

Solapur City Development Plan (CDP)

: Prepared as per

**Urban Infrastructure Development Scheme for Small & Medium Towns
(UIDSSMT) Guidelines**

Executive Summary

For



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Submitted by:



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Solapur City Development Plan (CDP), Year 2007 - 2013

1. ABOUT UIDSSMT

Urban Infrastructure Development Scheme for Small & Medium Towns (UIDSSMT) launched by GOI has been programmed with an aim at creating economically productive, efficient, equitable and responsive Cities. The UIDSSMT focuses primarily on –

- i. Improving infrastructural facilities and help create public assets and quality oriented services in Cities & Towns;
- ii. Enhancing public-private-partnership in infrastructural development and;
- iii. Promoting planned integrated development of Towns and Cities.

UIDSSMT provides both incentive as well as support for undertaking reforms at State and Cities level, thus creating right development framework for enhancing creditworthiness of Municipal Governments and equitable distribution of resources for Urban Society at large. As part of its Mission, GOI has identified all the Cities and Town which has not been included in the Jawaharlal Nehru Nation Urban Renewal Mission (JNNURM), spread across the country as target cities for development by providing financial assistance in line with the provisions of Mission. The prerequisite for seeking assistance under UIDSSMT Scheme for any Cities or Town is holding elections on regular basis for the Local Body Council.

Solapur Municipal Corporation is contemplating to include Solapur City which entails it to an 80 per cent grant from Government of India and a 10 per cent grant from the Government of Maharashtra as per the UIDSSMT guidelines.

Solapur City situated in southern part of Maharashtra is found to be strategically positioned vis-à-vis Karnataka & Andhra Pradesh State. It has evolved as the regional growth center, attracting economic activities and providing livelihood for large in-migrating population. Solapur Municipal Corporation (SMC), established on 1st May 1964, is managing the City with about 10.0 Lakhs population characterized by people coming from diverse cultural background.

2. OBJECTIVES OF CITY DEVELOPMENT PLAN

The City Development Plan encompasses Solapur Municipal Corporation's strategy which has been formulated with due consideration to development objectives as conceived by the SMC and mission statements chalked out together with key stakeholders, with a long term vision spanning over next 25 years.

3. THE CDP PROCESS ADOPTED BY SOLAPUR

The City Development Plan prepared by the Solapur Municipal Corporation is based on following broad parameters –

Stage 1: Defining Vision for Solapur City

Stage 2: Prioritizing Development Objectives in line with Vision Statements

Stage 3: Sustainability Assessment and Development Scheduling

Approach & Methodology adopted of City Development Plan Preparation			
Step 1	Step 2	Step 3	Step 4
Infrastructure Assessment	Vision & Development Objective	Development Strategies	Investment & Financial Operating Plan
<ul style="list-style-type: none"> ▪ Opportunities ▪ Strengths ▪ Weakness ▪ Unmet Demand/ Gaps 	<ul style="list-style-type: none"> ▪ Development Objectives ▪ Economic Vision ▪ Service Vision 	<ul style="list-style-type: none"> ▪ Options & Strategies ▪ Development Prioritization ▪ Reform Agenda 	<ul style="list-style-type: none"> ▪ Capital Investment Plan ▪ Financial Operating Plan
Condition Assessment	Inter Department & Stakeholders Workshops	Data Analysis Joint Workshops Benchmarking	Cost Estimates & Growth Assumptions

4. SOLAPUR MUNICIPAL CORPORATION

Solapur Municipal Corporation (SMC) was established on 1st May 1964, with 23.23 sq.kms jurisdiction area. The Corporation is constituted under the provisions of Bombay Provincial Municipal Corporations Act, 1949 and is also governed by the provisions of 74th Constitutional Amendments Act 1992(CAA). Further the City limits got expanded (refer Annexure B) in various stages up to 178.57 sq.kms area accommodating a population of 8, 72,424 persons as per the census record of year 2001.

