



## PREAMBLE

During the financial year 2006-07, the NCR Planning Board initiated steps in the directions of implementing the Regional Plan-2021, which was notified during the last financial year. Preparation of Sub-Regional Plan by the constituent states is one of the most significant measures required for implementing the Regional Plan and therefore, the Board took the first initiative by organizing seminar on “Preparation of Sub-Regional Plan” with a view to chalk out concrete time-bound action plan. The Board has committed itself to bear some of the expenditure involved in preparation of sub regional plan by the participating states.

Steps were also taken towards preparation of Functional Plan on Transport, Water, Power and Drainage with the assistance of central and state government experts. In order to help the Board in preparation of Functional Plan on Transport, an important techno-economic feasibility study on “Integrated Transportation Plan for the NCR” has been commissioned with the focus on future transport demand on various existing transport corridors taking into account the traffic and travel characteristics, movement of goods, regional land use, deficiencies, issues of existing transport network, development of short-term, medium-term and long-term transport development plan etc.

The Board, through its Empowered Committee under Secretary (UD), Govt. of India which was constituted as per the recommendations of the last board meeting, has been working to promote inter-state cooperation particularly, in the transport sector with a view to achieve seamless connectivity in the NCR as a whole. Further, to promote inter-state projects and resolve issues of mutual concerns, the Board has also constituted a “High Powered Group” headed by the Member Secretary, NCRPB with Secretaries in-charge of NCR of the respective states as members.

During the 11<sup>th</sup> Plan period, Board intends to play a more effective and vital role by substantially scaling up its operations by undertaking financing of large number of infrastructural projects in the thrust areas identified in the Regional Plan-2021. Accordingly, the Working Group on Urban Development set up by the Planning Commission for the 11<sup>th</sup> Plan has recommended plan proposals of the NCRPB having total outlay of over Rs. 15000 crores, which involves loan assistance of Rs. 11000 crores to the participating State Governments and their implementing agencies by the NCRPB during 2007-12 for various infrastructure development projects.

The NCR Planning Board has taken measures to strengthen the Project Appraisal System of the Board by appointing reputed National Institutions for appraising the projects from technical and financial angle. Further, the Board also initiated action to appoint Third Party Inspection & Monitoring Agency for helping





the Board in project monitoring and administration of rebates. These measures geared towards capacity building are expected to make the Board more professional in its working.

The Board released financial assistance amounting to Rs. 416 crores during the year to the constituent states including NCT of Delhi for various on-going and new infrastructure development projects in the field of water supply, sewerage, sanitation, housing, power generation, transmission and distribution etc. The total amount of loan released grew by 14% and in the absolute terms, it was the highest loan released since inception. During the year, five new projects involving total estimated outlay of Rs.4474.32 crore with a loan component Rs. 571.56 crore were sanctioned.

The Board had raised a debt of about Rs. 899 crores from the capital market during IX Plan. The entire debt has since been repaid by the Board and there is no debt outstanding against the Board as on 31-3-2007. The loan recovery performance of the Board during the financial year under review remained creditable as there was 100% recovery of interest and principal amount outstanding and no NPA in the books of the Board.

In short, the year 2006-07 could be termed as a year of consolidating past gains with an eye on future. I am sure the measures initiated during the year will lead to fulfillment of the ultimate goal of translating the vision of the National Capital Region to develop as a region of global excellence into actual reality on the ground.

**P. D. Sudhakar**





## I. RATIONALE

The preamble of the National Capital Region Planning Board Act, 1985 provides the rationale for constituting the National Capital Region Planning Board for

- Preparation of a plan for the development of the National Capital Region; and
- Coordinating and monitoring the implementation of the said Plan; and
- Evolving harmonized policies for control of land uses and Developing infrastructure in the Region so as to avoid any haphazard development of the Region.

## II. CONSTITUTION AND MEMBERSHIP OF THE BOARD

The National Capital Region Planning Board Act came into force from 19th October, 1984.

The Board includes the following *members of the Central Council of Ministers*:

1.	Union Minister of Urban Development	Chairman
2.	Union Minister of Power	Member
3.	Union Minister of Communications and IT	Member
4.	Union Minister of Railways	Member
5.	Union Minister of Shipping, Transport & Highways	Member
6.	Union Minister of State of Housing & Urban Poverty Alleviation	Member

The Board includes the following *Chief Ministers and Lt. Governor of NCT of Delhi* as members:

7.	Lt. Governor of NCT of Delhi	Member
8.	Chief Minister of Haryana	Member
9.	Chief Minister of Rajasthan	Member
10.	Chief Minister of Uttar Pradesh	Member
11.	Chief Minister of Delhi	Member

The Board includes the following *Ministers, Chief Secretaries & Secretary, Housing & UD of UP*:





12.	Minister of Town and Country Planning, Haryana	Member
13.	Minister of Urban Development, Rajasthan	Member
14.	Minister of Urban Development, Uttar Pradesh	Member
15.	Chief Secretary of Haryana	Member
16.	Chief Secretary of Rajasthan	Member
17.	Chief Secretary of NCT of Delhi	Member
18.	Secretary Housing and Urban Development of Uttar Pradesh	Member

The Board includes the following *Senior Officers of the Government of India* as members:

19.	Secretary, Ministry of Urban Development	Member
20.	Chief Planner, TCPO	Member
21.	Member Secretary, NCR Planning Board	Member Secretary

The Co-opted Members of the Board are:

1. Chief Minister, Government of Madhya Pradesh
2. Chairman, Railway Board
3. Principal Advisor (HUD), Planning Commission
4. Secretary, Department of Industrial Policy & Promotion, M/o of Commerce & Industry, Govt. of India
5. Secretary, Ministry of Shipping, Roads Transport & Highways, Govt. of India
6. Secretary, Department of Expenditure, Ministry of Finance, Govt. of India
7. Secretary, Department of Power, Govt. of India
8. Secretary, Department of Urban Development & Housing, Govt. of Punjab
9. Secretary, Department of Urban Development & Housing, Govt. of Madhya Pradesh &
10. Vice Chairman, Delhi Development Authority

### III. FUNCTIONS

The Functions of the NCR Planning Board as per Section 7 of the NCRPB Act, 1985 are given below:

- to prepare the Regional Plan and Functional Plans, as well as to arrange for the preparation of Sub-Regional Plans and Project Plans by the constituents of the NCR;
- to coordinate the enforcement and implementation of the said Plans;
- to ensure proper and systematic programming with regard to *determination of priorities and phasing of development* in accordance with the Regional Plan; &





- *to arrange for, and oversee, the financing of selected development projects* in the NCR through Central and State Plan Funds as well as other source of revenue.

#### **IV. POWERS**

The Powers of the NCR Planning Board as per Section 8 of the NCRPB Act, 1985 are given below:

- Call for reports and information from the participating States and the Union territory with regard to preparation, enforcement and implementation of Functional Plans and Sub-regional Plans ;
- Ensure that the preparation, enforcement and implementation of Functional Plan or Sub-Regional Plan, as the case may be, is in conformity with the Regional Plan;
- Indicate the stages for the implementation of the Regional Plan ;
- Review the implementation of the Regional Plan, Functional Plan, Sub-Regional Plan and Project Plan ;
- Select and approve comprehensive projects, call for priority development and provide such assistance for the implementation of those projects as the Board may deem fit ; and
- Select, in consultation with the State Government concerned, any urban areas, outside the National Capital Region having regard to its location, population and potential for growth, which may be developed in order to achieve the objectives of the Regional Plan.

#### **V. AREA OF NCR**

The National Capital Region covers an area of 33,578 sq. kms. The four constituent Sub-Regions of NCR are given below:

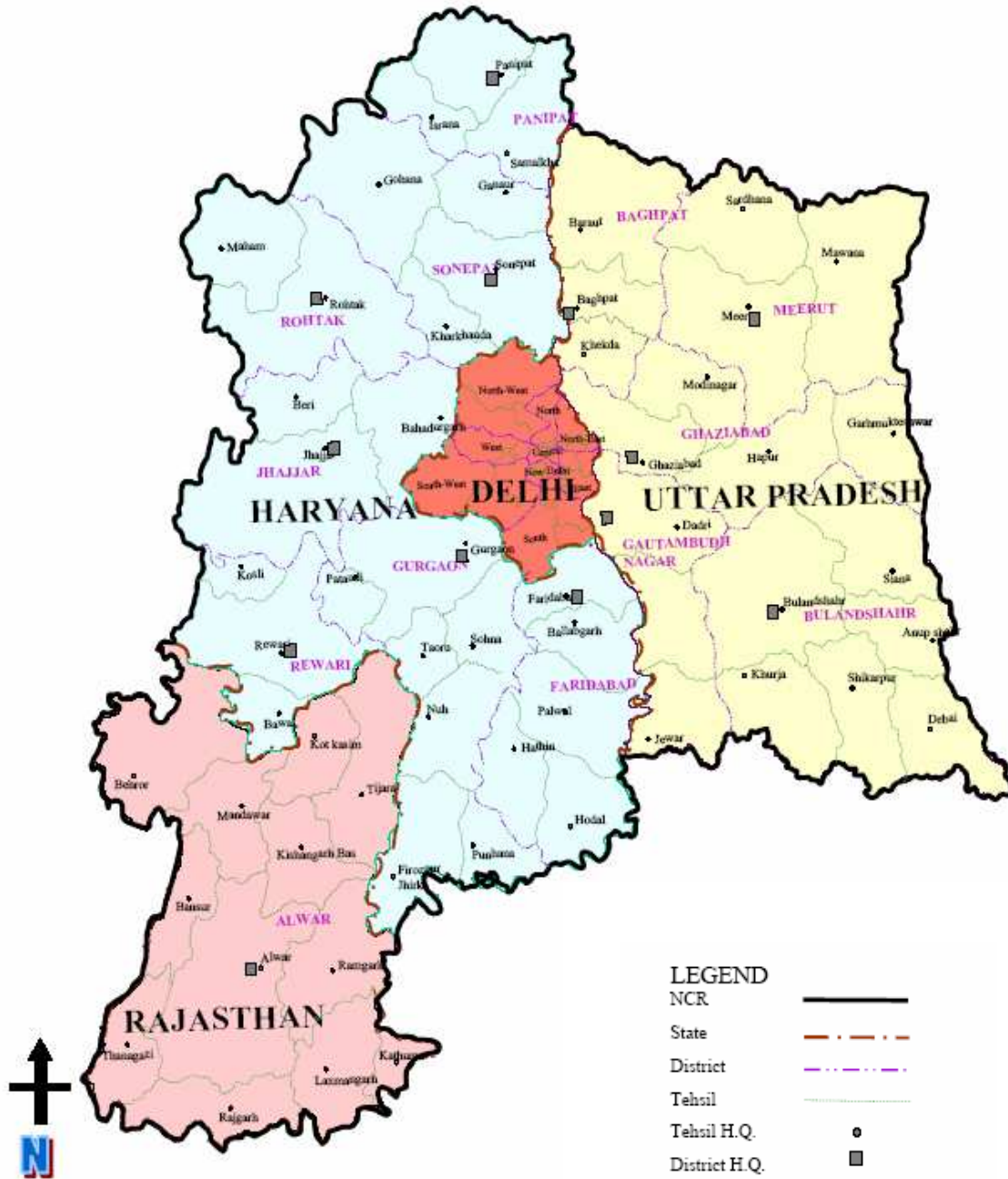
- The Haryana Sub-Region comprises of eight districts, that is, Faridabad, Gurgaon, Mewat, Rohtak, Sonapat, Rewari, Jhajjar & Panipat together constituting about 40% (13,413 sq. kms.) of the Region;
- The Uttar Pradesh Sub-Region comprises of five districts, that is, Meerut, Ghaziabad, Gautam Budha Nagar, Bulandshahr, and Baghpat together constituting about 32% ( 10,853 sq. kms.) of the Region;
- The Rajasthan Sub-Region comprises of Alwar district constituting about 23% (7,829 sq. kms.) of the Region ; &
- The NCT of Delhi constituting about 5% (1,483 sq. kms.) of the Region.

The National Capital Region occupies an area larger than the territories of the three States of Nagaland, Goa and Tripura and the two Union Territories of Chandigarh and Pondicherry taken together. A map of the National Capital Region is given on page 6.





## NATIONAL CAPITAL REGION Constituent Units





## VI. COUNTER MAGNET AREAS

The NCR Planning Board Act, 1985, under Section 8 (f), empowers the Board to select any area outside the NCR having regard to its location, population and potential for growth as a 'Counter Magnet Area' in consultation with the State Government concerned with a view to achieving the objectives of the Regional Plan.

The NCR Planning Board has identified the following five counter magnet areas:

- Hissar in Haryana
- Bareilly in Uttar Pradesh
- Kota in Rajasthan
- Patiala in Punjab
- Gwalior in Madhya Pradesh

The Counter-Magnet areas are to act:

“As interceptors of migratory flows into NCR, which may escalate, as the accelerated development of NCR would provide a pull to migrants from the less developed adjoining areas; and

As Regional Growth Centres, which would be able to achieve a balanced pattern of urbanization in the Region of their own setting over a period of time.”

