



# Compendium of PPP Projects in Infrastructure

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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 is constrained by the limitations of budgetary allocations, especially in view of the renewed emphasis on social sectors. As a result, the role of private investment in funding infrastructure projects assumes greater significance in delivering the Eleventh Plan targets.

The investment strategy of the Government primarily relies on promoting investment through a combination of public investment, private participation through Public Private Partnerships (PPPs) and stand-alone private investment. Since private investment would not be sustainable in financially unviable projects in rural infrastructure, irrigation and water resources management, inland waterways and in the economically or situationally disadvantaged regions, they would continue to be funded by public investment. For projects which are financially viable, PPPs are increasingly becoming the preferred mode of project implementation, especially in sectors

such as highways, airports, ports, railways and urban transit systems.

A number of initiatives have been taken during the past five years to promote PPPs. This has resulted in the award of a large number of PPP concessions in national highways and ports. In the airport sector, four metro airports at Bangalore, Hyderabad, Delhi and Mumbai are being developed and operated by private entities through PPP concessions. In railways, concessions for the operation of container trains have been awarded to a number of competing entities. The progress made so far seems to suggest that India has taken a lead in attracting private investment in infrastructure as compared to most other countries. The latest data suggests that about 34 per cent of the total investment in infrastructure during the first two years of the Eleventh Five Year Plan (2007-12) came from private investment as compared to about 24.86 per cent during the Tenth Plan. The total investment in infrastructure during the Tenth Plan was Rs. 9,06,074 crore, of which Rs. 2,25,220 crore came from private investment. The projected private investment during the Eleventh Plan is Rs. 7,42,912 crore, which is about 82 per cent of the total investment made during the Tenth Plan. In the State sector, several concessions in roads, ports

and urban infrastructure have been awarded on PPP mode.

Information has been compiled on the status of PPP projects as in December 2009 in the three categories viz. completed projects, projects under implementation and projects in pipeline. The information is being published in this volume 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 infrastructure.



(Gajendra Haldea)

Adviser to Deputy Chairman,

March 15, 2010

Planning Commission

## Compendium of PPP Projects in Infrastructure

### 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, achieving the investment targeted for the Eleventh Plan presents many distinct challenges. These relate not only to scarcity of financial resources but also to lack of capacity within the government to implement these ambitious programmes. The strategy of the government, therefore, relies significantly on promoting investment through a combination of public investment and private participation. A substantial part of the investment in infrastructure sectors such as rural infrastructure, irrigation and water

resources management, inland waterways, and in the economically or situationally disadvantaged regions would have to come from the public sector. It is, therefore, essential to rely on private participation for funding the financially viable infrastructure projects in order to bridge the financing gap.

4. During the terminal years of the Tenth Plan and the first half of the Eleventh Plan, considerable investment has been made in the infrastructure sectors by way of private participation. Typically, the mode of investment has been through Public Private Partnerships (PPP) involving investment by private entities through concession agreements which lay down the performance obligations to be discharged by the concessionaire. PPPs are increasingly becoming the preferred mode for construction and operation of commercially viable infrastructure projects in sectors such as highways, airports, ports, railways and urban transit systems.

5. During the Tenth Plan, a number of initiatives were taken to promote PPPs. The National Highways Authority of India (NHAI) awarded a large number of BOT and Annuity concessions for construction and operation of national highways. In the port sector, the areas identified for private participation included leasing of port assets and construction and operation of terminals. The Railways initiated the rail-port

connectivity projects through the PPP mode. In the airport sector, four metro airports at Bangalore, Hyderabad, Delhi and Mumbai are being developed and operated by private entities through PPP concessions.

### **Policy initiatives to promote private participation**

6. The government has taken a number of initiatives to promote development of infrastructure in general and private participation in particular during the Tenth and Eleventh Plan periods. Some of the key initiatives are outlined below:

#### ***Committee on Infrastructure (COI)***

7. 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)***

8. A Cabinet Committee on Infrastructure (CCI) was constituted under the chairmanship of the Prime Minister on July 6, 2009. The CCI approves and reviews policies and projects across infrastructure sectors. It considers and decides financial, institutional and legal measures required to enhance investment in the infrastructure sectors. It lays down annual parameters and targets for performance of all infrastructure sectors and reviews their progress.

#### ***Public Private Partnership Appraisal Committee (PPPAC)***

9. 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 December 2009, the PPPAC had approved 144 projects involving an investment of Rs. 1,30,915 crore.

#### ***Empowered Committee / Institution (EC/ EI)***

10. 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 December 2009, it had approved 55 projects in the State Sector involving a total capital investment of Rs. 39,736 crore.

#### *Viability Gap Funding (VGF) Scheme*

**11.** 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. 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. As stated above, a total of 199 projects have been approved by the

PPPAC and EC/EI upto December 2009 with a capital investment of Rs. 1,70,651 crore.

#### *India Infrastructure Finance Company Limited (IIFCL)*

**12.** India Infrastructure Finance Company Limited (IIFCL) has been set up as a non-banking company for providing long-term loans for financing infrastructure projects that typically involve long gestation periods. The IIFCL provides financial assistance of up to 20 per cent of the project costs, both through direct lending to project companies and by refinancing banks and financial institutions. Up to one-half of the lending by the IIFCL 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. Until December 2009, IIFCL had raised Rs. 18,126 crore and had approved 125 projects with a total investment of Rs. 1,72,497 crore, of which IIFCL lending will be Rs. 21,001 crore. It had disbursed Rs. 7,110 crore upto December 2009. Of the 125 projects sanctioned by IIFCL, financial closure has taken place in 121 projects, involving investments of Rs. 1,58,003 crore.

#### *Advisory Services*

**13.** 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. 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.

### **Model Documents**

**14.** PPP projects typically involve transfer or lease of public assets, delegation of governmental authority for recovery of user charges, operation and / or control of public utilities/ services in a monopolistic environment and sharing of risk and contingent liability by the Government. The terms of the project agreements as well as the bidding process for award of concessions are usually complex because of the nature of risks and involvement of many stakeholders such as project sponsors, lenders, government agencies, users and regulatory authorities.

**15.** 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 various sectors are listed in Box 1.

**16.** Standardised guidelines and model documents that incorporate key principles

### *Box 1*

#### **Model Concession Agreements for PPP Projects**

- *National Highways*
- *State Highways*
- *Operation & Maintenance of Highways*
- *National Highways (Six Laning)*
- *Urban Rail Transit Systems*
- *Non-Metro Airports*
- *Greenfield Airports*
- *Port Terminals*
- *Operation of Container Trains*
- *Re-development of Railway Stations*
- *Procurement-cum-Maintenance Agreement for Locomotives*
- *Transmission of Electricity*

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 so far 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*
- *Model Request for Proposal (RFP) for Selection of Transmission Consultants*

**Guidelines and Manuals**

17. The Government has identified several areas for reform of policies and processes. The MCAs specify the Standards and Specifications to which the projects should be constructed and maintained. These are contained in Manuals for Standards and Specifications. Planning Commission has published Manuals for Specifications and Standards for Two-Laning of Highways and for Four-Laning of 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 Other Documents**

18. Based on inter-ministerial deliberations, a number of Reports have been published and their recommendations adopted. These are listed in Box 4.

19. The Planning Commission has also

*Box 4*  
**Reports**

- *Financing of the National Highways Development Programme*
- *Financing Plan for Airports.*
- *Financing Plan for Ports*
- *Restructuring of NHAI*
- *Monitoring of PPP Projects*
- *Projections of the Eleventh Five Year Plan: Investment in Infrastructure*
- *Delhi-Mumbai and Delhi-Howrah Freight Corridors*
- *Road Rail Connectivity of Major Ports*
- *Customs Procedures of Container Freight Stations and Ports*
- *Simplification of Customs Procedures in Air Cargo and Airports*
- *Measures for Operationalising Open Access in the Power Sector*
- *Tariff Setting for PPP Projects in Major Ports*
- *Toll Policy for National Highways*
- *Road Safety and Traffic Management*
- *Reducing Dwell Time of Cargo at Ports*
- *Norms & Standards for Capacity of Airport Terminals*

- *Approach to Regulation of Infrastructure*
- *Private Participation in Infrastructure*
- *Selection of Consultants: Best Practices*
- *Frequently Asked Questions (FAQs) on Model RFQ Document*

prepared drafts of some framework documents which will be finalised in consultation with various stakeholders. These are listed in Box 5.

*Box 5*  
**Draft Documents**

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

**20.** 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.

**STATUS OF PPP PROJECTS IN THE CENTRAL SECTOR**

**21.** This volume enlists completed and under implementation projects under PPP mode and also gives details of projects in

the pipeline. A collective summary of PPP projects in the Central and State sectors is at Annex-I. It indicates that while 241 projects with an investment of Rs. 66,627 crore have been completed, 292 projects with an investment of Rs. 2,41,111 crore are under implementation. Another 412 projects involving an investment of Rs. 3,76,561 crore are in the pipeline.

**22.** The Constitution of India delineates the subjects on which the Centre and the States can legislate and frame policies. The key infrastructure sectors such as railways, national highways, airports and major ports are Central subjects and, therefore, the Central Government has been initiating measures to meet the burgeoning demand for infrastructure in these sectors.

Considerable development has taken place in these sectors in the last five years. Apart from public sector projects, numerous PPP projects have also been awarded, and in many cases, these PPP projects are in operation. An attempt has been made to compile sector-wise information of all PPP projects under the Central Sector in Annexes II, III and IV under three categories *viz.* completed projects, projects under implementation and projects in pipeline respectively. The information pertaining to PPP projects in these sectors has been sourced from the four Central Ministries *viz.* Ministry of Road Transport & Highways, Ministry of Shipping, Ministry of Civil Aviation and Ministry of Railways upto December 2009. In the Central sector, a total of 65 PPP projects involving an investment of Rs. 25,343 crore have been

completed up to December 2009, 83 PPP projects with an investment of Rs. 75,914 crore are currently under implementation and another 160 PPP projects with an estimated investment of Rs. 1,84,807 crore are in the pipeline.

#### *Completed Projects*

**23.** Up to December 2009, 39 PPP projects of national highways with an investment of Rs. 13,698 crore and 23 PPP projects in the port sector with an investment of Rs. 5,762 crore have been completed. In the civil aviation sector, airports involving a total investment of Rs. 5,883 crore have been completed through PPP mode at Cochin, Bangalore and Hyderabad airports.

#### *Projects under implementation*

**24.** At present 64 projects with an investment of Rs. 41,911 crore are currently under implementation in the road sector while in the port sector, 13 projects involving an investment of Rs. 10,509 crore are currently under implementation. The airports at Delhi and Mumbai are being upgraded with investment of Rs. 18,777 crore. In railways, private entities are investing Rs. 2,387 crore in rolling stock for container trains. In the rail sector, two loco factories are also being set up with an investment of Rs. 1,500 crore while port connectivity and other projects of Rs. 830 crore are also under implementation. In sum, projects with an estimated investment of Rs. 4,717 crore are under implementation in railway sector.

