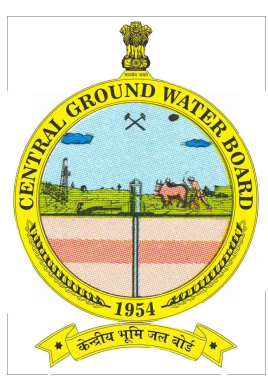


77°30'0"E

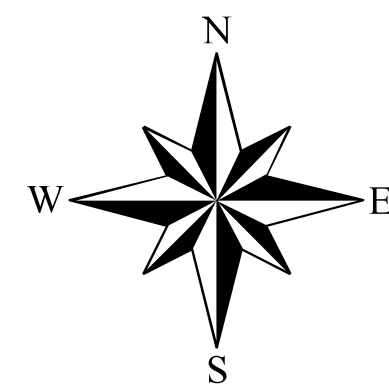
77°45'0"E

78°0'0"E



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

District Recharge Plan Meerut District Uttar Pradesh State



29°15'0"N

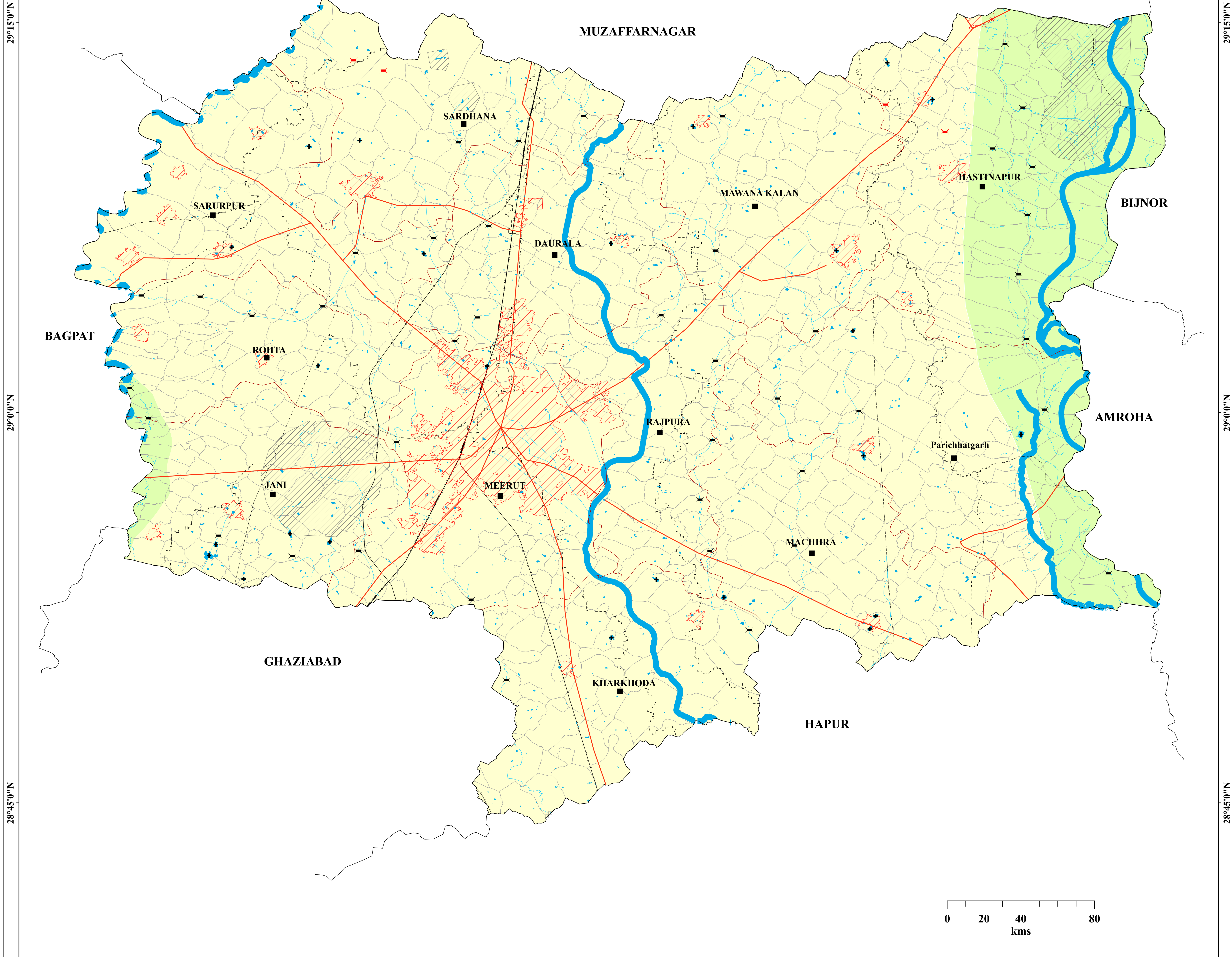
29°15'0"N

29°0'0"N

29°0'0"N

28°45'0"N

28°45'0"N

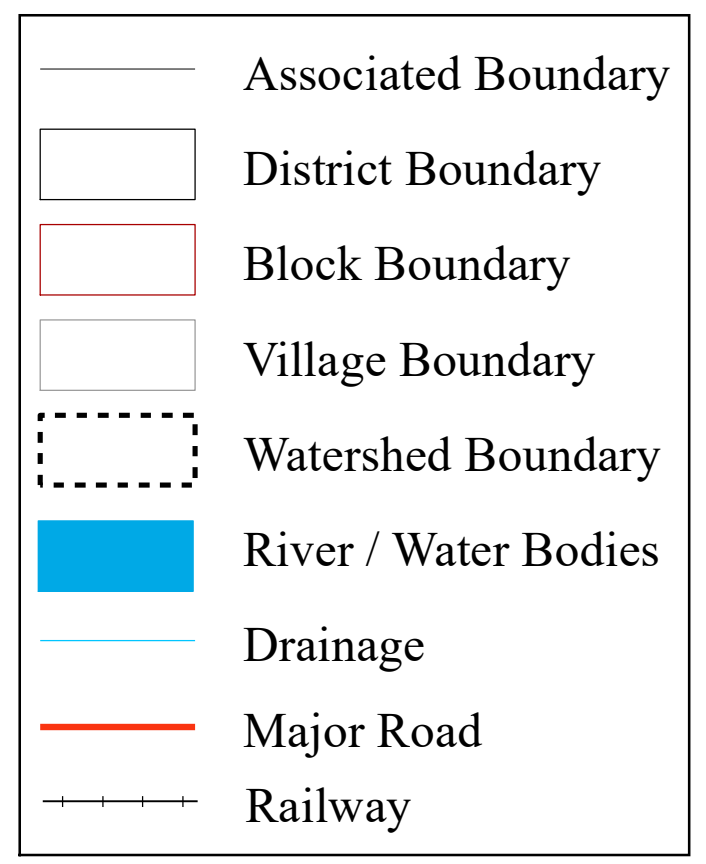