The time-line for Original City extension is as tabulated below:

Date	City Limit Details	Area, sq.kms
29/09/1967	Original City Limit	23.23
28/06/1979	Up to Solapur Vijapur Hotgi Road	2.30
01/09/1989	Salgar Vasti – Beedi Gharkul, Hyderabad Road	7.40
05/05/1992	After the inclusion of 13 Villages	145.57
Total City Area including extension Area		178.57

The major extension within which the City expanded more than 80% from original limits, involved merging of following 13 adjoining villages –

- i. Kegoan, Shivajinagar
- ii. Bale
- iii. Kasbe Solapur 1
- iv. Kasbe Solapur 2
- v. Shelgi
- vi. Dahitane
- vii. Basveshwarnagar
- viii. Degaon
- ix. Pratapnagar
- x. Nehrunagar
- xi. Soregaon
- xii. Manjrewadi
- xiii. Kumthe

5. VISION STATEMENT

To Develop Solapur into a Responsive Regional Economic Center

5.1. DEVELOPMENT MISSION & GOALS

- a. To trigger economic development through infrastructure provision, capitalizing on its locational advantage and other endowments including Religious Tourism, Education headway and Healthcare potential.
- b. To provide good quality of life to the citizens of the city in an integrated, equitable and sustainable manner, with specific focus on the poor and disenfranchised
- c. To provide Responsive, Efficient, and Transparent Governance and Urban Management, so as to sustain economic development and quality of life
- d. To Strive for financial self-sufficiency and sustainability

6. POPULATION FORECAST

2006	2011	2016	2021	2026	2031
Urban Area: Planning Sector 1 to 9					
593960	624258	656102	689570	724745	761714
Urbanizing Area: Planning Sector 10 to 16					
384956	510592	659501	835575	1043316	1287952
978917	1134851	1315603	1525144	1768060	2049666

The population growth rate for Urban Area i.e. the Inner city is assumed to be at 1% per year and 3% per year for Urbanizing Area i.e. Extended Area. From present total population of level of 9.75 Lakhs, the population is likely to grow up to 15.25 Lakhs by year 2021 and 20.50 Lakhs up to year 2031.

7. EXISTING INFRASTRUCTURE DEVELOPMENT INDICATORS

Some of the indicators pertaining to the Solapur City Infrastructure Status is presented below –

S.N.	Indicators	Status
1.	Land Usage Pattern, Year 1997 Developed Area: Un Developed Area:	19.61% 80.39%
2.	Road Stretches undertaken for Development (2002 – 05) BTM: WBM:	125 kms 95 kms
3.	Water Supply to the City Proposed Water Supply in Urban Area: Proposed Water Supply in Urbanizing Area:	100 MLD 115 lpcd 70 lpcd
4.	Sewerage System Length of Sewerage Connection: Area covered in Inner City: Sewerage Treatment Plant:	295 kms 60 – 70 % Non- functional
5.	City Municipal Transport No. of Buses: No. of Routes covered: Bus – Staff Ratio:	55 Nos. 28 Nos. 1:16
6.	Urban Poor Slum based population as per census 2001: Number of Private Water Connections: Number of Stand Posts: Number of Sewer Lines developed in 159 declared Slums out of 220:	220514 5934 850 76

On the basis of existing Infrastructure Development Status, the development objectives are prioritized as follows –

