## **Contents**

Sl.	No.	Chapter/ Description	Page No.
PAI	RT I	PROJECT BACKGROUND & SITUATION A	NALYSIS
1.		JNNURM & CDP	1-6
	1.1	The Mission	1
	1.2	Objects, Processes & Permissible Activities	2
	1.3	The Process of CDP Preparation	4
	1.4	Detailed Methodology Adopted	5
SECT		URBAN PROFILE	
2.		City Profile	7-9
	2.1	Introduction	7
	2.2	Geographic Characteristics	7
	2.3	Connectivity	7
3.		Demographic Profile	10-18
	3.1	Introduction	10
	3.2	Demographic Trends	10
	3.3	Migration Trends	14
	3.4	Social Composition	15
	3.5	Population Projections	17
	3.6	Key Issues	18
4.		Economic Base	19-25
	4.1	Introduction	19
	4.2	Employment Profile	19
	4.3	Occupational Structure & Dominant Activities	20
	4.4	Industrial Development	22
	4.5	Trade and Commerce	23
	4.6	Key Issues	24
5.		City Development and Land Use	26-35
	5.1	Introduction	26
	5.2	Morphological Development of the City	26
	5.3	Land Utilisation	30
	5.4	Review of Master Plan 2021	32
	5.5	Key Issues	34
6.		Tourism and Heritage Conservation	36-41
	6.1	Introduction	36
	6.2	Tourist and Recreational Destinations	36
	6.3	Tourist Arrivals	38
	6.4	Employment Potential	39
	6.5	Key Issues	40
SECT	ION 2	URBAN INFRASTRUCTURE	
7.		Water Supply	42-51
	7.1	Introduction	42
	7.2	Present Scenario	42
	7.3	Future Requirements	48
•	7.4	Key Issues	49
8.	0.1	Sewerage and Sanitation	52-60
	8.1	Present Scenario	52



	8.2	Future Requirements	52
	8.3	Network Coverage	57
	8.4	Sewerage Generation	57
	8.5	Treatment System	58
	8.6	Sewer Connections	59
	8.7	Key Issues	60
9.		Storm Water Drainage	61-63
	9.1	Current Situation	61
	9.2	Wastewater Management	62
	9.3	Key Issues	63
10.		Solid Waste Management	64-70
	10.1	Introduction	64
	10.2	Current Practices in SWM	64
	10.3	Key Issues	69
11.		Traffic and Transportation	71-77
	11.1	Transportation System	71
	11.2	Travel Characteristics	76
	11.3	Key Issues	77
<b>12</b> .		Street Lighting	78
	12.1	Introduction	78
	12.2	Current Situation	78
13.		<b>Environmental Aspects</b>	79
	13.1	Environmental Quality	79
SECTI	ON 3	BASIC SERVICES FOR THE URBAN POOR	
14.		Basic Services for Urban Poor	80-86
	14.1	Characteristics of Slums	81
	14.2	Status of Community Facilities	82
	14.3	Character of Slums	83
	14.4	Status of Health	84
	14.5	Slum Housing	84
	14.6	Slum Improvement Schemes	85
	14.7	Key Issues	85
SECTI	ON 4	INSTITUTIONAL AND FINANCIAL ASPECTS	
15.		Urban Governance & Institutional Framework	87-104
	15.1	Introduction	87
	15.2	Institutions for Urban Development & Service	87
		Delivery	
	15.3	Institutional Roles & Responsibilities	88
	15.4	Overlap of Roles and Accountability	102
	15.5	System Deficiencies	103
	15.6	Key Issues	104
16.		Financial Profile & Credit Worthiness	105-110
	16.1	Existing Practices	105
	16.2	Finances of MCA	107
	16.3	Finances for Water Supply and Sewerage	109
	16.4	Key Issues to Consider in the Plan	110
SECTI	ON 5	SWOT ANALYSIS AND DEVELOPMENT	
		CHALLENGES	
<b>17</b> .		SWOT Analysis into Service Delivery	111-113
	17.1	City Level	111