### *Projects in the pipeline*

**25.** It is expected that another 81 national highways projects envisaging an investment of Rs. 76,341 crore would be awarded soon. 29 port projects with an estimated investment of Rs. 18,466 crore are also in the pipeline. The Ministry of Railways plans to redevelop 50 railway stations in the PPP mode at an estimated cost of Rs. 90,000 crore.

### **STATUS OF PPP PROJECTS IN THE STATE SECTOR**

**26.** 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. These include state highways, state ports and urban infrastructure. Power is a concurrent subject where distribution and intra-state transmission is entirely with the states while bulk of the generation is also with the states. The State Governments are implementing several infrastructure projects through the PPP mode in all these sectors. State-wise details of the PPP projects under the three categories *viz.* completed projects, projects under implementation and projects in pipeline are at Annex-V, Annex-VI and Annex-VII respectively. Information received from States/UTs includes 176 completed PPP projects in different sectors with a total investment of Rs. 41,284 crore while 209 PPP projects are currently under implementation with an estimated investment of Rs. 1,65,197 crore. In addition, 252 PPP projects are in the pipeline involving an

estimated investment of Rs. 1,91,754 crore.

### *Completed Projects*

**27.** 96 road projects with an investment of Rs. 6,384 crore and 20 non-major ports with an investment of Rs. 19,704 crore have been completed through PPP in the state sector. 51 urban infrastructure projects have been executed through the PPP mode involving an investment of Rs. 6,105 crore. Of the total of 176 projects completed by the States, Rajasthan has completed a maximum number of 41 projects, followed by Gujarat with 37 projects and Andhra Pradesh with 31 projects. The largest number of projects have been completed by the States in the road sector followed by urban infrastructure projects.

### *Projects under implementation*

**28.** In the road sector, 69 projects with an investment of Rs. 60,865 crore and in non-major ports, 37 projects with an investment of Rs. 51,549 crore are under implementation. 74 urban infrastructure projects with an investment of Rs. 19,738 crore are also currently under implementation.

### *Projects in pipeline*

**29.** 86 PPP projects in the road sector envisaging an investment of Rs. 39,482 crore are in the pipeline. Another 18 PPP projects with an estimated investment of Rs. 17,436 crore in non-major ports and 67 PPP projects in urban infrastructure sector envisaging an investment of Rs. 45,838 crore are also in the pipeline.

## PPP Projects in Central and State Sectors

(Refer para 21)

(as in December, 2009)

Sl. No.	Sector	Completed Projects		Projects under Implementation		Projects in Pipeline		Total	
		No. of Projects	Project Cost (Rs. crore)	No. of Projects	Project Cost (Rs. crore)	No. of Projects	Project Cost (Rs. crore)	No. of Projects	Project Cost (Rs. crore)
<b>(A) Central Sector</b>									
1	National Highways	39	13,698	64	41,911	81	76,341	184	1,31,950
2	Major Ports	23	5,762	13	10,509	29	18,466	65	34,737
3	Airports	3	5,883	2	18,777			5	24,660
4	Railways			4	4,717	50	90,000	54	94,717
	<b>Total (A)</b>	<b>65</b>	<b>25,343</b>	<b>83</b>	<b>75,914</b>	<b>160</b>	<b>1,84,807</b>	<b>308</b>	<b>2,86,064</b>
<b>(B) State Sector</b>									
1	Roads	96	6,384	69	60,865	86	39,482	251	1,06,731
2	Ports	20	19,704	37	51,549	18	17,436	75	88,689
3	Airports			1	500	13	4,120	14	4,620
4	Railways			1	500	3	312	4	812
5	Power	7	8,971	8	28,392	34	62,032	49	99,395
6	Urban Infrastructure	51	6,105	74	19,738	67	45,838	192	71,681
7	Other Sectors	2	120	19	3,653	31	22,534	52	26,307
	<b>Total (B)</b>	<b>176</b>	<b>41,284</b>	<b>209</b>	<b>1,65,197</b>	<b>252</b>	<b>1,91,754</b>	<b>637</b>	<b>3,98,235</b>
<b>(C) Grand Total (A+B)</b>		<b>241</b>	<b>66,627</b>	<b>292</b>	<b>2,41,111</b>	<b>412</b>	<b>3,76,561</b>	<b>945</b>	<b>6,84,299</b>

## Central Sector: Completed PPP Projects

(refer para 22)

(as in December 2009)

Sl. No.	Ministry of Road Transport & Highways	Project Cost (Rs. crore)
	<b>National Highways Projects</b>	
1	Tumkur – Neelmangala	155
2	Mahapura (near Jaipur) – Kishangarh (6 Lane)	644
3	ROB at Kishangarh	18
4	Nellore – Tada	621
5	Satara – Kagal	600
6	Vivekananda Bridge and Approach Road	641
7	Nandigama – Vijayawada	139
8	Durg Bypass	70
9	Delhi – Gurgaon (Access Controlled 8/6 Lane)	710
10	Salem to Karur	206
11	Karur to Madurai	284
12	Salem to Kerala Border Section	380
13	Salem to Karur	254
14	Krishnagiri to Thopurghat	373
15	Rajkot Bypass & Gondal Jetpur	388
16	Farukhanagar to Kottakata	255
17	Farukhanagar to Kotakatta	302
18	Panipat Elevated Highway	270
19	Ulundurpet – Padalur	460
20	Tindivanam – Ulundurpet	480
21	Mahua-Jaipur	483
22	Ambala – Zirakpur	298
23	Indore-Khalghat	472
24	Kondhali – Telegaon	212
25	Bharatpur-Mahua	250
26	Agra – Bharatpur	195
27	Guna Bypass	46
28	Bharuch to Surat	492
29	Vadodara to Bharuch	660
30	Dharmavaram – Rajahmundry	206

**Annex-II**  
(Page 2)

Sl. No.	Ministry of Road Transport & Highways	Project Cost (Rs. crore)
31	Ankapalli – Tuni	283
32	Tuni – Dharmavaram	232
33	Nellore Bypass	143
34	Maharashtra Border-Belgaum	332
35	Palsit – Dankuni	432
36	Panagarh – Palsit	350
37	Tambaram – Tindivanam	375
38	Palanpur to Swaroopganj	498
39	Kadloor Yellareddy to Gundla Pochampalli	490
	<b>Total – MORT&amp;H (39 Road Projects)</b>	<b>13,698</b>
<b>Ministry of Shipping</b>		
1	Container Terminal at JNPT	600
2	BPCL Jetty at JNPT	200
3	Third Container Terminal at JNPT	900
4	Bulk Cargo berths No. 5A & 6A at Mormugao Port	250
5	Fifth Oil Jetty at Kandla Port	22
6	Oil Jetty related facilities at Vadinar, Kandla Port	750
7	Oil Jetty at Kandla Port	21
8	Container Freight Station at Kandla Port	41
9	Container Terminal (Phase I) at Kandla Port	223
10	Container Terminal (Berth No. 7) at Tuticorin Port	100
11	Container Terminal at Visakhapatnam Port	108
12	Multipurpose Berths at Visakhapatnam Port	196
13	Captive Fertilizer Berth at Paradip Port	26
14	Mechanisation of Cargo Handling at Paradip Port	37
15	Mechanisation of Cargo Handling at Paradip Port	25
16	Container Terminal at Chennai Port	469
17	Second Container Terminal at Chennai Port	495
18	Marine Liquid Terminal at Ennore Port	249
19	Multipurpose Berth at Kolkata Port	150
20	Multipurpose Berth at Kolkata Port	30
21	Mechanisation of HDC berth at Kolkata Port	75
22	Mechanisation of HDC berth at Kolkata Port	75
23	Crude Oil handling facility at Cochin Port	720
	<b>Total –Ministry of Shipping (23 Port Projects)</b>	<b>5,762</b>

**Annex-II**  
*(Page 3)*

<b>Sl. No.</b>	<b>Ministry of Aviation</b>	<b>Project Cost (Rs. crore)</b>
1	Cochin International Airport	563
2	Bangalore International Airport	2,400
3	Rajiv Gandhi International Airport, Hyderabad	2,920
	<b>Total - Ministry of Civil Aviation (3 Airport Projects)</b>	<b>5,883</b>
	<b>Grand Total – Central Sector (65 Projects completed)</b>	<b>25,343</b>

## Central Sector: PPP Projects under Implementation

(refer para 22)

(as in December 2009)

Sl. No.	Ministry of Road Transport & Highways	Project Cost (Rs. crore)
	<b>National Highways Projects</b>	
1	Salem to Kerala Border	470
2	Six lanning of Vadakkancherry – Thrissure	617
3	Armur to Kadloor Yellareddy	391
4	MP/Maharashtra border to Nagpur	1,171
5	Thrissur to Angamali	313
6	Padalur - Trichy	321
7	Karur to Madurai	327
8	Sitapur - Lucknow	322
9	Salem-Ulundrupet	941
10	Aurang - Raipur	190
11	Trichy - Dindigul	576
12	Cuddapah-Mydukur-Kurnool	1,585
13	Madurai-Arupukottai-Tuticorin	629
14	Kannur Vengalem Kuttipuram	1,366
15	Pune-Sholapur	835
16	Neelamangala Junction - Devihalli	441
17	4-lanning of Kannur Vengalem Kuttipuram	1312
18	Elevated Highway in Bangalore	450
19	Thanjarur - Trichy	280
20	Khalghat - MP/Maharashtra Border	549
21	Kurali - Kiratpur	309
22	Trichy - Karur	516
23	Amritsar - Pathankot	705
24	Jalandhar - Amritsar	263
25	Zirakpur - Parwanoo	295
26	Pondicherry - Tindivanam	285
27	End of Durg Bypass - Chattisgarh / Maharashtra Border	464
28	Kishangarh-Ajmer-Beawar	795
29	Delhi/Haryana Border to Rohtak	486
30	Hyderabad-Vijayawada	1,740
31	Pune-Sholapur	1,110

**Annex-III**  
(Page 2)

Sl. No.	Ministry of Road Transport & Highways	Project Cost (Rs. crore)
32	Dhule - Pimpalgaon	556
33	Gujarat/Maharashtra Border-Surat - Hazira Port	1,509
34	Talegaon-Amravat	567
35	Banglore - Neelamangala	445
36	Banglore-Hoskote-Mudbagal	565
37	MP/Maharashtra Border-Dhule	835
38	Gonde-Vadape (Thane)	579
39	Pimpalgaon - Nasik - Gonde	940
40	Nagpur - kondhali	168
41	Chattisgarh / Maharashtra Border - Wainganga Bridge	424
42	Surat - Dahisar	1,694
43	Badarpur Elevated Highways	340
44	Panipat - Jalandhar	2,288
45	Gurgaon - Kotputli - Jaipur	1,674
46	Chilkaluripet - Vijayawada	572
47	Chennai - Tada	353
48	New 4-Lane Elevated Road from Chennai Port - Maduravoyal	1,655
49	MH/AP border to Islam Nagar	360
50	Gwalior Bypass	301
51	Jhansi - Lalitpur	276
52	Bara - Orai	465
53	Gwalior - Jhansi	604
54	Lakhnadon to MP/MH Border	408
55	Jhansi to Lalitpur	355
56	Lakhnadon to MP/MH Border	263
57	Gorakhpur Bypass	600
58	Kosi Bridge	418
59	Islam Nagar to Kadtal	547
60	Kadal to Armur	272
61	Hyderabad - Bangalore	592
62	AP/Karnatka border -Nandi Hill	403
63	Hazaribagh-Ranchi	625
64	Amritsar-Wagha border	206
	<b>Total - MORT&amp;H (64 Road Projects)</b>	<b>41,911</b>