The Regional Plan-2021 has continued the policy of development of Counter Magnet Areas. However, it has recommended that in order to make the counter magnet areas capable of undertaking their assigned role more effectively, their future development must be directed to cover the following aspects :

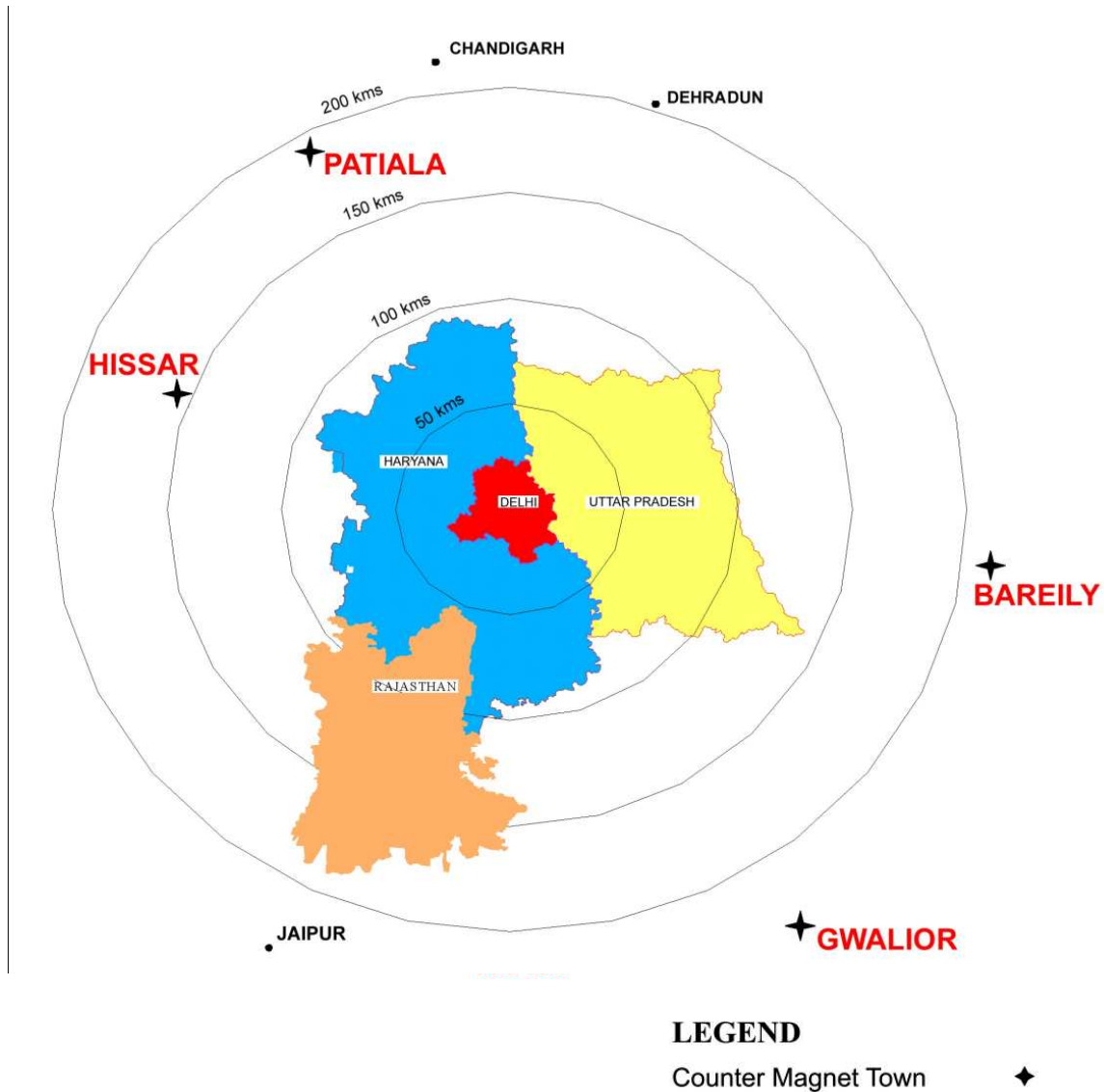
- Strengthening of their capacity to accelerate economic activity;
- Upgradation of physical and social infrastructure; &
- Strengthening of Regional linkages both with the hinterland as well as other metropolitan centres.

A map of the Counter Magnet Areas is given on page 8.





# NATIONAL CAPITAL REGION Counter Magnet Areas





## VII. THE PLANNING COMMITTEE

### CONSTITUTION

The NCR Planning Board under Section 4(1) & (2) of its Act stipulates the constitution of a Planning Committee. The Member Secretary of the Board is the ex-officio Chairman of the Planning Committee. The Members of the statutory Committee are given below :

#### Members

Member Secretary and Chairman  
 Vice-Chairman, Delhi Development Authority  
 Joint Secretary (D&L), Ministry of Urban Development, Govt. of India  
 Financial Commissioner & Principal Secretary, Town & Country Planning Deptt., Govt. of Haryana  
 Principal Secretary, Housing Deptt., Govt. of U.P.  
 Principal Secretary, Urban Development & Housing Deptt., Govt. of Rajasthan  
 Principal Secretary (PWD), Govt. of NCT-Delhi  
 Chief Planner, Town & Country Planning Organisation, Govt. of India  
 Director, Town & Country Planning Deptt, Govt of Haryana  
 Chief Town & Country Planner, Town & Country Planning Deptt., Govt. of U.P.  
 Chief Town Planner (NCR), Town & Country Planning Deptt, Govt. of Rajasthan

#### Co-opted Members

Chairman & Managing Director, Housing & Urban Development Corpn.  
 Sr. Adviser (HUD), Planning Commission  
 Joint Secretary (IA), Deptt of Environment, Ministry of Environment & Forests  
 Principal Secretary, Deptt of Housing, Govt. of Madhya Pradesh  
 Chief Engineer (Planning), Min. of Road Transport and Highways  
 Executive Director (Delhi Metro), Railway Board  
 Joint DDG (TPS), Bharat Sanchar Nigam Limited  
 Director, (OM), Ministry of Power, Govt. of India  
 Commissioner (Plg.), Delhi Development Authority  
 Secretary, Department of Housing and Urban Development, Govt. of Punjab  
 Chief Regional Planner, NCRPB.





## FUNCTIONS OF THE PLANNING COMMITTEE

The key Functions of the Planning Committee, as stipulated in Section 9 of the NCR Planning Board Act are to assist the Board:

- *To prepare and coordinate implementation of the Regional Plan & Functional Plans,*
- To scrutinize the Sub-Regional Plans and all Project Plans for *ensuring that the same are in conformity with the Regional Plan,*
- To make such recommendations as it may think necessary to amend or modify any Sub-Regional Plan or any Project Plan &
- To perform such other functions as may be entrusted to it by the Board.





## VIII. THE SALIENT FEATURES OF REGIONAL PLAN-2021

### i) The Regional Plan – 2021 – Thrust Areas

The NCR Planning Board approved the Regional Plan – 2021 in its 28th Meeting held on 9-7-2005 and the said Plan was notified on 17-9-2005 in the Gazette of India. The Regional Plan-2021 aims to promote spatially balanced development as well as accelerate the rate of economic growth in the National Capital Region. The thrust areas of the Regional Plan – 2021 are:

- Development of *Metro Centres and Regional Centres* as powerful growth nodes to attract major socio-economic activities;
- Development of *core urban infrastructure related to sectors* like power, water supply, sanitation & sewerage, drainage and transport in NCR Towns with *the NCR Planning Board participating in financing key infrastructure projects*;
- Construction of *peripheral eastern and western expressways* and an orbital rail corridor around Delhi;
- Provide *Regional transport linkages* in terms of a Regional Rapid Transit System (RRTS) and its interface with the Delhi Metro;
- *Development of the region's economy through model industrial estates and special economic zones* outside NCT-Delhi; and
- Development of Counter-Magnet Areas outside the National Capital Region.





## ii) Policy Zones

- *NCT-Delhi*
- *Central National Capital Region (CNCR)*

The notified controlled areas of the adjoining towns of Ghaziabad-Loni, Noida, Gurgaon-Manesar, Faridabad-Ballabgarh, Bahadurgarh, and Sonapat-Kundli.

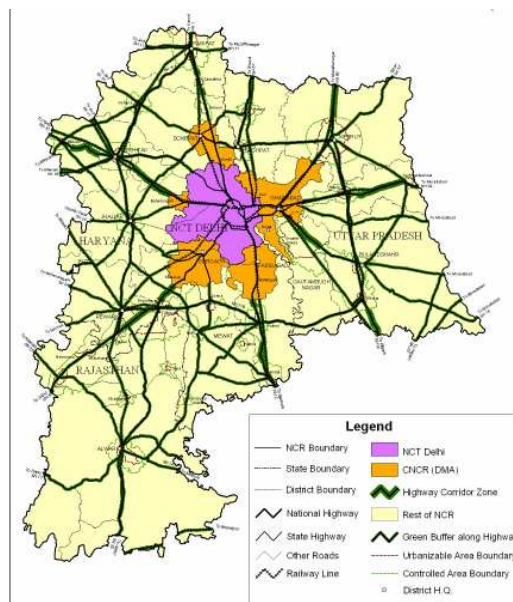
- *Highway Corridor Zone*

The controlled area comprising a minimum width of 500 metres, inclusive of green buffer, on either side of the right of way along the National Highway Nos. 1, 2, 8, 10, 24, 58 and 91 converging to Delhi.

- *Rest of NCR*

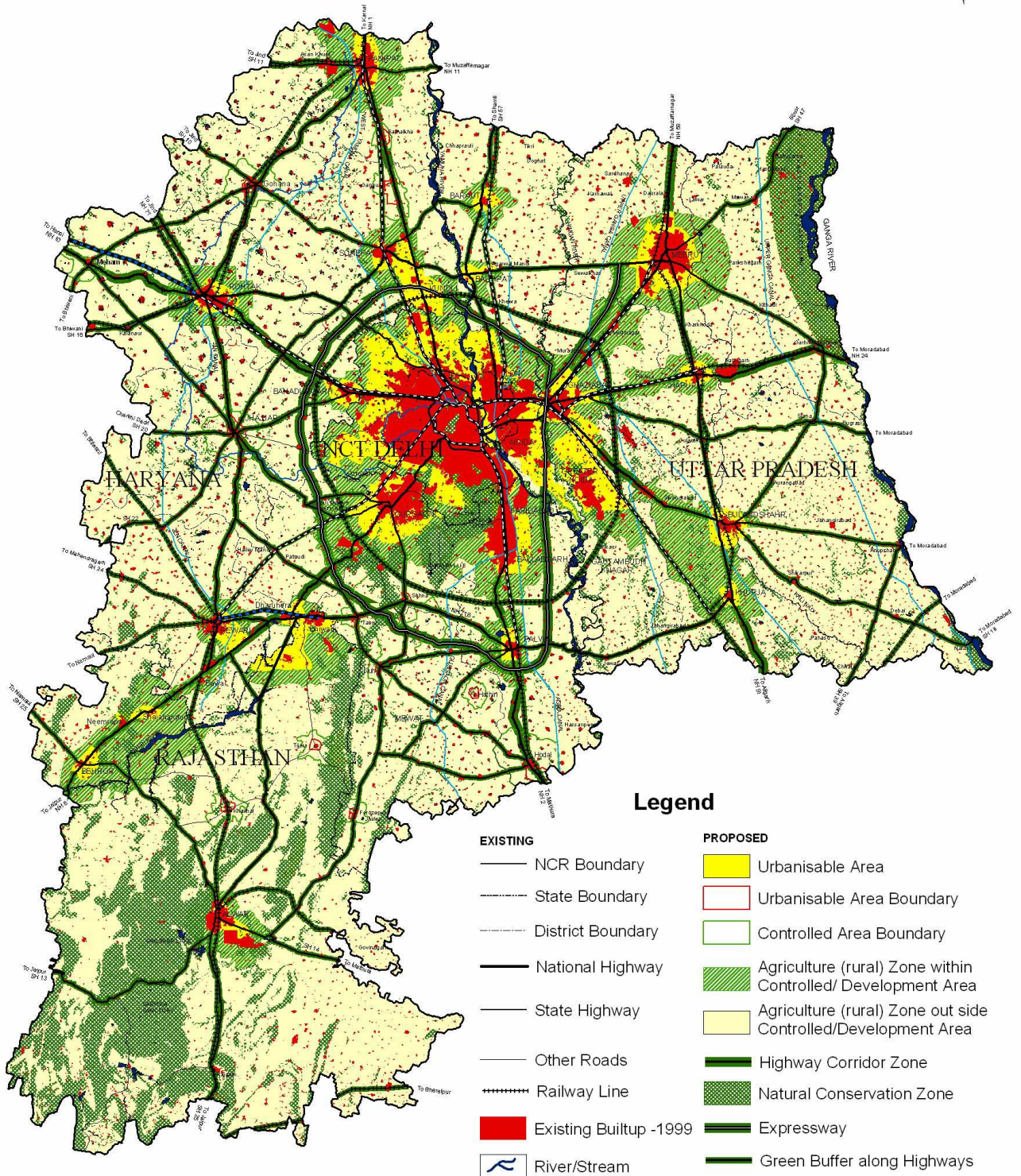
The area of the NCR outside the designated CNCR and Highway Corridor Zone, comprising both urban and rural areas.

