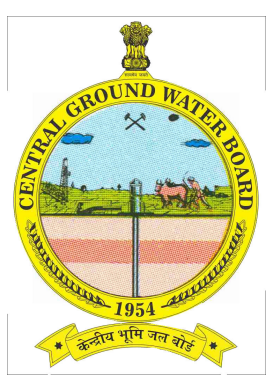


78°0'0"E

78°15'0"E

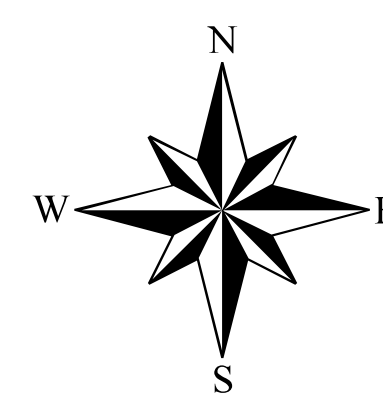
78°30'0"E

78°45'0"E



Government of India
Department of Water Resources, RD & GR
Ministry of Jal Shakti
Central Ground Water Board

District Recharge Plan Bijnor District Uttar Pradesh State



78°0'0"E

78°15'0"E

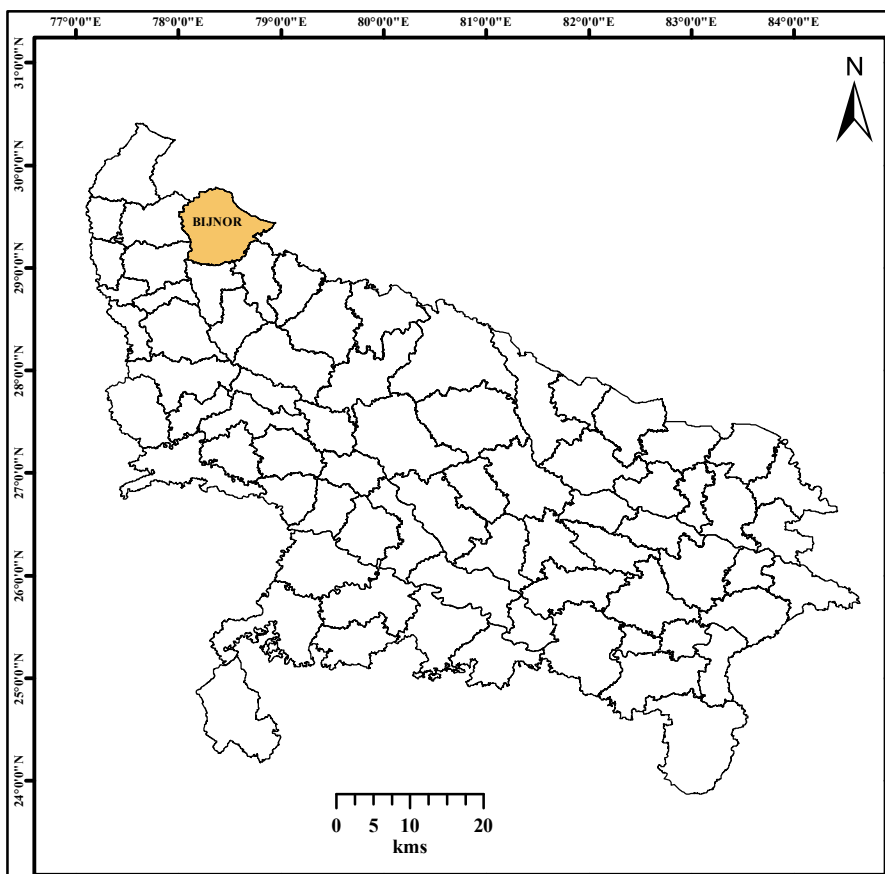
78°30'0"E

78°45'0"E

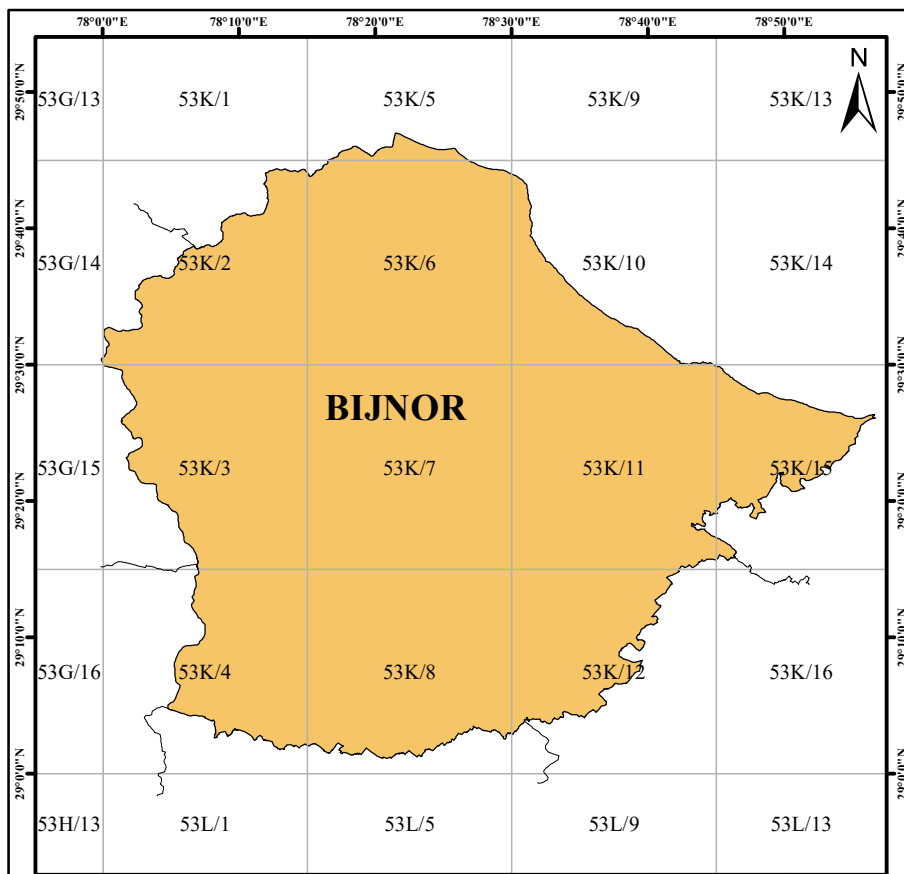
Index

	Associated Boundary
	District Boundary
	Block Boundary
	Village Boundary
	Watershed Boundary
	River / Water Bodies
	Drainage
	Major Road