**Annex-III**  
(Page 3)

Sl. No.	Ministry of Shipping	Project Cost (Rs. crore)
1	International Container Trans-shipment Terminal	2,118
2	LNG Regasification Terminal at Cochin Port	3,195
3	Coal Terminal at Ennore Port	399
4	Iron Ore Terminal at Ennore Port	480
5	Two new off-shore container berths in Mumbai Harbour	1,460
6	Captive Jetty for handling Coal at New Mangalore Port	230
7	Construction of Coal Berth at Tuticorin Port	49
8	Container Terminal at Kandla Port	223
9	Multi- purpose cargo berths at Kandla Port	756
10	Deep Draft Iron Ore Berth at Paradip Port	591
11	Deep Draft Coal Berth at Paradip Port	479
12	Mechanised Iron Ore Handling Facilities at New Mangalore Port	277
13	Development of Berth no.7 for handling bulk cargo at Mormugao Port	252
	<b>Total – Ministry of Shipping (13 Port Projects)</b>	<b>10,509</b>
<b>Ministry of Civil Aviation</b>		
1	IGI Airport at New Delhi	8,975
2	CSI Airport at Mumbai	9,802
	<b>Total- Ministry of Civil Aviation (2 Airport Projects)</b>	<b>18,777</b>
<b>Ministry of Railways</b>		
1	Madhepura Electric Loco Factory	750
2	Marhowra Diesel Loco Factory	750
3	Port Connectivity & other RVNL projects	830
4	Investment in Rolling Stock by Container Operators	2,387
	<b>Total- Ministry of Railways (4 Rail Projects)</b>	<b>4,717</b>
	<b>Grand Total- Central Sector (83 Projects under implementation)</b>	<b>75,914</b>

## Central Sector: PPP Projects in Pipeline

(refer para 22)

(as in December 2009)

Sl. No.	Ministry of Road Transport & Highways	Project Cost (Rs. crore)
	<b>National Highways Projects</b>	
1	Devihalli - Hasan	440
2	Walayar - Vadakkancherry	597
3	Machilipatnam - Vijayawada	468
4	Eastern Peripheral Expressway around Delhi	2,334
5	Panikoili-Rimuli	369
6	Panikoili-Rimuli	717
7	Rimuli- Roxy- Rajmunda	654
8	Talcher - Dubari - Chandikhole	784
9	Tirutani – Chennai	802
10	Baitha-Chariali-Tezpur	1,204
11	Bhubaneswar-Puri	459
12	Karaikkudi- Ramanathauram	599
13	Trichy-Karaikudi	804
14	Patna - Buxar	1,620
15	Bakhtiyarpur-Khagaria	1,704
16	Goa / Karnataka Border - Panaji	382
17	Kuttipuram - Edapally	1,158
18	Coimbatore - Mettupalayam	500
19	Chilkaurpet-Nellore	2,164
20	Vijaywada - Eluru - Rajahmundry	2,088
21	Gopalganj - Chapra- Hazipur	923
22	Gopalganj – Chapra - Hazipur	923
23	Khagaria - Purnea	1,254
24	Delhi - Agra	1,918
25	Rohtak - Hissar	695
26	Belgaum - Dharwad	638
27	Cherthala - Ochira	1,286
28	Cherthala - Thiruvanthapuram	1,241
29	Indore-Dewas	409
30	Chandikhole - Jagatpur- Bhubaneswar	951
31	Kishangarh - Udaipur	3,076

**Annex-IV**  
(Page 2)

Sl. No.	Ministry of Road Transport & Highways	Project Cost (Rs. crore)
32	Krishnagiri - Walahjpet	1,490
33	Nagapatnam - Thanjavur	619
34	Varanasi - Aurangabad	2,588
35	Trivendrum - Kerala/T.N. Border	822
36	Kerala/Tamil Nadu Border - Kanyakumari	841
37	Muzaffarpur - Sonbarsa	933
38	Dindugal - Theni	813
39	Tindivanam - Krishnagiri	1,074
40	Ennore Port to Thachur	355
41	Maharashtra / Goa Border - Panaji- Goa/ Karnataka Border	1,872
42	Godhra to Gujarat/M.P. Border	717
43	Ahmedabad - Godhra	1,009
44	Gandhidham (Kandla) to Mundra Port	954
45	Samakhiali - Gandhidham	805
46	Rohtak - Bawal	650
47	Parwanoo - Solan	536
48	Pune - Satara	1,725
49	Udaipur - Ahmedabad	1,750
50	Bareilly - Sitapur	1,046
51	Barasat - Krishanagar	859
52	Krishanagar - Baharampur	672
53	Rohtak - Panipat	812
54	Ranchi – Rargaon - Jamshedpur	1,436
55	Bijapur - Hungund	748
56	Hungund - Hospet	946
57	Hyderabad - Bangalore	680
58	Chengapjalli - T.N./Kerala Border	853
59	Baharampur - Farakka	999
60	Farakka - Raiganj	1,079
61	Raiganj-Dalkhola	580
62	Tumkur - Chitradurga	839
63	UP/Haryana - Yamunanagar	667
64	Hospet - Bellary	174
65	Jalandhar - Amritsar	292
66	Jorabat - Barpani	536

Sl. No.	Ministry of Road Transport & Highways	Project Cost (Rs. crore)
67	Jorahat - Deamow	562
68	Udhampur - Ramban	971
69	Qazigund - Banihal	1,987
70	Ramban - Banihal	986
71	Chenani - Nashri	2,108
72	Jammu - Udhampur	1,993
73	Srinagar - Banihal	1,166
74	Chittorgarh - Kota	89
75	Kota - Baran	55
76	Baran - Shivpuri and Shivpuri - Jhansi	19
77	Porbandar - Bhiladi - Jetpur	77
78	Swarpganj - Pindwara - Udaipur	97
79	Madurai - Tirunelveli - Panangudi	112
80	Purnea - Dalkola - Islampur - Gayakota	93
81	Rajkot - Bamanbore - Surajbari	94
	<b>Total- MORT&amp;H (81 Road Projects)</b>	<b>76,341</b>
<b>Ministry of Shipping</b>		
1	Riverine Jetty at Kolkata Port	47
2	Riverine Jetty at Kolkata Port	99
3	Multi purpose berth at Paradip Port	387
4	Mechanization of Central Quay-III berth at Paradip Port	40
5	Installation of Mechanized handling facilities for fertilizers at Visakhapatnam Port	224
6	Mechanized Coal handling facilities at Visakhapatnam Port	462
7	EQ1 in East Dock at Visakhapatnam Port	284
8	EQ1 in East Dock at Visakhapatnam Port	289
9	Mechanized handling facilities at Visakhapatnam Port	222
10	Mechanized handling facilities at Visakhapatnam Port	228
11	EQ-10 berth at Visakhapatnam Port	55
12	Western quay (WQ -6) at Visakhapatnam Port	114
13	Container Terminal at Ennore Port	1,407
14	Mega Container Terminal at Chennai Port	3,686
15	North Cargo Berty No.II at Tuticorin Port	319
16	Shallow draught Berth (3 Nos.) at Tuticorin Port	50
17	Mechanization of Berth 9 at Tuticorin Port	20
18	Conversion of berth No.8 as Container Terminal at Tuticorin Port	312

**Annex-IV**  
(Page 4)

Sl. No.	Ministry of Shipping	Project Cost (Rs. crore)
19	International Bunkering Terminal at Cochin Port	184
20	International Cruise Terminal-cum-Public Plaza at Cochin Port	55
21	Container Terminal at NMPT	269
22	Two berths at Vasco Bay at Mormugao	120
23	Bulk handling Terminal at Mormugao Port	250
24	Container Terminal at JNPT	600
25	Container Terminal at JNPT	6,700
26	Two Berths at Mumbai Port	45
27	One Berth at Mumbai Port	30
28	Berthing and allied facilities at Kandla Port	1,137
29	Single Point Mooring at Kandla Port	830
	<b>Total- Ministry of Shipping (29 Port Projects)</b>	<b>18,466</b>
<b>Ministry of Railways</b>		
1	Redevelopment of 50 Railway Stations into World-class Stations (50 Projects)	90,000
	<b>Grand Total- Central Sector (160 Projects in Pipeline)</b>	<b>1,84,807</b>

## State Sector: Completed PPP Projects

(refer para 26)

Sl. No.	Andhra Pradesh	Project Cost (Rs. crore)
	<b>Roads</b>	
1	Chittoor Bypass Road	2
2	Bridge across River Godavari between Yanam – Edurulanka	110
3	Bypass Road to Mandapeta Town, East Godavari District	4
4	Reconstruction of High Level Bridge on Basara – Luxettipet Road	2
5	High Level Bridge across Godumuvagu in Andhra Pradesh	1
6	Four High Level Bridges on Hyderabad-Guntur Road	3
7	High Level Bridge near Somegudem village in Adilabad District	2
8	High Level Bridge on Mahaboobnagar – Nalgonda Road	2
9	High Level Bridge on Suryapet – Aswaraopeta Road	2
10	High Level Bridge on Eluru – Jangareddygudem Road	1
11	Bridge connecting Puligadda and Penumudi	71
12	Mini Bypass Road to Eluru Town	8
13	High Level Bridge on Machilipatnam – Nuzividu – Kalluru Road	1
14	High Level Bridge on Bhimavaram – Gudivada, Krishna District	1
15	Puttur & Tadukupeta Bypass Roads	3
	<b>Sub-total (15 Road Projects)</b>	<b>211</b>
	<b>Ports</b>	
1	Gangavaram Port	2,000
2	Krishnapatnam Port, Nellore District	1,350
3	Kakinada Deep Water Port, Kakinada	396
	<b>Sub-total (3 Port Projects)</b>	<b>3,746</b>
	<b>Urban Infrastructure</b>	
1	HITEC City, Cyberabad, Hyderabad	450
2	Mind Space Project, Madhapur, Hyderabad	2,000
3	Integrated Township & Convention Centre, Hyderabad	609
4	Maitrivihar Commercial Complex	5
5	Swarnajayanthi Commercial Complex at Ameerpet, Hyderabad	15
6	Corporate Office Complex adjacent to HACA Bhavan, Hyderabad	5
7	Dwaraka Bus Station Development, Visakhapatnam	4
8	Station and Commercial Development, Karimnagar	7
9	Visakhapatnam Bulk Water Supply Project	11

