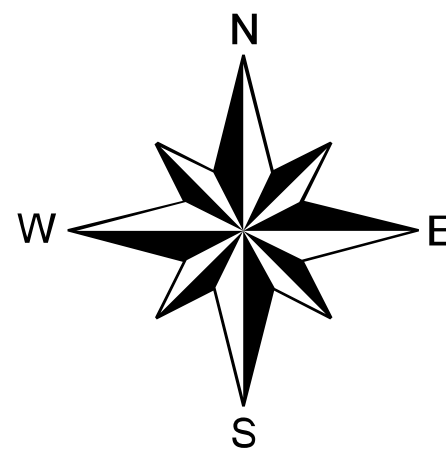




Government of India
Department of Water Resources, RD & GR
Ministry of Jal Shakti
Central Ground Water Board (CGWB)

District Recharge Plan Bulandshahar District Uttar Pradesh State



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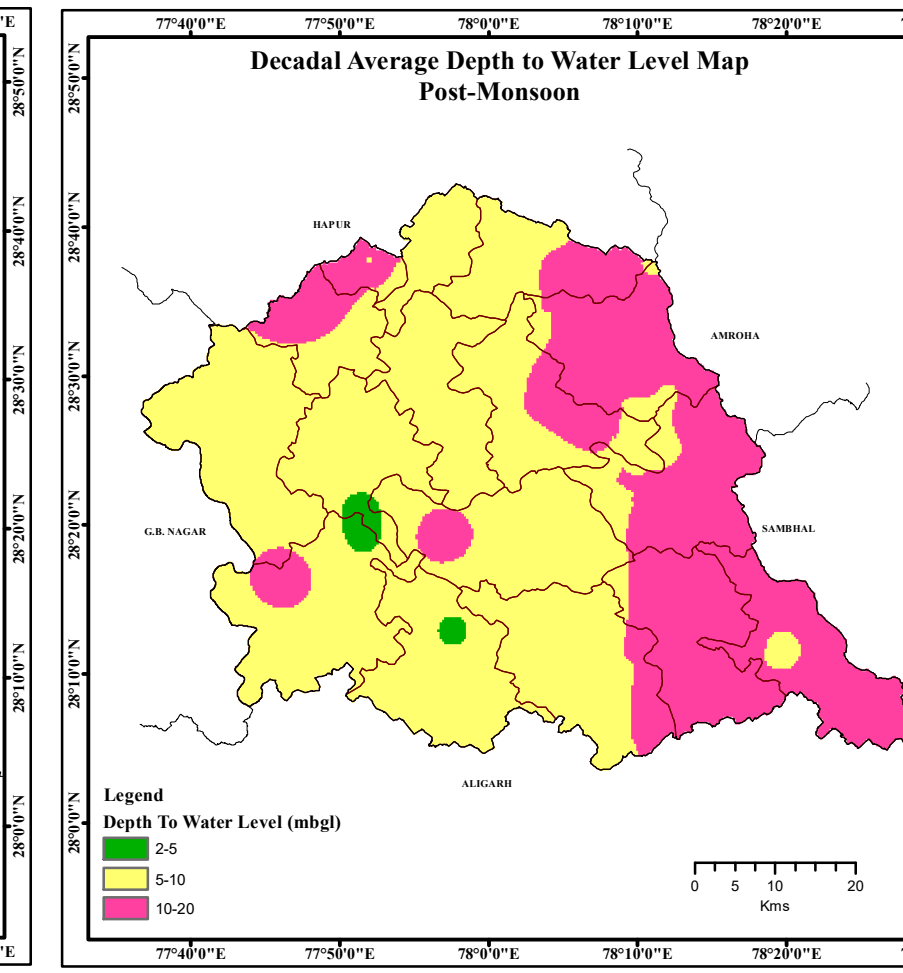
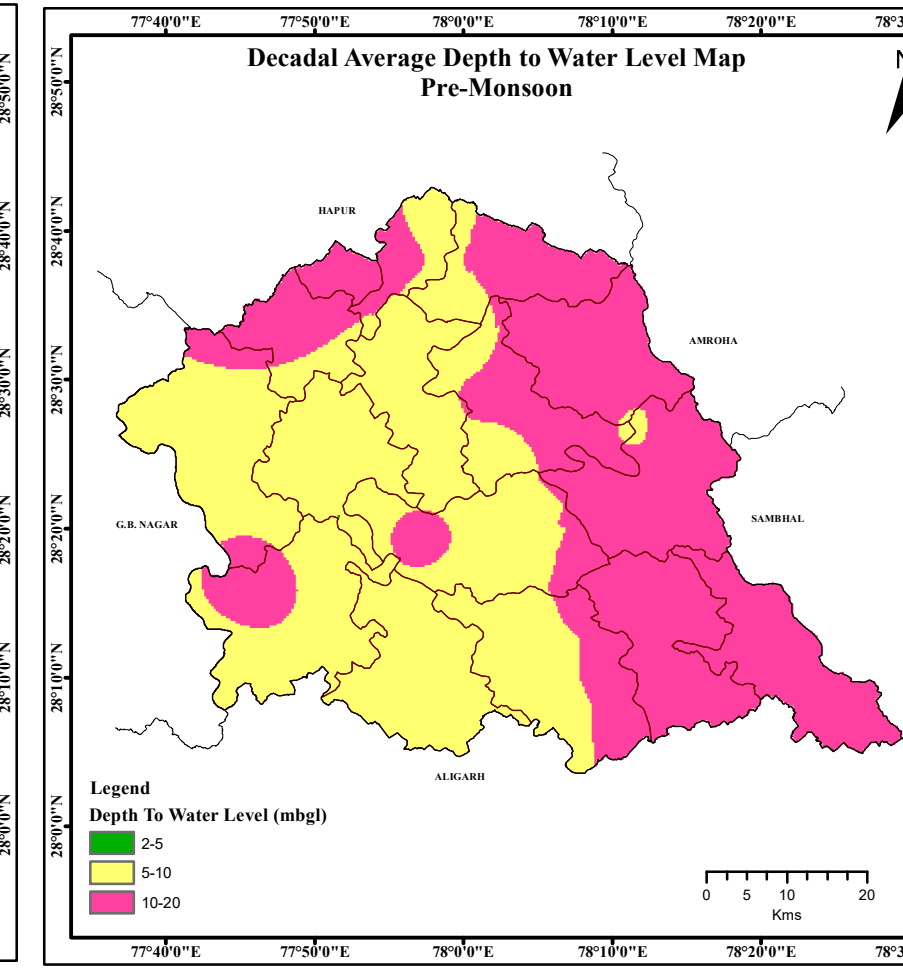
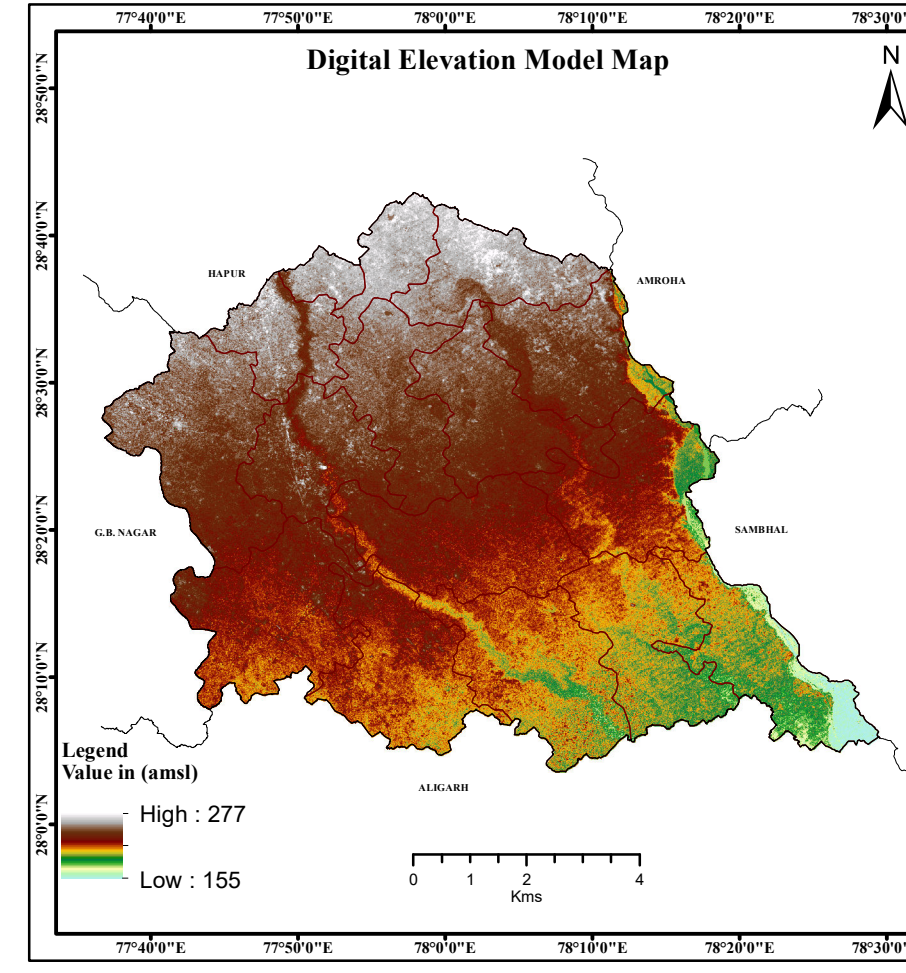
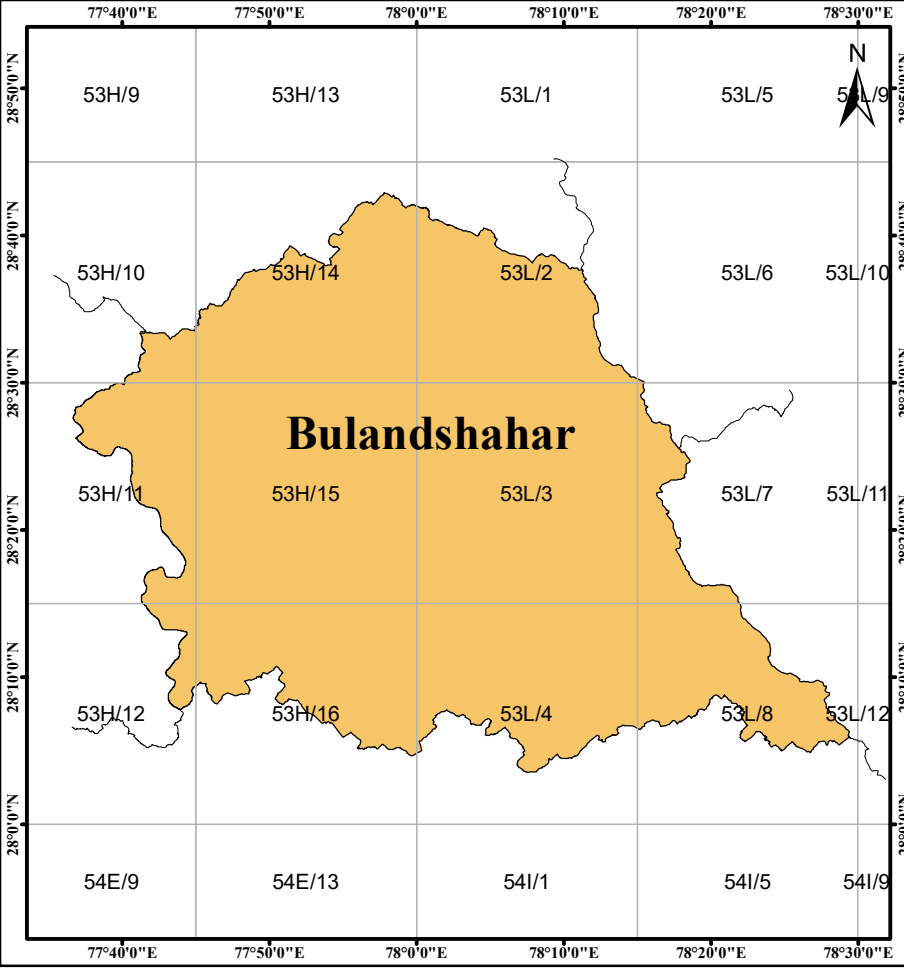
Index Map of Uttar Pradesh SOI Toposheet Index

