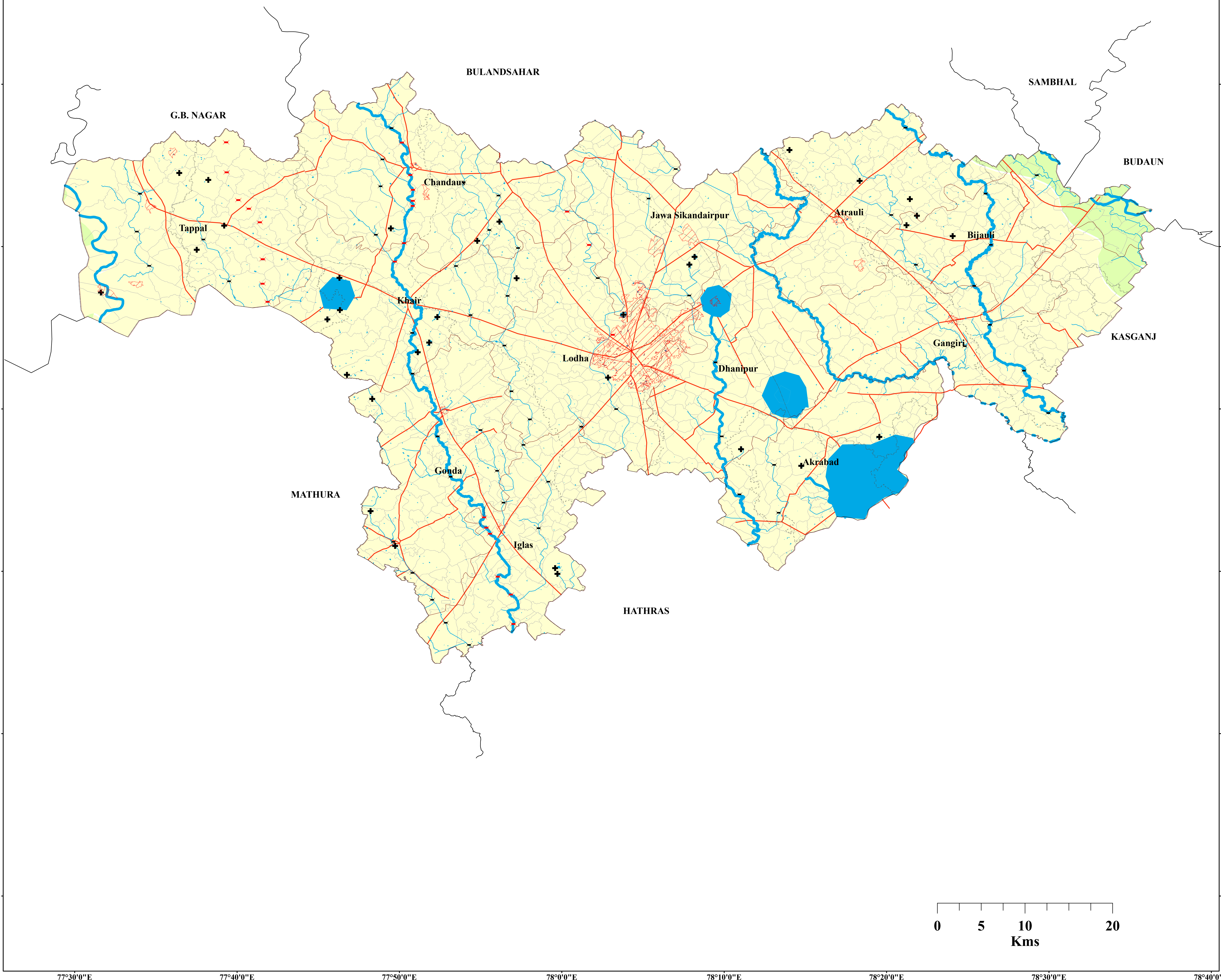




INDEX

Associate Boundary

District Boundary

Block Boundary

village Boundary

Watersed Boundary

River/Water Bodies

Drainage

Major Road

Index Map Of Uttar Pradesh

SOI Toposheet Index

Digital Elevation Model

Depth to Water Level Maps

Decadal Average Depth to Water Level Pre-Monsoon

Decadal Average Depth to Water Level Post-Monsoon

General Features

Geographical Area (Sq.km)	3720.72
Mandals (Nos.)	12
Gram Panchayats (Nos.)	1425
Urban Habitats (Nos.)	1
Normal Annual Rainfall (mm)	581.2
Area suitable for AR (Sq.km)	3625.72
Subsurface Storage Potential (MCM)	1985
Source Water Requirement (MCM)	2640
Surplus Runoff Available (MCM)	75.88

Artificial Recharge Structures

Type of Structure	No. of Proposed Structures
Desilting of Existing Pond	524
Existing Pond/ to be protected for water conservation)	716
Proposed Recharge Shaft/TW	34
Desilting of Existing Check Dam	24
Proposed Check Dam	56
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

Decadal Average Depth To Water Level (Pre-monsoon) mbgl	
Min	2.8
Max	21.32
Major Range	10 to 20
Decadal Average Depth To Water Level (Post-monsoon) mbgl	
Min	1.33
Max	21.74
Major Range	10 to 20

Ground Water Quality

Water Quality	Permissible Limits	Obtained value	Blocks showing more than permissible limits
EC (μ Siemens/cm)	< 3000	531-3790	Khair, Gonda
Fluoride (mg/l)	< 1.5	0.21-1.94	Tappal
Nitrate (mg/l)	< 45	3-217	Akrabad, Khair
Uranium (mg/l)	<0.03	0.011-0.126	Gonda, Khair

Salient Features

Major Geomorphic Landforms

Older Alluvial Plain Younger Alluvial Plain

Major Issues

High GW Exploitation (Average SOGE- 72.8%)
Pollution (Geogenic, Anthropogenic)
Deep Water level
Declining water level Trends

Cropping Pattern (%)

Khair: Paddy- 29, Non- Paddy- 71
Rabi: Wheat- 72, Non - Wheat- 28

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