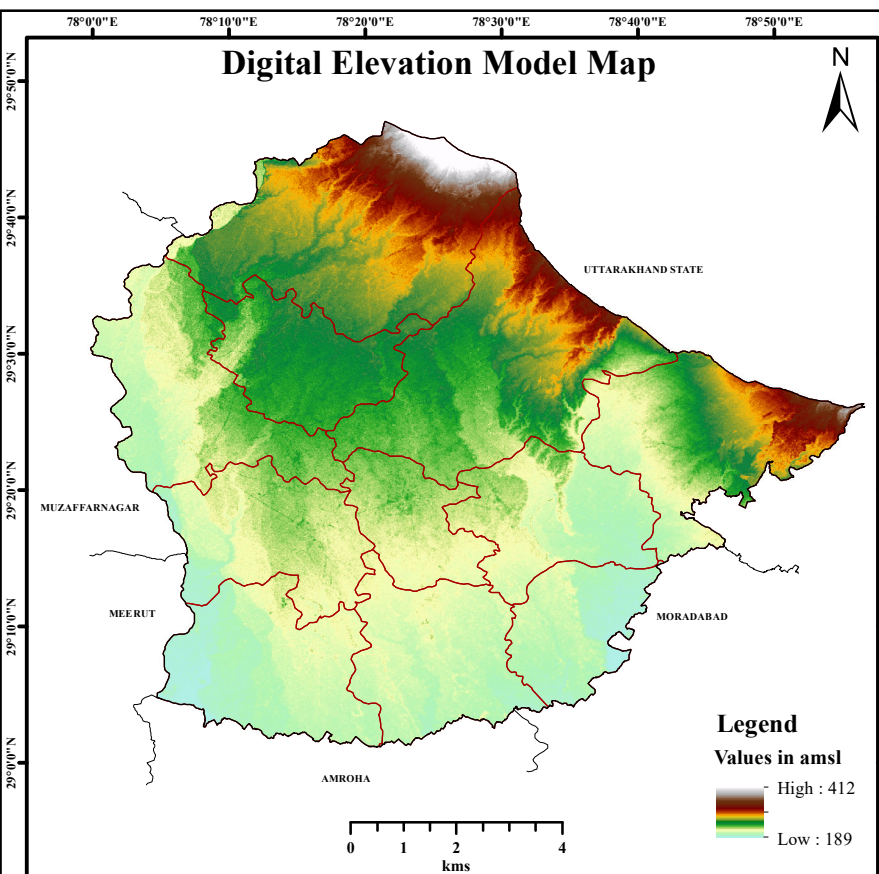
Index Map Of Uttar Pradesh



