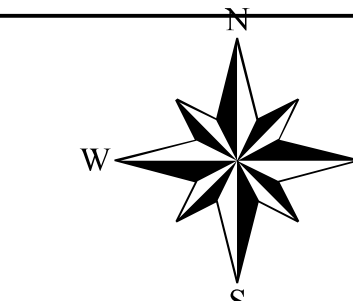




District Recharge Plan Hapur District Uttar Pradesh State



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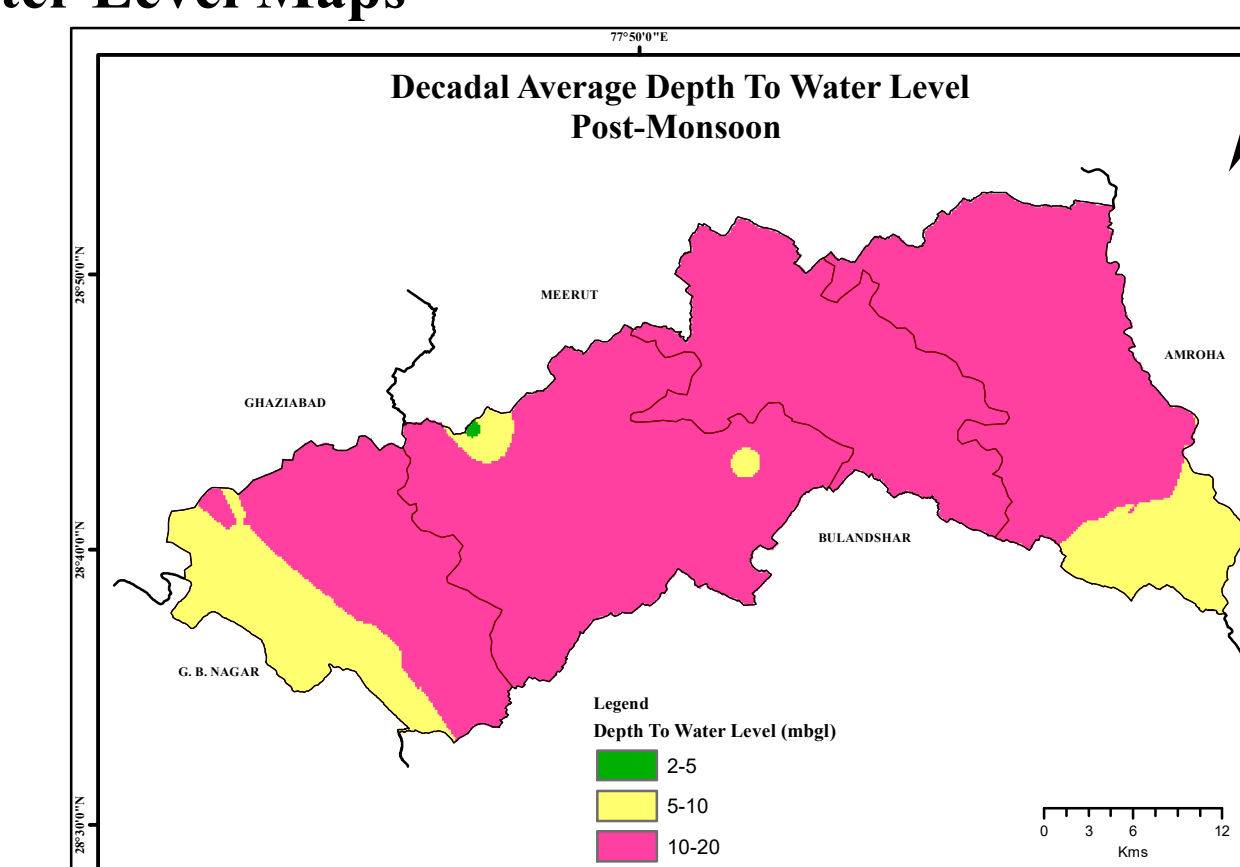
