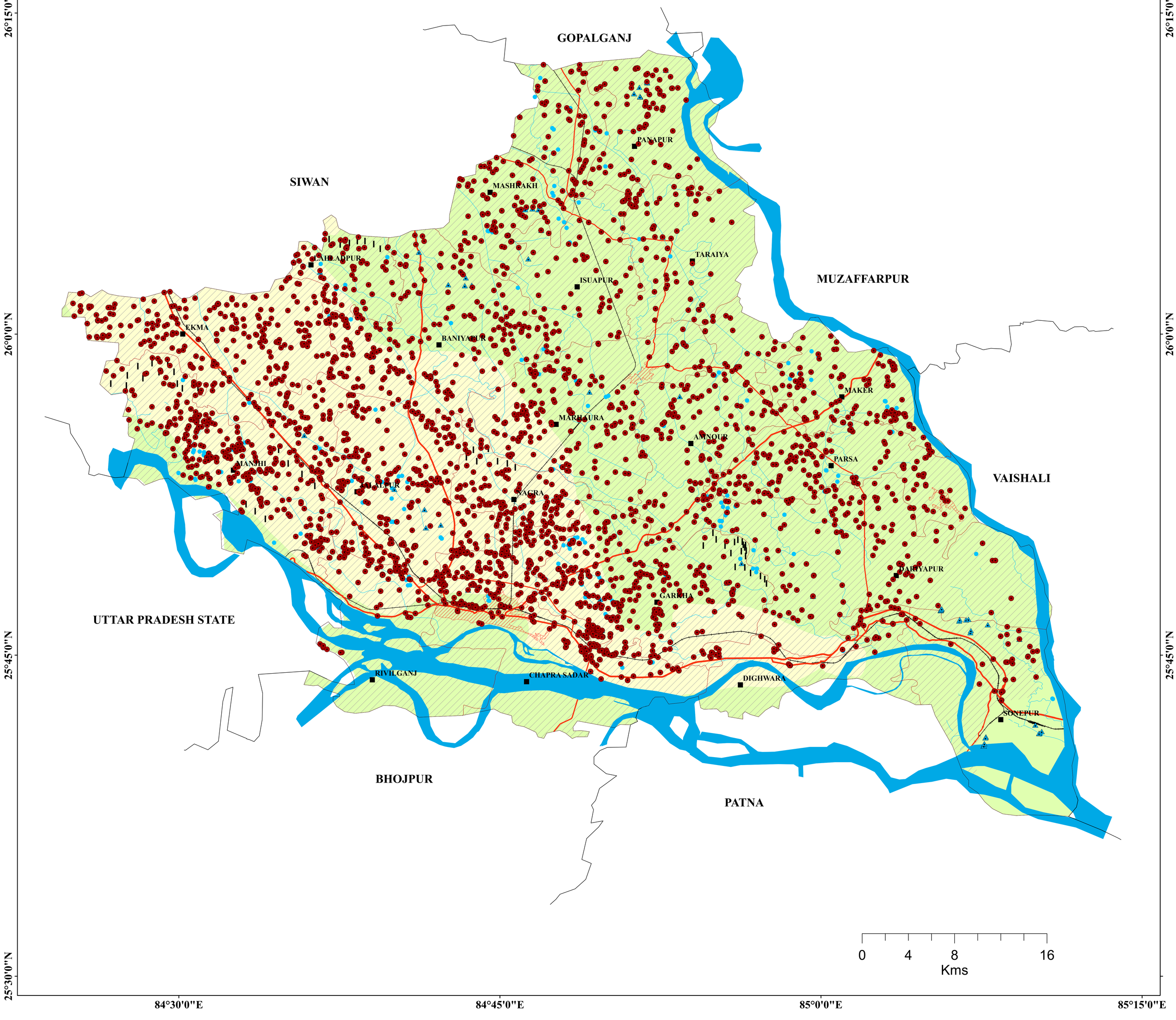
District Recharge Plan
Saran District
Bihar State

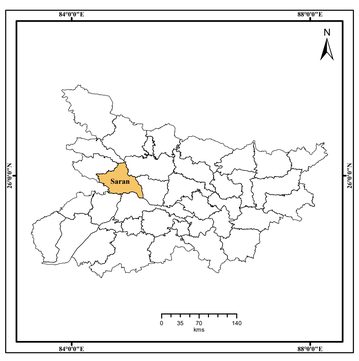
Government of India
Department of Water Resources, River Development & Ganga Rejuvenation
Ministry of Jal Shakti
Central Ground Water Board (CGWB)