Sl. No.	Andhra Pradesh	Project Cost (Rs. crore)
10	Visakhapatnam Industrial Water Supply Project	453
	<b>Sub-total (10 Urban Infrastructure Projects)</b>	<b>3,559</b>
	<b>Power</b>	
1	APGPCL - Phase I	141
2	APGPCL - Phase II	414
3	GVK Jegurupadu Combined Cycle Power Project, Jegurupadu	816
	<b>Sub-total (3 Power Projects)</b>	<b>1,371</b>
	<b>Grand Total - Andhra Pradesh (31 Projects)</b>	<b>8,887</b>
<b>Assam</b>		
1	Integrated Solid Waste Management, Guwahati	102
	<b>Grand Total – Assam (1 Project)</b>	<b>102</b>
<b>Bihar</b>		
	<b>Urban Infrastructure</b>	
1	Ratu Road Commercial Complex, Bihar	4
	<b>Grand Total – Bihar (1 Project)</b>	<b>4</b>
<b>Chandigarh</b>		
	<b>Urban Infrastructure</b>	
1	Municipal Garbage Processing Unit, Chandigarh	15
	<b>Grand Total -Chandigarh (1 Project)</b>	<b>15</b>
<b>Chhattisgarh</b>		
	<b>Urban Infrastructure</b>	
1	Ravi Bhawan Commercial Project, Raipur	20
2	Old Administrative Banglow, Raipur	15
3	City Bus Services, Raipur	15
	<b>Grand Total - Chhattisgarh (3 Projects)</b>	<b>50</b>
<b>Delhi</b>		
	<b>Urban Infrastructure</b>	
1	197 Bus-Q-Shelters in NDMC area, Delhi	15
	<b>Grand Total – Delhi (1 Project)</b>	<b>15</b>
<b>Gujarat</b>		
	<b>Roads</b>	
1	Ahmedabad - Mehsana	306
2	Bharuch - Surat	NI*
3	Bhuj - Nakhtrana	35
4	Chhayapuri ROB	27

Sl. No.	Gujarat	Project Cost (Rs. crore)
5	Four lane ROB at Chalthan	12
6	Himmatnagar Bypass	7
7	Ichchhapore - Hazira	16
8	Mahi Bridge	43
9	Palanpur - Swaroopganj	550
10	Pipavav- Bherai	12
11	Rajkot Bypass - Gondal Jetpur	NI*
12	ROB Near GNFC Bharuch	8
13	Vadodara - Bharuch	750
14	Vadodara - Halol	161
15	Watrak Bridge	42
16	Zadeshwar Bridge	113
	<b>Sub-total (16 Road Projects)</b>	<b>2,082</b>
	<b>Ports</b>	
1	Dahej Captive Port Terminal	248
2	Dahej LNG Terminal	2,287
3	Hazira LNG Terminal	3,710
4	Hazira Single Point Mooring	122
5	Liquid Chemical Project	1,500
6	Magdalla Captive Jetty	5
7	Magdalla Jetty	189
8	Muldwarka Jetty	250
9	Mundra Port	1,056
10	Pipavav Captive Port Terminal	167
11	Pipavav Greenfield Port	312
12	Dedicated Container Terminal at Pipavav Port	2,000
13	Pipavav Port	595
14	Sikka 2 Captive Port Terminals	3,000
15	Sikka Jetty	87
16	Sikka Terminal	14
	<b>Sub-total (16 Port Projects)</b>	<b>15,542</b>
	<b>Urban Infrastructure</b>	
1	Indore Stadium and Swimming Pool-Sports Complex	485
	<b>Power</b>	
1	ESSAR Hazira	1,600

Sl. No.	Gujarat	Project Cost (Rs. crore)
2	GIPCL Vadodara & Surat	2,000
3	GPEG Paguthan	2,000
4	Paguthan Expansion Project	2,000
	<b>Sub-total (4 Power Projects)</b>	<b>7,600</b>
	<b>Grand Total -Gujarat (37 Projects)</b>	<b>25,709</b>
<b>Haryana</b>		
	<b>Road</b>	
1	ROB on Delhi-Agra Railway Line, Faridabad	7
	<b>Urban Infrastructure</b>	
1	Industrial Park, Sector 33-34, Gurgaon	60
2	Upgradation of Cricket Stadium, Sector 3, Panchkula	4
3	Upgradation of Cricket Stadium, Sector 38, Gurgaon	4
	<b>Sub-total (3 Urban Infrastructure Projects)</b>	<b>68</b>
	<b>Grand Total – Haryana (4 Projects)</b>	<b>75</b>
<b>Kerala</b>		
	<b>Urban Infrastructure</b>	
1	New Mattancherry Bridge	27
2	Chengala Bus Station	6
3	Pulamanhole Bus Station	2
4	Thavakkara Bus Station	33
5	Trivandrum City Road Improvement Project	112
	<b>Sub-total (5 Urban Infrastructure Projects)</b>	<b>180</b>
	<b>Others</b>	
1	Bekal Water Supply Project	18
	<b>Grand Total –Kerala (6 Projects)</b>	<b>198</b>
<b>Karnataka</b>		
	<b>Urban Infrastructure</b>	
1	Mikkaji Chowk, Mysore	2
2	Sanitary Landfills in Bangalore	30
3	Madivala Commercial Plaza in Karnataka	35
	<b>Grand Total –Karnataka (3 Projects)</b>	<b>67</b>
<b>Madhya Pradesh</b>		
	<b>Roads</b>	
1	Indore-Edelabad	124
2	Ujjain-Jhalawad	67

Sl. No.	Madhya Pradesh	Project Cost (Rs. crore)
3	Rewa-Amarkantak	111
4	Hoshangabad-Harda-Khandwa	81
5	Satna-Umaria	53
6	Dewas-Badnawar	50
7	Hoshangabad-Piparia-Pachmarhi	57
8	Jabalpur-Narsinghpur-Piparia	74
9	Raisen-Rahatgarh	58
10	Seoni-Balaghat-Gondia	60
11	Mandsour –Sitamau	25
	<b>Grand Total- Madhya Pradesh (11 Projects)</b>	<b>760</b>
<b>Maharashtra</b>		
	<b>Roads</b>	
1.	4 laning Pune - Shirur	105
2	4 laning Ahemadnagar - Ghodegaon	70
3	4 laning Nanded - Waranga Phata	44
4	4 laning Mumbra - Kausa Bypass	59
5	4 laning Aurangabad - Wadala	190
6	4 laning Aurangabad - Jalna	190
	<b>Sub-total (6 Road Projects)</b>	<b>658</b>
	<b>Urban Infrastructure</b>	
1	Bus Q shelters	15
	<b>Grand Total –Maharashtra (7 Projects)</b>	<b>673</b>
<b>Punjab</b>		
	<b>Roads</b>	
1	Upgradation of Balachaur-Garhshankar-Dasuya Road	124
2	Upgradation of Patiala-Samana-Patran Road	48
3	Upgradation of Kiratpursahib-Una Road	42
4	Upgradation of Ferozepur-Fazilka Road	106
5	Upgradation of Hoshiarpur-Tanda Road	31
6	Upgradation of Moga-Kotkapura Road	62
7	Upgradation of Dakha-Rajkot-Barnala V	79
8	O&M of Ropar - Phagwara Road	NI*
9	O&M of Jagraon - Nakodar Road.	NI*
	<b>Sub-total (9 Road Projects)</b>	<b>492</b>

Sl. No.	Punjab	Project Cost (Rs. crore)
	<b>Urban Infrastructure</b>	
1	Modern Bus Terminal, Amritsar	13
2	Modern Bus Terminal, Jalandhar	12
3	Modern Bus Terminal, Ludhiana	14
	<b>Sub-total (3 Urban Infrastructure Projects)</b>	<b>39</b>
	<b>Grand Total –Punjab (12 Projects)</b>	<b>531</b>
<b>Puducherry</b>		
	<b>Port</b>	
1	Karaikal Port (Phase-I) on BOT basis	416
	<b>Grand Total- Puducherry (1 Project)</b>	<b>416</b>
<b>Rajasthan</b>		
	<b>Roads</b>	
1	Karaunti Bridge	3
2	Strengthening Mangalwar Nimbaheada - Neemuch Road	6
3	Strengthening Kekri - Nasirabad Road	4
4	Strengthening Sirohi-Anadara-Reodar-Mandar Road	7
5	Improving Sirohi-Mandar-Deesa Road	26
6	Constructing bridge on Luni River at Jodhpur Balotra Guda Road	4
7	Strengthening Hanumangarh- Suratgarh Road	10
8	Strengthening Kherwara Dungarpur Road	4
9	Strengthening Nathdwara- Mavali Road	5
10	Bharatpur Bye-Pass	13
11	Udaipur Bye-Pass	24
12	Improving Alwar Bhiwadi Road	19
13	Sikar Bye-Pass	14
14	Pali Bye-Pass	10
15	Widening Dantiwara-Pipar City-Merta City Road	5
16	4 lane Road on Bar-Bilara - Jodhpur Road	9
17	Widening & Strengthening, Mangalwar - Nimbahera Road	10
18	Improvement of Banswara - Udaipur Road	12
19	Strengthening Banswara - Dahod Road	3
20	High Level Bridge on River Massi on Sanagner-Malpura-Kekri Road	2
21	Improvement of Manglana-Makrana Road	7
22	Upgradation of Udaipur – Salumber – Banswara Road	14
23	Widening and Strengthening of Sri Ganganagar Hanumangarh Road	16

