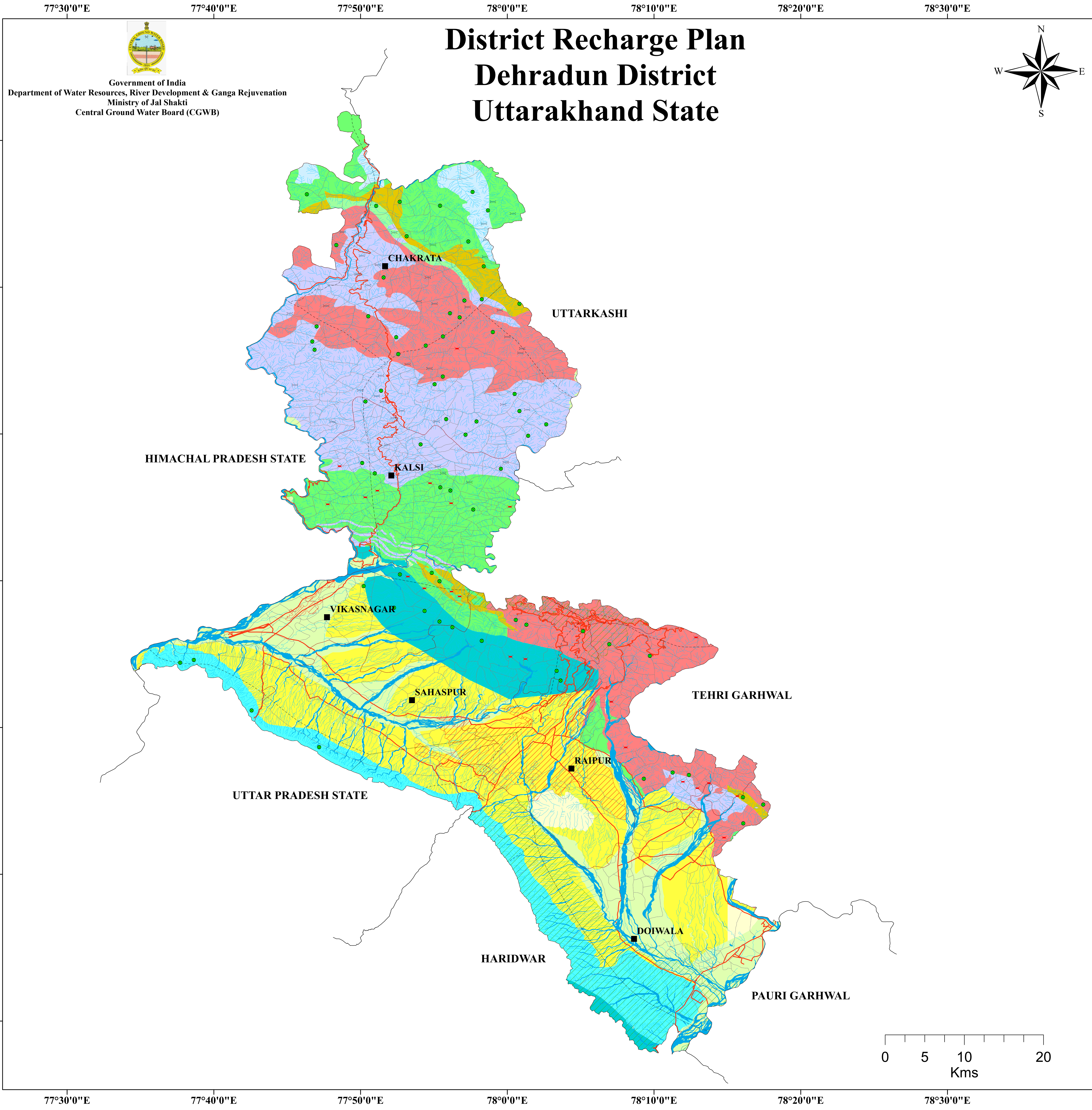




Index

- Associated Boundary
- District Boundary
- Block Headquarter
- 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

Depth To Water Level Maps

Decadal Average Depth To Water Level Pre-Monsoon

Decadal Average Depth To Water Level Post-Monsoon

General Features

Geographical Area (Sq.km)	3088
Community Development Blocks (Nos.)	6
Gram Panchayaths	460
Urban Habitat (Nos.)	6
Normal Annual Rainfall (mm)	1550
Area Suitable for AR (Sq.km)	772
Subsurface Storage Potential (MCM)	252
Source Water Requirement (MCM)	308
Surplus Runoff Available (MCM)	1931

Artificial Recharge Structures

Gully Plug/ Gabion	41
Percolation Pit/ Recharge Pit	69
Check dam	22
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 feasible.	

Principal Aquifers

Index	Principal Aquifer
Yellow	Alluvium (Recent)
Light Green	Alluvium (Older)
Dark Green	Alluvium (Younger)
Orange	Shallow Sand
Light Blue	Shale
Dark Blue	Crystalline (Sedimentary)
Light Green	Gneiss
Dark Green	Phyllite
Light Blue	Sandstone with Shale
Dark Blue	Shale with Limestone
Light Green	Unconsolidated Metasediments

Ground Water Scenario

Decadal Average Depth To Water Level (Pre-monsoon) mbgl	
Min	5.07
Max	71.50
Major Range	10 to 20
Decadal Average Depth To Water Level (Post-monsoon) mbgl	
Min	1.91
Max	79.10
Major Range	10 to 20

Ground Water Quality

Sl.No.	Water Quality Parameter	Permissible Limits	Obtained Value
1	TDS(mg/l)	<3000	297.76
2	Fluoride(mg/l)	<1.0	0.21
3	Nitrate (mg/l)	<45	14
4	Total Hardness(mg/l)	<200	166.9
5	Chloride(mg/l)	<250	15.00
6	Potassium(mg/l)	NA	3.5
7	Magnesium(mg/l)	<30	16-Jan
8	Calcium(mg/l)	<75	40.4

Salient Features

Major Geomorphic Landforms	Doon Gravels, Channel and Terrace Alluvium, Denudational and Structural Hills (Sivaliks)
Major Issues	Declining water level Rapid Urbanization
Cropping Pattern(%)	Rice-21%, wheat-39%, Sawa-1%, Jowar-1%, Oil Seeds -2%, Maize-15%, Pulses-7%, Sugarcane-9%, Potato-2%, Ragi-3%
Land Utilization (%)	

* 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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