon-Vikramganj (SH-79)	44	135	NI
Sub-total (2 Projects)		65	2,625	
Gujarat				
1	Ichchhapore-Hazira	15	16	Nov., 2010
2	Pipavav-Bherai	6	12	Nov., 2010
Sub-total (2 Projects)		21	28	
Karnataka				
1	Kumta-Tadas (SH-69)	128	Being determined	31.08.2010
2	Yalahanka-Gauribidanur-AP Border (SH-9)	75	150	01.01.2011
3	Kadur-Chikamangalur-Mudigere-Belthangadi-Bantwal (SH-64)	162	324	01.01.2011
4	Zaheerabad-Nanded, Bhalki-Chincholi, Wanamarapalli-Raichur, Miriyan-Chincholi, Bidar-Srimandal (SH-75, 04, 15 & MDRs)	215	430	01.01.2011
5	Bidar-Humnabad, Maniknagar-Ghodwadi, Hulasur-Mahagaon (SH-105, 11 & MDR)	113	226	01.01.2011
Sub-total (5 Projects)		693	1,130	
Punjab				
1	Ludhiana-Ferozepur Road along Sidhwan Canal (New Alignment)	17	200	July, 2010
Sub-total (1 Project)		17	200	

NI - Not Indicated

S.No.	Project Name with State Highways No.	Length (in km)	Estimated cost (Rs. crore)	Likely Date of Award of Feasibility Study
Tamil Nadu				
1	Mettur-Palakkanthu-Oddanchatram-Dharapuram-Tiruppur (SH-174)	126	Techno Economic	NI
2	Erode- Dharapuram (SH-83A)	78	Feasibility	NI
3	Arcot bypass road	4	Study yet	NI
4	Erode outer ring road, Phase-II	10	to be	NI
5	Chennai outer ring road, Phase-II	33	awarded	NI
Sub-total (5 Projects)		251		
Uttar Pradesh				
1	Akbarpur-Jaunpur-Mirzapur-Dudhi (SH-5)	207	829	July, 2010
2	Paliya-Sahjanpur-Hardoi-Lucknow (SH-25)	265	1,061	NI
3	Utraula-Mankapur-Nawabaganj (SH-9)	61	183	NI
4	Meerut-Karnal (SH-82)	87	435	NI
5	Gorakhpur-Mahrajganj (SH-81)	53	159	NI
6	Basti-Mehndawal-Kaptanganj-Tamkul (SH-65)	165	497	NI
7	Moradabad-Chandausi-Badayun (SH-43)	164	656	NI
8	Farenda-Naugarh-Badhni-Tuldipur-Balrampur-Gonda (SH-1A)	229	690	NI
9	Garh-Meerut-Baghpat (SH-14)	51	361	NI
10	Bulandshahar-Syana-Garh (SH-65)	50	151	NI
11	Etawah-Mainpuri (SH-83)	53	133	NI
12	Aligarh-Mathura (SH-80)	39	117	NI
13	Eta-Tundla (SH-31)	57	185	NI
14	Firozabad-Sikohabad-Mainpuri (SH-84)	62	155	NI
15	Eta-Sikohabad (SH-85)	53	159	NI
16	Varansi-Bhadohi-Gopiganj (SH-87)	60	195	NI
17	Tarighat-Bara Road (SH-99)	40	100	NI
18	Lucknow-Gorakhpur (NH-28)- Guthni- Bihar Border (SH-72)	190	855	NI
19	Muzaffarnagar-Saharanpur (SH-59)	53	318	NI
Sub-total (19 Projects)		1,939	7,239	
Grand Total (38 Projects)		3,367	12,557	

NI - Not Indicated