Sl. No.	Rajasthan	Project Cost (Rs. crore)
24	Improvement of Jhalawar - Indore Road	7
25	Construction of Nimbahera Bye-pass Road	31
26	Widening and Strengthening Challa-Neem-Ka-Thana-Kotputli Road	20
27	Widening and Strengthening of Sikar-Jhunjhunu-Loharu Road	50
28	Construction of Pali Bye-pass on Jodhpur Sumerpur Road	30
29	Construction of Kelwa - Amet Road	6
30	Widening and Strengthening of Nasribad Kekerri-Deoli Road	19
31	Widening and Strengthening of Delhi- Ramgarh Alwar Road	25
32	Strengthening and Improvement of Bikaner Bypass Road	12
33	Widening and Improvement of Kama Nand Gaon- Kausi Road	36
34	Widening and Strengthening of Nasirabad – Magliawas Road	22
35	Five Mega Highway Projects of total 1053 Kms in Rajasthan	1,500
	<b>Sub-total (35 Road Projects)</b>	<b>1,984</b>
	<b>Urban Infrastructure</b>	
1	Jaipur (Conversion of Solid Waste)	15
2	Beautification of Roads	5
3	Bus Shelters, Overhead Signage & Foot Bridges in Jaipur	8
4	Beautification of Tonk Road (Ajmeri Gate - Sanganer Flyover), Jaipur	6
5	Ropeway to Jaigarh Fort Road, Jaipur	12
6	Foot-over-bridge at Collectorate Circle, Jaipur	3
	<b>Sub-total (6 Urban Infrastructure Projects)</b>	<b>49</b>
	<b>Grand Total – Rajasthan (41 Projects)</b>	<b>2,033</b>
<b>Tamil Nadu</b>		
	<b>Roads</b>	
1	Improvement and Maintenance of East Coast Road	60
2	Additional two lane bridge and improvement of the bridge across river Korathalayar	25
3	Construction of Coimbatore by-pass and Athupalam Bridge	105
	<b>Sub-total (3 Road Projects)</b>	<b>190</b>
	<b>Urban Infrastructure</b>	
1	Tirupur Water Supply and Sewerage Project	1,085
2	Bio conversion treatment facility for solid waste at Tirupur	4
3	Sewerage treatment plant for underground drainage in Alandur	6
4	Alandur Sewerage Project	34
	<b>Sub-total (4 Urban Infrastructure Projects)</b>	<b>1,129</b>
	<b>Grand Total –Tamil Nadu (7 Projects)</b>	<b>1,319</b>

*Annex-V*  
(Page 8)

Sl. No.	West Bengal	Project Cost (Rs. crore)
	<b>Urban Infrastructure</b>	
1	Shopping Complex at G.T. Road, Asansol	5
2	Bus-cum-Truck Terminal at Nababhat P.S. and District Burdwan	35
3	Setting up Tubular Poles on G.T.Road in Burdwan	1
4	Kichhukhan Tourist Centre at Alisha, P.S. and District Burdwan	5
5	Amusement Park at Dagapur	20
6	Multi Utility Infrastructure Project at Dagapur	50
7	City Centre at Salt Lake	120
8	HILAND Park at Baghajatin	140
9	Waste Management Facilities at Haldia	54
	<b>Grand Total –West Bengal (9 Projects)</b>	<b>430</b>
	<b>Grand Total –States/UTs (176 Completed Projects)</b>	<b>41,284</b>

## State Sector: PPP Projects under Implementation

(refer para 26)

(as in December 2009)

Sl. No.	Andhra Pradesh	Project Cost (Rs. crore)
	<b>Roads</b>	
1	Narsingi – Kolluru, Outer Ring Road	300
2	Pedda Amberpet – Bongulur, Outer Ring Road	388
3	Kolluru – Patancheruvu, Outer Ring Road	403
4	Bongulur – Tukkguda, Outer Ring Road	359
5	Tukkguda – Shamshabad, Outer Ring Road	333
6	Major Bridge across river Godavari	809
7	2-lane Bridge across Vasista Branch of river Godavari	67
8	Pulivendula-Alavalapadu-Vempalli Road in Kadapa District	25
9	Rayalapuram – Gandluru Road in Kadapa District	18
10	Pulivendula-Parnapalli Road	24
11	Pulivendula-Ambakapalli-Murarichintala Road in Kadapa District	20
12	Pulivendula-Ramireddypalli-Palagiri Road in Kadapa District	28
13	Kadapa-Pulivendula Road in Kadapa District	60
14	Kadapa-Pulivendula Road in Kadapa District	52
15	Kadapa-Pulivendula Road in Kadapa District	81
16	Kadapa-Pulivendula Road in Kadapa District	72
	<b>Sub-total (16 Road Projects)</b>	<b>3,039</b>
	<b>Port</b>	
1	Vadarevu & Nizampatnam Port	16,800
	<b>Urban Infrastructure</b>	
1	Integrated Solid Waste Management	897
2	FAB CITY, Hyderabad	150
3	Bus Station and Commercial Development at Bapatla	1
4	Chilakaluripet Old Bus Station Development in Chilakaluripet	2
5	Old Vijayawada Bus Station Development, Vijayawada	5
6	Ongole Old Bus Station Development, Ongole	1
	<b>Sub-total (6 Urban Infrastructure Projects)</b>	<b>1,056</b>
	<b>Grand Total- Andhra Pradesh (23 Projects)</b>	<b>20,895</b>
<b>Assam</b>		
	<b>Urban Infrastructure</b>	
1	Municipal Solid Waste Management, Guwahati	102

Sl. No.	Assam	Project Cost (Rs. crore)
2	Development of Municipal Plots, Guwahati	15
3	Development of GMDA Plot, Guwahati	200
	<b>Sub-total (3 Urban Infrastructure Projects)</b>	<b>317</b>
	<b>Power</b>	
1	60 MW Thermal Power Project	235
	<b>Others</b>	
1	Knowledge City	300
	<b>Grand Total –Assam (5 Projects)</b>	<b>852</b>
<b>Chandigarh</b>		
	<b>Urban Infrastructure</b>	
1	Multilevel Parking, Sector-17, Chandigarh	60
	<b>Grand Total –Chandigarh (1 Project)</b>	<b>60</b>
<b>Chhattisgarh</b>		
	<b>Roads</b>	
1	Improvement of 1500 kms. Roads in the State through CHDCL	1,500
2	Bilaspur-Katghora-Korba-Champa Road (151.00 kms.)	29
3	Ambikapur-Raigarh Road from km 84.600 to 193.100 Km	12
	<b>Sub-total (3 Road Projects)</b>	<b>1,541</b>
	<b>Urban Infrastructure</b>	
1	Bhaisthan Commercial Project at Ramsagarpara, Raipur	35
2	City Bus Stops at Raipur	1
3	Unipoles at Raipur	1
	<b>Sub-total (3 Urban Infrastructure Projects)</b>	<b>37</b>
	<b>Grand Total- Chhattisgarh (6 Projects)</b>	<b>1,578</b>
<b>Delhi</b>		
	<b>Others</b>	
1	Centralised Bio-Medical Waste Treatment Facilities at Okhla	1
2	ISBT at Dwarka	330
3	Integrated Multilevel Parking at 3 sites in NDMC Area, Delhi	8
4	Automated Parking-cum-commercial complex, Kamla Nagar, Delhi	109
5	Integrated Municipal Waste Processing Complex at Okhla, Delhi	65
	<b>Grand Total- Delhi (5 Projects)</b>	<b>513</b>
<b>Gujarat</b>		
	<b>Roads</b>	
1	Bagodara- Tarapur- Wataman- Vasad Road	884

Sl. No.	Gujarat	Project Cost (Rs. crore)
2	Bhavnagar- Dholera- Wataman Sarkhej Road	885
3	Bhuj – Bhachau Road	257
4	Deesa – Pathawada – Gundari Road	48
5	Nakhatrana – Pandhro Road	195
6	Ahmedabad – Viramgam Maliya Road	1,015
7	Halol – Godhara – Shamlaji Road	809
8	Kim – Mandvi Road	21
9	Rajkot – Jamnagar – Vadinar Road	775
10	Bagodara – Dhandhuka – Vallabhipur – Bhavnagar Road	1,020
	<b>Sub-total (10 Road Projects)</b>	<b>5,909</b>
	<b>Urban Infrastructure</b>	
1	Bus Terminals at 7 locations	250
2	Bus Terminals at another 10 locations	250
3	Transport Nagar at Ahmedabad	150
4	Bus Rapid Transit System for Ahmedabad	500
5	Municipal Energy Efficiency Project in 159 ULBs	795
6	Municipal Solid Waste Management Project (MSWN)	17
7	Development of Aji Dam site with Aquarium	50
	<b>Sub-total (7 Urban Infrastructure Projects)</b>	<b>2,012</b>
	<b>Ports</b>	
1	Bedi Port	830
2	Dahej Port	1,200
3	Mahuva Port	425
4	Mithivirdi Port	480
5	Modhawa Port	650
6	Vansi-Borsi Port	1,774
7	Khambhat Port	120
8	Dahej Solid Cargo Terminal	1,100
9	Dholera Port	551
10	Establishment of 3 additional SPM at Sikka Port	NI*
11	Expansion of Port facilities at Pipava Port	NI*
12	Mundra Port	600
13	Shipyards Project at Pipavav Port	8,000
14	Simar Port	750
15	Sutrapada Port	700

Sl. No.	Gujarat	Project Cost (Rs. crore)
16	Hazira- Establishment of 2 <sup>nd</sup> SPM	1,500
17	Development of Hazira- Non LNG Terminal	NI*
18	Maroli Port	1,000
19	Porbandar Port	400
20	Positra Port Project	NI*
21	Cement Jetty at Kutch-ABG shipyard Ltd.	NI*
22	Cement Jetty at Kutch-Deepak Cement	NI*
23	Cement Jetty at Kutch-Gujarat Anjan Cement	NI*
24	Extention of Captive Jetty at Jakhau	NI*
25	Extention of Captive Jetty at Kovaya (Pipavav)	NI*
26	Extention of Captive Magdalla Jetty	NI*
27	Indorama Captive Jetty	NI*
	<b>Sub-total (27 Port Projects)</b>	<b>20,080</b>
	<b>Airports</b>	
1	Dwarka Air port Project	500
	<b>Railways</b>	
1	Gandhidham- Palanpur Gauge Conversion Project	500
	<b>Others</b>	
1	150 MLD sea water based desalination plant for Industrial Water Supply in Kutch	700
	<b>Grand Total –Gujarat (47 Projects)</b>	<b>29,701</b>
	<b>Haryana</b>	
	<b>Roads</b>	
1	Upgradation of Gurgaon – Faridabad and Ballabgarh – Sohna Roads	180
2	Construction of Kundli – Manaesar – Palwal Expressway	2,545
	<b>Sub-total (2 Road Projects)</b>	<b>2,725</b>
	<b>Power</b>	
1	Setting up of Mahatma Gandhi, Thermal Power Project at Jhajjar	6,000
	<b>Urban Infrastructure</b>	
1	Construction of Gurgaon Recreation Park	71
	<b>Others</b>	
1	Metro Link between Delhi Metro and Sikanderpur in Gurgaon	900
2	Common Service Centre Scheme	18
3	Installation of 100 Reverse Osmosis Plants in 100 villages	11
	<b>Sub-total (3 Projects others)</b>	<b>929</b>
	<b>Grand Total –Haryana (7 Projects)</b>	<b>9,725</b>

