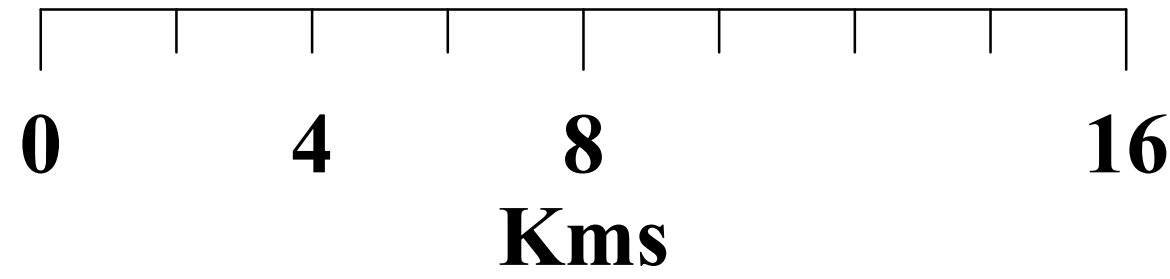
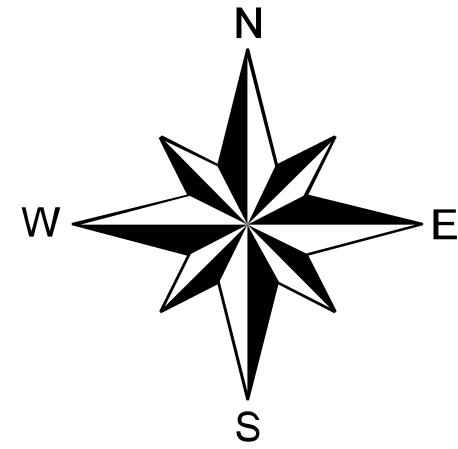




Government of India
Department of Water Resources, RD & GR
Ministry of Jal Shakti
Central Ground Water Board (CGWB)