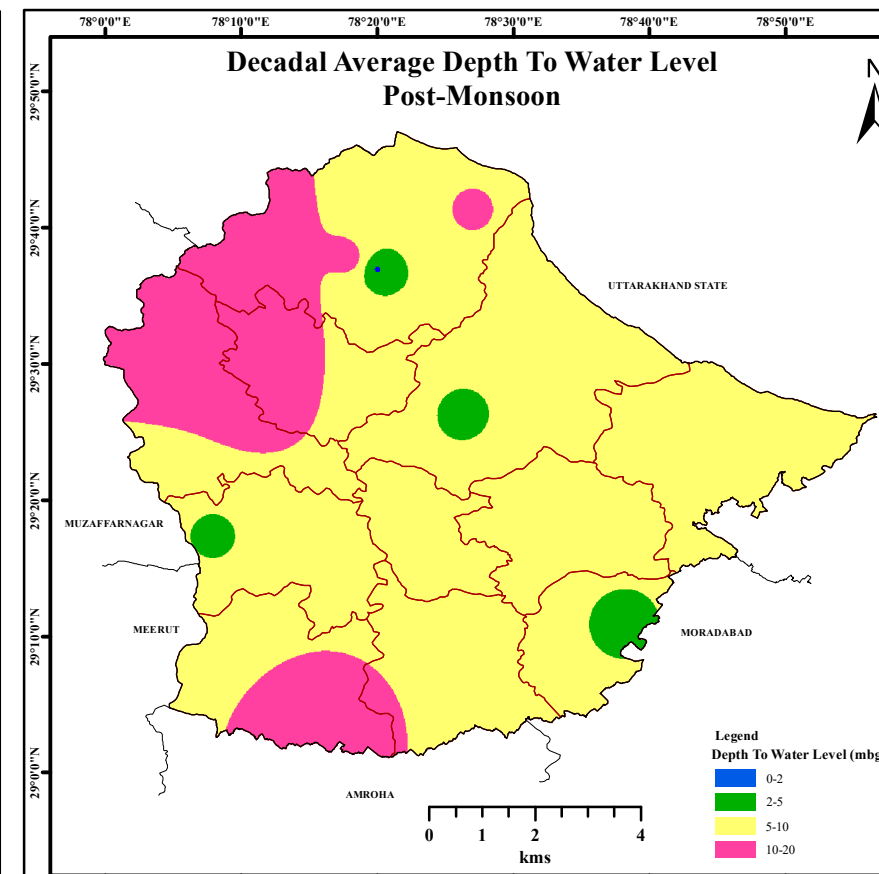
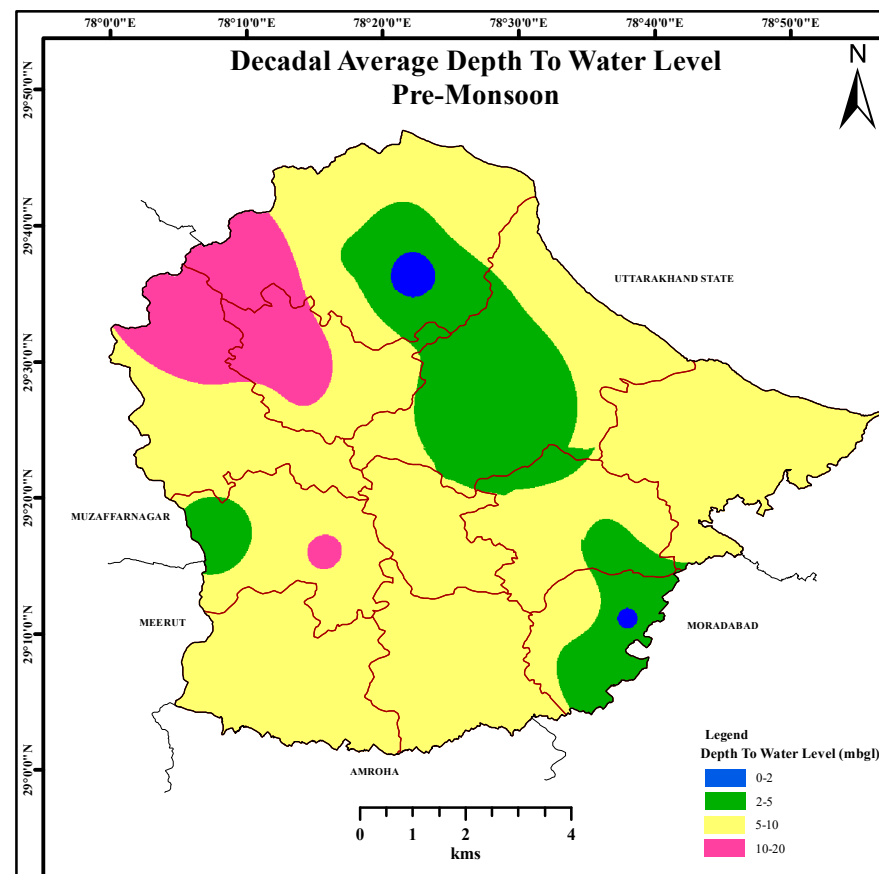
SOI Toposheet Index