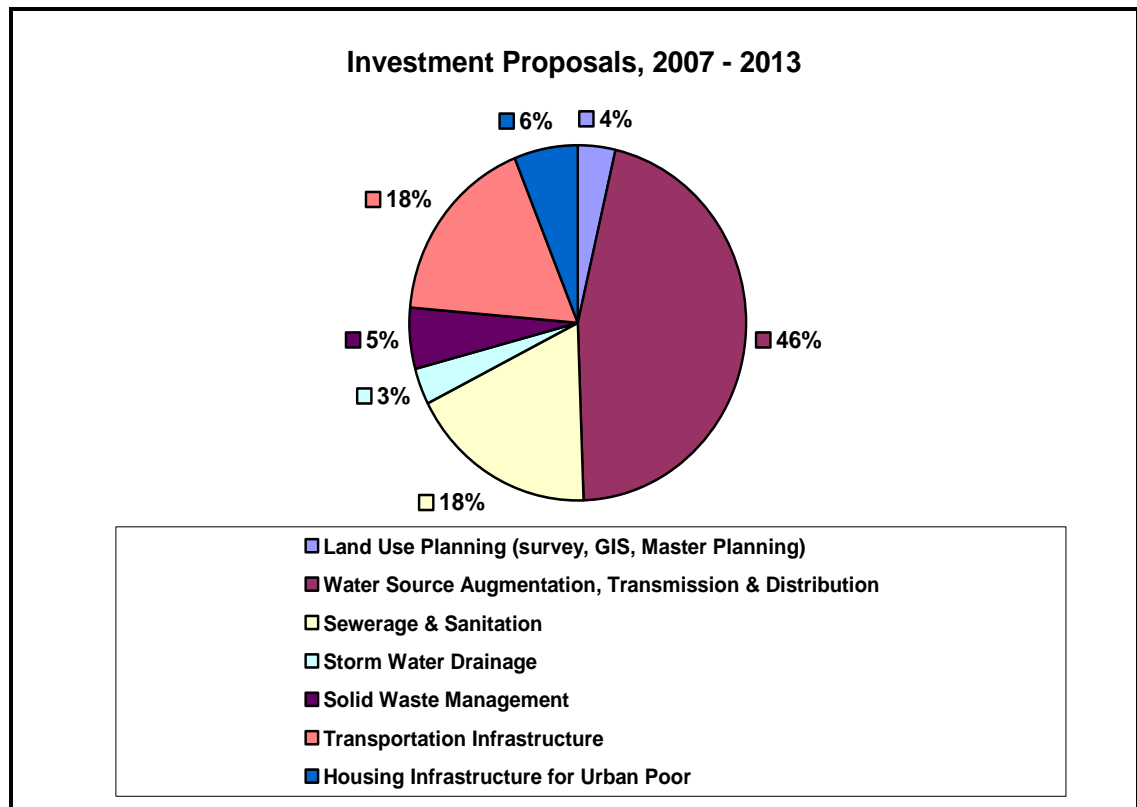
- 1) Water Source Augmentation, Transmission & Distribution System
- 2) Sewerage System Improvement in Inner City & Development in Extended Area
- 3) Up gradation of Inner City Roads & Development of DP Roads
- 4) Rehabilitation of Urban Slums

8. CAPITAL INVESTMENT PLAN

8.1. INVESTMENT SCALE FOR UIDSSMT FUNDING PERIOD, 2007 - 2013

On the basis of the Development Objectives and Strategic Options, the following Infrastructure Projects have been earmarked for development within a span of 7 years i.e. 2007 – 2013. Also, the cumulative investment for next 25 years i.e. 2007 – 2031 have been presented below –