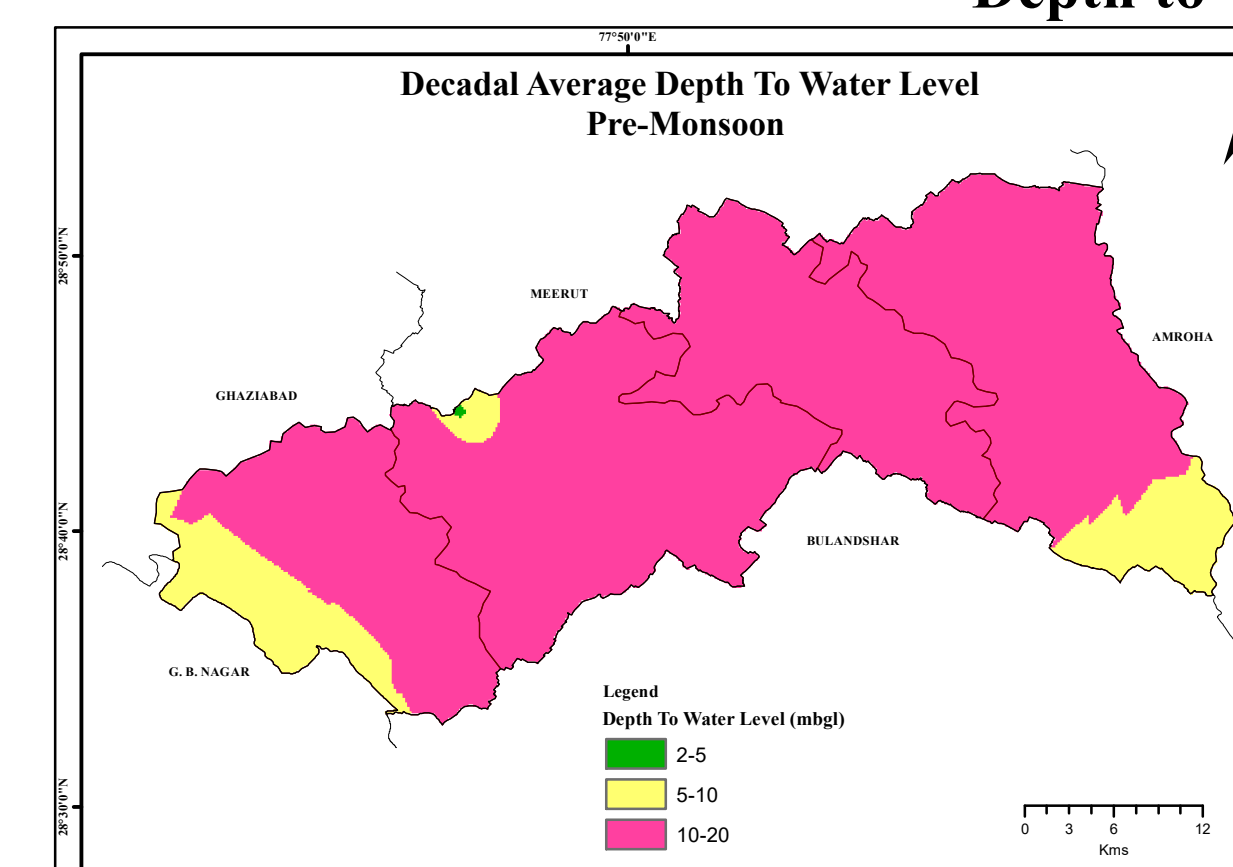
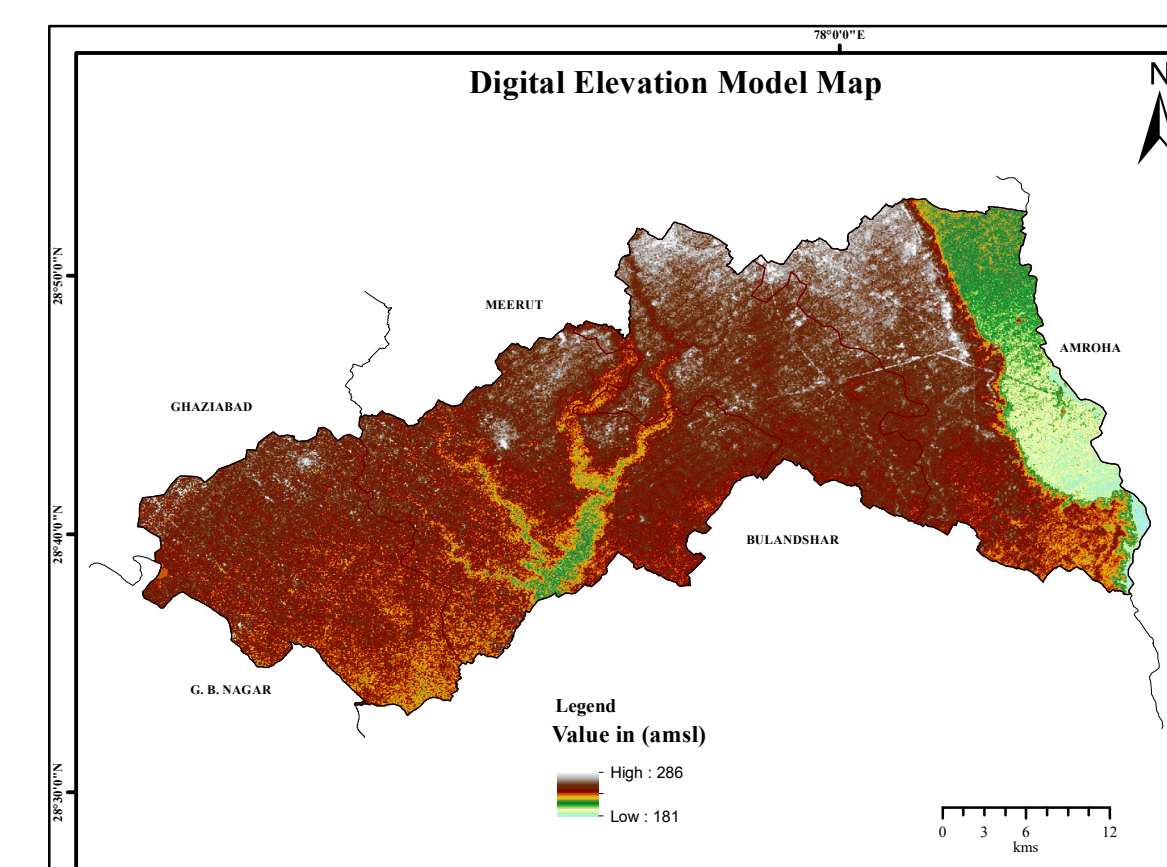
