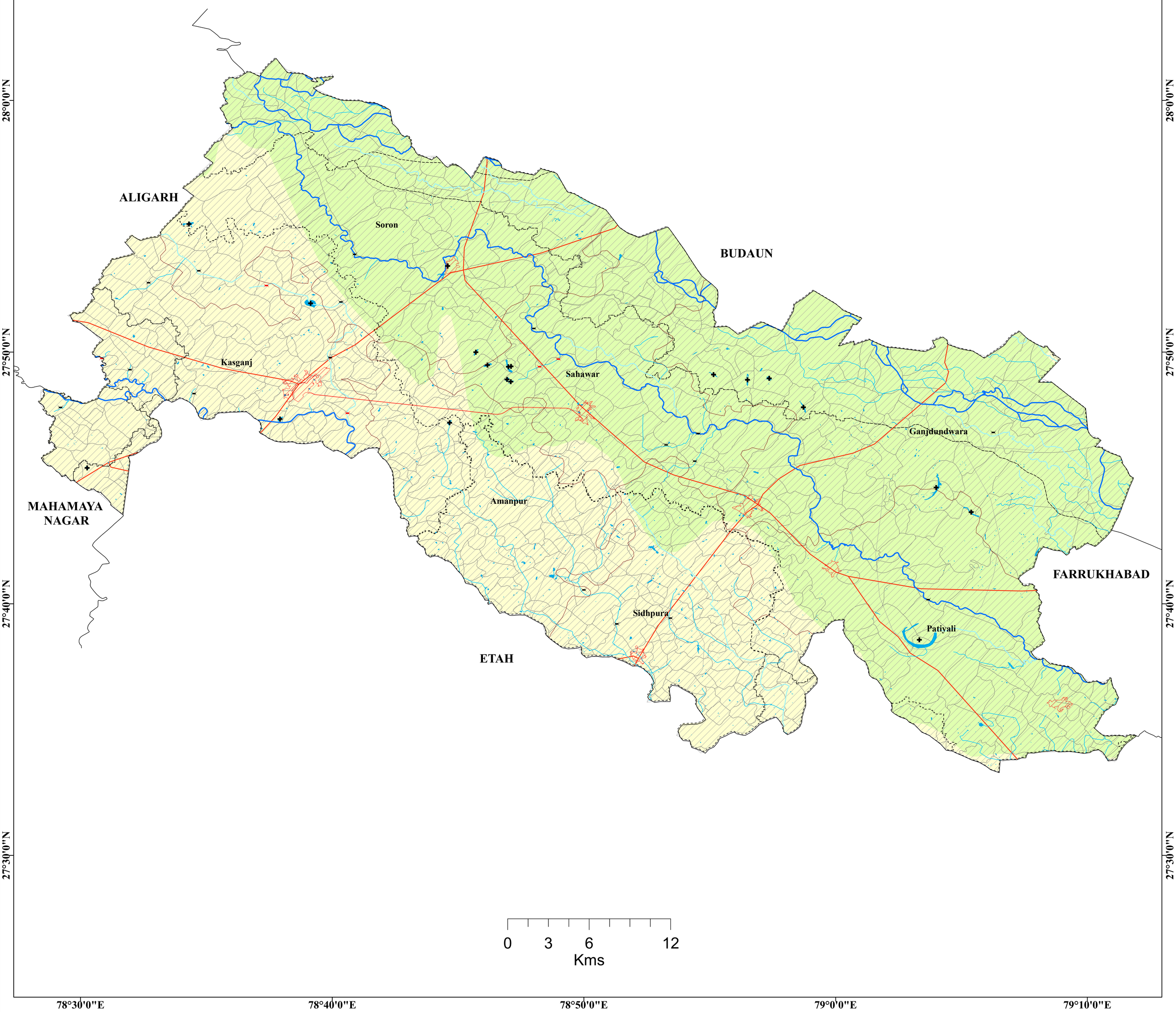
Government of India
Department of Water Resources, River Development & Ganga Rejuvenation
Ministry of Jal Shakti
Central Ground Water Board (CGWB)