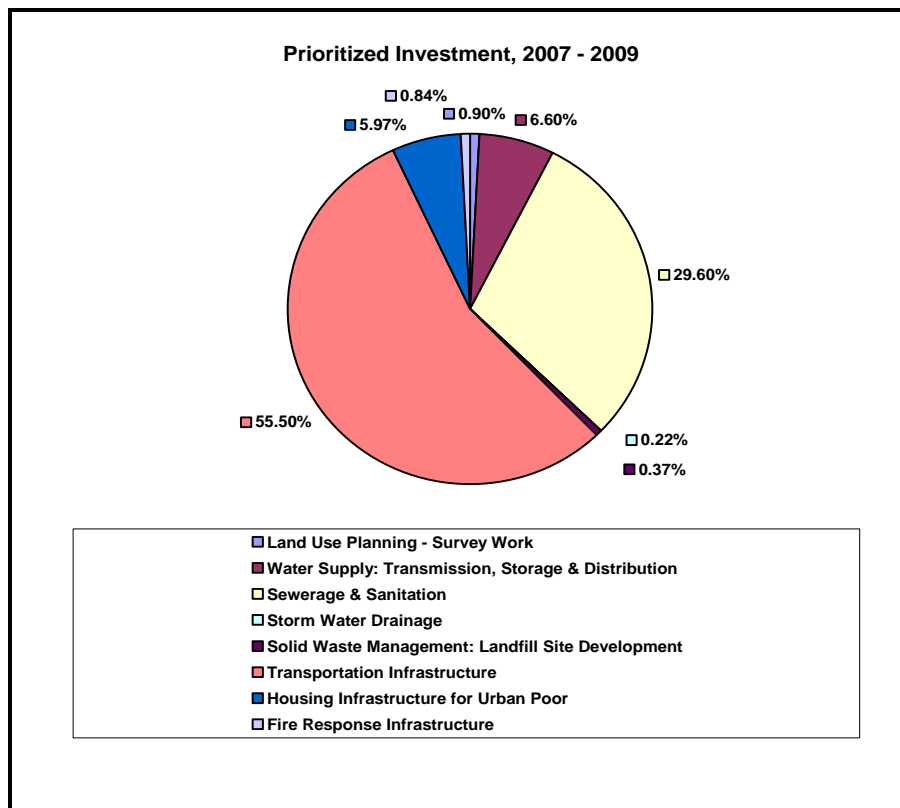
SN.	Proposed Project / Sector	Estimated Cost (Rs. Crores)	
		2007 - 13	2007 - 31
1.	Land Use Planning (survey, GIS, Master Planning)	55.00	-
2.	Water Source Augmentation, Transmission & Distribution	686.00	2295.00
3.	Sewerage & Sanitation	273.23	2036.30
4.	Storm Water Drainage	51.12	774.00
5.	Solid Waste Management	80.55	476.50
6.	Transportation Infrastructure	264.30	1396.20
7.	Housing Infrastructure for Urban Poor	92.29	369.14
	Total Capital Investment Plan	1502.49	7347.14



8.2. PRIORITIZED INVESTMENT, 2007 – 2009, PRIOR TO STAKEHOLDER CONSULTATION

In order to ensure the availability of basic civic Infrastructure/Services, the Total Investment i.e., planned under UIDSSMT Scheme has been prioritized for the purpose of its execution within first 2 years of UIDSSMT funding period. The detail of Prioritized Investment have been listed below –

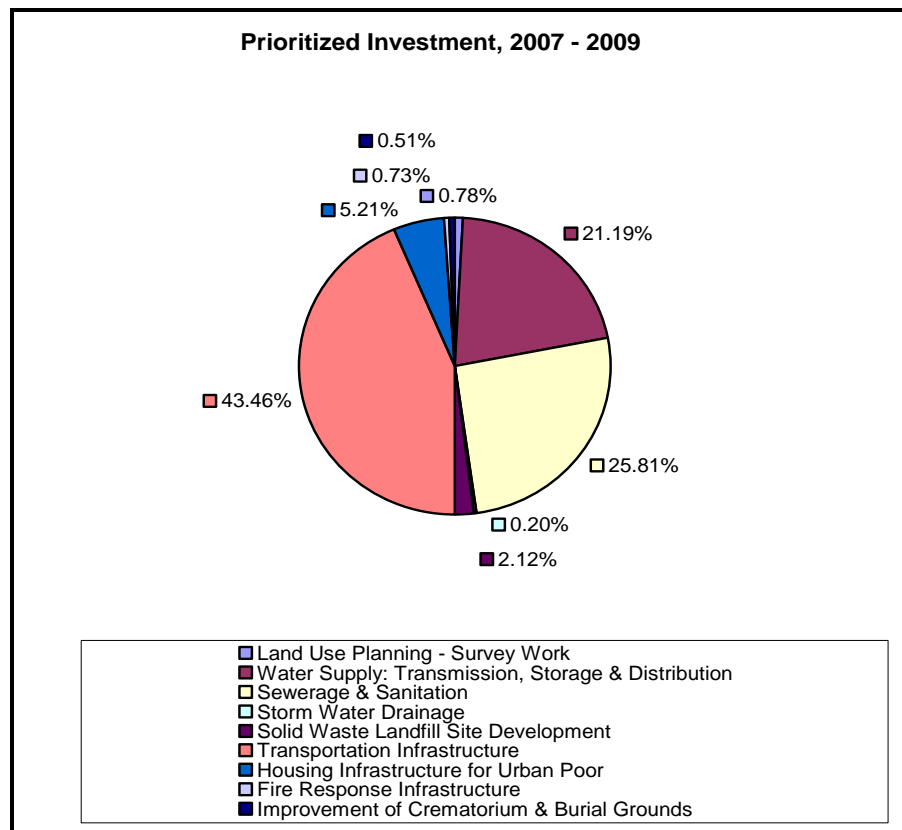
SN.	Prioritized Investment	Estimated Cost (Rs. Crores)
		2007 – 2009
1.	Land Use Planning - Survey Work	3.00
2.	Water Supply: Transmission, Storage & Distribution	22.10
3.	Sewerage & Sanitation	99.10
4.	Storm Water Drainage	0.75
5.	Solid Waste Management: Landfill Site Development	1.25
6.	Transportation Infrastructure	185.83
7.	Housing Infrastructure for Urban Poor	20.00
8.	Fire Response Infrastructure	2.80
Total Prioritized Investment prior to Stakeholder Consultation		334.83