	17.2	Institution Level	112
	17.3	Key Issues	113
18.		<b>Critical Assessment of Development Challenges</b>	114-115
		& Resource Requirements	
	18.1	Short-term Challenges	114
	18.2	Medium term Challenges	114
	18.3	Long term Challenges	115
	18.5	Key Issues	115
PAR	TII	VISION FORMULATION AND STRATEGIES	
19.		Vision Statement	1-3
	19.1	Evolving the Vision	1
	19.2	Stakeholder Consultations	1
	19.3	Vision Statement	3
20.		Formulation of Strategies	4
	20.1	Urban Infrastructure and Governance	4
	20.1	Urban Basic Services for the Poor	4
	TIII	DEVELOPMENT PROJECTS AND PRIORITI	ES
SECT	ION I	URBAN RENEWAL	2.2
21.	21.1	Urban Renewal	2-3
	21.1	Issues and Strategies	2 3
CECT	21.2	Project Phasing and Costing	3
SEC 1 22.	TON 2	URBAN INFRASTRUCTURE	4-9
22.	22.1	Water Supply Identification of Projects	<b>4-9</b> 4
	22.1	Projects for JNNURM	5
	22.2	Project Phasing and Costing	- 3 7
23.	22.3	Sewerage and Sanitation	10-14
23.	23.1	Identification of Projects	10-14
	23.2	<u> </u>	11
	23.3	Project Phasing and Costing	12
24.	23.3	Storm Water Drainage	15-18
2 1.	24.1	Identification of Projects	15 15
	24.2	Projects for JNNURM	16
	24.3	Project Phasing and Costing	16
25.		Solid Waste Disposal	19-22
	25.1	Identification of Projects	19
	25.2	Projects for JNNURM	19
	25.3	Project Phasing and Costing	21
26.		Tourism and Heritage Conservation	23-29
	26.1	Identification of Projects	23
	26.2	Projects for JNNURM	24
	26.3	Project Phasing and Costing	28
27.		Roads and Transportation	30-34
	27.1	Identification of Projects	30
	27.2	Project Phasing and Costing	31
28.		Other Infrastructure/ Community Facilities	35-36
	28.1	Projects for JNNURM	35
	28.2	Project Phasing and Costing	35
29.		<b>Environmental Aspects</b>	35
	29.1	Projects for JNNURM	35



	29.2	Project Phasing and Costing	35
<b>SECTION 3</b>		BASIC SERVICES FOR THE URBAN POOR	
30.		Urban Basic Services	37-42
	30.1	Integrated Slum Development	37
	30.2	Housing	38
	30.3	Community Participation	39
	30.4	Project Phasing and Costing	40
SECTI	ON 4	INSTITUTIONAL AND FINANCIAL REFORMS	$\mathbf{S}$
31.		Institutional Reforms	43-46
	32.1	Introduction	43
	32.2	Mandatory Reforms at State Level	44
	32.3	Urban Governance Reforms at City Level	44
	32.4	Project Phasing and Costing	45
32.		Finance and Accounting Reforms	47-34
	33.1	Introduction	47
	33.2	Accounting Reforms	47
	33.3	Increasing the Revenue Base	48
	33.4	Water Supply Management	48
	33.5	Project Phasing and Costing	49
SECTI		FINANCIAL OPERATING PLAN AND STRATE	
33.		Financial Operating Plan and Strategy	51-67
	34.1	Analysis of Existing Situation	51
	34.2	Financial Operating Plan	51
	34.3	Forecast of Revenues	52
	34.4	Capital Investment Plan	53
	34.5	Financing Strategies	56
	34.6	Impact of FOP under Sustainable Investment	56
	54.0	Scenario	30
PART	ΓIV	ANNEXES	
1.	LIV	Consultation with Former Mayor & Corporators	1
2.		Ward wise Population Density in 2001	4
3.		List of Slum Settlements	6
4.		Tax Revenue of MCA	8
5.		Tax Revenue of MCA	10
6.		Expenditure of MCA	13
7.		Stakeholder Workshop I	15
8.		Quantification of Priorities to Projects	20
9.		Projects Proposed by JN under JNNURM	33
10.		Break-down of Costs of City Water Supply	36
11.		Sanitation and Sewerage Projects from JN	37
12.		Sewerage and Sanitation Projects from JN	39
13.		Preliminary Cost Estimates for Equipment and	41
13.		Machinery	41
14.		Roads and Transport Projects and Estimated Costs	42
15.		Financials of Allahabad Development Authority	42
13.		rmanciais of Anahavau Development Authority	40