Sl. No.	Jharkhand	Project Cost (Rs. crore)
	<b>Urban Infrastructure</b>	
1	Birsa Bus stand-cum-commercial complex, Jharkhand	76
2	City centre at Adityapur, Jharkhand	150
3	Adityapur Water Supply Project (Phase I), Jharkhand	150
	<b>Grand Total –Jharkhand (3 Projects)</b>	<b>376</b>
<b>Kerala</b>		
	<b>Roads</b>	
1	Thiruvananthapuram City Road Improvement Project	105
2	Integrated Traffic Study of Kottayam City	1
	<b>Sub-total (2 Road Projects)</b>	<b>106</b>
	<b>Urban Infrastructure</b>	
1	Badagara Vegetable Market Development	15
2	Fish Market Development	6
3	Council Hall, Library-cum-commercial complex at Paravur	16
4	Panchayat Bhavan, Bus station-cum-commercial Complex	12
5	Slum Rehabilitation in Kalluthankadavu area	62
6	Community Hall Development at Kudappanakunnu	6
7	Tribal Village & Commercial space Development	35
	<b>Sub-total (7 Urban Infrastructure Projects)</b>	<b>152</b>
	<b>Grand Total – Kerala (9 Projects)</b>	<b>258</b>
<b>Karnataka</b>		
	<b>Urban Infrastructure</b>	
1	Waste to Energy Project at Mandur	60
2	Integrated Municipal Solid Waste Treatment Project at Kannahalli	25
3	Inertisation and land fill facility Shimoga	4
4	Integrated Municipal Solid Waste Treatment at Mavalipura	40
5	Transfer Station in Bengaluru	90
6	Karnataka Urban Water Sector Improvement Project	70
	<b>Grand Total- Karnataka (6 Projects)</b>	<b>289</b>
<b>Madhya Pradesh</b>		
	<b>Roads</b>	
1	Chandrapur-Alirajpur-Kukshi-Badwani	63
2	Matkuli-Tamia-Chhindwara	98
3	Bhopal-Dewas	427
4	Jaora-Nayagaon	426

Sl. No.	Madhya Pradesh	Project Cost (Rs. crore)
5	Lebad-Jaora	589
6	Indore- Ujjain	233
7	Bhopal By-pass	222
8	Sagar-Damoh	118
9	Damoh-Jabalpur	213
10	Bina-Khimlasa-Malthon	71
11	Bhind-Mihona-Gopalpur	84
	<b>Sub-total (11 Road Projects)</b>	<b>2,544</b>
	<b>Urban Infrastructure</b>	
1	Office complex cum Guest House at Vashi, Mumbai	44
2	Logistic Hub at Mandideep, Bhopal	35
3	City Bus Stops at Bhopal (100 Nos.)	2
4	Foot Over Bridge at Indore	3
5	Multilevel Parkings at 7 places in Indore	14
6	Khandwa Water Supply Project	105
7	Shivpuri Water Supply Project	65
8	Dewas Industrial Water Supply Project	78
	<b>Sub-total (8 Urban Infrastructure Projects)</b>	<b>346</b>
	<b>Grand Total- Madhya Pradesh (19 Projects)</b>	<b>2,890</b>
	<b>Maharashtra</b>	
	<b>Roads</b>	
1	Ahmednagar-Shirur Road	156
2	Yedshi - Latur - Nanded Road	511
3	Latur - Ausa - Lamjana Road	54
4	Ahmadnagar - Kopargaon Road	110
5	Ahmadnagar - Kopargaon Road	101
6	Jalana - Deoulgaon Raja Road	125
7	Four Laning of Khamgaon Bypass Road	54
8	Bhivandi - Vadpe Road & 2 Major Bridges	228
9	Chinchoti - Kaman - Paygaon Road	120
10	Saoner - Bypass Road	125
11	Nashik - Niphad - Yeola Road	254
12	Jalana - Watur Road	101
13	Warora - Chandrapur - Bamani Road	449
14	Berala - Chikhali - Khamgaon Road	214

Sl. No.	Maharashtra	Project Cost (Rs. crore)
15	Manor - Wada - Bhivandi Road	339
16	Baramati - Phaltan - Shirval Road	355
	<b>Sub-total (16 Road Projects)</b>	<b>3,294</b>
	<b>Ports</b>	
1	Rewas-Aware, Distt - Raigad	4,323
2	Dighi Dist - Raigad	607
3	Dhamankhol, Jaigad Dist - Ratnagiri	900
4	Lavgan, Jaigad Dist - Ratnagiri	719
5	Vijaydurg Dist - Sindhudurg	1,000
6	Redi Dist - Sindhudurg	950
	<b>Sub-total (6 Port Projects)</b>	<b>8,500</b>
	<b>Urban Infrastructure</b>	
1	Versova - Andheri - Ghatkopar (Line-I)	2,356
2	Charkop – Bandra - Mankhurd (Line –II)	8,250
	<b>Sub-total (2 Urban Infrastructure Projects)</b>	<b>10,606</b>
	<b>Power</b>	
1	Transmission Systems associated with Jaigad Power Project	557
	<b>Grand Total –Maharashtra (25 Projects)</b>	<b>22,957</b>
<b>Orissa</b>		
	<b>Road</b>	
1	Palaspanga-Bamebari Road	68
	<b>Ports</b>	
1	Dhamara Port	2,469
2	Gopalpur Port	1,700
3	Kirtania Port (Subarnarekha Mouth)	2,000
	<b>Sub-total (3 Port Projects)</b>	<b>6,169</b>
	<b>Urban Infrastructure</b>	
1	A.C. Market Complex, Unit-IV, Bhubaneswar	20
2	Gajapati Plaza at Berhampur, Orissa	9
	<b>Sub-total (2 Urban Infrastructure Projects)</b>	<b>29</b>
	<b>Others</b>	
1	Biotech Park (Konark Knowledge Park)	93
	<b>Grand Total –Orissa (7 Projects)</b>	<b>6,359</b>

Sl. No.	Punjab	Project Cost (Rs. crore)
	<b>Roads</b>	
1	Upgradation, O&M of Patiala-Nabha-Malerkotla Road	64
2	Development of Bhawanigarh-Nabha-Gobindgarh Road	70
	<b>Sub-total (2 Road Projects)</b>	<b>134</b>
	<b>Urban Infrastructure</b>	
1	Development of Land at Nabha House	100
2	Three Mass Rapid Transport Systems in Punjab	15
3	Multilevel Parking in Punjab	20
4	Multilevel Parking at DAC in Punjab	50
5	Development of Multilevel Parking at Feroze Gandhi Market, Punjab	50
	<b>Sub-total (5 Urban Infrastructure Projects)</b>	<b>235</b>
	<b>Others</b>	
1	Development Bus Terminal-cum-Commercial Complex at Patiala	175
2	Development Bus-Terminal-cum-Commercial Complex at Mohali	200
	<b>Sub-total (2 Projects Others)</b>	<b>375</b>
	<b>Grand Total –Punjab (9 Projects)</b>	<b>744</b>
<b>Rajasthan</b>		
	<b>Roads</b>	
1	Strengthening and Widening Sirohi-Revdar-Mandar-Deesa Road	134
2	Alternate Road to Ghat Ki Guni through Jhalana Hills	150
	<b>Sub-total (2 Road Projects)</b>	<b>284</b>
	<b>Urban Infrastructure</b>	
1	International Convention Centre & Golf Course, Rajasthan	911
2	Convention Centre & Student Cultural Centre, Rajasthan	71
3	BRTS Operation & Tracking System, Rajasthan	7
4	Reuse of Recycled water Tertiary Treatment Water Plant, Rajasthan	200
	<b>Sub-total (4 Urban Infrastructure Projects)</b>	<b>1,189</b>
	<b>Power</b>	
1	Lignite based Power Plant, Bhadresh (Barmer)	5,000
	<b>Grand Total – Rajasthan (7 Projects)</b>	<b>6,473</b>
<b>Tamil Nadu</b>		
	<b>Roads</b>	
1	Construction of Outer Ring Road (Phase-I )	1,081
2	Madhya Kailash - Siruseri Road Improvement Project	205
	<b>Sub-total (2 Road Projects)</b>	<b>1,286</b>

Sl. No.	Tamil Nadu	Project Cost (Rs. crore)
	<b>Urban Infrastructure</b>	
1	Effluent Treatment Plant for Dyeing Units Cluster at Tirupur	420
2	Effluent Treatment Plant for Leather Cluster at Ambur	85
3	100 MLD Desalination Plant at Kattupalli Village in Minjur	500
4	Bio Conversion Treatment Facility for Municipal Solid Waste	4
5	Karur Toll Bridge	16
	<b>Sub-total (5 Urban Infrastructure Projects)</b>	<b>1,025</b>
	<b>Others</b>	
1	Fishing Harbours at Muttom and Rajakkamangalamthurai	89
	<b>Grand Total -Tamil Nadu (8 Projects)</b>	<b>2,400</b>
<b>Uttar Pradesh</b>		
	<b>Roads</b>	
1	Yamuna Expressway	9,935
2	Ganga Expressway	30,000
	<b>Sub-Total (2 Road Projects)</b>	<b>39,935</b>
	<b>Urban Infrastructure</b>	
1	Inner Ring Road, Agra	1,099
	<b>Power</b>	
1	Prayagraj Power Project at Bara, Allahabad	10,000
2	Sangam Power Project at Karchana, Allahabad	6,600
3	Input Based Urban Franchisee at Agra	NI*
4	Input Based Urban Franchisee at Kanpur	NI*
	<b>Sub-total (4 Power Projects)</b>	<b>16,600</b>
	<b>Grand Total -Uttar Pradesh (7 Projects)</b>	<b>57,634</b>
<b>West Bengal</b>		
	<b>Urban Infrastructure</b>	
1	Raniganj Square High Way Facility Hub	200
2	Development of Parking Plaza at City Centre Commercial Area	5
3	Commercial-cum-Recreational Hub at Durgapur	80
4	Bus-cum-Truck Terminal at Alisha P.S.& Distt. Burdwan	65
5	Commercial Complex-cum-Parking Lot Near Hasmi Chowk, Siliguri	8
6	O&M and Management of 25 MGD Water Treatment Plant	45
7	Water Treatment Plant (25 MGD) and Distribution Network	93
8	Stadium Based Commercial Complex at Rajdanga	206
9	Multi Storied Car Park at Salt Lake	70

**Annex-VI**  
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<b>Sl. No.</b>	<b>West Bengal</b>	<b>Project Cost (Rs. crore)</b>
10	Water Supply and Sewerage System at Salt Lake	67
	<b>Sub-total (10 Urban Infrastructure projects)</b>	<b>839</b>
	<b>Others</b>	
1	Solid Waste Management Project	26
2	Sealdah Commercial Complex	50
3	Office-cum-Institutional-cum-Commercial Complex at Salt Lake	500
	<b>Sub-total (3 Projects Others)</b>	<b>576</b>
	<b>Grand Total - West Bengal (13 Projects)</b>	<b>1,415</b>
	<b>Grand Total-States/UTs (209 Projects under Implementation)</b>	<b>1,65,197</b>

NI\*- Not Indicated

## State Sector: PPP Projects in Pipeline

(refer para 26)

(as in December 2009)