77°30'0"E

77°45'0"E

78°0'0"E

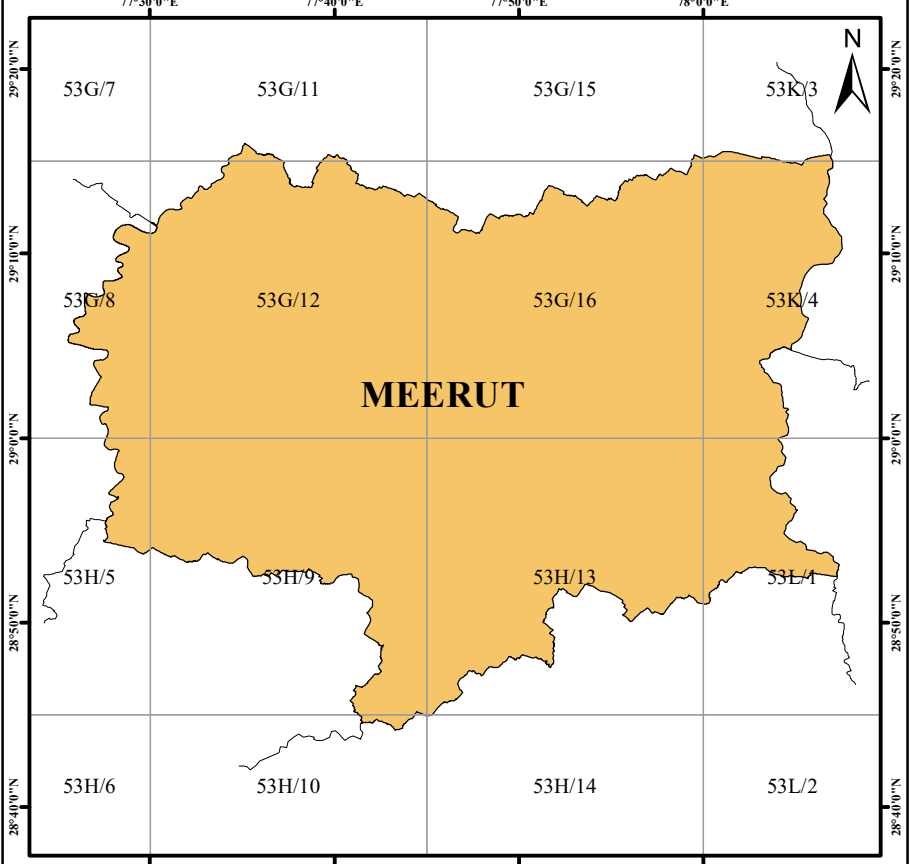
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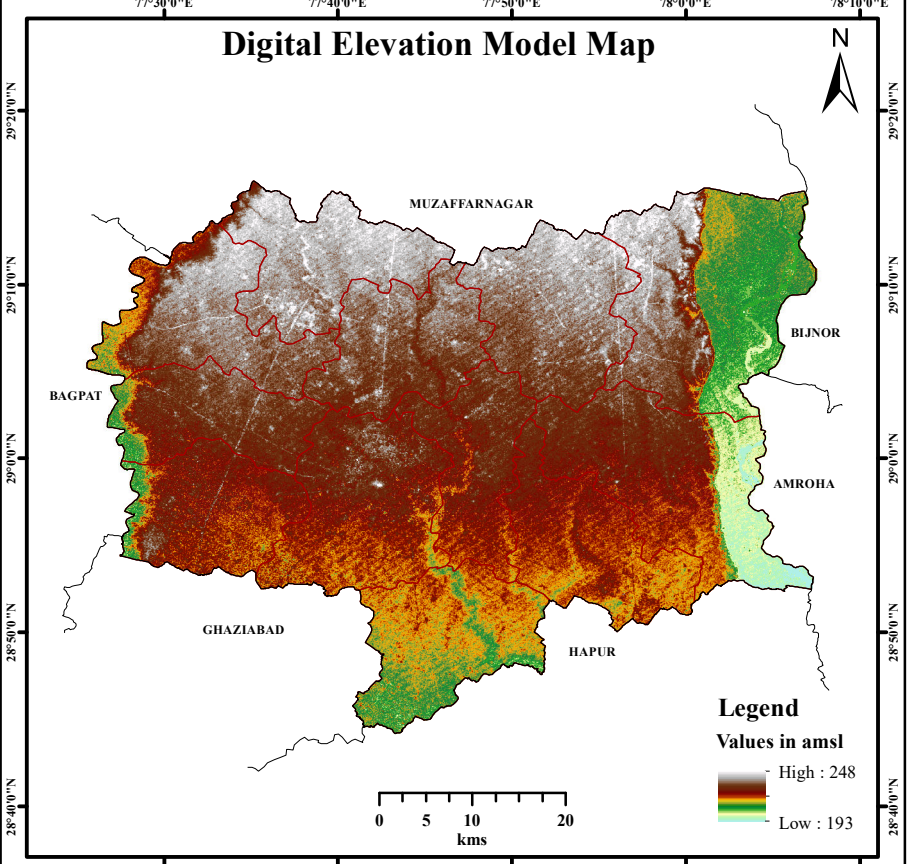
Index Map Of Uttar Pradesh



