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**PLANNING OF  
UTTRAKHAND STATE  
AND  
DEHRADUN – METROPOLITAN CITY**

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# **UTTRAKHAND STATE**

## **1. GENERAL DESCRIPTION**

**The state was born on 9<sup>th</sup> Nov., 2000 as 27<sup>th</sup> State of the Indian Union; surrounded by:**

- Tibet in the North,**
- H.P. in the West & North West,**
- UP in the South &**
- Nepal in the East.**

**The state is Unique in terms of rivers, abundant water resources, deep valleys, glaciers, alpine meadows & high peaks.**

**It is spread on 53483 sq.km. with 8.49 M population with Rural Urban ratio of 74:26 in 2001 AD.**

**No. of Urban Settlements are:**

<b>Metropolitan City</b>	<b>One</b>
<b>Cities</b>	<b>4+16 = 20</b>
<b>Towns</b>	<b>8</b>
<b>Inhabited villages</b>	<b>15761</b>

## **2. VISION (SPECIAL FEATURES)**

- 2.1 Needs an Economic Pickup based on Natural resources;**
- 2.2 High Unemployment and Low Per Capita Income; both have to be tackled.**
- 2.3 Advantageous factors**
  - i. POWER – to be increased to 25,000 MW and then supply to some needy States specially Delhi.**

- ii. TOURISM & PILGRIMAGE**
- iii. AGRO – PROCESSING & HORTICULTURE;**  
**can be one of the very important out put.**
- iv. INFORMATION TECHNOLOGY – in each**  
**urban and rural settlement.**
- v. BIO TECHNOLOGY – with the help of**  
**RESEARCH**

## **3. LOCAL GOVERNMENT**

**One Nagar Nigam namely Dehradun;**

**31 Nagar Palika Parishad and**

**31 Nagar Panchayats.**

**Order of settlements, based on 2001 Census.**

**3.1 1<sup>st</sup> Order City – (1)Dehradun**

**3.2 2<sup>nd</sup> Order Cities – (1) Haridwar, (2) Nainital,  
(3) Pauri Garhwal & (4) Udham Singh Nagar**

### **3.3 3<sup>rd</sup> Order Cities**

**1. Narsen (201503); 2. Roorkee (187264); -----**

### **3.4 4<sup>th</sup> Order Cities / Towns**

**All these settlements have to be planned (Physically & Financially), Developed, Constructed, Managed and Maintained with proper Coordination, Integration, Evaluation and Monitoring of land uses, development authorities and departments.**

## **4. DEVELOPMENT FROM THE BOTTOM**

**4.1 First experiment in the country and if successful then would:**

- i. Control Migration from rural to urban areas;**
- ii. Many Growth Centres (with primary, secondary and tertiary activities) & Growth Points (primary and secondary activities) and Basic Villages (only primary activities) would be developed in terms of their Physical, Social, Economic & Ecological Infrastructure.**



**iii. Boost to Agro Processing, Horticulture, Floriculture and other activities concerning to Primary Sector.**

**4.2 Start the development from the backward / depressed / empty areas. Divide the entire system of Governance into following TWO DISTINCT PARTS:**

**One: Planning, Development, Construction, Management & Maintenance of Infrastructure.**

**Two: Coordination, Integration, Evaluation & Monitoring of different activities.**

**4.3 Create I.T. Parks in Growth Centres.**

## **5. CREATION OF NEW RADIO & T.V. CHANNELS**

**Reflects only the plus / good points of all the districts of Uttrakhand and then create a “News Channel” not only for the people of the State but for the Country.**

# **6. FOCAL POINTS**

## **6.1 Natural Resources**

- **Historical features like monuments etc.**
- **Natural features i.e. water or mountainous features**

## **6.2 Man made features**

- **State Secretariat,**
- **Shopping Complexes etc.**

**iii. High level Universities for Ecology, Bio-technology, Water resources & Mountain Engineering;**

**iv. Institute of Governance of Infrastructure  
(Physical, Social, Economic and Ecological)**

## **7. CONNECTIVITY**

- I. Air connection between Delhi, Dehradun and Kathogdam.**
- II. Helicopter connection between Dehradun, Chamoli and Kathgodam.**
- III. Highway connection between:  
Delhi to Roorkee, Haridwar, Dehradun and  
Delhi to Moradabad, Kathgodam.**
- IV. Railway Connections between: Delhi to Haridwar  
& Delhi to Kathgodam.**

**V. Connection of all Growth Centre with Urban Settlements.**

**VI. Connection of all Growth Points with Growth Centres.**

**VII. Connection of all basic villages with Growth Points.**

## **8. MODIFICATIONS IN ACTS & POLICIES**

- I. Development Act**
- II. Building Bye-laws and to bring sanction of building plans on Electronic System**
- III. Land Acquisition Act concerning to Quick & Emergent Acquisition**
- iv. Urban & Natural Art Commission.**
- v. Regularization of Unauthorized colonies & structures.**

