5. RESEARCH METHODOLOGIES:

Following methods are to be adopted for the City Development Plan of Kanpur:

(i) City Profile and Demography
(ii) Economical Status and Land Use pattern
(iii) Basic Services for the Poor in Kanpur
(iv) Road and Transportation Planning
(v) Municipal Services
[vi] Heritage and Tourism
(vii) Environmental Management Plan
(viii) Institutional Frame Work and Reforms

Apart from these, following strategies shall be adopted for final implementation of above:

(i) A plan for inputs required from different agencies.
(ii) To collect data and to analyze the same.
(iii) To organize a workshop with Kanpur Nagar Nigam, Kanpur Development Authority, Kanpur Jal Nigam (KJN), Kanpur Jal Sansthan (KJS), Kanpur Jal Nigam, Pollution Control Board, U.P. Housing Board, District Urban Development Authority
(iv) To conduct meetings with Public Works Department (PWD), Irrigation Department and Archeology Survey of India.
(v) A comprehensive list of data to be collected from secondary sources such as demographic information, socio-economic development, location and connectivity, spatial growth and land use, growth potentials of the city, roles and responsibilities of different institutions, housing stock and housing supply, extent, quality, reliability and level of urban basic services, road transportation, slums, protected monument, urban services, institutional
(vi) To compile the arrangements, environmental aspects and financial assessment
(vii) To prepare a checklist of the following areas:
(viii) City Profile
(ix) Demography
(x) Kanpur City Economy
(xi) Urban Planning and Land Use Management
(xii) Poverty and Slums
(xiii) Roads and Transportation
(xiv) Infrastructure – Sectoral Analysis
(xv) Water Supply
(xvi) Sewerage
(xvii) Storm Water Drainage
(xviii) Solid Waste Management
(xix) Street Lighting
(xx) Housing
(xxi) Social Infrastructure i.e. Education, Medical Facilities etc.
(xxii) City Environment Status
(xxiii) Heritage and Tourism
(xxiv) Municipal Finance
(xxv) Institutional Framework
(xxvi) The data collected from secondary sources and through interactive sessions/interviews are to be analyzed to make a realistic assessment of where the city was and the direction in which it will move and its strengths and weaknesses.
(xxvii) An analysis of the Kanpur City's existing situation with respect to the followings is to be carried out to see its implications for service delivery and urban management.
(xxviii) Demography and economic activities i.e. identification of existing nature of commercial and industrial establishments,
(xxix) urban land use and transportation
(XXX) urban poverty, urban infrastructure and services (like transportation, water supply and sanitation, sewerage and solid wastes management, drains etc.)
(XXXI) Physical and environmental aspects and institutional aspects
(XXXII) The critical assessment as well as projections of population growth, infrastructure needs and resource requirements are to be carried out.
(XXXIII) Identification of Key Stake holder’s
(XXXIV) A list of officials from different departments such as Housing Board, District Urban Development Authority, Kanpur Development Authority, Kanpur Jal Nigam, Kanpur Jal Sansthan, Department of Industries, U.P. State Industrial Development Corporation, U.P. Financial Corporation, Pollution Control Board, Traffic cell, Kanpur Police etc. involved in the preparation of urban development plan is also to be drawn up to carry out detailed discussions.
(xxxv) The list of key stakeholders, who are involved in the urban service delivery, is to be collected from various government departments i.e. Kanpur Nagar Nigam and other agencies such as Kanpur Development Authority (KDA), District Urban Development Authority, District Industrial Department and Director of Industries etc.

(***vi) and compiled to prepare a final list.

(***vii) Ex-appointed Elected Representatives, trade associations, industries associations, hotel associations and builders associations

(***viii) Non-government organizations, community development societies (CDS)

(***ix) Introduction of E-Governance in Kanpur city.
‘An integrated approach for developmental planning of urban infrastructure of Kanpur’

**NEED FOR STUDY**

**LITERATURE REVIEW**

- Definition of urban form influencing factors
- Spatial & socio-eco reln.
- Functional relationship
- Visual relationship

**DEFINITION OF URBAN FORM**

- Demographic profile
- Socioeconomic profile
- Infrastructure

**DATA COLLECTION**

1. City profile and demography
2. Economical status and land use pattern
3. Basic services for the poor in Kanpur
4. Road and transportation planning
5. Municipal services
6. Heritage and tourism
7. Environmental management plan
8. Institutional framework and reforms
9. Vision and strategies

**ASSESSMENT CRITERIA**

1. City profile
2. Demography
3. Kanpur city economy
4. Urban planning and land use management
5. Poverty and slums
6. Roads and transportation
7. Infrastructure - Sectoral analysis
8. Water supply
9. Sewerage
10. Storm water drainage
11. Solid waste management
12. Street lighting
13. Housing
14. Social infrastructure i.e., education, medical facilities etc.
15. City environment status
16. Heritage and tourism
17. Municipal finance
18. Institutional framework

**DATA ANALYSIS**

**IDENTIFICATION OF ISSUES AND POTENTIALS**

**FORMULATION OF STRATEGIES**