## **List of Tables**

Sl. N	o. Description/ Title of Table	Page No.
1.	Population of Allahabad	4
2.	Decadal Growth of Population	
3.	Population Growth	
4.	Population Growth in KAVAL Cities	
5.	Classification of Wards by Population Densities	4
6.	Sex Ratio in Allahabad	5
7.	Literacy Rates in KAVAL Cities	5
8.	Migration in Allahabad	6
9.	Migration in Allahabad with Reasons for	
	Migration	
10.	Floating Population during Kumbh Mela	
11.	Projected Population for Allahabad (MC+OG)	
12.	Workers in the Allahabad City	
13.	Main Workers Classified by Category	
14.	Percentage Distribution of Workforce	
15.	Distribution of Workers by Industrial	
	Classification	
16	Land Use Break-up	
17.	Stocktaking of Land Use Scenario	
18.	Annual Tourist Arrival in Allahabad	
19.	Employment Generation	
20.	Pertinent Issues	
21.	Water Works at a Glance 2006	
22.	Total Water Production in 2003	
23.	Water Situation Analysis in 2003	
24.	Water Supply Zones in 2005	
25.	Installed Capacity of Overhead Tanks and Pump	
26	Stations Water Dawn day d Definit	
26. 27.	Water Demand and Deficit	
28.	Unaccounted Water and Net Supply Water Deficient Localities	
28. 29.	Water Demand Estimates	
30.	Operational Districts and Service Areas	
31.	Details of Gaughat Pumping Station	
32.	Carrying Capacity of Sewer Lines of Gaughat	8
3 <b>2</b> .	District	O
33.	Lukerganj Pumping Station	7
34.	Lukergani Sewers	10
35.	Kareli Pumping Station	10
36.	Details of Kareli Sewers	20
37.	Details of Alopibagh Pumping Station	
38.	Carrying Capacity of Sewer Line of Alopibagh	
	District	
39.	Details of Mumfordganj Sewage Pumping Station	
40.	Carrying Capacity of Sewer Line of Mumfordganj	
	Sub-District	



41.	Details of Naini Pumping Station	
42.	Carrying Capacity of Naini Sewer Line	
43.	Quantity of Wastewater Generation in Allahabad	
44.	Sewer Connection Ratios and Waste Generation –	
	2003	
45.	Catchment Area and Discharge of Waste Water	
46.	Pumping Capacity	
47.	Vehicles and Equipment for Secondary Collection	
48.	Distribution of Road Users Involved in Fatal RTA	
49.	Break-up of Vehicles in RTA	
50.	Distribution of RTA by Type of Road	
51.	Route Details for Bus Operation	
52.	Private Taxis and Relevant Details	
53.	Registered Vehicles in Allahabad	20
54.	Details of Streetlights	20
55.	Slum Population	
56.	Number of Reported Cases of Communicable	
30.	Diseases	
57.	Slum Improvement Schemes and Resources	
37.	Utilised	
58.	Institutions and Their Functions	
59.	Roles and Responsibilities of Various Institutions	
60.	Key Departments of MCA	
61.	Staff Composition of AVP	
62.	NGOs and Their Areas of Expertise	
63.	Team Composition for Visioning Workshop	
64.	Issues and Strategies for Urban Renewal	
65.	Urban Renewal Projects and Their Phasing	
66.	Issues and Strategies for Water Supply	
67.	Project Activities and Perceived Benefits	
68.	Phasing and Costing of Water Supply Projects	
69.	Issues and Strategies for Sewerage and Sanitation	
70.	Project Activities and Perceived Benefits	
70.	Phasing of Projects and Cost Estimates	
72.	Issues and Strategies for Storm Water Drainage	22
73.	Project Activities and Benefits	23
73. 74.	Phasing of Projects and Cost Estimates	23
7 <del>4</del> . 75.	SWM Issues and Strategies	
76.	Projects and Perceived Benefits	
70. 77.	Projects and Cost Estimates	
78.	Issues and Strategies	
78. 79.	Project Activities and Associated Benefits	
80.	Phasing and Priorities to Projects	
80. 81.	Issues and Strategies toward Projects	
82.	Project Span and Priorities	
83.	Phased Community Facilities and Estimated Costs	
83. 84.	Environmental Projects and Estimated Costs	
85.	Water Supply Projects for Slums	
85. 86.	Sanitation Projects for Slums	
80. 87.	Roads and Transport Projects	
07.	Roads and Transport Pojects	