Digital Elevation Model

Depth to Water Level Maps

General Features

	Associate Boundary
	District Boundary
	village Boundary
	Block Boundary
	River/ Water Bodies
	Watersed Boundary
	Drainage
	Major Road



Geographical Area (Sq.km)	3538.13
Mandals (Nos.)	16
Gram Panchayats (Nos.)	946
Urban Habitats (Nos.)	1
Normal Annual Rainfall (mm)	591.19
Area suitable for AR (Sq.km)	3502.49
Subsurface Storage Potential (MCM)	1803
Source Water Requirement (MCM)	2397.99
Surplus Runoff Available (MCM)	74.54

Artificial Recharge Structures

Principal Aquifer

Ground water Scenario

Ground Water Quality

Salient Features

Type of Structure	No. of Proposed Structures
Desilting of Existing Pond	822
Existing Pond(To be protected for water conservation)	1305
Proposed Recharge Shaft/TW	35
Desilting of Existing Check Dam	27
Proposed Check Dam	28
Urban Areas	Roof Top Rain Water Harvesting Structures. All government Building & Houses With area < 200Sqkm.
Shallow Water Level (<2m)	Area Suitable for Water Conservation

Indes	Principal Aquifer
	Older Alluvium
	Younger Alluvium

Avg. DTWL (Pre-monsoon) mbgl	
Min	4.99
Max	13.35
Major Range	5 to 10
Avg. DTWL (Post monsoon) mbgl	
Min	4.22
Max	12.75
Major Range	5 to 10

Water Quality Parameter	Permissible limits	Obtained value	Blocks showing more than permissible limits
Electrical Conductivity (EC) (µS/cm)	<3000	259 to 1777	No blocks above permissible Limit
Flouride (mg/l)	<1.5	0 to 0.83	No blocks above permissible Limit
Nitrate (mg/l)	<45	0.20 to 52.30	Unchagaon
Uranium (mg/l)	<45	0.002 to 0.098	Danpur, Jahangirabad & Shikarpur

Major Geomorph Landforms	Older & Younger Alluvial Plain
Major Issues	High GW Exploitation (Average SOGE- 96.31%) Pollution (Geogenic, Anthropogenic) Deep Water level Declining Water level Trands
Cropping Pattern (%)	Major Crops: Sugarcane, Wheat Paddy & Others
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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