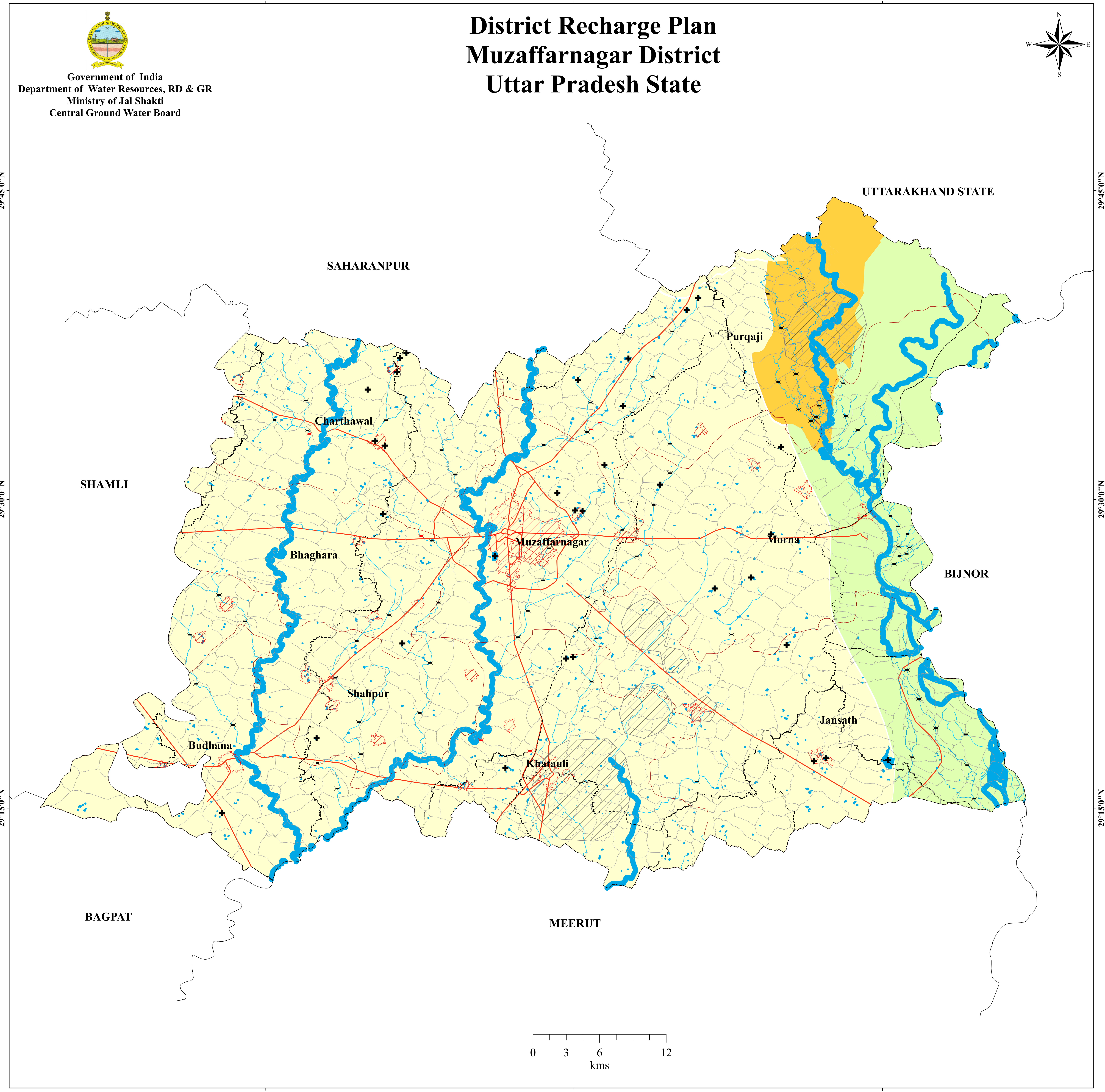
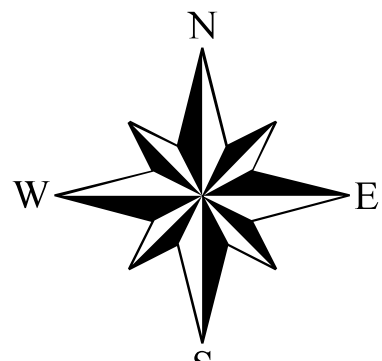


Government of India
Department of Water Resources, RD & GR
Ministry of Jal Shakti
Central Ground Water Board

District Recharge Plan Muzaffarnagar District Uttar Pradesh State



Index

- Associated Boundary
- District Boundary
- Block Boundary
- Village Boundary
- Watershed 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)	2864
Blocks (Nos.)	9
Gram Panchayats (Nos.)	498
Urban Habitats(Nos.)	1
Normal Annual Rainfall (mm)	708
Area Suitable for AR (Sq.km)	2736
Subsurface Storage Potential (MCM)	935
Source Water Requirement (MCM)	1243.55
Surplus Runoff Available (MCM)	69.74

Artificial Recharge Structure

Type of Structure	No. of Proposed Structures
Destilling /Deepening of Existing Pond	373
Existing Pond(To be protected for water Conservation)	387
Proposed Recharge Shaft	32
Existing Check Dam	7
Proposed Check Dam	69
Urban Areas	Roof-top Rain water Harvesting Structures All Govt. Buildings & Houses with Roof Area.200sq.m
Shallow Water Level (< 5 m)	Area suitable for Water Conservation

Principal Aquifers

Index	Principal Aquifer
Younger Alluvium(AL01)	
Alluvium (AL02)	
Older Alluvium(AL03)	

Ground Water Scenario

Decadal Average Depth To Water Level Pre-Monsoon (m bgl)	
Min	4.45
Max	28.38
Major Range	5 to 10
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	3.74
Max	28.84
Major Range	5 to 10

Ground Water Quality

Water Quality Parameter	Permissible Limits	Obtained Value	Blocks showing more than permissible limits
Electrical Conductivity (EC) (µS/cm)	<3000	525 - 1701	Nil
Flouride (mg/l)	<1.5	0 - 0.81	Nil
Nitrate (mg/l)	<45	0 - 56.75	Budhana,Charthawal

Salient Features

Major Geographical Landform	Younger and Older Alluvial Plains
Major Issues	Over Exploitation Pollution (Geogenic,Anthropogenic) Deep Water Levels Declining Water Level Trends
Cropping Pattern(%)	Major Crops - Sugarcane,Wheat and 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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