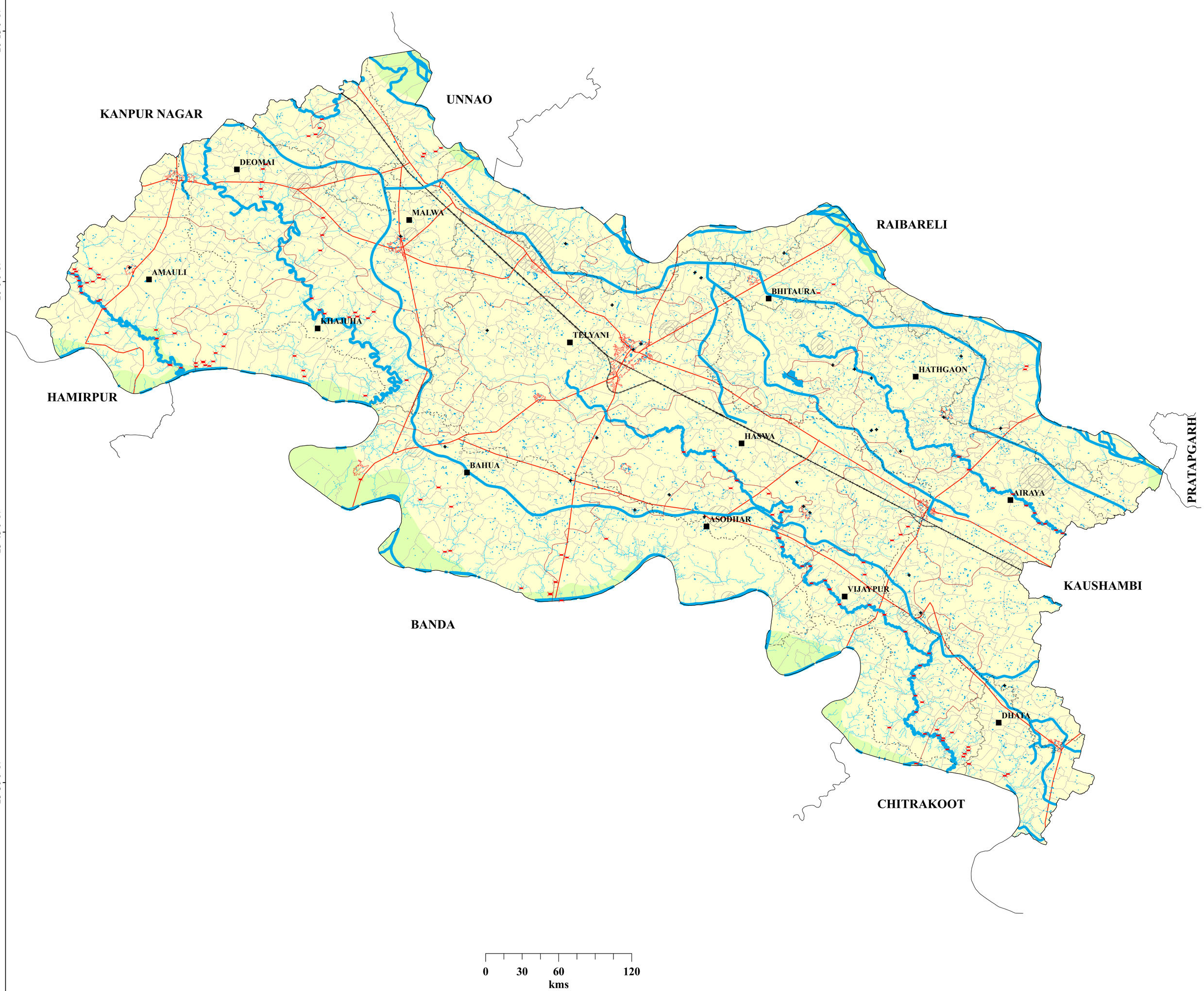
Government of India
Department of Water Resources, RD & GR
Ministry of Jal Shakti
Central Ground Water Board