Sl. No.	Andhra Pradesh	Project Cost (Rs. crore)
	<b>Roads</b>	
1	Four-laning of Narketpally - Addanki - Medarametla Road	1,197
2	Four-laning of Hyderabad Karimnagar- Ramagundam Road	1,358
3	Four-laning of Puthalapattu - Naidupeta Road (SH-61), Chittoor District	529
4	Nellore - Jammalamadugu Road	962
5	Gundugolanu - Devarapalli-Kovvur Road in West Godavari District	431
6	Construction of Bridge across river Krishna in Mahabubnagar District	1
7	Upgradation of Tadipathri - Gooty Road in Ananthapur District	1
8	Upgradation and Improvements of Nellore-Gooty Road	1,258
9	Narketpally - Addanki - Medarakitla Road	1,197
10	Hyderabad - Karimnagar - Ramagundam Road	1,358
11	Two-lane Bridge across Musi River on Miryalaguda - Kodada Road in Nalgonda District	15
12	Upgradation of Chittoor - Puttur Road	151
13	Upgradation of Kurnool - Devenakonda Road in Kurnool District	102
14	Upgradation of Mydukuru - Jammamadugu Road in Kadapa District	172
15	Upgradation of Kandi - Shadnagar Road in Medak District	248
16	Upgradation of Jagtyal - Peddapalli Road in Karimnagar District	113
17	Upgradation of Kalwakurthy - Nandyal Road	1
18	Khammam - Tallada-Devarapalli Road in Khammam District	NI*
19	Kadapa - Renigunta Road	NI*
20	Four-laning of Warangal-Khammam Road	18
21	Four-laning of Perecherla – Thokapalli Road	NI*
22	Four-laning of Anakapalli – Anandapuram Road	275
	<b>Sub-total (22 Road Projects)</b>	<b>9,384</b>
	<b>Ports</b>	
1	Machilipatnam Port at Machilipatnam	1,580
	<b>Urban Infrastructure</b>	
1	Hyderabad Metro Rail Project, Hyderabad	12,132
2	Foot-over-bridge, Toilets, Municipal Parks in ULBs	16
3	Street Lighting works in ULBs	85
4	Bus Terminus and Business Center at Secunderabad	600

Sl. No.	Andhra Pradesh	Project Cost (Rs. crore)
5	High Speed Rail along Outer Ring Road at Hyderabad	NI*
6	Hyderabad Bus Rapid System	NI*
	<b>Sub-total (6 Urban Infrastructure Projects)</b>	<b>12,833</b>
	<b>Airport</b>	
1	Greenfield Airports at Nellore, Ongole, Tadepallygudem, Kurnool, Kothagudem, Ramagundam and Nizamabad (7 Airport Projects)	NI*
	<b>Others</b>	
1	Krishna Godavari Natural Gas Transmission Network	NI*
	<b>Grand Total – Andhra Pradesh (37 Projects)</b>	<b>23,797</b>
	<b>Assam</b>	
	<b>Roads</b>	
1	Four-laning of Jorhat-Demow Road	562
2	Four-laning of Baihata-Chariali Road	1,204
	<b>Sub-total (2 Road Projects)</b>	<b>1,766</b>
	<b>Urban Infrastructure</b>	
1	Multi-Level Car Parking at Guwahati	43
2	O&M of Drinking Water Supply Project	5
3	Beautification of Guwahati City	25
4	Six - lane Bridge over River Brahmaputra	800
5	Four - lane Skyway Elevated Road at Guwahati	260
	<b>Sub-total (5 Urban Infrastructure Projects)</b>	<b>1,133</b>
	<b>Power Sector</b>	
1	2 MW Hydel Power Project	14
2	20 MW Hydel Project	120
3	37 New Mini Hydel Power Projects	750
	<b>Sub-total (3 Power Projects)</b>	<b>884</b>
	<b>Grand Total - Assam (10 Projects)</b>	<b>3,783</b>
	<b>Bihar</b>	
	<b>Roads</b>	
1	Rehabilitation of Mahatma Gandhi Setu across river Ganga	273
2	Bridge across river Ganga connecting Bhaktiyarpur - Shahpur Patori	1,388
3	Monghyr-Bhagalpur Road	511
4	Ganga Express Driveway	2,490
5	Bhaktiyarpur-Nawada- Biharsharif-Rajuli Road	742
6	Ara-Mohania Road	719

Sl. No.	Bihar	Project Cost (Rs. crore)
7	Bihta –Aurangabad Road	204
8	Dumroan-Vikramganj Road	NI*
	<b>Sub-Total (8 Road Projects)</b>	<b>6,327</b>
	<b>Urban Infrastructure</b>	
1	Redevelopment of Nine Bus Terminals in the State	70
2	Development of Commercial Complex at Barari Bhagalpur	55
	<b>Sub-total (2 Urban Infrastructure Projects)</b>	<b>125</b>
	<b>Grand Total- Bihar (10 Projects)</b>	<b>6,452</b>
<b>Chandigarh</b>		
	<b>Urban Infrastructure</b>	
1	Development of Theme Amusement and Entertainment Park at Pushpa Gujral Science City, Chandigarh	25
	<b>Grand Total - Chandigarh (1 Project)</b>	<b>25</b>
<b>Chhattisgarh</b>		
	<b>Roads</b>	
1	Two-laning Bilaspur-Orissa Border Road	493
2	Two-laning Raigarh-Samath-Saraipali Road	218
3	Two-laning of Road from MP Border to Simga	NI*
4	Four-laning Raipur-Bilaspur Road	NI*
5	Two-laning Raipur-Dhamtari Road	NI*
6	Two-laning Patthalgaon - C.G./JH Border Road	NI*
7	Two-laning Dhamtari Jagdalpur Road	NI*
8	Two-laning Ambikapur-Pathagaon Road	NI*
9	Two-laning of Road from Orissa border to Arang	NI*
10	Two-laning Bilaspur-Ambikapur Road	NI*
	<b>Sub-total (10 Road Projects)</b>	<b>711</b>
	<b>Urban Infrastructure</b>	
1	Water Supply Project at Naya Raipur	154
2	Solid Waste Management Projects in Chhattisgarh	450
3	Parking-cum-Commercial Project at Jawahar Bazar in Raipur	20
4	Integrated Mahanadi River Heritage Circuit Project	575
	<b>Sub-total (4 Urban Infrastructure projects)</b>	<b>1,199</b>
	<b>Grand Total- Chhattisgarh (14 Projects)</b>	<b>1,910</b>

Sl. No.	Gujarat	Project Cost (Rs. crore)
	<b>Roads</b>	
1	Bhavnagar-Trapaj & Budhel-Vartej Road Projects	228
2	GIR Sanctuary Ring Road Project	NI*
	<b>Sub-total (2 Road Projects)</b>	<b>228</b>
	<b>Ports</b>	
1	Hazira LNG Project	3,446
2	SPV for Alang	NI*
3	SPV in Bhavnagar Port	NI*
4	SPV in Magdalla Port	NI*
5	SPV in Navlakhi Port	NI*
6	SPV in Okha Port	NI*
7	Kutch RO-RO Terminal Project	95
	<b>Sub-total (7 Port Projects)</b>	<b>3,541</b>
	<b>Urban Infrastructure</b>	
1	Bus Rapid Transport System in Ahmedabad, Rajkot and Surat	500
2	GIFT Project	NI*
3	Multi Level Parking at Soni Bazar	2
4	Multi Level Parking with food court and handicraft market	8
5	Nyari Dam Site Development	50
6	Town Hall and Management of Convention Centre	70
7	Multi-level Parking	100
8	Improvement of water supply and sewerage system of Bharuch	57
9	Improvement of water supply and sewerage system of Amreli	30
10	Improvement of water supply and sewerage system of Anand, and Mehsana town	66
	<b>Sub-total (10 Urban Infrastructure Projects)</b>	<b>883</b>
	<b>Power</b>	
1	Combined Cycle Power Project at Pipavav	8,000
2	Canal Based Hydro Power Project	55
3	ESSAR Hazira Expansion Project	1,500
4	Gogha Power Project at Bhavnagar	1,652
5	GSEG Hazira Expansion	500
6	Mundra Ultra Mega Power Project	6,000
7	Small Hydro Power Generating Station at Damanganga Dam	16
8	Small Hydro Power Generating Station at Karjan Dam	16

**Annex-VII**  
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Sl. No.	Gujarat	Project Cost (Rs. crore)
9	Small Hydro Power Generating Station at Wanakbori Dam	6.10
10	Surat Lignite Expansion Project	1,000
11	Torrent Power Project at Surat	3,500
12	Tata Ultra Mega Power Project	NI*
13	Ultra Mega Power Project	NI*
14	Nuclear Power Project	NI*
	<b>Sub-total (14 Power Projects)</b>	<b>22,245</b>
	<b>Airport</b>	
1	Ahmedabad-Dholera International Airport	2,500
	<b>Railways</b>	
1	Dahej-Bharuch Gauge Conversion	197
2	Hazira Missing link new line	115
3	Surat LRT	NI*
	<b>Sub-total (3 Railway Projects)</b>	<b>312</b>
	<b>Others</b>	
1	Six Multi Modal Logistic Parks	1,800
2	Metro Rail Project at Ahmedabad	10,000
3	Regional Railway System	2,000
	<b>Sub-total (3 Projects Others)</b>	<b>13,800</b>
	<b>Grand Total –Gujarat (40 Projects)</b>	<b>43,509</b>
<b>Haryana</b>		
	<b>Roads</b>	
1	Upgradation of Kotputli-Narnaul-Mahendergarh-Dadri-Bhiwani Road	1,287
	<b>Power</b>	
1	HVPLN 400 KV PPP-1, Jhajjar Power Transmission Project	3,82
	<b>Others</b>	
1	Integrated Multi Level Parking in Sector-29 in Gurgaon	100
	<b>Grand Total – Haryana (3 Projects)</b>	<b>1,769</b>
<b>Jharkhand</b>		
	<b>Urban Infrastructure</b>	
1	Adityapur Water Supply Project, Phase I	150
2	Jaipal Singh Stadium Sports & Complex in Jharkhand	NI*
	<b>Grand Total- Jharkhand (2 Projects)</b>	<b>150</b>

**Annex-VII**  
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Sl. No.	Kerala	Project Cost (Rs. crore)
	<b>Ports</b>	
1	Vizhinjam Port	5,848
2	Kollam Port	NI*
3	Alappuzha Port	750
4	Ponnani Port	NI*
5	Beypore Port	NI*
6	Azhikkal Port	NI*
	<b>Sub-total (6 Port projects)</b>	<b>6,598</b>
	<b>Urban Infrastructure</b>	
1	Bus Station Complex at Kalpetta	18
2	Elevated Parking Plazas in Kozhikode	15
3	Panchayat Bhavan-cum-commercial complex	6
4	Bus Station Complex at Kunnamkulam	33
5	Bus Station-cum-commercial Complex at Koothuparambu	33
6	Convention Centre at Kollam.	25
	<b>Sub-total (6 Urban Infrastructure projects)</b>	<b>97</b>
	<b>Airports</b>	
1	Kannur Air Port	930
	<b>Grand Total – Kerala (13 Projects)</b>	<b>7,625</b>
<b>Karnataka</b>		
	<b>Urban Infrastructure</b>	
1	Integrated Municipal Solid Waste Treatment at Mavalipura	40
2	Transfer Station in Bengaluru	90
	<b>Grand Total – Karnataka (2 Projects)</b>	<b>130</b>
<b>Madhya Pradesh</b>		
	<b>Roads</b>	
1	Ujjain-Unhel-Nagda-Jaora	195
2.	Satna-Chitrakoot	124
3	Lebad-Narayanpura-Digthan-Billod-Manpur	207
	<b>Sub-total (3 Road Projects)</b>	<b>526</b>
	<b>Urban Infrastructure</b>	
1	Two Multilevel Parkings at Gwalior	27
2	Convention & Trade Centre at Minto Hall in Bhopal	350
3	Foot-over-bridge at Bhopal	3
4	Three Bus Terminals at Bhopal	35