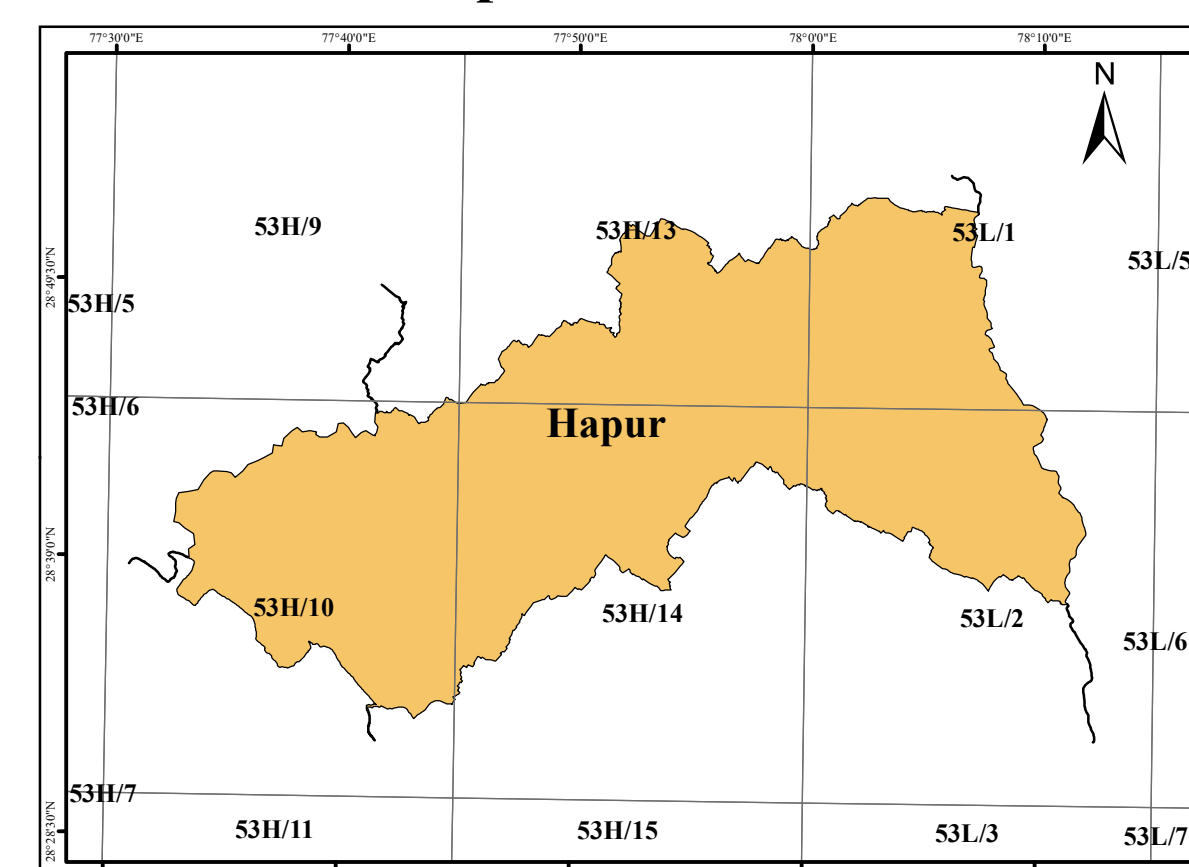
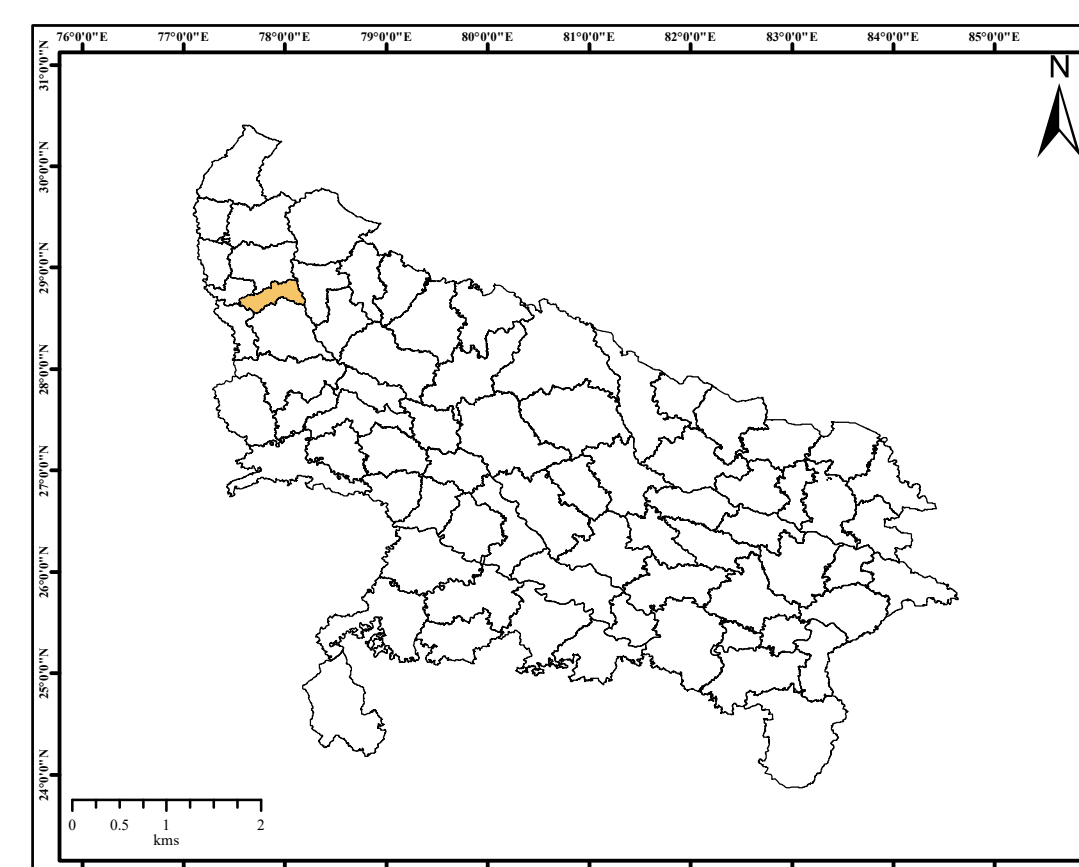
SOI Toposheet Index



