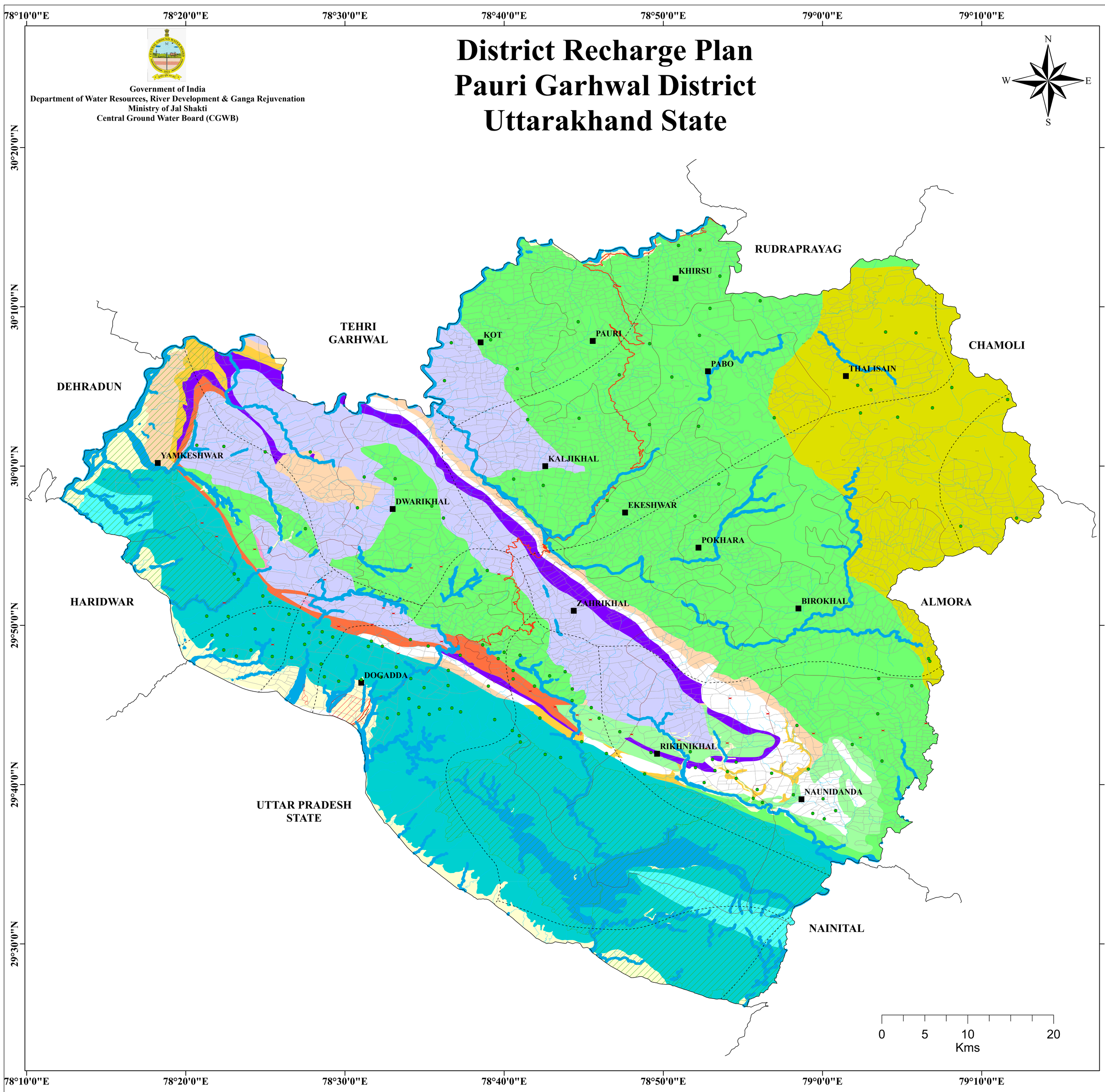
Government of India
Department of Water Resources, River Development & Ganga Rejuvenation
Ministry of Jal Shakti
Central Ground Water Board (CGWB)

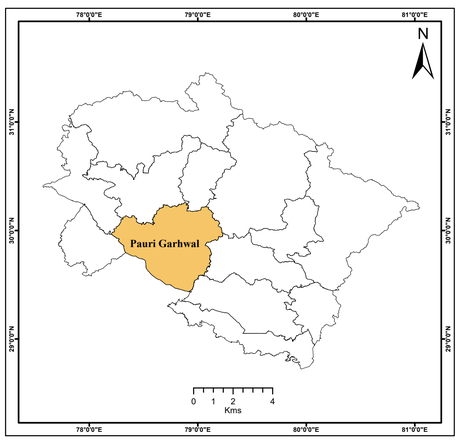
District Recharge Plan
Pauri Garhwal District
Uttarakhand State