District Recharge Plan Amroha District Uttar Pradesh State



Index

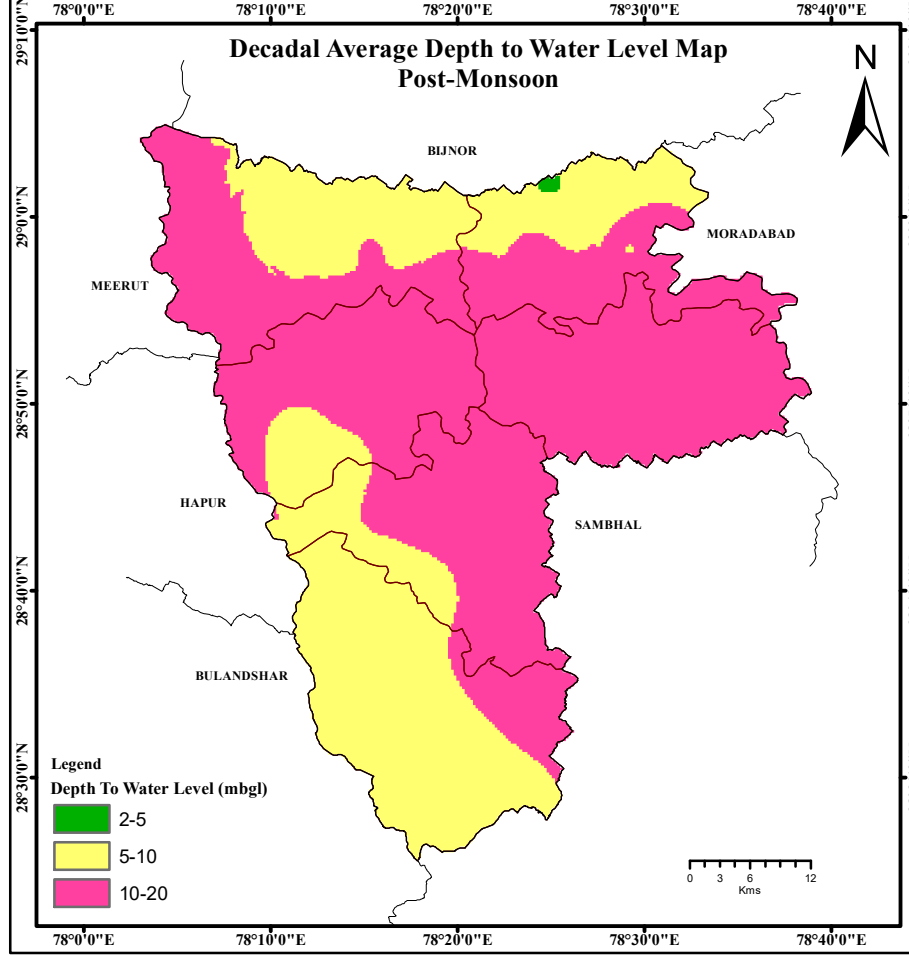
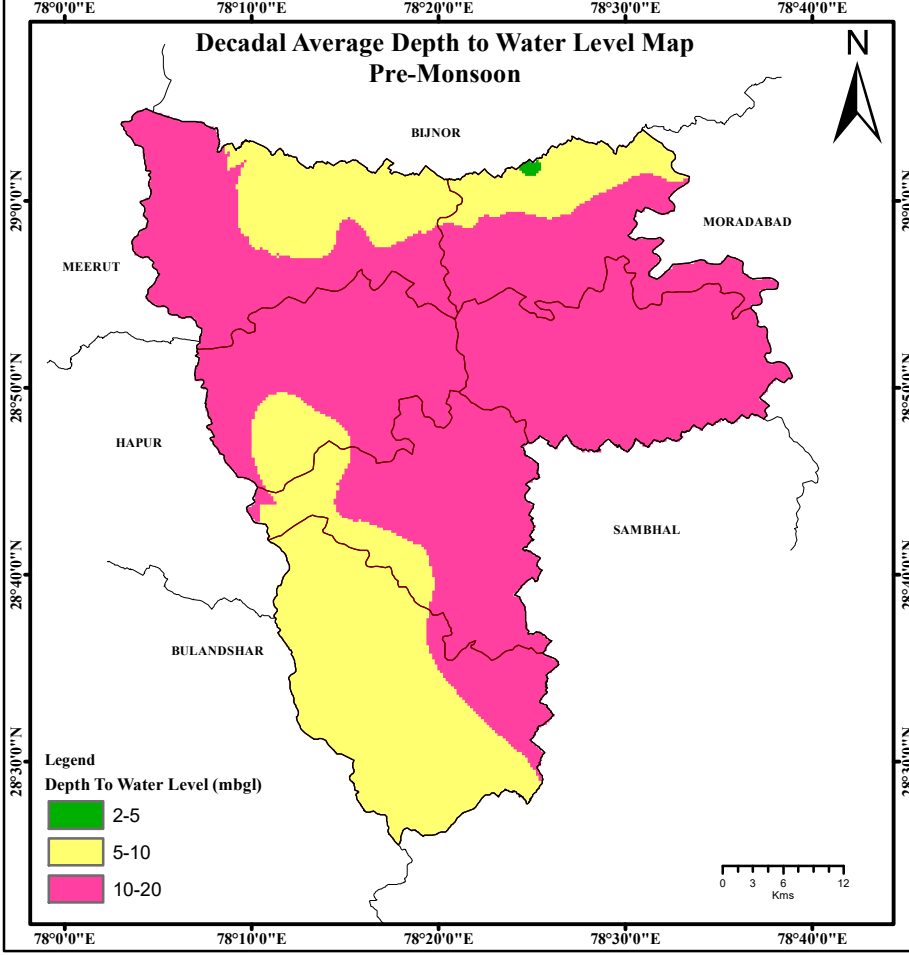
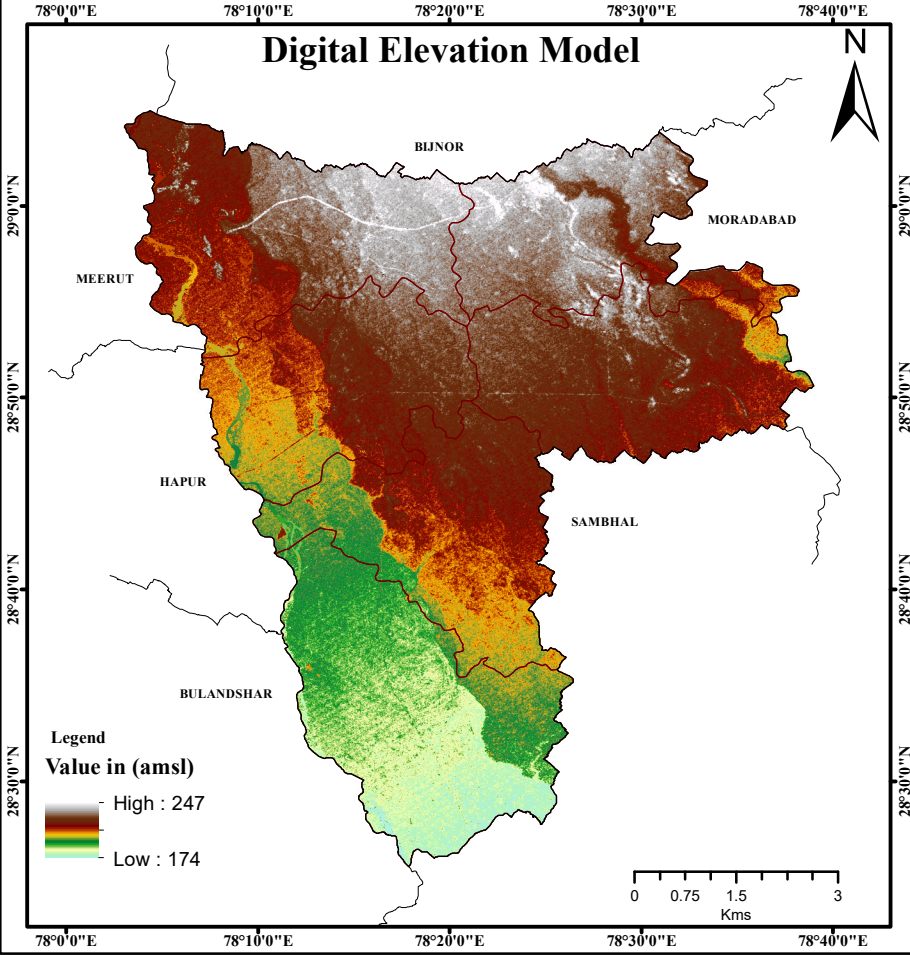
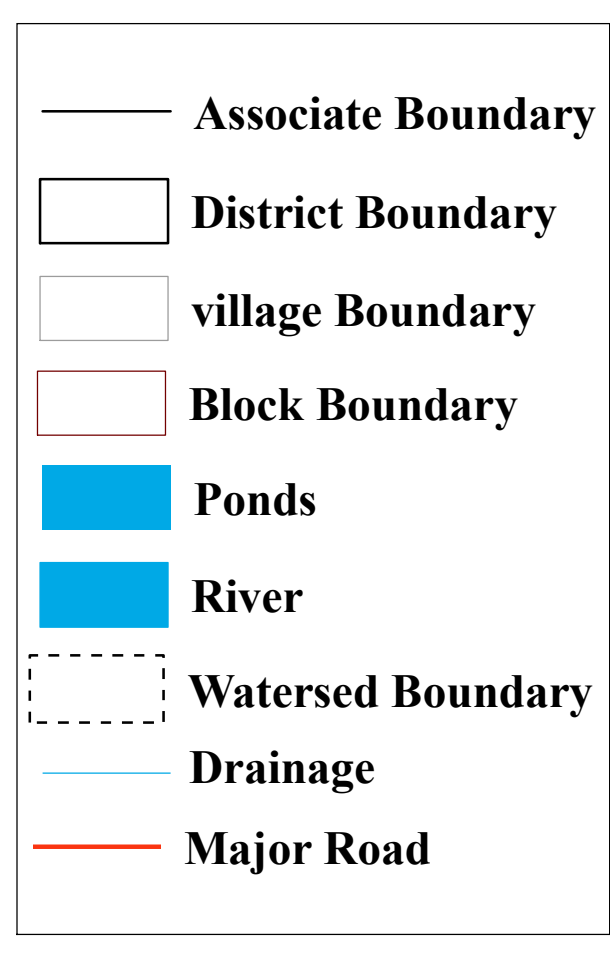
Index Map Of Uttar Pradesh