*The considerations which will guide and regulate development within these zones basically depend on the characteristics of each zone, such as availability of resources, limitations of availability of land and basic infrastructure, comparative advantages and propensity for unplanned development etc.*





### iii) Proposed Land Use Pattern - 2021





### iii) Proposed Land Use Zones - 2021 contd.

#### **Controlled/ Regulated Zone**

This zone covers all controlled areas/development areas declared by the respective State governments from time to time. It is to be further demarcated into the following three sub-zones, the precise delineation of which will be undertaken, controlled and monitored as per their relevant Acts/Master Plans etc.

- *Urbanisable Areas (including existing built up/ urban areas)*
- *Agriculture (Rural) Zone within controlled/ development regulated areas*
- *Green buffers*

#### **Highway Corridor Zone**

The width of the Highway Corridor Zone, outside the existing controlled areas, shall be minimum 500 metres on either side of the right of way (ROW) of the highways. These zones have been envisaged to control large scale unplanned urban development along important highways in the Region, outside the controlled/ development areas of towns.

#### **Natural Conservation Zone**

This zone consists of environmentally sensitive areas such as the extension of Aravalli ridge in Rajasthan, Haryana and Delhi, forest areas, the rivers Yamuna, Ganga, and their tributaries, Kali, Hindon and Sahibi, sanctuaries, major lakes and water bodies such as Badkal lake, Suraj Kund and Damdama in Haryana Sub-region and Siliserh lake in Rajasthan Sub-region etc. Besides this, it also includes water bodies, ox-bow lakes and paleo-channels. These areas are envisaged to be conserved.

#### **Agricultural (Rural) Zone**

*(outside Controlled/ Development/ Regulated Areas)*

This zone basically covers all the remaining areas designated for primary sector production comprising farm lands, orchards and pastures etc. Cautious use of this zone is to be kept in view while undertaking any developmental activities.

*The detailed specific reservations of areas for various landuses are to be made in the Sub-Regional Plan, Master Plans/Development Plans to be prepared by each participating States, within the overall framework of the Regional Plan.*



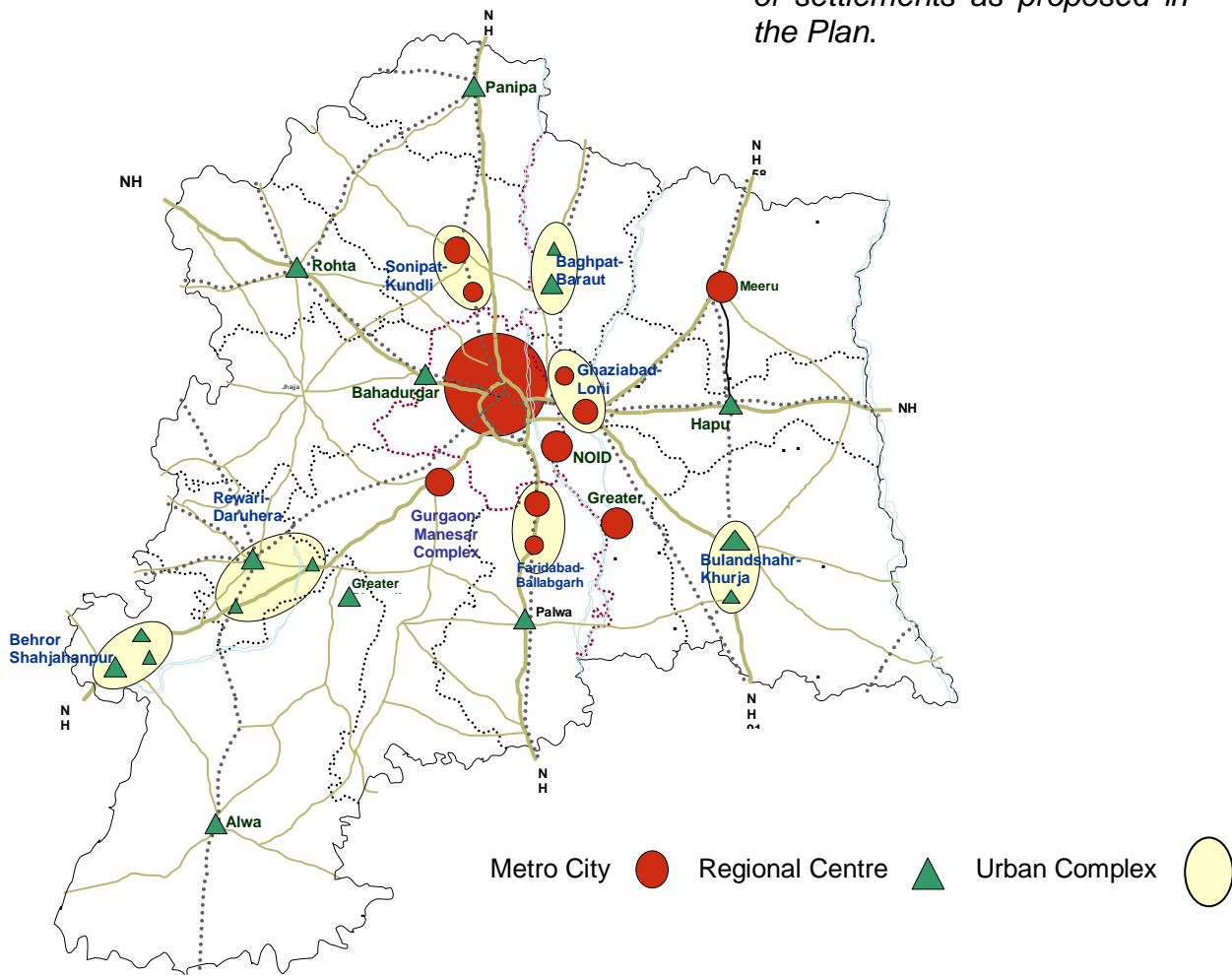


### iv) Proposed Settlement Pattern - 2021

**Six-tier hierarchical system of settlements**

Metro Centres	▶	10 lakh and above
Regional Centres	▶	3 to 10 lakh
Sub-regional Centres	▶	0.5 to 3 lakh
Service Centres	▶	10,000 to 50,000
Central Villages	▶	5,000 to 10,000
Basic Villages	▶	Below 5,000

*The strategy for the development of the settlement system is to harness the growth impulse of Delhi and to integrate the urban and rural functions in the Region. This is to be achieved through a more balanced and mutually reinforcing hierarchical system of settlements as proposed in the Plan.*





#### iv) Proposed Settlement Pattern – 2021 contd.

<b>Metro Centre/Complex</b>	<b>Population 2021 (Proposed) (lakh)</b>
Faridabad-Ballabgarh	25.00
Gurgaon-Manesar	16.50
Ghaziabad including Loni	30.19
NOIDA	12.00
Sonepat-Kundli	10.00
Greater Noida	12.00
Meerut	22.00

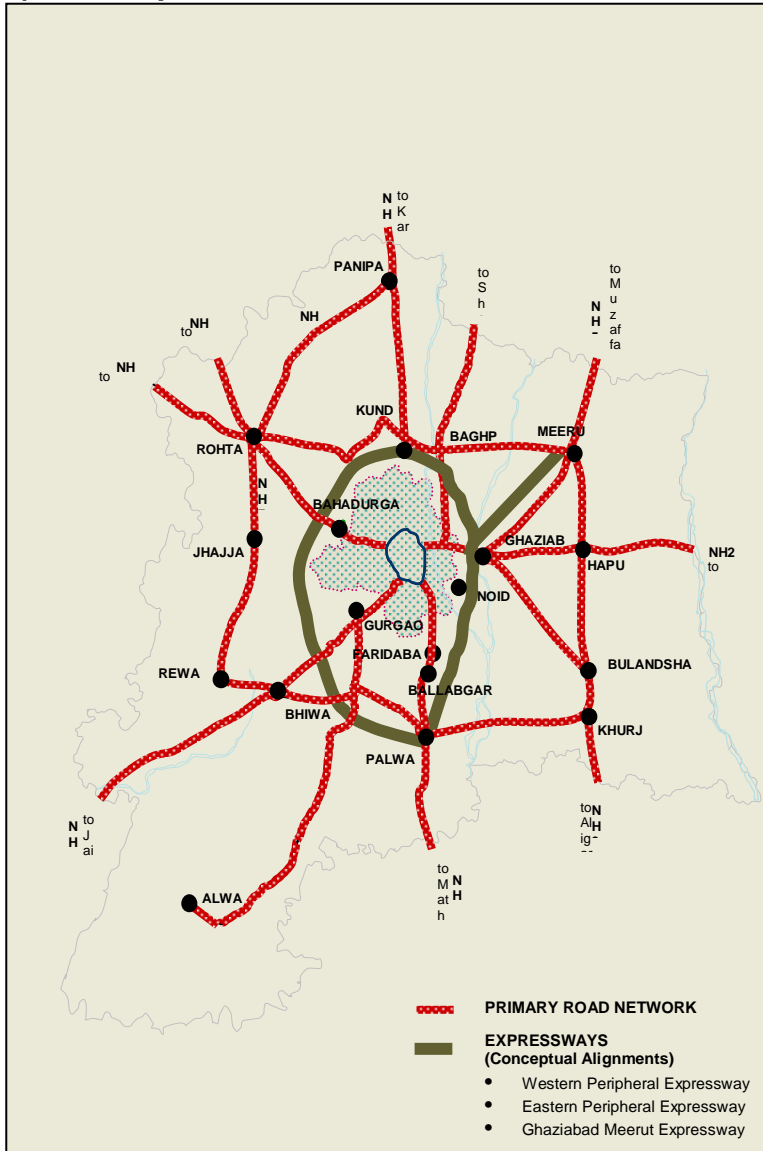
<b>Regional Centre/Complex</b>	<b>Population 2021 (Proposed) (lakh)</b>
Bahadurgarh	3.00
Panipat	7.00
Rohtak	6.00
Palwal	4.00
Rewari-Dharuhera-Bawal	4.00
Hapur-Pilkhua	4.50
Bulandshahr-Khurja	4.77
Baghpat-Baraut	3.00
Alwar	4.50
Greater Bhiwadi	3.00
Shahjahanpur- Neemrana-Behror Complex	3.00

The remaining lower hierarchy settlements, namely Sub-regional Centres, Service Centres, Central Villages and Basic Villages, are proposed to be dealt with in the respective Sub-regional Plans and District Plans of the Sub-regions.





v) Transport



Policy

- To provide linkages amongs metro/regional centres and other settlements in the outlying areas
- To connect metro/regional centres with the capital by an efficient and effective transport network for facilitating faster movement of traffic among such centres and Delhi
- To link the sub-regional centres with efficient transport network
- To directly link other urban nodes having maximum attracting and generating characteristics
- To decongest Delhi roads rail and rail terminals by diverting by-passable traffic from Delhi
- To create a Unified Metropolitan Transport Authority for NCR

Proposed Road Network

- Western Peripheral Expressway (KMP Expressway)
- Eastern Peripheral Expressway
- Ghaziabad-Meerut Expressway
- Grid Roads
  - Bhiwadi-Rewari-Jhajjar-Rohtak-Sonapat-Baghat-Meerut-Hapur-Bulandshahr-Khurja-Palwal-Bhiwadi & Rohtak-Panipat*
- Rohtak-Hansi Corridor
- National Highways 10, 71, 58, 91 and old NH-8 to be upgraded to expressway standards upto NCR border





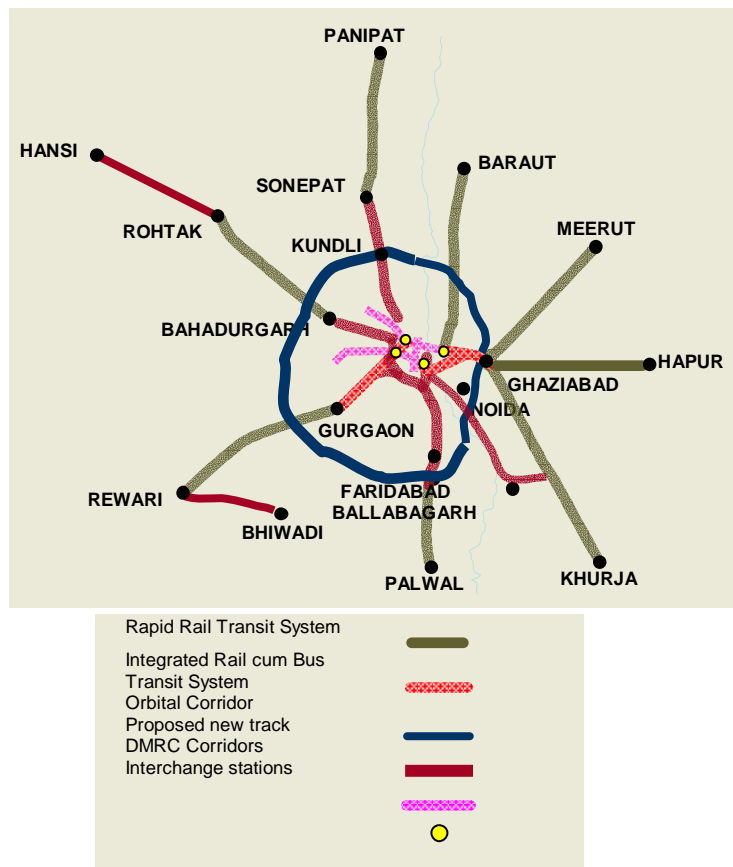
v) Transport contd.