**Annex-VII**  
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Sl. No.	Madhya Pradesh	Project Cost (Rs. crore)
5	Two Multi-Level Parkings at Bhopal	20
6	24x7 Water Supply Pilot (Bhopal, Indore and Gwalior)	60
7	Project feasibility and development for Municipal Bodies	200
8	Commercial Complex construction and O & M of Bus Terminal	20
9	Dewas Industrial water Supply Scheme, Madhya Pradesh	78
	<b>Sub-total (9 Urban Infrastructure Projects)</b>	<b>793</b>
	<b>Others</b>	
1	Logistics Park at Hoshangabad	150
	<b>Grand Total - Madhya Pradesh (13 Projects)</b>	<b>1,469</b>
<b>Maharashtra</b>		
	<b>Roads</b>	
1	Four-laning of Sion - Panvel Expressway	1,220
2	Four-laning of Mohol - Kurul – Kamati Road	187
3	Four-laning of Wadgaon - Shikrapur – Choufula Road	1,220
4	Four-laning of Jam - Warora Road	233
5	Four-laning of Akola - Patur- Hingoli -Waranga Road	720
6	Four-laning of Manjarsumba - Kaij - Sawargaon - Latur Road	20
7	Four-laning of Watur -Jintoor - Aundha - Basmat Road	205
8	Four-laning of Nanded - Narsi to State Border Road	230
9	Four-laning of Shirur Narsi Deoglu to State Border Road	175
10	Four-laning of Nagpur- Bori- Tuljapur Road	789
11	Four-laning of Shiroli - Sangli Kolapur Road	145
12	Four-laning of Aurangabad Paithan Road	145
13	Four-laning of Aurangabad- Vaijapur Road	280
14	Four-laning of Tembharni - Barshi - Yedshi Road	341
15	Four-laning of Karangi - Wani - Ghuggus - Chandrapur Road	521
16	Four-laning of Hadapsar- Saswad -Jejuri Road	216
	<b>Sub-total (16 Road Projects)</b>	<b>5,,927</b>
	<b>Urban Infrastructure</b>	
1	Thane-Bhiwandi-Kalyan-Badlapur Line- III	5,486
2	Bandra Station -BKC- Sion-Wadala	1,452
3	Colaba Bandra Metro Corridor Line- III	12,000
	<b>Sub-total (3 Urban Infrastructure Projects)</b>	<b>18,938</b>
	<b>Power</b>	
1	765 kV Sub-Station at Koradi, Akola and associated Transmission Lines	3,382

Sl. No.	Maharashtra	Project Cost (Rs. crore)
	<b>Others</b>	
1	ISBT & ICONIC Building	4,000
2	Nira Deoghar Project in District Pune	810
	<b>Sub-total (2 Projects Others)</b>	<b>4,810</b>
	<b>Grand Total – Maharashtra (22 Projects)</b>	<b>33,057</b>
<b>Orissa</b>		
	<b>Roads</b>	
1	Capital Region Ring Road	304
2	Bhubaneswar-Paradeep Road	562
3	Four-laning of Sambalpur-Rourkela Road	1,271
4	Joda-Bamebari Road	137
5	Koira-Tensa- Lahunipara Road	392
6	Shaukati-Dubuna Road	NI*
7	Tensa-Barsuan-Lahunipada Road	NI*
8	Chorada-Duburi Road	NI*
	<b>Sub-total (8 Road Projects)</b>	<b>2,666</b>
	<b>Port</b>	
1	Jatadhar Muhan Port	1,432
2	Chudamani Port	1,500
	<b>Sub-total (2 Port Projects)</b>	<b>2,932</b>
	<b>Airport</b>	
1	Jharsuguda Airport	90
	<b>Others</b>	
1	Modern Bus Terminus at Badambadi	NI*
2	International Convention Centre	480
3	Haridaspur-Paradeep Rail Link	594
4	Angul-Duburi Sukinda Rail Link	417
5	Gunpur-Theruvalli Rail Link	151
	<b>Sub-total (5 Projects Others)</b>	<b>1,642</b>
	<b>Grand Total –Orissa (16 Projects)</b>	<b>7,330</b>
<b>Punjab</b>		
	<b>Roads</b>	
1	Ring Road around Ludhiana City	31
2	Upgradation of Batala - Beas Road	62
3	Upgradation of Kartarpur - Kapurthala - Nakodar Road	70

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Sl. No.	Punjab	Project Cost (Rs. crore)
4	Upgradation of Amritsar - Sri Hargobindpur - Tanda Road	80
5	Upgradation of Mukatsar - Kotkapura Road	50
6	Upgradation of Sirhind - Morinda Road	60
7	Ropar - Chamkaur Sahib – Neelon - Doraha Road	60
8	Manpur Headworks at Doraha to Jagraon Road	30
9	Rayya - Khara Road	30
10	Multanpur - Rajkot - Barnala Road	90
	<b>Sub-total (10 Road Projects)</b>	<b>563</b>
	<b>Urban Infrastructure</b>	
1	Multi level Parking at Feroze Gandhi Market in Ludhiana	20
2	Multi level Parking at Wagha in Amritsar	10
3	Foot Over Bridges in Ludhiana City	10
4	Metro Rail Project in Ludhiana City	7,000
5	Modern Bus Terminal at Bathinda	100
6	New Bus Stand at Mohali	150
7	New Bus Stand at Patiala	150
	<b>Sub-total (7 Urban Infrastructure Projects)</b>	<b>7,440</b>
	<b>Others</b>	
1	Skywalk (Foot-over-bridge) to Golden Temple in Amritsar	61
	<b>Grand Total – Punjab (18 Projects)</b>	<b>8,064</b>
<b>Puducherry</b>		
	<b>Ports</b>	
1	Development of Puducherry Port	2,785
2	Development of Karaikal Port (Phase II)	NI*
	<b>Grand Total – Puducherry (2 Projects)</b>	<b>2,785</b>
<b>Rajasthan</b>		
	<b>Roads</b>	
1	Ring Road around Jaipur City	NI*
2	Shanti Path Tunnel Connecting Shanti Path and Kho Nagorian Road	NI*
	<b>Sub-total (2 Road Projects)</b>	<b>NI*</b>
	<b>Others</b>	
1	Water Supply Project for 2 Towns and 436 Villages	385
	<b>Grand Total- Rajasthan (3 Projects)</b>	<b>385</b>

Sl. No.	Tamil Nadu	Project Cost (Rs. crore)
	<b>Urban Infrastructure</b>	
1	Development of Space above MRTS Stations	136
2	Tiruppur Marine Discharge Project	1,000
3	120 MLD Tertiary RO Water Treatment Plant at Koyambedu	100
4	Bio conversion treatment facility for Municipal Solid Waste, Tamil Nadu	4
5	Karur Toll Bridge, Tamil Nadu	16
	<b>Sub-total (5 Urban Infrastructure Projects)</b>	<b>1,256</b>
	<b>Others</b>	
1	Truck Parking facility at Madhavaram and Manjambakkam	69
2	Contract Bus Terminal, Trauma Care Centre and Commercial Complex at Koyambedu	475
3	Complexes for Storage of Agri Commodities at Chennai, Madurai and Coimbatore	200
4	Bus Terminal Complex at Trichy	9
	<b>Sub-total (4 Projects Others)</b>	<b>753</b>
	<b>Grand Total –Tamil Nadu (9 Projects)</b>	<b>2,009</b>
<b>Uttarakhand</b>		
	<b>Urban Infrastructure</b>	
1	Dehradun Mussoorie Ropeway	803
2	Janaki Chatti Yamnotri Ropeway	30
3	Thulligad Purnagiri Ropeway	17
	<b>Sub-total (3 Urban Infrastructure Projects)</b>	<b>850</b>
	<b>Power</b>	
1	Nayar Valley Small Hydro Projects	217
2	Balighat Small Hydro Project	41
3	Eastern Ramganga Valley Small Hydro Projects	69
4	Seraghat Small Hydro Project	117
5	Kho Valley Small Hydro Projects	69
6	Khutani Small Hydro Project	165
7	Balgad Small Hydro Project	144
	<b>Sub-total (7 Power Projects)</b>	<b>822</b>
	<b>Grand Total - Uttarakhand (10 Projects)</b>	<b>1,672</b>
<b>Uttar Pradesh</b>		
	<b>Roads</b>	
1	Noida - Haridwar Expressway	10,000
	<b>Power</b>	
1	Lalitpur Thermal Power station	10,000

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Sl. No.	Uttar Pradesh	Project Cost (Rs. crore)
2	Jawaharpur Etah Thermal Power Station	6,600
3	Dopaha (Sonebhadra) Thermal Power Station	10,000
4	Farrukhabad Power Station	NI*
5	Sandila, Hardoi Power Station	NI*
6	Dohrighat, Mau Power Station	NI*
7	Kanpur, Fatehpur Power Station	NI*
8	Transmission Projects	7,717
	<b>Sub-total (8 Power Projects)</b>	<b>34,317</b>
	<b>Airports</b>	
1	Kushinagar International Airport & Budhist Circuit	600
2	Dr.Bhim Rao Ambedkar International Airport	NI*
3	Taj International Aviation Hub	NI*
	<b>Sub-total (3 Airport Projects)</b>	<b>600</b>
	<b>Grand Total - Uttar Pradesh (12 Projects)</b>	<b>44,917</b>
	<b>West Bengal</b>	
	<b>Roads</b>	
1	Ring Road at Durgapur	97
	<b>Urban Infrastructure</b>	
1	Solid Waste Management Projects for SLF and Composting Plant in 13 ULBs of KMA	NI*
2	SWM Projects for 4 ULBs of KMA for primary collection to SLF and Composting	NI*
	<b>Sub-total (2 Urban Infrastructure Projects)</b>	<b>NI*</b>
	<b>Grand Total -West Bengal (3 Projects)</b>	<b>97</b>
	<b>Grand Total – States / UTs (252 Projects in Pipeline)</b>	<b>1,91,754</b>

NI\*- Not Indicated