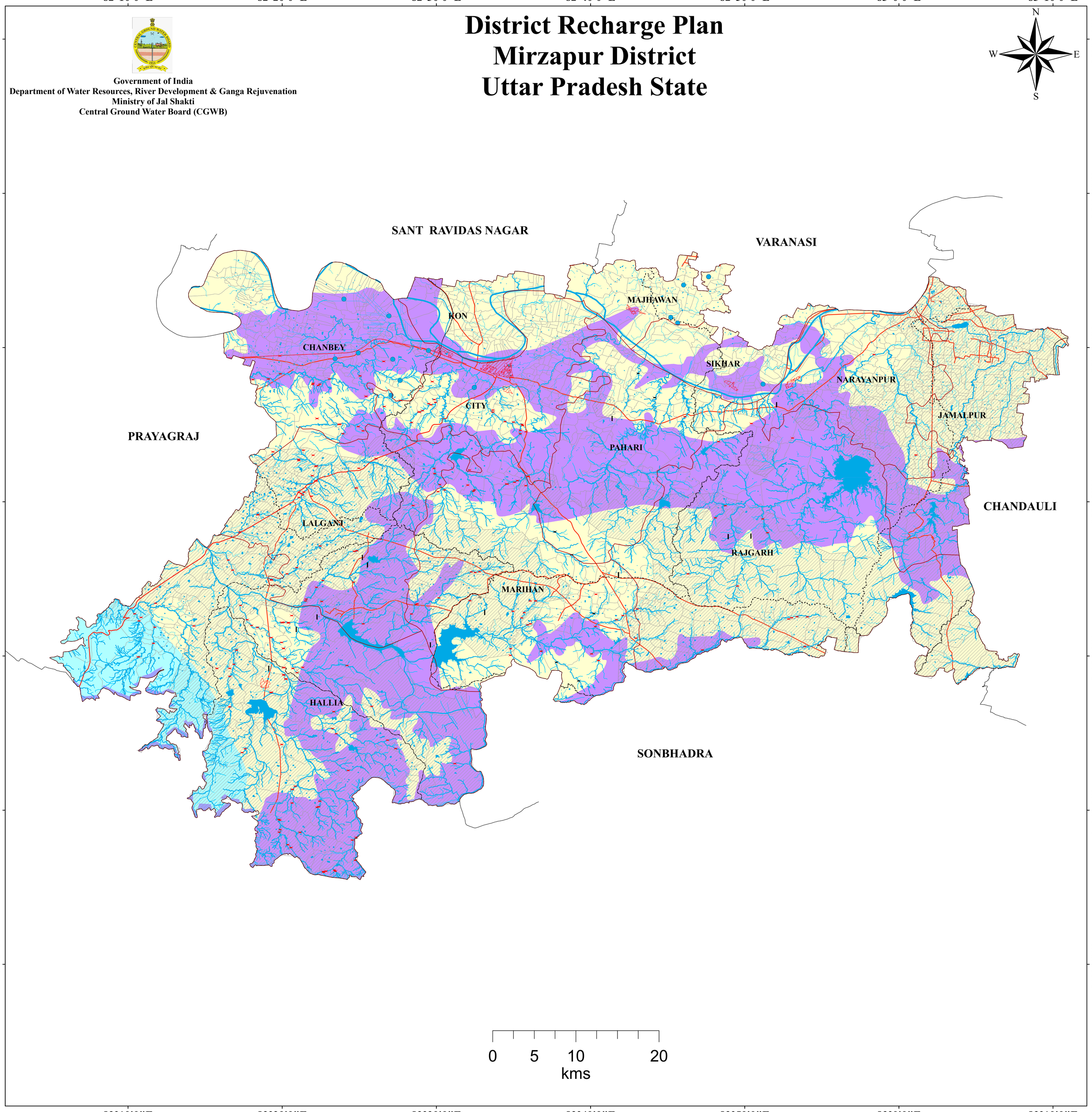
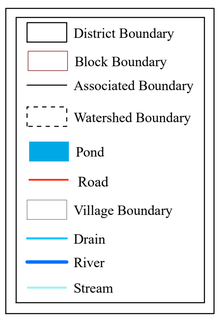
Government of India
Department of Water Resources, River Development & Ganga Rejuvenation
Ministry of Jal Shakti
Central Ground Water Board (CGWB)