**Proposed Rail Network**

- Rapid Rail Transit System
- Orbital Rail Corridor
- Rewari-Bhiwadi Rail Link
- Rohtak-Hansi Rail Link

**Other Transport Proposals**

- LRT/ HSTS/ HCBS for Regional Towns
- Airport





**vi) Infrastructure**

Power	Water
<ul style="list-style-type: none"> <li>• Additional 23,344 MW of power to be generated /obtained by 2021</li> <li>• State governments to arrange for power with power generation companies to make-up shortfall</li> <li>• If required, states can plan dedicated power plants in the Region for balance demand</li> <li>• Improvement in transmission and distribution. Creation of a sub-group for NCR within Northern Region Electricity Board</li> <li>• Promotion of non-conventional energy sources</li> <li>• Creation of Sub-component Plan by the Ministry of Power</li> <li>• Public-private partnership and commercial approach</li> </ul>	<ul style="list-style-type: none"> <li>• Preparation of integrated regional scheme to augment drinking water supply in the Region</li> <li>• Construction of upstream reservoirs to store excess water during monsoon for use in lean period</li> <li>• Augmentation of underground water resources through rain water harvesting</li> <li>• Protection and reservation of 2-5 percent area under water bodies</li> <li>• Water charges to cover at least O&amp;M cost</li> <li>• No intensive development in ground water shortage areas as identified by Central Ground Water Board</li> <li>• Emphasis on quality of water as per standards</li> </ul>





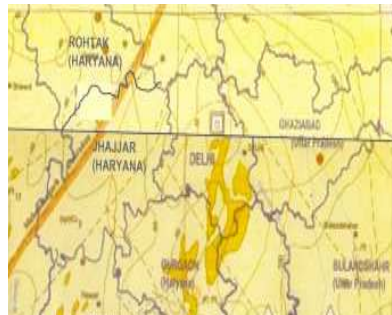
vi) Infrastructure contd.

Solid Waste	Sewerage	Drainage & Irrigation
<ul style="list-style-type: none"> <li>• Solid waste management plans for all towns</li> <li>• Land allocations in master plans/development plans for SWM</li> <li>• Emphasis on alternative technologies like composting, pelletisation and recycling</li> <li>• Not more than 50 percent of solid waste to be disposed off through sanitary landfill</li> </ul>	<ul style="list-style-type: none"> <li>• Sewerage master plans for all towns</li> <li>• 100 percent sewerage and treatment facilities in Metro and Regional Centres</li> <li>• All other towns and villages to initially have atleast low cost sanitation</li> <li>• Land allocations in master plans for such facilities</li> <li>• 50 percent of the waste water to be recycled for non drinking uses</li> <li>• Sewage cess to cover O&amp;M/ replacement cost of the system</li> </ul>	<ul style="list-style-type: none"> <li>• Integrated water resource management for the Region</li> <li>• Augmentation of water resources through rain water harvesting and recycling/ reuse of treated waste water</li> <li>• Integrated plan for regional drainage system and drainage master plans at sub-regional/ district level</li> <li>• Urban drainage system to be designed for maximum rainfall of five years frequency norm for internal / peripheral drains and 10 years for major drains</li> <li>• No dumping of sewage or solid waste in storm water drains</li> </ul>





vii) Social Infrastructure	viii) Disaster Management	ix) Shelter
<ul style="list-style-type: none"> <li>• Uniform standards for social infrastructure</li> <li>• Encouragement of private participation in social infrastructure provision</li> <li>• Provision for good quality education, medical facilities outside Delhi in NCR</li> <li>• Private and government institutions to be encouraged to set up their branches in NCR towns</li> <li>• Alternative systems of medicines to be encouraged</li> <li>• Plan for police modernization in entire NCR</li> </ul>	<ul style="list-style-type: none"> <li>• Vulnerability and risk assessment, prevention, preparedness, response and post disaster management plan for mitigation of the impact of natural hazards: earthquakes, floods, high winds and fire</li> <li>• Amendments in the respective acts, bye laws and development control regulations</li> <li>• Seismic micro-zonation for important settlements and flooding trends for major rivers to be prepared</li> <li>• Enforcement of national building code to be given priority by the participating States</li> </ul>	<ul style="list-style-type: none"> <li>• Public agencies to act as facilitators</li> <li>• Reforms for easier acquisition of land</li> <li>• Housing stock to be increased through foreign direct investment (FDI)</li> <li>• Joint approach/venture between DDA/ GNCTD with the development authorities/agencies of the towns in NCR for provision of housing</li> </ul>





## IX. THE YEAR IN RETROSPECT: 2006-07

### A. Regional Plan-2021 for NCR

The NCR Planning Board approved the Regional Plan-2021 for NCR in its 28th Meeting held on 9-7-2005 and the said Plan was notified on 17-9-2005 in the Gazette of India. The Bilingual Version was released by the Hon'ble Union Minister for Urban Development and Chairman, NCR Planning Board in the 29<sup>th</sup> meeting of the National Capital Region Planning Board held on 24<sup>th</sup> May 2006.

### B. Preparation of Sub-Regional Plan

Section 17 (1) of the NCR Planning Board Act, 1985 enjoins the participating States including the NCT of Delhi to prepare a *Sub-Regional Plan for the respective Sub-Region within that State and NCT of Delhi*.

In pursuance to the 29<sup>th</sup> Board meeting held on 24.5.2006, the Board organized a Seminar on "Preparation of Sub-regional Plan" on 29.8.2006. In this seminar, the representatives from all the three Constituent states and GNCT-Delhi participated. In the Seminar detailed procedure, guidelines and time frame for the preparation of the Sub-Regional Plan was chalked out for strict adherence by the participating States. The constituent States have initiated the action for preparation of Sub-Regional Plans.

### C. Preparation of Functional Plans:

The National Capital Region Planning Board Act, 1985 vide Section 16 provides for the preparation of Functional Plan '*as a plan prepared to elaborate one or more elements of the Regional Plan*', by the Board with the assistance of the Planning Committee, for the proper guidance of the participating states and the Union Territory.

Board has initiated action for the preparation of Functional Plans on Water, Transport, Power and Drainage as under:

In order to prepare Functional Plan on Water, the Board has commissioned a Study on 'Water Supply and its Management in NCR' which will culminate in a Functional Plan on Water. It will focus on identification of all the potential surface water sources, ground water aquifers, inter basin transfer of water, demand supply gap, leakages in the existing supply system as well as evolve a mechanism for improving the water supply scenario in the region through integrated water management.





In order to prepare the Functional Plan on Transport, a Study on “Integrated Transportation Plan for National Capital Region” has been commissioned. This will focus on future transport demand on various existing transport corridors taking into account the traffic and travel characteristics, movement of goods, regional land use, deficiencies, issues of existing transport network, development of short-term, medium-term and long-term transport development plan etc. and prepare an Integrated Multi-Modal Transportation Plan for the National Capital Region which can cater to growing transport demand at an acceptable level of service and identification of projects in the study including economical feasibility study for the said project.

With regard to preparation of Functional Plan on Power & Drainage, it is proposed to prepare these Functional Plans in-house with the help of Study Groups which would be represented by the Sr. Officers of the State Governments in the respective Sectors and Experts from outside as Members. These Study Groups have been constituted and nominations have been received from the participating States. Data Collection formats have been sent to the participating States which will work as in-puts to the Study Groups. The matter is being followed up with the Constituent states to obtain the data.

#### D. Master Plan Examination

In NCR, the number of urban settlements increased from 94 in 1981 to 108 in 2001. Of these, there are 17 Class-I cities (including Delhi Metropolis), 9 Class-II towns, 27 Class-III, 38 Class-IV, 15 Class-V and 2 Class-VI towns in 2001. There are 35 urban settlements in Haryana Sub-Region, 9 in Rajasthan Sub-Region and 63 in Uttar Pradesh Sub-Region. Outside NCT-Delhi in NCR, there are 8 Class-I urban centres in Haryana Sub-Region, one Class-I urban centre in Rajasthan Sub-Region and 7 Class-I urban centres in Uttar Pradesh Sub-Region.

**Table 1: Urban Settlements in NCR**

Urban Settlement /Sub-region	Class-I	Class-II	Class-III	Class-IV	Class-V	Class-VI	Total
	100,000 +	50,000-99,999	20,000-49,999	10,000-19,999	5,000-9,999	Below 5,000	
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
Haryana	8	0	7	13	6	1	35
Rajasthan	1	0	4	3	1	0	9
Uttar Pradesh	7	9	16	22	8	1	63
NCT-Delhi	1	0	0	0	0	0	1
<b>NCR</b>	<b>17</b>	<b>9</b>	<b>27</b>	<b>38</b>	<b>15</b>	<b>2</b>	<b>108</b>

Source: RP-2021. List of the 108 towns is annexed at Appendix -I.





In order to have planned development in NCR, Master/Development Plans for all the major urban settlements are required to be prepared by the respective participating States under the provisions of the prevailing Acts in the States. So far, 25 Master/Development Plans with the perspective year 2021 have been prepared by the constituent States and 25 are under preparation/finalization as per appendices II and III.

During the year, seven Draft Master/Development Plans were prepared by the Constituent States and referred to the NCR Planning Board for comments. These Master/Development Plans have been technically examined in the Board and comments/suggestions conveyed to the State Governments/Agencies for incorporation. The seven Draft Master/Development Plans are as under:

1. Master Plan for Delhi-2021
2. Noida Master Plan-2021
3. Greater Noida Master Plan-2021
4. Development Plan for Gurgaon-Manesar Urban Complex -2021
5. Dharuhara Development Plan-2021
6. Nuh Development Plan-2021
7. Meham Development Plan-2021

## E. Connectivity in NCR

### i) Rail Network:

One of the thrust areas of the Regional Plan-2021 is connectivity in NCR through mass commuter system. Regional Plan-2021 had proposed Regional Rapid Transit System on the basis of study conducted by Northern Railway in this regard. However, after the commissioning of Metro Rail System participating States requested the connectivity through Metro Rail for their towns. Ministry of Urban Development, Govt. of India has conveyed its consent for the development of metro corridors with five CNCR Towns of Gurgaon, Faridabad, Ghaziabad, Noida and Bahadurgarh. At present the work on Delhi-Gurgaon and Delhi-Noida Corridors is in progress by the Delhi Metro Rail Corporation.

### ii) Road Network:

**Peripheral Expressway:** Regional Plan-2021 proposed Peripheral Expressway around Delhi. This proposal is part of Functional Plan on Transport for the year 2001 and its implementation is being pursued with the Constituent States and





concerned Central Ministry. The proposal is being implemented in two parts viz. Western (Kundli-Manesar-Palwal) Peripheral Expressway (WPE) and Eastern (Kundli-Ghaziabad-Palwal) Peripheral Expressway (EPE). WPE is being implemented by Government of Haryana through Haryana State Industrial Development Corporation (HSIDC) and EPE is being implemented by National Highway Authority of India (NHAI). Ministry of Shipping, Road Transport and Highways, Govt. of India is the Nodal Ministry for implementation and monitoring of progress on this project.

**National Highways:** The road network of the National Capital Region consists of a part of National Highway-1, 2, 8, 10, 24, 58, 71, 71-A & 91 in addition to State Highways and other roads. Regional Plan-2021 has proposed up-gradation of these National Highways to Expressways standards. Department of Road Transport, Ministry of Shipping, Road Transport & Highways has initiated action in this regard.

## F. FINANCIAL RESOURCES

In pursuance of Section 22 of the NCR Planning Board Act, 1985, the “National Capital Region Planning Board Fund” was constituted by the Board with grants received from the Central Govt. and the Govt. of National Capital Territory of Delhi, loans taken by the Board, funds raised in the Capital Market and funds received from other sources. The sources of funds during the financial year 2006-07 are given below :-

- I) An amount of Rs.75 Crore was received from the Ministry of Urban Development for
  - a) providing financial assistance to the participating States/ development authorities for the implementation of both ongoing and new projects, and,
  - b) conducting surveys/ studies and preparing project plans for NCR; &
- II) An amount of Rs.27 Crore was contributed by the GNCT of Delhi to the “NCR Planning Board Fund”.
- III) In addition, a provision of Rs.47 Crore was made under IEBR for the year 2006-07. However, the total IEBR budgeted (RE) under IEBR was Rs.207 Crore,
- IV) An amount of Rs.205.31 Crore was credited into NCRPB Fund on account of repayment of principals by the borrowers viz. State Governments and their parastatals.





- V) An amount of Rs.1.90 Crore was received from the Ministry of Urban Development as grants under Non Plan head for meeting expenditure towards office expenses & salaries and allowance of employees of the Board.

During the financial year 2006-07, the budgetary support from Ministry of Urban Development, Contribution from GNCT Delhi and the actual expenditure on accrual basis of accounting are given below:-

Year	Grant from MoUD & GNCT Delhi	Actual Expenditure
Plan	Rs. 102.00 Cr.	Rs.465.57 Cr.
Non Plan	Rs.1.90 Cr.	Rs.1.9244 Cr.