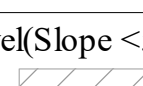
Depth to Water Level Maps

General Features

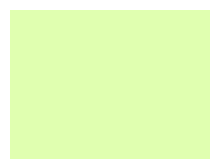
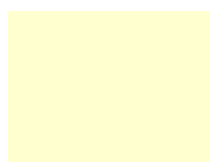
	District Boundary
	Associated Boundary
	Block Boundary
	Watershed Boundary
	Village Boundary
	Drainage
	River
	Stream
	Ponds
	Major Road



Artificial Recharge Structures

Type of Structure	No. of Proposed Structures
Desilting/Decpining Existing Pond	 371
Existing Pond (To be protected for water conservation)	 451
Proposed Recharge Shaft	 26
Proposed Check Dam	 24
Urban Area 	Roof Top Rain Water Harvesting Structures. All Govt. Buildings and Houses with Roof Area >200sq.m
Shallow water level (Slope <5m) 	Area Suitable for Water Conservation

Principal Aquifers

Index	Principal Aquifers
	Younger Alluvium
	Older Alluvium

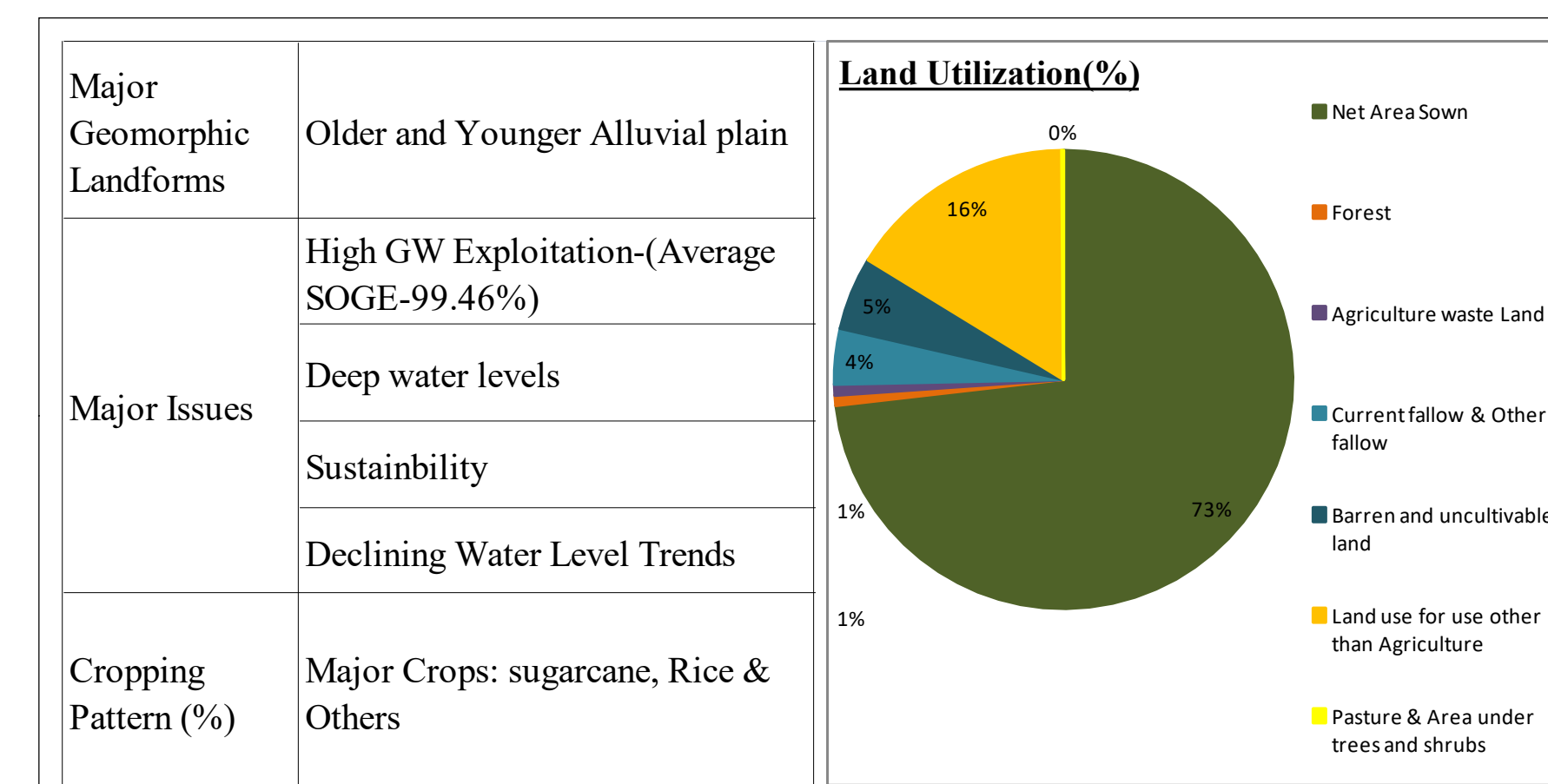
Ground Water Scenario

Decadal Average Depth To Water Level Pre Monsoon (m bgl)	
Min	4.72
Max	15.921
Major Range	10 to 20
Decadal Average Depth To Water Level Post Monsoon (m bgl)	
Min	4.39
Max	16.009
Major Range	10 to 20

Ground Water Quality

Sl.No	Water Quality Parameter	Permissible Limits	Obtained Values	Mandals Showing more than Permissible Limits
1	Electrical Conductivity (EC) (µS/cm)	< 3000	770-964	No Blocks above Permissible limits
2	Nitrate (mg/l)	< 45	0.18to 0.36	No Blocks above Permissible limits
3	Fluoride (mg/l)	<1.5	0-27	No Blocks above Permissible limits

Salient Features



Geographical Area (Sq.km)	660
Gram Panchayts (Nos.)	273
Urban Habitats (Nos.)	1
Mandals (Nos.)	4
Normal Annual Rainfall (mm)	598.7
Area Suitable for Artificial Recharge (sq.km)	659.12
Subsurface Storage Potential (MCM)	455
Source water requirement (MCM)	605.15
Surplus Runoff Available (MCM)	14.21