District Recharge Plan
Kasganj District
Uttar Pradesh State

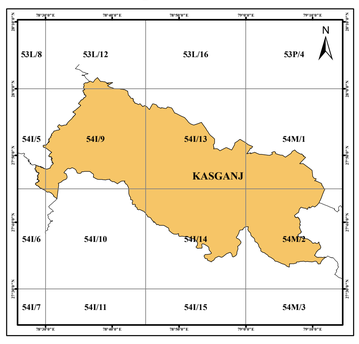


Index

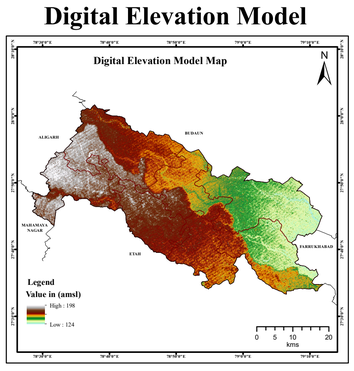
District Boundary
Block Boundary
Associated Boundary
Watershed Boundary
Pond
Waterbody
Village Boundary
Drain
River
Stream
National Highway

Index Map Of Uttar Pradesh

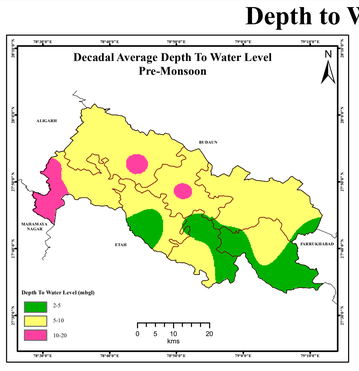
SOI Toposheet Index

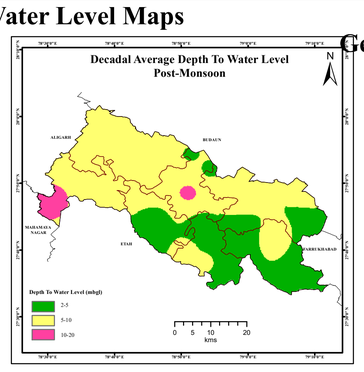


Digital Elevation Model



Depth to Water Level Maps





General Features

Geographical Area (Sq.km)	1793
Blocks (Nos.)	7
Gram Panchayaths	225
Urban Habitat (Nos.)	1
Normal Annual Rainfall (mm)	640
Area Suitable for AR (Sq.km)	1216
Subsurface Storage Potential (MCM)	165
Source Water Requirement (MCM)	219

Artificial Recharge Structures

Type of Structure	No.of Proposed Structures
Desilting Existing Pond	119
Existing Pond(For Water conservation)	417
Proposed Check dam	17
Existing Check Dam	5
Proposed Recharge Shaft	19
Urban area	Roof Top Rain Water Harvesting Structures.All Govt Buildings and houses with Roof Area >200 sq.km.
Shallow Water Level(<2m)	
Area Suitable for Staggered Trenches, Gully plugs, Nala bunds, Gabion Sructures	

Principal Aquifers

Index	Types Of Aqifer
	Younger Alluvium
	Older Alluvium

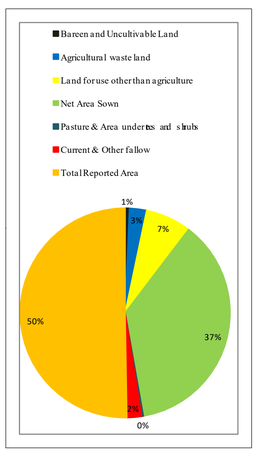
Ground Water Scenario

DTWL Decadal Average (Pre-monsoon) mbgl	
Min	3.60
Max	12.71
Major Range	5 to 10
DTWL Decadal Average (Post-monsoon) mbgl	
Min	3.39
Max	11.56
Major Range	5 to 10

Ground Water Quality

Sl.No.	Water Quality	Permissible Limits	Range	Mandals showing more than permissible limits
1	Electrical Conductivity (EC) (µS/cm)	<3000	363-1339	No Blocks above Permissible Limit
2	Fluoride(mg/l)	<1.5	0.31-0.91	No Blocks above Permissible Limit
3	Nitrate (mg/l)	<45	0-65	No Blocks above Permissible Limit

Land Utilization (%)



Salient Features

Major Geomorphic Landforms	Younger ad Older Alluvium Plain
Major Issues	High Ground water Exploiation (Average SOGE-78.57%), Pollution (Arthropogenic)Deep Water Levels, Declining Water Level Trends
Cropping Pattern(%)	Major Crops: Wheat,Paddy,Bajra, Rice, Maize & Others

** 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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