The expenditure in excess of the Grants was met from the Board's own internal accruals and loan repayments.

#### G. Performance Linked Incentives

During the financial year 2006-07, the Board decided to amplify the Incentive Scheme that was approved during the financial year 2004-05 relating to performance linked incentives upto a reduction of 1.50% in interest rates. These incentives relates to:-

- Incentive of 0.10% in the form of reduction in interest rates for regular and timely drawal of loan instalments by State Governments / Implementing Agencies as per loan schedule/agreement.
- 0.15% incentive on total loan amount in the form of reduction in interest rate, on timely completion of project as per time schedule.
- 0.25% incentive in the form of reduction in interest rate, for timely payment of principal & interest amount strictly as per payment schedule.
- 0.50% incentive in the form of reduction in interest rate for the projects which are in conformity with Regional Plan-2021 & other functional Plans supplementary thereto and they get the Master Plan of the cities and / the district Plan of the area in which a given project is located has been approved by the board.





- 0.25% incentive in the form of reduction in interest rate, for project cost adherence at the completion of project.
- 0.25% incentive in the form of reduction in interest rate, for promoting high quality execution of project based on accepted norms.

## H. Market Rating

In order to meet the gap between budgetary support and actual financial requirements of the Board, an amount of Rs. 898.55 Crores had been mobilized by the Board from the capital market through taxable and taxfree bonds during the IXth Plan period. The Board repaid/ redeemed entire debt, amounting to Rs.898.55 Crores to the bondholders by exercising Call Option and there is no debt outstanding as on 31.3.2007.

On the basis of implementation of credit enhancement mechanism, regular transfer of funds towards Bond Redemption Reserve, sustained high recoveries of loan from borrowing agencies and strict limiting of borrowing levels in line with the internal accruals and grants, the Board had been securing AAA (SO) rating for the last 9 years from CRISIL. This is the highest level of rating given by CRISIL for such type of organizations.

## I. Project Finance

### Projects financed by the Board:

Under section 8 (e) of the NCRPB Act, the Board can select and approve comprehensive schemes and provide assistance for the implementation of these schemes. The Board under the provisions of the above section has been financing various projects for implementation by the agencies within the National Capital Region with the over-arching goal of achieving the balanced development of the Region. The Board has, since its inception, financed 171 projects with an estimated cost of Rs. 11340.33 crores, out of which an amount of Rs. 3901.81 crores has been sanctioned as loan. The Board has released a loan amount of Rs. 2627.51 crores till March, 2007. The sub-region wise break up including completed and ongoing projects is as below in Table 1.





**Table 1: Sub-region wise break up including completed and ongoing projects**

(Rs. in crores)

S.No.	States	No. of projects	Estimated cost	Loan sanctioned	Loan released by NCRPB
1	Rajasthan	23	337.55	160.58	130.63
		13.45%	2.98%	4.12%	4.97%
2	UP	50	1514.35	737.46	561.11
		29.24%	13.35%	18.90%	21.36%
3	Haryana	84	3940.29	1925.95	1327.02
		49.12%	34.75%	49.36%	50.50%
4	NCT-Delhi	2	520.56	310	240
		1.17%	4.59%	7.95%	9.13%
5	CMAs	12	5027.58	767.82	368.75
		7.02%	44.33%	19.68%	14.03%
	<b>Total</b>	<b>171</b>	<b>11340.33</b>	<b>3901.81</b>	<b>2627.51</b>

Among the 171 projects financed by the Board, 109 projects have been completed and 62 are at various stages of implementation as per Appendix-IV. The sector-wise and state-wise summary for projects sanctioned is as placed below in Table 2 and graphically represented in Figures 1, 2 and 3.

**Table 2: Sector wise summary of projects financed by the NCR Planning Board**

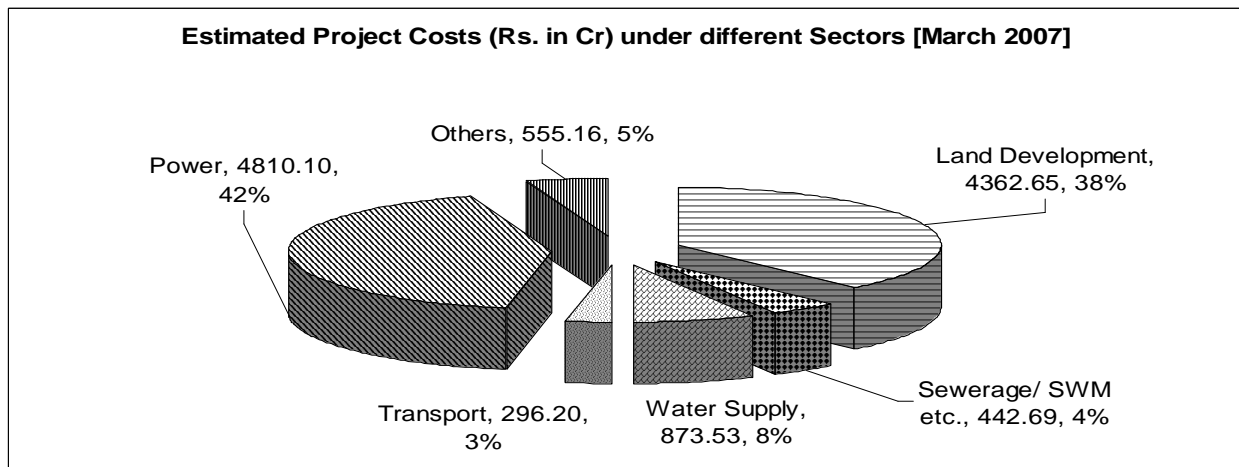
	Description	Land Development	Sewerage/ SWM etc.	Water Supply	Transport	Power	Others	Total
<b>COMPLETED</b>	Number	80	5	8	14	1	1	109
	Estimated cost (in Cr)	3009.94	12.23	148.01	183.42	16.00	2.45	3372.05
	Loan Sanctioned (Rs. In Cr.)	994.78	9.18	83.04	128.41	12.00	1.83	1229.24
	Loan Released up to March 2007 (Rs. In Cr.)	902.74	7.65	35.39	123.16	12.00	1.83	1082.77
<b>ONGOING</b>	Number	16	14	15	3	9	5	62
	Estimated cost (in Cr)	1352.70	430.46	725.52	112.78	4794.10	552.71	7968.28
	Loan Sanctioned till March 2007 (Rs. In Cr.)	546.94	268.22	544.16	79.96	899.18	334.11	2672.57





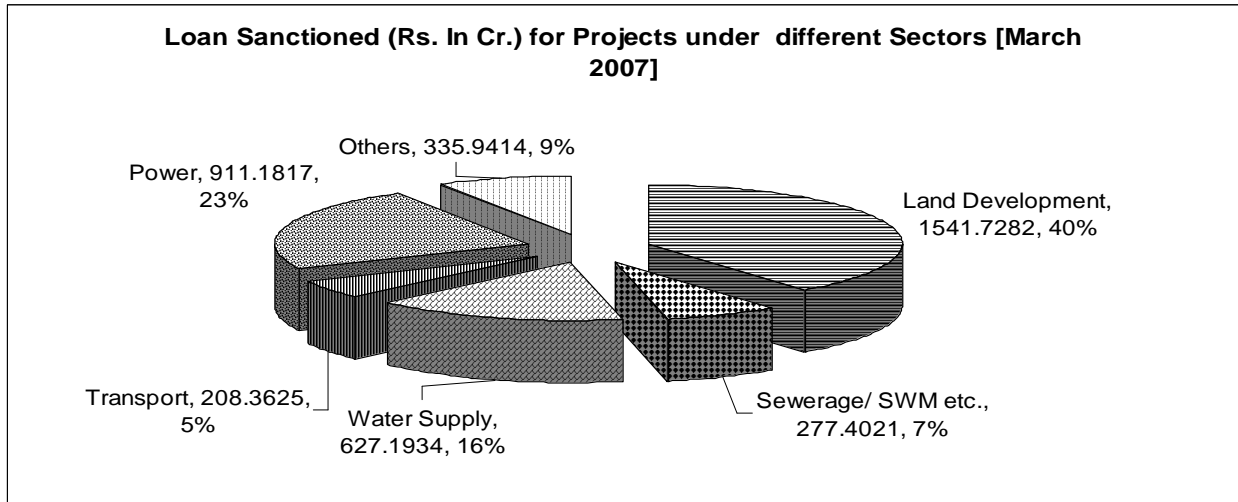
	Description	Land Development	Sewerage/ SWM etc.	Water Supply	Transport	Power	Others	Total
	Loan Released up to March 2007(Rs. In Cr.)	452.59	150.09	232.20	63.74	389.57	256.55	1544.74
<b>Total</b>	Number	96	19	23	17	10	6	171
	Estimated cost (in Cr)	4362.65	442.69	873.53	296.20	4810.10	555.16	11340.33
	Loan Sanctioned till March 2007 (Rs. In Cr.)	1541.73	277.40	627.19	208.36	911.18	335.94	3901.81
	Loan Released up to March 2007(Rs. In Cr.)	1355.33	157.74	267.59	186.90	401.57	258.38	2627.51

Figure 1

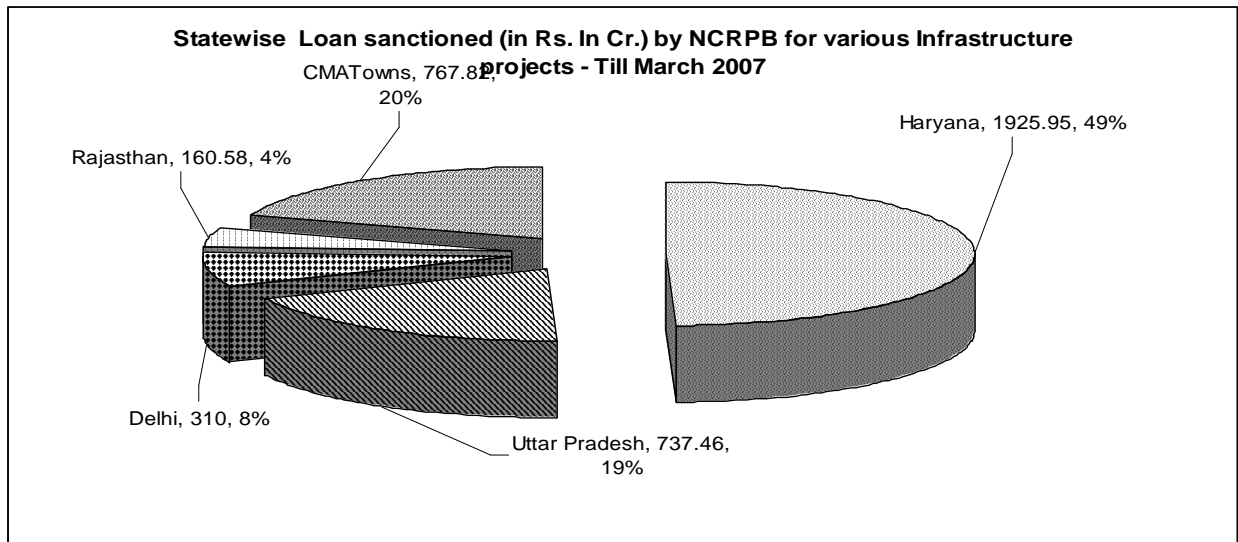




**Figure 2**



**Figure 3**



**J. Infrastructure Projects Sanctioned During the Year**

NCR Planning Board continued to provide financial assistance to the constituent States / NCT of Delhi and their implementing agencies in the form of loans upto a maximum of 75% of the estimated cost of Projects. The constituent States of NCR/ NCT of Delhi or its implementing agency contributed a minimum of 25% of the project cost as its counter-part share.

During the financial year 2006-07, two meetings of the Project Sanctioning & Monitoring Group – I (PSMG-I) were held on 18<sup>th</sup> October 2006 and on 25<sup>th</sup>





February, 2007 and loans amounting to Rs. 571.56 crore were sanctioned for five *Infrastructure Projects having total estimated outlay of Rs.4474.32 crore* as under:

(Rupees in crore)

S No.	Name of the Project/State	Implementing Agency	Estimated Cost	Total Loan sanctioned by NCRPB
1	2 x 600 MW Hisar Thermal Power Project	Haryana Power Generation Corporation Ltd. Panchkula	4258.65	500.00
2	Urban Renewal Project – Dabua Colony, Faridabad	Municipal Corporation Faridabad	38.961	9.0230
3	Urban Renewal Project – Babu Nagar, Faridabad	Municipal Corporation Faridabad	25.266	5.8525
4	Revamping of Sewerage System at Old Faridabad.	Municipal Corporation Faridabad	103.83	23.36
5	Construction of Electricity Transmission Lines and Augmentation of Electricity Transformer Capacities	Rajasthan Rajya Vidyut Prasaran Nigam Ltd.	47.6145	33.33015
			4474.32	571.5657

The salient features of the projects financed during 2006-07 are given below:

- Out of 5 Infrastructure Projects sanctioned during the 2006-07, three (3) Projects are covered under JNNURM Scheme of Govt. of India. The Board has provided financial assistance to the Municipal Corporation of Faridabad, the implementing agency for the projects, to the extent of 75% of the share of ULB in these projects.
- The HPGCL power generation project, '2 x 600 MW Hisar Thermal Power Project' with the project cost of Rs.4258 Cr. is the project with highest estimated project cost, seeking loan sanction in the history of the Board till date. The loan sanctioned for this project was Rs. 500 Cr., the highest for a project since the inception of the Board.