8.3. PRIORITIZED INVESTMENT, 2007 – 2009, AFTER STAKEHOLDER CONSULTATION

In order to ensure the availability of basic civic Infrastructure/Services, the Total Investment i.e., planned under UIDSSMT Scheme has been prioritized for the purpose of its execution within first 2 years of UIDSSMT funding period. The detail of Prioritized Investment have been listed below –

SN.	Prioritized Investment	Estimated Cost (Rs. Crores)
		2007 – 2009
1.	Land Use Planning - Survey Work	3.00
2.	Water Supply: Transmission, Storage & Distribution	81.43
3.	Sewerage & Sanitation	99.18
4.	Storm Water Drainage	0.75
5.	Solid Waste Landfill Site Development	8.13
6.	Transportation Infrastructure	167.00
7.	Housing Infrastructure for Urban Poor	20.00
8.	Fire Response Infrastructure	2.80
9.	Improvement of Crematorium & Burial Grounds	1.95
Total Prioritized Investment after Stakeholder Consultation		384.24



9. REVIEW OF MUNICIPAL FUND

The Solapur Municipal Corporation's (SMC) developmental and operational requirements are funded mostly through its own revenues and partly by the State's devolution of funds in the form of grants and assistances. SMC follows a cash based single entry system of accounting, wherein the revenue realizations and expenditures are recorded on the basis of actual realizations and expenditures. In its venture to have a transparent and efficient accounting system, from 1-4-2006 SMC is switching over to the accrual based double entry book keeping system.

9.1. SUMMARY OF MUNICIPAL FUNDS

The municipal fund of SMC as per the annual accounts demonstrates a sound operating position during the period of review.

(Rs. in Lakhs)

	2000-2001	2001-2002	2002-2003	2003-2004	2004-2005
Rs in Lakhs					
Revenue income					
Taxes & user charges	8108.29	7754.34	8795.89	9599.07	10592.93
Grants	184.23	184.87	149.91	250.13	149.57
Total	8292.53	7939.21	8945.81	9849.21	10742.50
Revenue expenditure					
Establishment Expenditure	3653.47	4034.62	4834.81	5205.07	5761.53
O&M costs	2273.30	2164.95	2859.76	2333.60	2954.21
Debt servicing	1251.13	492.17	303.06	852.00	822.24
Total	7177.90	6691.74	7997.62	8390.67	9537.98
Capital Income	1322.33	668.07	1356.51	587.77	1009.37
Capital expenditure	2341.62	2037.40	1376.06	2028.46	1911.69
Total income	9614.86	8607.28	10302.31	10436.97	11751.87
Total expenditure	9519.52	8729.14	9373.69	10419.13	11449.68
Status of revenue account	1114.63	1247.47	948.18	1458.54	1204.52
Status of capital account	(1019.29)	(1369.32)	(19.55)	(1440.69)	(902.33)
Overall status	95.34	(121.85)	928.63	17.85	302.19
Opening balance	1586.73	1682.07	1560.21	2488.84	2506.68
Closing balance	1682.07	1560.21	2488.84	2506.68	2808.88
Operating ratio	0.87	0.84	0.89	0.85	0.89