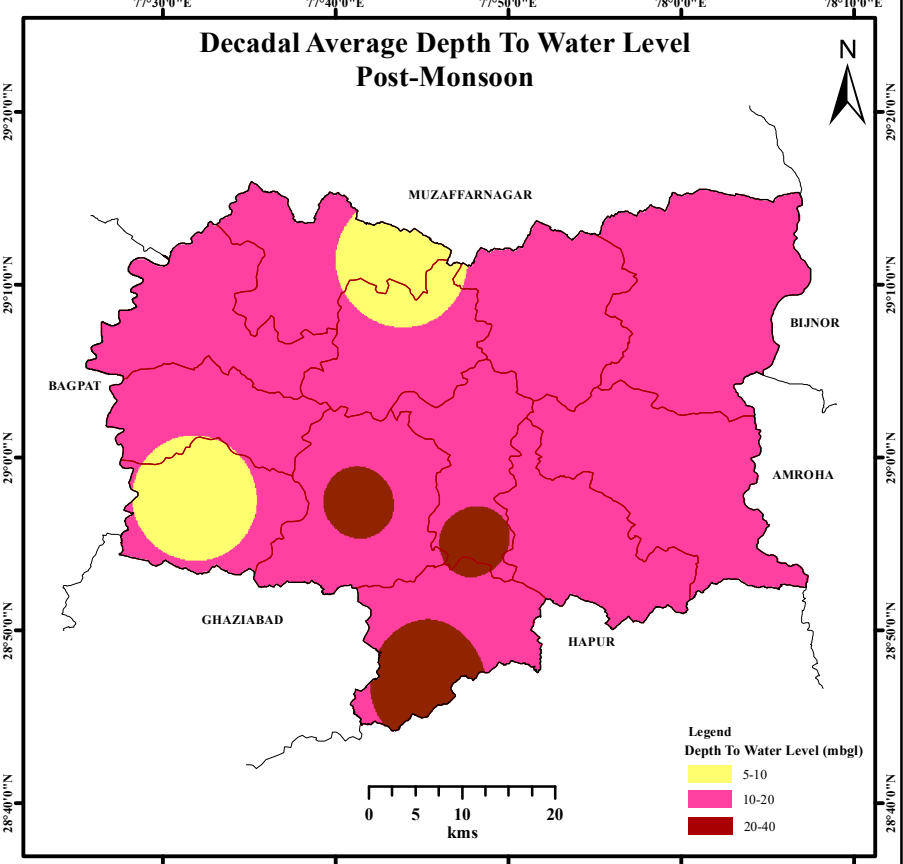
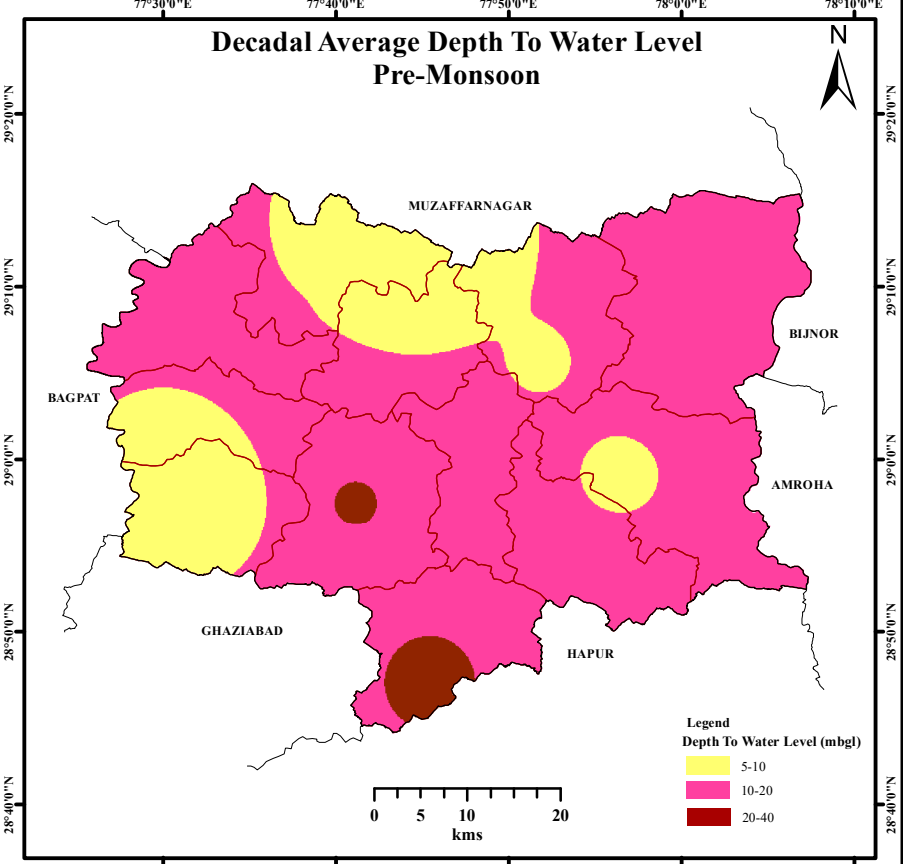
SOI Toposheet Index



Digital Elevation Model



Depth to Water Level Maps



General Features

Geographical Area (Sq.km)	2590
Blocks (Nos.)	12
Gram Panchayats (Nos.)	479
Urban Habitats(Nos.)	1
Normal Annual Rainfall (mm)	581.2
Area Suitable for AR (Sq.km)	2495.2
Subsurface Storage Potential (MCM)	2264
Source Water Requirement (MCM)	3011
Surplus Runoff Available (MCM)	58.13

Artificial Recharge Structure

Type of Structure	No. of Proposed Structures
Destilling /Deepening of Existing Pond	403
Existing Pond(To be protected for water Conservation)	473
Proposed Recharge Shaft	24
Existing Check Dam	5
Proposed Check Dam	42
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
	Younger Alluvium

Ground Water Scenario

Decadal Average Depth To Water Level Pre-Monsoon (m bgl)	
Min	5.88
Max	21.8
Major Range	10 to 20
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	7.1
Max	21.78
Major Range	10 to 20

Ground Water Quality

Water Quality Parameter	Permissible Limits	Obtained Value	Blocks showing more than permissible limits
Electrical Conductivity (EC) (µS/cm)	<3000	591-2016	Nil
Flouride (mg/l)	<1.5	0-0.61	Nil
Nitrate (mg/l)	<45	0-96.7	Hastinapur,Sardhana

Salient Features

Major Geographical Landform	Younger and Older Alluvial Plains
Major Issues	High Groundwater Exploitation(Average SOGE-85.39%) Pollution (Geogenic,Anthropogenic) Deep Water Levels Declining water level trends
Cropping Pattern(%)	Kharif Major Crops: Sugarcane,Rice Rabi Major Crops: Sugarcane,Wheat
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