### K. Loan disbursements during the year

During the financial year 2006-07, an amount of Rs.416.46 crores was released to the constituent States/GNCT of Delhi and their implementing agencies for 33 development projects as per following details:

List of Projects for which Loan instalment released during 2006-			
(1.4.2006 to 31.3.2007)			
SL.NO	NAME OF THE PROJECT	IMPLEMENTING AGENCY	LOAN AMOUNT (Rs.Lakhs)
1	Construction of Civic Centre Delhi	MCD	6000
2	Development of Sewerage System & Construction of STP at Rohtak Town	PWD(PH)	663.75
2	Laying of Internal Water Distribution System in Rewari Town	PWD(PH)	78.00
4	Providing Sewerage facilities in Rewari Town	PWD(PH)	183.70
5	Augmentation and extension of sewerage scheme in Sohna	PWD(PH)	87.70
6	Augmentation of water supply in Sohna Town	PWD(PH)	73.00
7	Augmentation of Water Supply in Hodal Town	PWD(PH)	64.35
8	Providing Sewerage system for new colonies in Hodal Town	PWD(PH)	179.00
9	Augmentation of Water Supply in Palwal	PWD(PH)	302.00
10	Providing Sewerage facilities in Palwal	PWD(PH)	146.30
11	Providing Sewerage system to new colonies in Gohana	PWD(PH)	40.80
12	Providing Sewerage System & STP for Samalkha Town	PWD(PH)	121.50
13	Extension of Sewerage System in new colonies of Panipat Town	PWD(PH)	54.90





14	Augmentation of Water Supply in Rohtak Town	PWD(PH)	885.00
15	Augmentation of Rural drinking water supply in Mewat Region	PWD(PH)	4000.00
16	Reinforcement of power infrastructure in Rewari and Gurgaon	HVPLN	486.75
17	Augmentation of Drinking water supply in mewat Region	PWD(PH)	1943.00
18	Augmentation of Rural Drinking water supply for Faridabad	PWD(PH)	576.00
19	Augmentation of Rural Drinking water supply for Rohtak	PWD(PH)	677.00
20	Augmentation of Rural Drinking water supply for Jhajjar	PWD(PH)	995.00
21	Augmentation of Rural Drinking water supply for Gurgaon	PWD(PH)	374.00
22	Augmentation of Rural Drinking water supply for Rewari	PWD(PH)	587.00
23	Augmentation of Rural Drinking water supply for Panipat	PWD(PH)	485.00
24	Augmentation of Rural Drinking water supply for Sonapat	PWD(PH)	1113.00
25	2X600 MW Hissar Thermal Power Project	HPGCL	13500.00
26	Ganga Nagar resdl.scheme Bulandshahar	BKDA	868.00
27	Transport Nagar scheme Bulandshahar	BKDA	367.00
28	Kalindi Kunj resdl.scheme, Khurja	BKDA	636.00
29	Kalindi Kunj resdl.scheme, Khurja	BKDA	636.00
30	Strengthening of transmission and distribution system of Meerut circle	UPPCL	3000.00
31	Construction of Electricity Transmission Lines and Augmentation of Electricity Transformers capacity for Rajasthan Sub-region	RVPLN	665.28
32	Extension and augmentation of water supply/ sewerage and solid waste management in CMA Patiala	PDA	1416.75

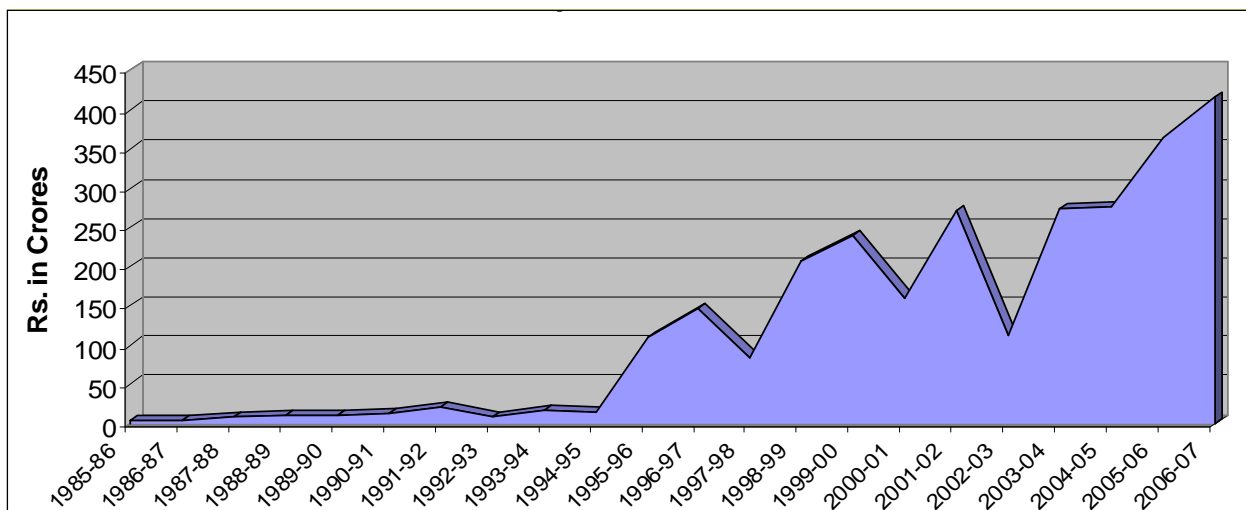




33	Augmentation of water supply and sewerage system in CMA Hissar	HUDA	440.00
	GRAND TOTAL		41645.77

- In the financial year 2006-07, loans amounting Rs. 416.46 crore were released which is 14% higher than the loan advanced in the previous financial year.
- The total loan amount disbursed during the financial year 2006-07 is the highest disbursement in a financial year since the inception of the Board. The year-wise details of loan disbursement are presented in diagrammatic form in Figure 4. Further, there is no default in payment of interest and installment of principal amount from any State Government or its implementing agencies.

**Fig. 4: Trend in Loan Disbursement by the NCR Planning Board since its inception in 1985**



#### L. Eleventh Five Year Plan (2007-12) of the Board

In order to play a more effective role with the ultimate objective of translating the vision of the National Capital Region to develop as a region of global excellence into actual reality on the ground, the NCR Planning Board needs to substantially scale up its operations by undertaking financing of large/mega infrastructural projects in the thrust areas identified in the Regional Plan-2021. Accordingly, the NCR Planning Board has identified projects involving a total outlay of about Rs. 15000 Crores and a loan component of about Rs.11000 Crores for financing





during 11<sup>th</sup> Plan in the area of 100% sewerage development, new townships, road networks, integrated water supply, Regional Rapid Transit System and in power sector for financing during 11<sup>th</sup> plan period. Some of these projects will be taken up in collaboration with other stake-holders. Accordingly, the Board has requested for the total budgetary support of Rs.2986 Crores and Internal & Extra Budgetary Resources of Rs.7567 Crores (including Rs.6850 Crores to be raised from the multi-lateral agencies/capital market) during the 11<sup>th</sup> Plan period. The Working Group on Urban Development set up by the Planning Commission for the 11<sup>th</sup> Plan has recommended the aforementioned plan proposals of the NCRPB.

Substantial financial resources would have to be arranged by the Board through higher budgetary allocations for the NCRPB and by raising funds from other sources viz. multi-lateral funding and capital market. As budgetary grant from Ministry of Urban Development and GNCTD during 11th Plan period is expected to be limited, around Rs. 150 crores p.a. i.e. Rs. 750 crores during the plan period, NCRPB will have to look for other sources of funds such as loans from multi-lateral aid agencies and/or market borrowings. The Board expects to arrange for another Rs. 1250 crores through internal accruals and repayment of loans during the 11th plan period. Thus, the Board will have to raise about Rs. 9000 crores from other sources, if it does not get enhanced budgetary support. In order to continue financing at lower interest rates, the Board proposes to raise resources outside budgetary resources through a mix of products with a view to keep cost of capital low.

## **M. New Initiatives taken by the Board**

### **1) Constitution of Empowered Committee**

In order to coordinate between the constituent states with regard to solving inter-state problems, development of large infrastructure projects, for developing innovative models of PPP, an Empowered Committee of the Board has been constituted for facilitating decisions relating to *critical activities essential for making the NCR a region of global excellence* as under:

- |  |                  |
|--|------------------|
| • Secretary, MoUD, Govt. of India,         | Chairman         |
| • Chief Secretary, Govt. of Haryana        | Member           |
| • Chief Secretary, Govt. of Rajasthan      | Member           |
| • Chief Secretary, Govt. of NCT of Delhi   | Member           |
| • Secretary, Housing Deptt., Govt. of U.P. | Member           |
| • Member Secretary, NCRPB                  | Member Secretary |





The terms of reference of the Empowered Committee are as under:

- i) Coordination amongst the constituents of the Board with regard to solving inter-state problems;
- ii) Development of large inter-state infrastructure projects;
- iii) Responding effectively to major events organized in Delhi from time to time like the Common-wealth Games 2010; &
- iv) Development innovative models for public-private partnership with the cooperation of the constituent States.

## 2) Constitution of High Powered Group

A High Powered Group to 'develop common approaches and solutions to the problems of Water Resources Management, Power, Transportation and Pollution in terms of Solid Waste Management and adoption of clean fuels in the NCR as well as modes of financing major projects' has been set-up by the Board.

The High Powered Group will have the following membership:

- |  |                  |
|--|------------------|
| • Principal Secretary (PWD), GNCT Delhi                                  | Member           |
| • Secretary, Town & Country Planning Deptt.,<br>Govt. of Haryana         | Member           |
| • Secretary, Housing Deptt., Govt. of U.P.                               | Member           |
| • Secretary, Urban Development & Housing Deptt.,<br>Govt. of Rajasthan   | Member           |
| • Joint Secretary (D&L), Ministry of Urban Development<br>Govt. of India | Member           |
| • Member Secretary, NCRPB  | Member- Convenor |

An eminent subject matter expert for each specialized field of study will be co-opted by the Group depending on the Agenda items to be discussed.

The terms of reference of the High Powered Group are given below:-

- i) Developing a common approach for solving the water and drainage problem in the region;
- ii) Examining the possibility of joint power plants set up by two or more of the constituents of the region;
- iii) Developing a consensus on regional transport issues;
- iv) Examining critical issues to solid waste management as well as adoption of clean fuels in the region.

It is expected that in High Powered Group, large inter-state infrastructure projects to be promoted with the cooperation of two or more of the constituent states will get identified and will be ready for financing during the 11<sup>th</sup> plan period.





### 3) Engagement of National Institutions for providing Project Appraisal Services

In order to strengthen project appraisal system, the Board has engaged outside professional National Institutions as consultant to the Board for appraisal of Detailed Project Reports in various infrastructure sectors. The Sector-wise consultants who are partners in rendering advice as technical and financial viability of a project are as follows:

S.No.	Infrastructure Sub-Sectors	National Institutions specializing in various Sub-Sectors
I	<b>Power Sub-Sector</b> (a) Generation (b) Transmission (c) Distribution (d) Sub-stations	<ul style="list-style-type: none"> <li>• Engineers India Ltd.</li> <li>• Water and Power Consultants.</li> </ul>
II	<b>Water Sub-Sector</b> (a) Bulk water supply (b) Water Distribution (c) Water Conservation	<ul style="list-style-type: none"> <li>• Engineers India Ltd.</li> <li>• Water and Power Consultants.</li> <li>• National Environmental Engineering Institute</li> </ul>
III	<b>Sanitation, Effluents, LCS and Solid Waste Disposal</b> (a) Sewage Treatment Plants (b) Sewage Lines (c) Storm Water Drainage (d) Low Cost Sanitation & Public Toilets (e) Effluent Treatment (f) Solid Waste disposal	<ul style="list-style-type: none"> <li>• Engineers India Ltd.</li> <li>• Water and Power Consultants.</li> <li>• National Environmental Engineering Institute</li> </ul>
IV	<b>Land development &amp; Construction of Buildings</b> (a) Land Development	<ul style="list-style-type: none"> <li>• Engineers India Ltd.</li> <li>• National Building Construction Corporation</li> </ul>





	<p>(b) Residential Buildings (c) Institutional Buildings (d) Commercial Buildings</p>	<ul style="list-style-type: none"> <li>• Building Material and Technology Promotion Council</li> <li>• Hospital Services Consultancy Corporation</li> </ul>
<b>V.</b>	<p><b>Social infrastructure dispensaries, hospitals, school and colleges. In-situ slum rehabilitation and resettlement schemes sports infrastructure</b></p> <p>(a) Development of Social Infrastructure in terms of Medical and Educational Facilities (b) Community Centres (c) Resettlement Colonies (d) In-situ Slum Rehabilitation &amp; (e) Sports Facilities</p>	<ul style="list-style-type: none"> <li>• National Building Construction Corporation</li> <li>• Building Material and Technology Promotion Council</li> <li>• Hospital Services Consultancy Corporation</li> </ul>
<b>VI</b>	<p><b>Landscaping Greens, Monuments Conservation and Tourism</b></p>	<ul style="list-style-type: none"> <li>• Engineers India Limited</li> </ul>
<b>VII</b>	<p><b>Industrial Estates and Technology Parks, IT Park, Bio Tech Park</b></p>	<ul style="list-style-type: none"> <li>• Engineers India Ltd.</li> <li>• National Building Construction Corporation</li> </ul>
<b>VIII</b>	<p><b>Transportation</b></p> <p>(a) Transport Facilities (b) Roads, RoBs, Flyovers, Bye-passes</p>	<ul style="list-style-type: none"> <li>• Engineers India Ltd.</li> <li>• Central Road Research Institute</li> </ul>