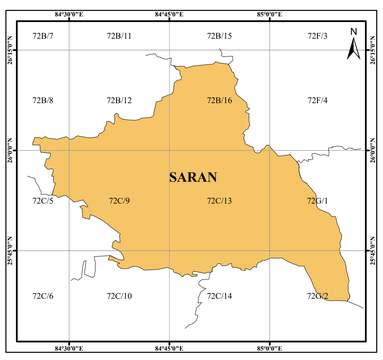
Index

- Associated Boundary
- District Boundary
- Block HQ
- Block Boundary
- Village Boundary
- Watershed Boundary
- River
- Pond Location
- Drainage
- Railway Line
- Major Road

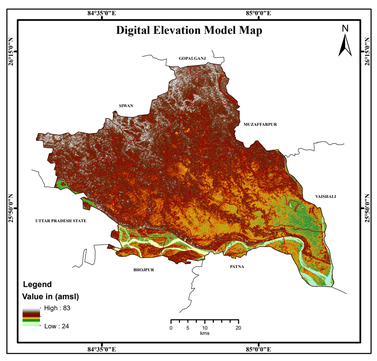
Index Map Of Bihar



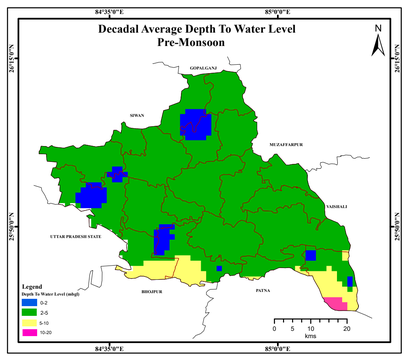
SOI Toposheet Index

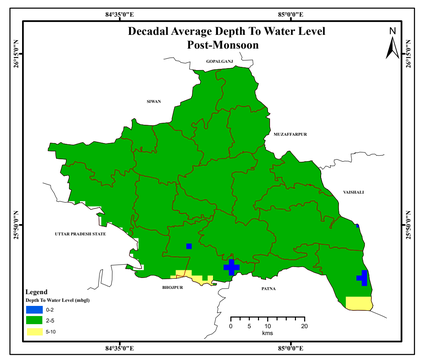


Digital Elevation Model



Depth to Water Level Maps





General Features

Geographical Area (Sq. Km)	2630
Blocks (Nos.)	20
Panchayat Villages (Nos.)	318
Urban Habitats (Nos.)	3
Normal Annual Rainfall (mm)	1140
Area Suitable for Artificial Recharge (Sq. Km)	405.56
Sub-Surface Storage Potential (MCM)	53.61
Source Water Requirement (MCM)	82.56
Total Surplus Runoff Available (MCM)	1710.47

Artificial Recharge Structures

Type Of Structure	No. Of Proposed Structure
Ahar	73
Pyne	1317
Injection Well	54
Desilting Ponds	3431
Urban Area	Roof Top Rain water Harvesting Structutres.All Govt. Buildings & Houses with Roof Area >200Sq.m
	Area suitable for Artificial Recharge

Principal Aquifers

Index	Principal Aquifer
	Younger Alluvium
	Older Alluvium

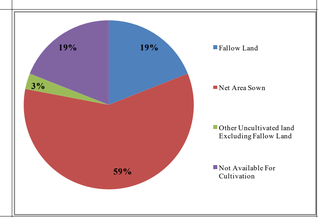
Ground Water Scenario

Decadal Average Depth To Water Level Pre-Monsoon (m bgl)	
Min	0.56
Max	13.31
Major Range	2-5
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	0.60
Max	7.2
Major Range	2-5

Ground Water Quality

Water quality Parameter	Permissible limit	Obtained Value	Mandals showing more than permissible limits
Electrical Conductivity (µs/cm)	< 3000	588-2710	-
Fluoride (mg/l)	< 1.5	0.05-0.91	-
Nitrate (mg/l)	< 45	0.03-26.2	-

Salient Features

Major Geomorphic Landform	Older and Younger Alluvium
Major Issues	Number of OCS Block = 4 (GWRE - 2017)
Cropping Pattern (%)	Paddy,Wheat,Maize,Arhar,Gram and Lentil
Land Utilization%	

**Location of the proposed Artificial Recharge Structures shows on the map are indicative and require field verification.*

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