District Recharge Plan
Fatehpur District
Uttar Pradesh State

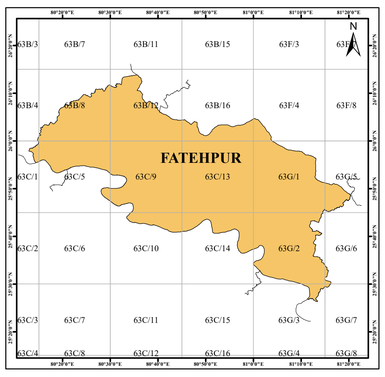


Index

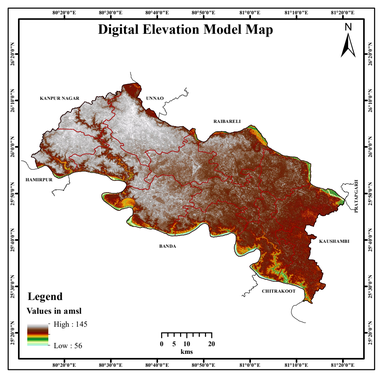
- Associated Boundary
- District Boundary
- Block Boundary
- Village Boundary
- Watershed Boundary
- River / Water Bodies
- Drainage
- Major Road
- Railway

Index Map Of Uttar Pradesh

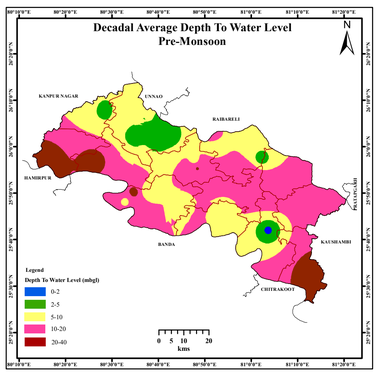
SOI Toposheet Index

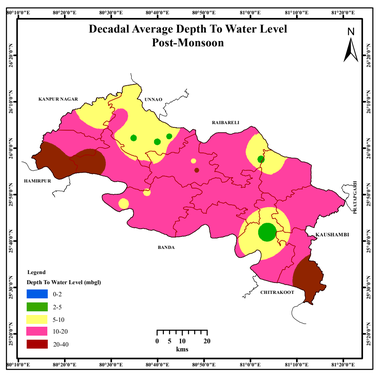


Digital Elevation Model



Depth to Water Level Maps





General Features

Geographical Area (Sq.km)	4145
Blocks (Nos.)	13
Gram Panchayats (Nos.)	840
Urban Habitats(Nos.)	1
Normal Annual Rainfall (mm)	669.26
Area Suitable for AR (Sq.km)	4075.45
Subsurface Storage Potential (MCM)	2792
Source Water Requirement (MCM)	3713.36
Surplus Runoff Available (MCM)	98.19

Artificial Recharge Structure

Type of Structure	No. of Proposed Structures
Destiling /Deepening of Existing Pond	1825
Existing Pond(To be protected for water Conservation)	4790
Proposed Recharge Shaft	31
Existing Check Dam	156
Proposed Check Dam	0
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
	Older Alluvium
	Younger Alluvium

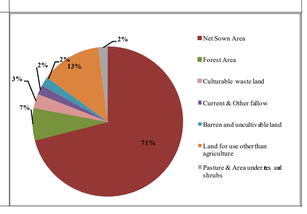
Ground Water Scenario

Decadal Average Depth To Water Level Pre-Monsoon (m bgl)	
Min	1.58
Max	28.77
Major Range	5 to10
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	3.33
Max	27.87
Major Range	10 to 20

Ground Water Quality

Water Quality Parameter	Permissible Limits	Obtained Value	Blocks showing more than permissible limits
Electrical Conductivity (EC) (µS/cm)	<3000	526-3179	Malawan
Flouride (mg/l)	<1.5	0.26-3.8	Malawan
Nitrate (mg/l)	<45	2.4-100	Malawan
Iron (mg/l)	<1	0.085-2.706	Deomai,Malawan
Arsenic (mg/l)	<0.01		
Uranium (mg/l)	<0.03	0.077-0.089	Malawan,Telyani

Salient Features

Major Geographical Landform	Younger and Older Alluvial Plains
Major Issues	High Groundwater Exploitation(Average SOGE-72.41%)
	Contamination (Gegenic,Anthropogenic)
	Deep Water Levels
	Declining water level trends
Cropping Pattern(%)	Paddy,Jowar,Urad,Moong,Arhar,Wheat
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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