District Recharge Plan
Mirzapur District
Uttar Pradesh State

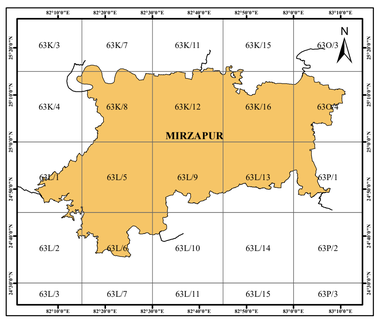


Index

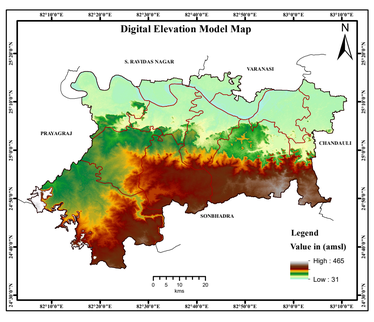


Index Map Of Uttar Pradesh

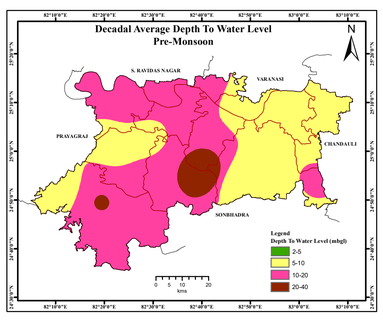
SOI Toposheet Index

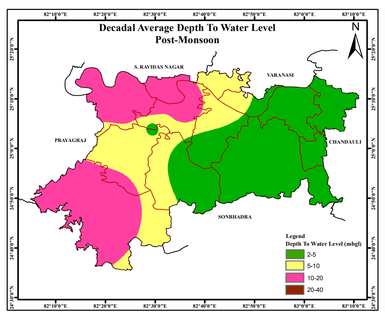


Digital Elevation Model



Depth to Water Level Maps





General Features

Geographical Area (Sq.km)	4518
Blocks (Nos.)	12
Gram Panchayaths	809
Urban Habitat (Nos.)	1
Normal Annual Rainfall (mm)	848
Area Suitable for AR (Sq.km)	2124
Subsurface Storage Potential (MCM)	331
Source Water Requirement (MCM)	440

Artificial Recharge Structures

Type of Structure	No.of Proposed Structures
Desilting Existing Pond	15
Ponds	2296
Proposed Check dam	7
Existing Check dam	229
Recharge Tube wells	19
Urban area	Roof Top Rain Water Harvesting Structures.All Govt Buildings and houses with Roof Area >200 sq.km.
Sallow water level (<5m)	Area Suitable for water conservation

Principal Aquifers

Index	Principal Aquifer
	Older Alluvium
	Quartzite
	Sandstone With Shale
	Sandstone/Conglomerate

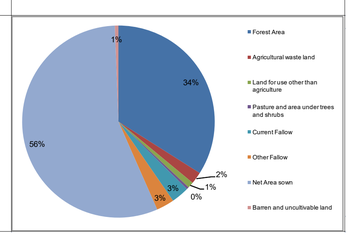
Ground Water Scenario

Decadal Average Depth To Water Level (Pre-Monsoon) mbgl	
Min	5.00-10.00
Max	20-40
Major Range	5.00-10.00
Decadal Average Depth To Water Level (Post-Monsoon) mbgl	
Min	2.00-5.00
Max	10.00-20.00
Major Range	5.00-10.00

Ground Water Quality

Sl. No.	Water Quality Parameter	Permissible Limits	Obtained Value	Mandals showing more than permissible limits
1	Electrical Conductivity (EC) (µS/cm)	<3000	235-1955	Nil
2	Fluoride(mg/l)	<1.5	0 to 1.40	Nil
3	Nitrate (mg/l)	<45	0-145	Chanbey, Mirzapur HQ & Pahari
4	Iron(mg/l)	<1	0.05-3.00	Haliya, Kon, Lalganj & Raigarh
5	Arsenic(mg/l)	<0.01	0.001-0.014	Nil
6	Uranium(mg/l)	<0.03	0.004-0.015	Nil

Salient Features

Major Geomorphic Landforms	Older alluvium plain, burried/ weathered pedeplain, dissected pediment, residual hills, piedmont inselberg
Major Issues	GW Exploitation (SOGE-62.70), Contaimination (Geogenic & Anthropogenic), Deep water levels
Cropping Pattern(%)	Rice, Wheat, Groundnut, Musturd etc.
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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