Digital Elevation Model



Depth to Water Level Maps



General Features

Geographical Area (Sq.km)	4538.74
Blocks (Nos.)	11
Gram Panchayats (Nos.)	1123
Urban Habitats(Nos.)	1
Normal Annual Rainfall (mm)	909.86
Area Suitable for AR (Sq.km)	4122.21
Subsurface Storage Potential (MCM)	1499
Source Water Requirement (MCM)	1993.67
Surplus Runoff Available (MCM)	135.02

Artificial Recharge Structure

Type of Structure	No. of Proposed Structures
Destilling /Deepening of Existing Pond	702
Existing Pond(To be protected for water Conservation)	1281
Proposed Recharge Shaft	19
Existing Check Dam	21
Proposed Check Dam	60
Urban Areas	Roof-top Rain water Harvesting Structures All Govt. Buildings & Houses with Roof Area.200sq.m
Shallow Water Level (< 5 m)	Area suitable for Water Conservation

Principal Aquifers

Index	Principal Aquifer
	Older Alluvium
	Pebble/Gravel/Bazada/Kandi
	Sandstone with Shale
	Younger Alluvium

Ground Water Scenario

Decadal Average Depth To Water Level Pre-Monsoon (m bgl)	
Min	0.57
Max	16.63
Major Range	5 to 10
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	1.91
Max	19.95
Major Range	5 to 10

Ground Water Quality

Water Quality Parameter	Permissible Limits	Obtained Value	Blocks showing more than permissible limits
Electrical Conductivity (EC) (µS/cm)	<3000	319-864	Nil
Flouride (mg/l)	<1.5	0-0.57	Nil
Nitrate (mg/l)	<45	0-36	Nil
Iron (mg/l)	<1	0.14-9.66	Afzalgarh,Najibabad,Alhepur (Dhampur),Jaleelpur,Noorpur, Kiratpur,Mohammadpur Deomal
Arsenic (mg/l)	<0.01	0.002-0.027	Aku(Nehtapur),Alhepur,Noorpur , Mohammadpur Deomal,Kiratpur
Uranium (mg/l)	<0.03	0.003-0.21	Mohammadpur Deomal

Salient Features

Major Geographical Landform	Younger and Older Alluvial Plains
Major Issues	High Groundwater Exploitation(Average SOGE-71.85%) Contamination (Gegenic) Deep Water Levels Declining water level trends
Cropping Pattern(%)	Sugarcane,Wheat,Rice,Peas
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.
Central Ground Water Board (CGWB), NR, Lucknow, Email: rdnr-cgwb@nic.in