The average operating ratio during the period of review is 0.87. SMC has the operating surplus to the tune of Rs.119.47 Million as the average revenue surplus. Major share of the operating surplus is utilized for the capital works as is evident from the negative status of the capital account.

The composition of revenue income and revenue expenditure is as follows.

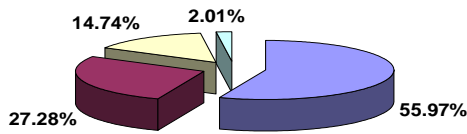
Composition of Revenue Income

Octroi & Others	55.97%
Municipal Taxes	27.28%
User Charges & Fees	14.74%
Revenue Grant	2.01%

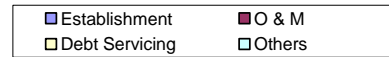
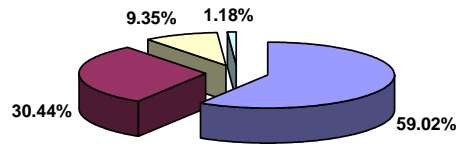
Composition of Revenue Expenditure

Establishment	59.02%
O & M	30.44%
Debt Servicing	9.35%
Others	1.18%

Composition of Revenue Income



Composition of Revenue Expenses



The operating status of the Municipal fund reflects a sound performance and a comfortable closing balance. The closing balance as on 31st March 2005 is Rs.280.88 Million. The current value of current assets and liabilities of SMC as per available records is as follows.

Summary of assets and liabilities (Rs. In Lakhs)		
Liabilities		
Non debt liabilities		
1	Refundable deposits payable	666.12
2	Employees personal securities	0.38
Total non debt liabilities		666.50
Debt liabilities		561.87
Total liabilities		1228.37
Current assets		
1	Closing /Bank balance	2808.88
2	Arrears of taxes and dues	1672.34
3	Out standing advance recoverable from the staff	628.92
Total current assets.		5110.14

10. INVESTMENT SUSTENANCE

The investment sustenance capacity of SMC is assessed based on projection of operating / revenue surplus of the municipal fund prior to investments. The projection of the revenue account of the municipal fund is carried out based on certain assumptions of revenue realization and expenditures. These assumptions are generally trend based or on revenue base and basis, collection efficiencies and revenue enhancement plans of the Municipal Corporation.

10.1. FINANCIAL OPERATING PLAN

The investment sustenance is ascertained considering projected revenue surplus available to service additional debt for capital investment, operate and maintain new assets created and revenue realizations from the new investments. Based on broad assumptions the FOP out come is as follows.

(Rs. in Crores)

Average Revenue surplus	125.60	
Indicative borrowing capacity	286.61	
Indicative sustenance capacity	2866.15	
Actual investment capacity at constant prices	1003.15	
Actual investment capacity at current prices	1198.26	
Financing pattern		
Routine capital grant	74.27	6.20%
UIDSSMT component	1078.43	90%
Loan	45.81	3.80%

Annexure

1. Prioritized Investment for Water Supply: Transmission, Storage & Distribution

Sr. No.	Project Components	Rs. In Crores
1.	Source Development / Intake Augmentation	0.00
2.	Transmission System	15.35
3.	Distribution System	43.90
4.	Elevated Service Reservoir	16.69
5.	Treatment Facilities	0.00
6.	System Refurbishment / Replacement	5.49
Total Estimate		81.43

Targeted Zone	Area, sq.kms	Existing Service Coverage, %	Planned Service Coverage, %
City Limit	32.39	90%	100%
Extended Area	145.57	20%	50%