	(c) Surface Transport, Road and Rail (d) BRT, (e) Metro (f) Mono-Rail (g) LRT (h) Suburban Rail (i) Integrated Freight Complex	
<b>IX</b>	<b>Informal Sub-Sector Markets</b>	<ul style="list-style-type: none"> <li>• Engineers India Ltd.</li> <li>• National Building Construction Corporation</li> </ul>

#### 4) Strengthening of Project Implementation Monitoring System

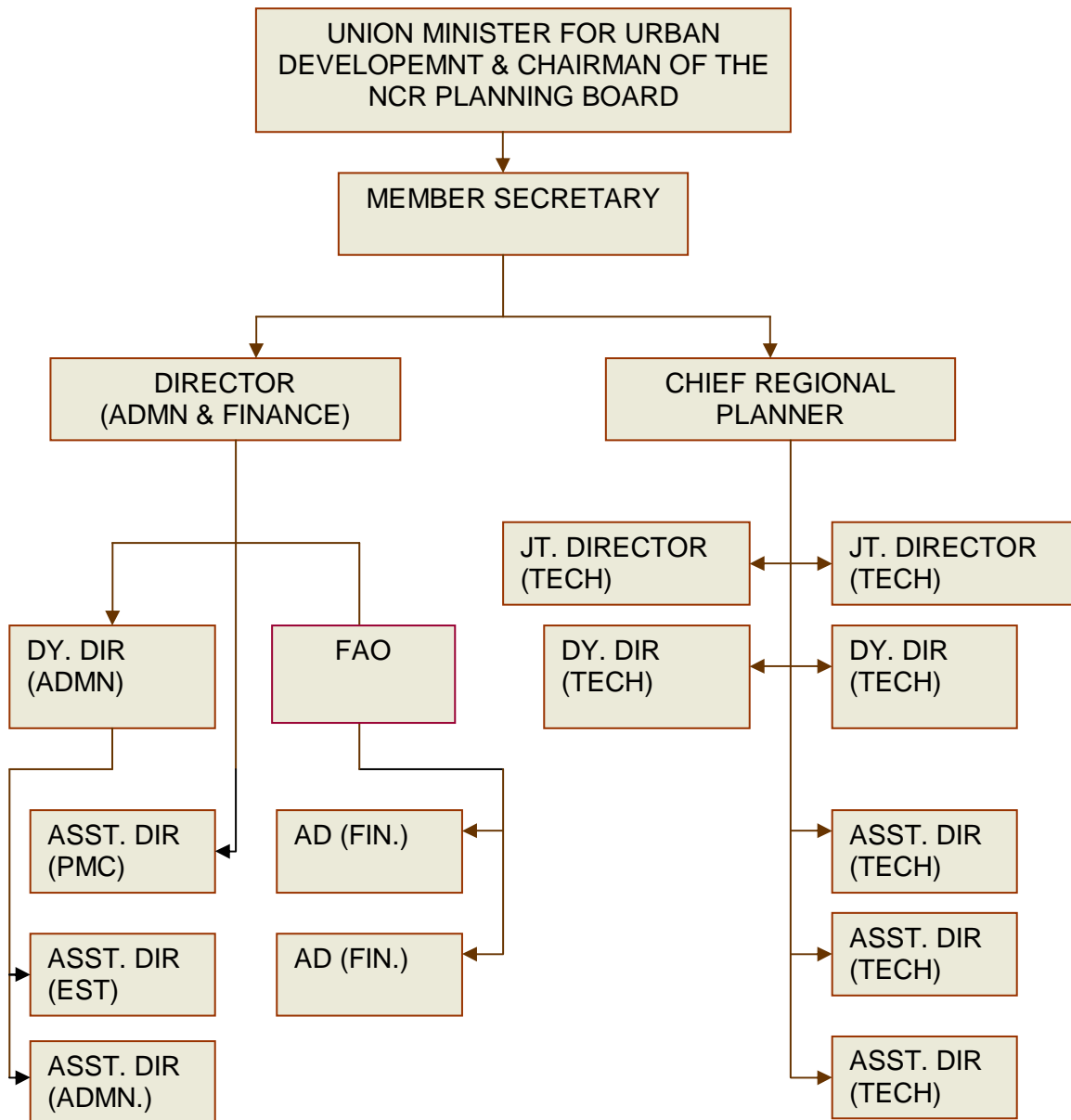
During the year, the Board has taken following steps to strengthen the Project Monitoring System with a view to ensure timely implementation of infrastructure development projects within stated cost and quality

- Introduction of a Monthly Progress Reports for all ongoing projects in addition to quarterly reports in terms of pre-defined milestones in terms of time and expenditure.
- Adoption of Third Party Inspection and Monitoring System (TPIM) at each stage/phase of implementation of the project right from sanction, release of installments to physical completion/financial closure.





## N. ORGANISATION STRUCTURE





## N. ORGANISATION STRUCTURE contd.

### Senior Officers posted at the Office of the NCR Planning Board

Sl.No	Name	Designation
1	Dr. H.S. Anand	Member Secretary
2	Shri Rajeev Malhotra	Chief Regional Planner
3	Smt. Shashi B. Shrivastava	Director (Admn.& Fin.) (Upto 19.7.2006)
4	Shri R.K. Karna	Director (Admn.& Fin.) w.e.f 6.12.2006
5	Shri J.N. Barman	Joint Director (Tech.)
6	Shri R.C. Shukla	Joint Director (Tech.)
7	Shri V.K. Thakore	Joint Director (Tech.) (Upto 1.7.2006)
8	Shri Jitendra Agrawal	Dy. Director (Admn.) w.e.f 7.9.2006
9	Shri Nabil Zafari	Dy. Director (GIS) w.e.f. 15.2.2007
10	Smt. Anjali P. Roy	Assistant Director (Tech)
11	Ms. Meenakshi Singh	Assistant Director (Tech)
12	Shri Aqeel Ahmed	Assistant Director (Tech)
13	Ms. Yamini Singh	Assistant Director (PMC) (Upto 20.10.2006)
14	Shri Abhijeet Samanta	Assistant Director (PMC) w.e.f. 30.10.2006
15	Shri Raghu Nath	Assistant Director (Estt.)
16	Shri Harsh Kalia	Assistant Director (Admn.)
17	Shri P.K. Jain	Finance & Accounts Officer w.e.f 10.1.2007
18	Shri D.K. Verma	Assistant Director (Finance)
19	Shri R.M. Pandey	Assistant Director (Finance) (Upto 5.11.2006)
20	Shri S.K. Katariya	Assistant Director (Estt.) w.e.f. 9.1.2007





Release of bilingual CD of Regional Plan-2021 by the Hon'ble Urban Development Minister and Chairman, NCRPB, Shri Jaipal Reddy during the 29<sup>th</sup> Board meeting held on 24.5.2006





The 29th Meeting of the NCR Planning Board held on 24.5.2006 was chaired by Hon'ble Minister for Urban Development, Shri S. Jaipal Reddy. The meeting was well attended by the participating States of NCR.





## Appendix – I

Sl.No.	Sub-region/ District/ City/ Town	Size Class
<b>NCT-DELHI SUB-REGION</b>		
<b>DELHI</b>		
		I
<b>HARYANA SUB-REGION</b>		
<b><u>District Panipat</u></b>		
1	Panipat	I
2	Samalkha	III
3	<i>Asankhurd</i>	V
<b><u>District Sonapat</u></b>		
4	Sonapat	I
5	Gohana	III
6	Ganaur	III
7	Kharkhoda	IV
<b><u>District Rohtak</u></b>		
8	Rohtak	I
9	Maham	IV
10	Kalanaur	IV
<b><u>District Jhajjar</u></b>		
11	Bahadurgarh	I
12	Jhajjar	III
13	Beri	IV
14	<i>Ladrawan</i>	V
15	<i>Sankhol</i>	V
<b><u>District Rewari</u></b>		
16	Rewari	I
17	Dharuhera	IV
18	Bawal	IV
19	<i>Rewari (Rural)</i>	VI
<b><u>District Gurgaon</u></b>		
20	Gurgaon	I
21	Sohna	III
22	Ferozepur Jhirka	IV
23	Taoru	IV





24	Haileymandi	IV
25	Pataudi	IV
26	Punahana	IV
27	Nuh	IV
28	Dundahera	IV
29	Farrukhnagar	V
	<b><u>District Faridabad</u></b>	
30	Faridabad	I
31	Palwal	I
32	Hodal	III
33	Hathin	IV
34	Hassanpur	V
35	<i>Tilpat</i>	V
<b>RAJASTHAN SUB-REGION</b>		
	<b><u>District Alwar</u></b>	
1	Alwar	I
2	Bhiwadi	III
3	Khairthal	III
4	Rajgarh	III
5	Behror	III
6	Tijara	IV
7	Kherli	IV
8	Govindgarh	IV
9	<i>Kishangarh</i>	V
<b>UTTAR PRADESH SUB-REGION</b>		
	<b><u>District Meerut</u></b>	
1	Meerut	I
2	Mawana	II
3	Sardhana	III
4	Kithaur	III
5	Hastinapur	III
6	Sewalkhas	IV
7	Lawar	IV
8	Parikshitgarh	IV
9	Phalauda	IV
10	Karnawal	IV
11	Kharkhoda	IV
12	Daurala	IV
13	Bahsuma	IV
14	<i>Aminagar urf Bhurbaral</i>	V





15	<i>Mohiuddinpur</i>	VI
	<b><u>District Baghpat</u></b>	
16	Baraut	II
17	Khekada	III
18	Baghpat	III
19	Chhaprauli	IV
20	Tikri	IV
21	Doghat	IV
22	Agarwal Mandi	IV
23	Aminagar Sarai	IV
	<b><u>District Ghaziabad</u></b>	
24	Ghaziabad	I
25	Hapur	I
26	Loni	I
27	Modinagar	I
28	Behta Hajipur	II
29	Muradnagar	II
30	Pilkhuwa	II
31	<i>Dharoti Khurd</i>	III
32	Garhmukteshwar	III
33	Dasna	III
34	Faridnagar	IV
35	Ordinance Factory Muradnagar	IV
36	Niwari	V
37	Patala	V
38	Babugarh	V
	<b><u>District Gautam Buddha Nagar</u></b>	
39	Noida	I
40	Dadri	II
41	Jewar	III
42	Rabupura	IV
43	Dankaur	IV
44	<i>Salarpur Khadar</i>	IV
45	Jahangirpur	V
46	Bilaspur	V
47	Kakod	V
	<b><u>District Bulandshahr</u></b>	
48	Bulandshahr	I
49	Khurja	II
50	Sikandrabad	II
51	Jahangirabad	II





52	Gulaothi	III
53	Siana	III
54	Debai	III
55	Shikarpur	III
56	Anupshahr	III
57	Naraura	III
58	Aurangabad	III
59	Pahasu	IV
60	Khanpur	IV
61	Bugrasi	IV
62	Chhatari	IV
63	Bhawan Bahadur Nagar	V
Source: Census of India 2001, Final Population Totals		





## Appendix-II

## MASTER PLANS/DEVELOPMENT PLANS 2021 NOTIFIED

Sl. No.	Name of Sub-Region / Town	Size Class of the Town
<b>NCT-DELHI SUB-REGION</b>		
1	Delhi	I
<b>UTTAR PRADESH SUB-REGION</b>		
2	Ghaziabad	I
3	Modinagar (Part of the Ghaziabad Master Plan)	I
4	Loni (Part of the Ghaziabad Master Plan)	I
5	Murad Nagar (Part of the Ghaziabad Master Plan)	II
6	Behta Hajipur (Part of the Ghaziabad Master Plan)	II
7	Dasna (Part of the Ghaziabad Master Plan)	III
8	Murad Nagar Ordnance Factory (Part of the Ghaziabad Master Plan)	IV
9	Hapur-2005	I
10	Bulandshahr	I
11	Jahangirabad	II
12	Khurja	II
13	Sikandrabad	II
14	Meerut	I
15	Daurala (Part of the Meerut Dev. Plan)	IV
<b>RAJASTHAN SUB-REGION</b>		
16	Khairthal	III
17	Tijara	IV
<b>HARYANA SUB-REGION</b>		
18	Sonepat	I
19	Panipat	I
20	Rohtak-2025	I
21	Gurgaon-Manesar	I
22	Dundahera	IV
23	Palwal	I
24	Bahadurgarh	I
25	Sankhol (Part of Bahadurgarh Dev. Plan)	V