SOI Toposheet Index

Digital Elevation Model

Depth to Water Level Maps

General Features



Geographical Area (Sq.km)	2170
Mandals (Nos.)	6
Gram Panchayats (Nos.)	597
Urban Habitats (Nos.)	1
Normal Annual Rainfall (mm)	781.26
Area suitable for AR (Sq.km)	2167.66
Subsurface Storage Potential (MCM)	992
Source Water Requirement (MCM)	1319
Surplus Runoff Available (MCM)	60.97

Artificial Recharge Structures

Type of Structure	No. of Proposed Structures
Desilting of Existing Pond	219
Existing Pond (To be protected for water conservation)	449
Proposed Recharge Shaft/TW	16
Desilting of Existing Check Dam	0
Proposed Check Dam	36
Urban Areas	Roof Top Rain Water Harvesting Structures
Shallow Water Level < 5m	Area Suitable for Water Conservation

Principal Aquifer

Index	Principal Aquifer
	Younger Alluvium
	Older Alluvium

Ground water Scenario

Avg. DTWL (Pre-monsoon) mbgl	
Min	4.12
Max	17.1
Major Range	10 to 20
Avg. DTWL (Post monsoon) mbgl	
Min	4
Max	16.78
Major Range	10 to 20

Ground Water Quality

Water Quality Parameter	Permissible Limits	Obtained value	Blocks showing more than permissible limits
EC (μ Siemens/cm)	< 3000	348-855	No blocks above permissible Limit
Fluoride (mg/l)	< 1.5	0.73-0.93	No blocks above permissible Limit
Nitrate (mg/l)	< 45	0-86	Gajraula, Hasanpur
Uranium (mg/l)	< 0.03	0-0.02	No blocks above permissible Limit

Salient Features

Major Geomorphic Landforms	Older Alluvial Plain Younger Alluvial Plain
Major Issues	High GW Exploitation (Average SOGE: 93.93%) Pollution (Geogenic, Anthropogenic) Deep Water level Declining water level Trends
Cropping Pattern (%)	Major Crops: Sugarcane, Wheat & Paddy
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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