88.	Housing Requirement and Other Details		
89.	Estimation of Costs		
90.	In-situ Slum Development and Costs		
91.	Ex-sity Slum Development and Costs	30	
92.	Phasing of E-Governance Projects and Costs	32	
93.	Towards Property Tax Reforms	33	
94.	Activities for Effective Water Supply Management	39	
95.	Total Cost of Projects for JNNURM	40	
96.	Funding Pattern for Urban Infrastructure and		
	Governance		
97.	Funding Pattern for Basic Services for Urban Poor		
98.	Assumptions for Sustainable Investment Scenario		
99.	Financial Operating Plan under Sustainable		
	Investment Scenario		
100.	Financial Operating Plan under Static Baseline		
	Scenario		



## **List of Figures**

Sl. No.	Title/ Description of Figure	Page No.
1.	Location Map of Allahabad	
2.	Municipal Wards in Allahabad	
3.	Population Growth	
4.	Population Densities	
5.	Break-up of Migration	
6.	Percentage of Migration from Rural Areas	
7.	Percentage of Migration from Urban Areas	
8.	Workers in Allahabad City	
9.	Distribution of Main & Marginal Workers Across	
	Categories	
10.	Decadal Growth in Workforce	11
11.	Sector-wise Decadal Growth of Working	11
	Population	
12.	Decadal Growth of Workforce in Secondary Sector	12
13.	Decadal Growth of Workforce in Tertiary Sector	12
14.	Urban Sprawl in 1994	
15.	Urban Sprawl in 2000	
16.	Old City of Allahabad	
17.	Distribution of Land Use in 2001	
18.	Distribution of Land Use in 2021	
19.	Comparison of Major Land Uses	
20.	Comparison of Other Land Uses	
21.	Land Use Targets Vs Achievements	
22.	Tourist Arrival in Allahabad	
23.	Tourism Map of Allahabad	
24.	Employment Generation	
25.	Water Supply Zones	
26.	Existing Sewerage Districts/ Zones & Network	
27.	Municipal Solid Waste Generation in Allahabad	
28.	Municipal Solid Waste Composition	
29.	City Road Network	
30.	Details of Streetlights	
31.	Location of Slums	
32.	Break-up of Slums	
33.	Organisation Structure of Elected Wing of MCA	
34.	Organisation Structure of MCA	
35.	Organisation Structure of ADA	
36.	Organisation Structure of JS	
37.	Organisation Structure of JN	
38.	Organisation Structure of TCP Department	
39.	Organisation Structure of PWD	
40.	Organisation Structure of AVP	
41.	Organisation Structure of SUDA	
42. 43	Organisation Structure of DUDA Trend in Revenue Receipts of MCA	
41	rrend in Kevenije Keceinis of MCA	



44.	Composition of Revenue Receipts	
45.	Trend in Revenue Expenditure	
46.	Composition of Revenue Expenditure	15
47.	Composition of Non-Salary Expenditure	16
48.	Trend in Revenue Receipts	16
49.	Trend in Capital Expenditure	17
50.	Evolving the Vision	17
51.	Proposed Water Supply Zones	
52.	Sewerage Network Schematic Plan	
53.	Drainage Schematic Plan	
54.	Tourism and Conservation	
55.	Intersection Improvement	
56.	Major Transport Proposals	
57.	Future Land Use	
58.	Conceptual Framework for Institution Building	
59.	Break-down of Costs of Various Infrastructure	
60.	Costs for Institutional and Financial Reforms	
61.	Costs for In-situ Development of Slums	18
62.	Costs for Ex-situ Development of Slums	18
63.		21
64.		25
65.		28