## **9. CREATION OF A SINGLE AUTHORITY TO PLAN THE FOLLOWING COMPONENTS**

- i. Land uses**
- ii. Physical infrastructure (Water, Sewerage,  
Drainage, Solid Waste Management, Power)**
- iii. Circulation Infrastructure (Roads, Railways &  
Airways)**



- iv. Social Infrastructure (Health, Education, Security, Safety, Recreation, Shelter)**
- v. Ecological Infrastructure (To Stop control water, air, noise and soil pollution).**
- vi. Economic Infrastructure (To increase GDP & per capita income)**
- vii. Emergency Infrastructure (Earth quake, High floods etc.)**
- viii. Water and Mountainous Resources**

**PLANNING OF DEHRADUN**

**METROPOLITAN CITY OF 1.0 M**

**POPULATION**

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# Dehradun – 1.0 M Population by 2016

- The City would have adequate
  - (i) **Physical Infrastructure** (Water, Sewerage, SWM water drainage, Solid waste management, and Power)
  - (ii) **Social Infrastructure** (Education, Health, Security, Safety, Justice, Recreation, and Shelter)
  - (iii) **Ecological Infrastructure** (to control and stop Water, Air, Noise and Soil pollution)
  - (iv) **Economic Infrastructure** (to increase per capita income and GDP)

- (v) **Emergency Infrastructure** (Earthquake, Heavy floods etc.)
- (vi) **Aesthetics Infrastructure** (State Secretariat, Public and Semi Public buildings only on 45 M wide roads, Historical places etc.)

## **This city is the State have unparallel attributes:**

1. Nearest to Delhi other than other similar cities with natural resources.
2. It is the capital of the state.
3. It has maximum potentiality in generation of the power.
4. River Ganga & Yamuna – the two holly rivers starts from here.
5. It has maximum religious centres namely: Haridwar, Rishikesh, Uttarkashi, Badrinath, Kedarnath, Rudraprayag, Gangotri, Gaumukh, Gouri Kund.
6. It has important hill stations namely:Massooriee, Nainital & Almora

## **OBJECTIVES:**

**To improve the quality of life.**

- (i) To stop and control unauthorized construction.
- (ii) To stop & control environmental pollution.
- (iii) To make the scheme less costlier by involving beneficiaries and private sector with the help of NGO's and CHBS's.
- (iv) Ultimately the sole objective is to get the development done in time.

# PRINCIPLES OF PLANNING

Policies at national level and regional level with regard to urban land policy, resettlement of shanty (jhuggi) clusters. In / around situ development.

- a. Land use and policies of the Master Plans, zonal plan, land use as per general layout plan (if any).
- b. Norms for physical, social and economic infrastructure.

# COMPONENTS OF COMPREHENSIVE PLANNING AND INTEGRATED DEVELOPMENT

- (i) Residential, commercial, institutional, public and semipublic buildings.
- (ii) Circulation via roads and railways and helicopters.
- (iii) Mix of income groups i.e. EWS, LIG, MIG, HIG and Elite.
- (iv) Physical infrastructure, namely water, sewerage, drainage, power and SWM.
- (v) Social infrastructure; Education, Health, Security, justice, Recreation & Shelter.
- (vi) Economic infrastructure, i.e. employment centres in commercial & industrial estates.



- (vii) Landscape plan of all open areas.
- (viii) Creation of NGO's and CHBS's.
- (ix) Phasing of the project.
- (x) Coordination, integration, evaluation and monitoring of various departments & subjects.

# STREET FURNITURE

(i) **Electrical & Electronic equipments;** Poles, Street lights, Disks, Sub stations, hanging wires.

(ii) **Roads, Streets and informal trade;**

Tree plantations, Landscaping, Tree guards, Guide Maps, Paintings of Roads, Sitting Benches, Speed Breakers, Paving of Footpaths, Services (Water, Sewerage, Drainage & Electrical Cables) inducts or at proper places .

Weekly Markets, Shops on Footpath, Garages, etc.

Subways below the ground and above the ground.

(iii) Bus Q. Shelter along with Information Booths, Terminal, Depots with Commercial Components.

(iv) Hoarding at Various Places.

**(v) Parking;**

Trucks, Cars, Scooters / Motorcycles & Bicycles; Parking on Surface; Below the Buildings, Roads, Green Areas, School Playgrounds, Multilevel.

(vi) Dustbins, dhalaos, garbage depots.

(vii) Milk bars and Milk Booths.

(viii) Covering of large storm water drains (nallahs), design of railings along them.

(ix) Overhead & underground water tanks.