## Appendix-III

## MASTER PLANS / DEVELOPMENT PLANS 2021 UNDER PREPARATION/FINALISATION

Sl. No.	Name of Sub-Region / Town	Size Class of the Town
<b>HARYANA SUB-REGION</b>		
1.	Samalkha	III
2.	Ganaur	III
3.	Kharkhoda	IV
4.	Meham	IV
5.	Jhajjar	III
6.	Ladrawan	V
7.	Rewari	I
8.	Rewari (Rural) (Part of the Rewari Development Plan)	VI
9.	Dharuhara	IV
10.	Bawal	IV
11.	Sohna	III
12.	Ferozpur Jhirka	IV
13.	Taoru	IV
14.	Nuh	IV
15.	Hodal	III
16.	Pataudi	V
17.	Hailey Mandi (Part of the Pataudi Development Plan)	IV
18.	Hathin	IV
<b>UP SUB-REGION</b>		
19.	Pilakhua	II
20.	Garhmuketshwar	III
21.	Greater Noida	-
22.	Noida	I
<b>RAJASTHAN SUB-REGION</b>		
23.	Greater Bhiwadi	III
24.	Shahjahanpur-Neemrana-Behror Urban Complex	-
25.	Rajgarh	III





### Status of Ongoing Projects funded by NCRPB

Appendix-IV

S.No.	Name of the Projects	Type of project	town	Implementing Agency	Estimated cost (in Cr)	Loan Sanctioned (Rs. In Cr.)	Loan Amount released (till Mar '07)
<b>Delhi Sub Region</b>							
1	Construction of MCD Office and Civic Centre, New Delhi	OTHER	Delhi	MCD	410.56	250.00	180.00
2	Establishment of Abattoir and Rendering Plant, Ghazipur	OTHER	Delhi	MCD	110.00	60.00	60.00
<b>2</b>	<b>Delhi Sub Total</b>				<b>520.56</b>	<b>310.00</b>	<b>240.00</b>
<b>Haryana Sub Region</b>							
1	Strengthening and Upgradation of Sub-transmission & Distribution Network ,Gurgaon	POWER	Gurgaon	DHBVN	40.16	30.12	25.00
2	Strengthening of sub-transmission and distribution network, Bawal, Dharuhera, Pali (Gothra), Buroli, Kosli and Rewari (District Rewari)	POWER	Rewari	DHBVN	23.05	17.29	8.64
3	Strengthening of sub-transmission and distribution network, Sohna, Nuh, Ferozpur Jhirka, Taoru, Manesar, Pataudi, Farukhnagar & Badshahpur (distt.Gurgaon)	POWER	Gurgaon	DHBVN	14.44	10.83	5.41
4	Strengthening of Municipal Fire Services in 16 Towns,Haryana	OTHER	Rohtak	HSCB	7.00	5.25	5.25
5	Shifting of Milk Dairies from municipal limits in 6 Towns, Haryana	OTHER	Rohtak	HSCB	13.07	9.80	9.80
6	Solid Waste Disposal & Repair of Roads in 16 Towns, Haryana	SEWER/ROADS	Rohtak	HSCB	56.56	42.42	21.21





S.No.	Name of the Projects	Type of project	town	Implementing Agency	Estimated cost (in Cr)	Loan Sanctioned (Rs. In Cr.)	Loan Amount released (till Mar '07)
7	Development of Industrial Estate, Ph. IV at Kundli	LDI	Kundli	HSIDC	122.29	60.37	60.37
8	Development of Industrial Zone Sector 34-35, Gurgaon, Haryana	LDI	Gurgaon	HSIDC	366.65	86.00	86.00
9	Providing water supply and sewerage for Phases II, III and IV Industrial Model Township Manesar, Gurgaon	WATER SUPPLY	Manesar	HSIDC	215.40	161.55	10.00
10	Development of Sector-44/47 (Resd.) at Faridabad	LD	Faridabad	HUDA	56.37	42.28	33.53
11	Development of Sector-2 (Resd.) at Bahadurgarh	LD	Bahadurgarh	HUDA	44.13	24.81	17.01
12	Development of Sector-62 (Residential) at Faridabad	LD	Faridabad	HUDA	65.52	47.28	39.81
13	Development of Sector-65, Faridabad	LD	Faridabad	HUDA	66.33	47.86	40.24
14	Development of Sector-27, Gurgaon	LD	Gurgaon	HUDA	23.91	16.81	12.31
15	Development of Sector-28, Gurgaon	LD	Gurgaon	HUDA	16.25	11.45	8.52
16	Construction of 200 bedded hospital in Sector-10, Gurgaon (Phase-I)	OTHER	Gurgaon	HUDA	12.08	9.06	1.50





S.No.	Name of the Projects	Type of project	town	Implementing Agency	Estimated cost (in Cr)	Loan Sanctioned (Rs. In Cr.)	Loan Amount released (till Mar '07)
17	Providing Master Sewerage Scheme for Trunk Sewer No. 4 Urban Estate, Gurgaon	SEWERAGE	Gurgaon	HUDA	24.14	18.00	4.50
18	Providing Master Water Supply Scheme of distribution main Zone-3 (Ph-III) Urban Estate, Gurgaon	WATER SUPPLY	Gurgaon	HUDA	23.80	17.85	1.50
19	Creation of power infrastructure in Gurgaon & Bahadurgh, Haryana	POWER	Bahadurgh & Gurgaon	HVPN	89.91	67.43	53.94
20	Reinforcement of Power infrastructure in Gurgaon and Rewari districts	POWER	Gurgaon & Rewari	HVPN	9.27	6.95	6.95
21	Urban Renewal Project at Deuba Colony, Faridabad	LD	Faridabad	Municipal Corporation of Faridabad (MCF)	38.96	9.02	0.00
22	Urban Renewal Project at Bapu Nagar, Faridabad	LD	Faridabad	Municipal Corporation of Faridabad (MCF)	25.27	5.85	0.00
23	Revamping of Sewerage System and Sewage Treatment Works in Faridabad, Haryana	SEWERAGE	Faridabad	Municipal Corporation of Faridabad (MCF)	103.83	23.36	0.00
24	Upgradation of Roads in the NCR - Haryana	TPT	Palwal, Nooh	PWD (B&R), Haryana	63.07	47.31	47.31
25	Development of Sewerage System and Construction of two STPs at Rohtak town.	SEWER / STP	Rohtak	PWD(PH)	44.25	33.19	6.64





S.No.	Name of the Projects	Type of project	town	Implementing Agency	Estimated cost (in Cr)	Loan Sanctioned (Rs. In Cr.)	Loan Amount released (till Mar '07)
26	Providing sewerage system and STP for Samalkha Town, Haryana	SEWER / STP	Panipat	PWD(PH)	8.10	6.08	1.22
27	Providing sewerage facilities in Palwal, Haryana	SEWER / STP	Faridabad	PWD(PH)	9.76	7.32	1.46
28	Providing sewerage system for new colonies in Hodal Town, Haryana	SEWER / STP	Faridabad	PWD(PH)	11.94	8.95	1.79
29	Augmentation and Extension of Sewerage Scheme in Sohna town, Haryana	SEWER / STP	Gurgaon	PWD(PH)	5.85	4.39	0.88
30	Providing Sewerage facilities in Rewari Town, Haryana	SEWER / STP	Rewari	PWD(PH)	12.24	9.18	1.84
31	Extension of Sewerage System in new colonies of Panipat town	SEWERAGE	Panipat	PWD(PH)	3.66	2.75	0.55
32	Providing sewerage system to new approved colonies in Gohana Town, Haryana	SEWERAGE	Sonipat	PWD(PH)	2.72	2.04	0.41
33	Augmentation of Water Supply in Rohtak, Haryana	WATER SUPPLY	Rohtak	PWD(PH)	59.00	44.25	8.85
34	Augmentation of Water Supply in Palwal, Haryana	WATER SUPPLY	Faridabad	PWD(PH)	20.15	15.11	3.02
35	Augmentation of water supply in Hodal Town	WATER SUPPLY	Faridabad	PWD(PH)	4.30	3.23	0.64
36	Laying of Internal water distribution system in Rewari town, Haryana	WATER SUPPLY	Rewari	PWD(PH)	5.21	3.91	0.78





S.No.	Name of the Projects	Type of project	town	Implementing Agency	Estimated cost (in Cr)	Loan Sanctioned (Rs. In Cr.)	Loan Amount released (till Mar '07)
37	Augmentation & Extension of Water Supply and Sewerage facilities in various towns of Haryana[ 8 projects included]	SEWER/WATER	Gurgaon	PWD(PH)	71.55	53.66	53.66
38	Augmentation of rural drinking water supply for Mewat region- Phase- I, Haryana	WATER SUPPLY	Mewat	PWD(PH)	205.91	154.43	79.43
39	Augmentation of drinking water supply for Faridabad district, Haryana	WATER SUPPLY	Faridabad	PWD(PH)	19.55	14.70	14.21
40	Augmentation of drinking water supply for Rohtak district, Haryana	WATER SUPPLY	Rohtak	PWD(PH)	21.25	15.93	15.93
41	Augmentation of drinking water supply for Jhajjar district, Haryana	WATER SUPPLY	Jhajjar	PWD(PH)	31.22	23.41	23.41
42	Augmentation of drinking water supply for Gurgaon district (Non-Mewat), Haryana	WATER SUPPLY	Gurgaon	PWD(PH)	11.72	8.80	8.80
43	Augmentation of drinking water supply for Rewari district, Haryana	WATER SUPPLY	Rewari	PWD(PH)	18.42	13.81	13.81
44	Augmentation of drinking water supply for Panipat district, Haryana	WATER SUPPLY	Panipat	PWD(PH)	25.00	18.75	15.63
45	Augmentation of drinking water supply for Sonapat district, Haryana	WATER SUPPLY	Sonapat	PWD(PH)	34.94	26.19	26.19
46	Strengthening of Transmission & Distribution Network in Rohtak Circle by Uttar Haryana Bijli Vitran Nigam Ltd.	POWER	Rohtak	UHBVN	11.11	8.33	7.57





S.No.	Name of the Projects	Type of project	town	Implementing Agency	Estimated cost (in Cr)	Loan Sanctioned (Rs. In Cr.)	Loan Amount released (till Mar '07)
<b>46</b>	<b>Haryana Sub Total</b>				<b>2159.31</b>	<b>1297.34</b>	<b>785.51</b>
	<b>Uttar Pradesh Sub Region</b>						
1	Ganga Nagar residential scheme, Bulandshahr	LD	Bulandshahr	BKDA	33.45	25.09	11.92
2	Kalindi Kunj residential scheme, Bulandshahr, UP	LD	Bulandshahr	BKDA	57.35	33.27	26.90
3	Transport Nagar Scheme, Bulandshahr, UP	TPT	Bulandshahr	BKDA	33.71	20.65	7.43
4	Ganga Nagar Residential scheme Phase III	LD	Meerut	MDA	40.46	30.18	30.18
5	Strengthening of Transmission & Distribution Network of Meerut Division by UPPCL	POWER	Meerut	UPPCL	299.89	224.89	140.40
6	Development of Integrated Indl.Township, Tronica City, Loni	LDI	Ghaziabad	UPSIDC	230.16	20.00	20.00
7	Construction of Modern Bus Station at Sahibabad (Kaushambi), Distt. Ghaziabad	TPT	Ghaziabad	UPSRTC	16.00	12.00	9.00
<b>7</b>	<b>Uttar Pradesh Sub Total</b>				<b>711.02</b>	<b>366.08</b>	<b>245.83</b>
	<b>Rajasthan Sub Region</b>						
1	Transmission Project of RVPN pertaining to the Rajasthan Sub Region of NCR.	POWER	Rajasthan Sub region	RRVPNL	47.61	33.33	<b>6.65</b>
<b>1</b>	<b>Rajasthan Sub Total</b>				<b>47.61</b>	<b>33.33</b>	<b>6.65</b>
	<b>Counter Magnet Areas</b>						





S.No.	Name of the Projects	Type of project	town	Implementing Agency	Estimated cost (in Cr)	Loan Sanctioned (Rs. In Cr.)	Loan Amount released (till Mar '07)
1	Ram Ganga Nagar residential scheme in Bareilly	LD	Bareilly	Bareilly Dev. Authority	99.37	37.00	37.00
2	Setting up of a coal based Thermal Power Project under stage I for 1200 MW (2 x 600 MW) in Hisar District, Haryana	POWER	Hissar	HPGCL	4258.65	500.00	<b>135.00</b>
3	Integrated Township Project, Patiala	LD	Patiala	PUDA	66.24	49.68	28.80
4	Extension & Augmentation of Water Supply, Sewerage & Solid Waste Mgmt, Patiala	SEWER/WATER/SWM	Patiala	PUDA	59.93	44.95	44.95
5	Augmentation & Extension of Water Supply/Sewerage Scheme in Hissar	SEWER/WATER	Hissar	PWD(PH)	15.93	11.95	11.00
6	Water Supply Scheme for Gwalior, Madhya Pradesh	WATER SUPPLY	Gwalior	SADA, Gwalior	29.65	22.24	10.00
<b>6</b>	<b>CMA Sub Total</b>				<b>4529.78</b>	<b>665.82</b>	<b>266.75</b>
	<b>Grand Total</b>				<b>7968.29</b>	<b>2672.57</b>	<b>1544.74</b>