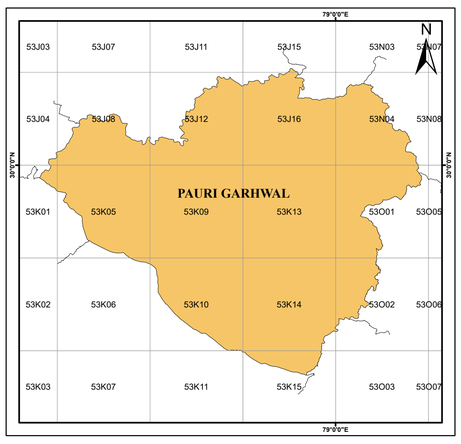
Index

- Associated Boundary
- District Boundary
- Block Headquater
- Block Boundary
- Watershed Boundary
- Preserved Boundary
- River/Dam
- Waterbody
- Drainage
- Major Road
- Village Boundary
- Railway

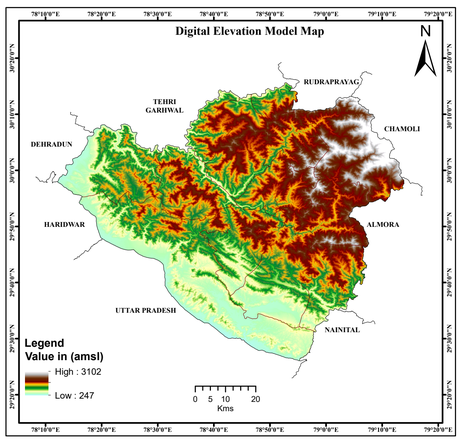
Index Map Of Uttarakhand State



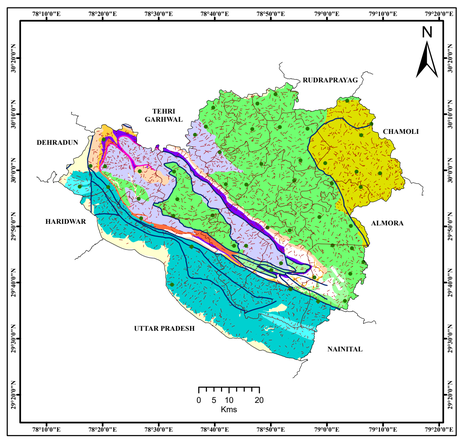
SOI Toposheet Index



Digital Elevation Model



Hydrogeomorphic Map



General Features

Geographical Area (Sq.km)	5230
Blocks (Nos.)	15
Gram Panchayaths	1212
Urban Habitat (Nos.)	6
Normal Annual Rainfall (mm)	1481
Area Suitable for AR (Sq.km)	1308
Subsurface Storage Potential (MCM)	392
Source Water Requirement (MCM)	522
Surplus Runoff Available (MCM)	3271

Artificial Recharge Structures

Gully Plug/ Gabion		69
Percolation Pit/ Recharge Pit		146
Check dam		31
Urban area	Roof Top Rain Water Harvesting Structures	
	All Govt Buildings and houses with Roof Area >200 sq.km.	

Contour Trenching and Recharge Pit may be Constructed throughout the district wherever feasable.

Principal Aquifers

Index	Principal Aquifer
	Alluvial-Gravel Dominant
	Coarse Sandstone/Pebble Bed Conglomerate
	Limestone Dolomite with Shale
	Limestone With Shale
	Limestone/Dolomite with Shale
	Mica Sachist with Phyllite,Quartzite&Gneiss
	Phyllite, Slate Sandstone & Quartzite
	Quartzite with Limestone
	Slate with Calcareous Bands
	Sandstone with shale/Clay
	Shale limestone&Sandstone
	Shaly Slate with Sibstone & Limestone,Tillodu/Boulder Bed & Quartzite
	Undiff. Meta Sedimentaries

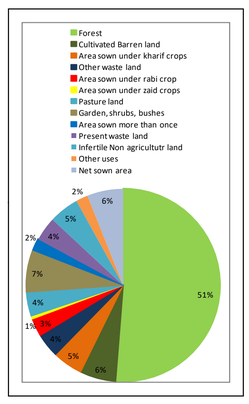
Ground Water Scenario

Decadal Average Depth To Water Level (Pre-monsoon) mbgl	
Min	53.07
Max	96.91
Major Range	74.12
Decadal Average Depth To Water Level (Post-monsoon) mbgl	
Min	49.86
Max	94.85
Major Range	66.83

Ground Water Quality

Sl.No.	Water Quality Parameter	Permissible Limits	Obtained Value
1	TDS(mg/l)	<2000	_
2	Fluoride(mg/l)	<1.0	BDL
3	Nitrate (mg/l)	<45	BDL-21
4	Total Hardness(mg/l)	<200	205-265
5	Cholride(mg/l)	<250	07-21.00
6	Potassium(mg/l)	NA	2.0-1.0
7	Magnesium(mg/l)	<30	012-014
8	Calcium(mg/l)	<75	9.6-11

Land Utilization (%)



Salient Features

Major Geomorphic Landforms	Mountainous terrain with rugged topography underlain by sub- himalya, alluvial plains, peidmont plains
Major Issues	Declining water level, Deeper water levels and acute shortage of drinking watein parts of Dwarikhal, Gumkhal, Lansdowne area and in pauri township.
Cropping Pattern(%)	Rabi 3%, Kharif 6%,& jaid 0.0095

** Locations of the proposed artificial recharge structures shown on the map are indicative and require field verification & ensuring pollution free water for recharge.*

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