2. Prioritized Investment for Sewerage System

Sr. No.	Project Components	Rs. In Crores
1.	UGD - Network	63.61
2.	UGD - STPs	26.95
3.	UGD – Pumping Machinery	8.62
4.	Public Convenience System	0.00
5.	River Conservation / Protection	0.00
Total Estimate		99.18

Targeted Zone	Area, sq.kms	Existing Service Coverage, %	Planned Service Coverage, %
City Limit	32.39	90%	100%
Extended Area, Region around Bijapur Road, Hotgi Road etc.	145.57	Absent	100%

3. Prioritized Investment for Storm Water Drainage

S.N.	Project Component	Rs. In Crores
1.	Upgradation of Drainage Line near Sangameshwar College	0.07
2.	Ganesh Peth Kumbhar Ves Nala	0.046
3.	Pogul Mala - Akkalkot Road	0.336
4.	Gandhi Nagar Nala	0.294
Total Estimate		0.746

4. Prioritized Investment for Solid Waste Land Fill Site

S.N.	Project Component	Rs. In Crores
1.	Composting Facilities	3.70
2.	Equipments & Machinery	1.23
3.	Infrastructure Facilities - Civil Works & others	0.62
4.	Civil Works – Land Fill	0.98
5.	Geotechnical Works – Land Fill	1.50
6.	Leachate Treatment Pond	0.10
	Total Estimate	8.13

5. Prioritized Investment for Transportation Infrastructure

S.N.	Project Components	Rs. In Crores
1.	Road stretches to be developed as per DP, 22.45 kms	105.60
2.	Widening & Improvement of National Highway Section	10.52
3.	Roads planned considering IRDP Scheme, 18.25 kms	12.50
4.	Improvements & Up gradation of Old City i.e. <i>Gaothan</i> Area	3.10
5.	New Road Development Plans as per TP Scheme	8.78
6.	Provision & Up gradation of Street Lights along the Main Roads up to New Pona Naka	5.25
7.	Other Road Structures, Underpass, Flyovers & ROBs	21.25
	Total Estimate	167.00

6. Prioritized Investment for Fire Response Infrastructure

S.N.	Service Areas	Estimate for Infrastructure Facilities
A.	Extension Areas: 1. Vijapur Road; Soregaon 2. Degaon Road 3. Bale – Pona Road 4. Shelgi Area	(a) 5000 sq.ft. Administrative cum Residential Infrastructure for each Sub-Stations in Extension Area. Total Cost Estimate: Rs. 40.0 Lakhs (10.0 Lakhs each). (b) 1 Fire Vehicle for each Newly Developed Sub-Stations. Total Cost Estimate: Rs. 80.0 Lakhs (20 Lakhs each).
B.	City Area:	(a) 8 Fire Tenders of 6000 liters capacity. Total Cost Estimate: Rs. 160.0 Lakhs (20 Lakhs each).
	Total Estimates	Rs.2.80 Crores

7. Prioritized Investment for Improvement in Crematorium / Burial Grounds

S.N.	Project Components	Rs. In Crores
1.	Kumthe Crematorium / Burial Ground Site	0.20
2.	Majrewadi (Planned) Crematorium / Burial Ground Site	0.45
3.	Modi Crematorium / Burial Ground Site	1.30
	Total Estimate	1.95

8. Prioritized Investment for Housing Infrastructure for Urban Poor

There are about 46143 Slum based House in Solapur as per census 2001. It is being proposed to develop low cost housing (25.0 sq.m Built-up Area) with common civic amenities for 25% of Slum based families. With a cost estimate of Rs. 0.80 Lacks per House, the investment for slum rehabilitation can be estimated at Rs. 92.29 cr. The proposed rehabilitation can be implemented over a period of 7 years starting from 2007.

Out of the estimated Rs. 92.29 Crores of Investment, it is being planned to implement Works costing up to Rs. 20.0 Crores on priority basis during the period 2007 – 2009.