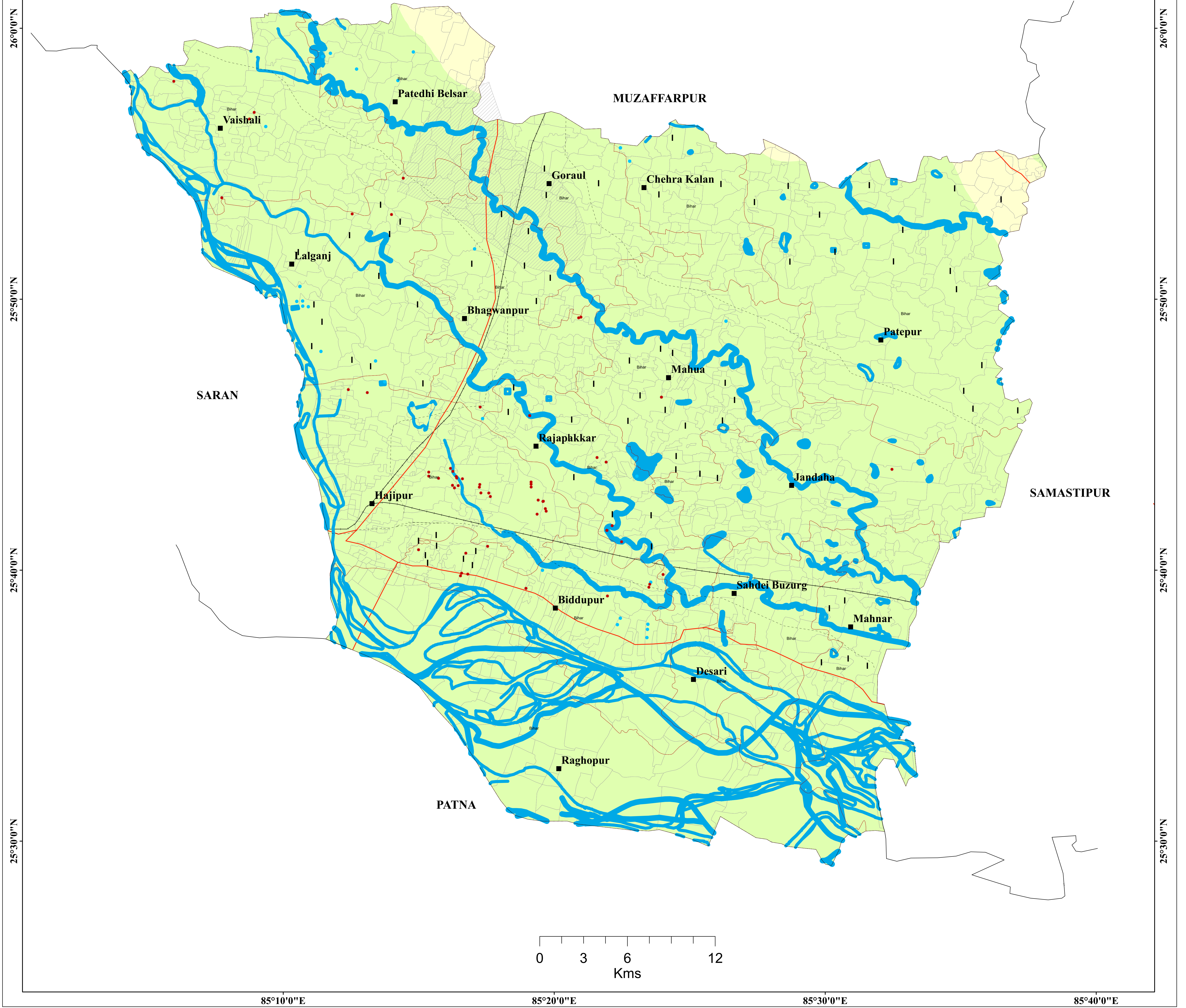
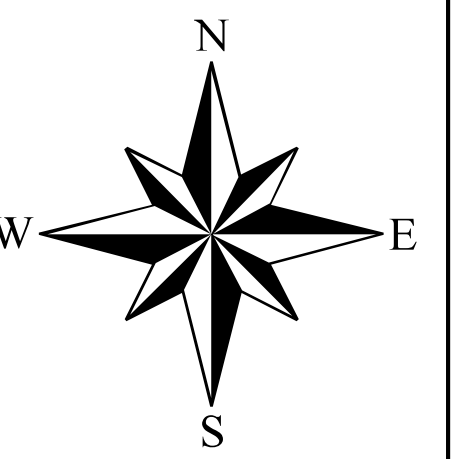


Government of India
Department of Water Resources, River Development & Ganga Rejuvenation
Ministry of Jal Shakti
Central Ground Water Board (CGWB)

District Recharge Plan

Vaishali District

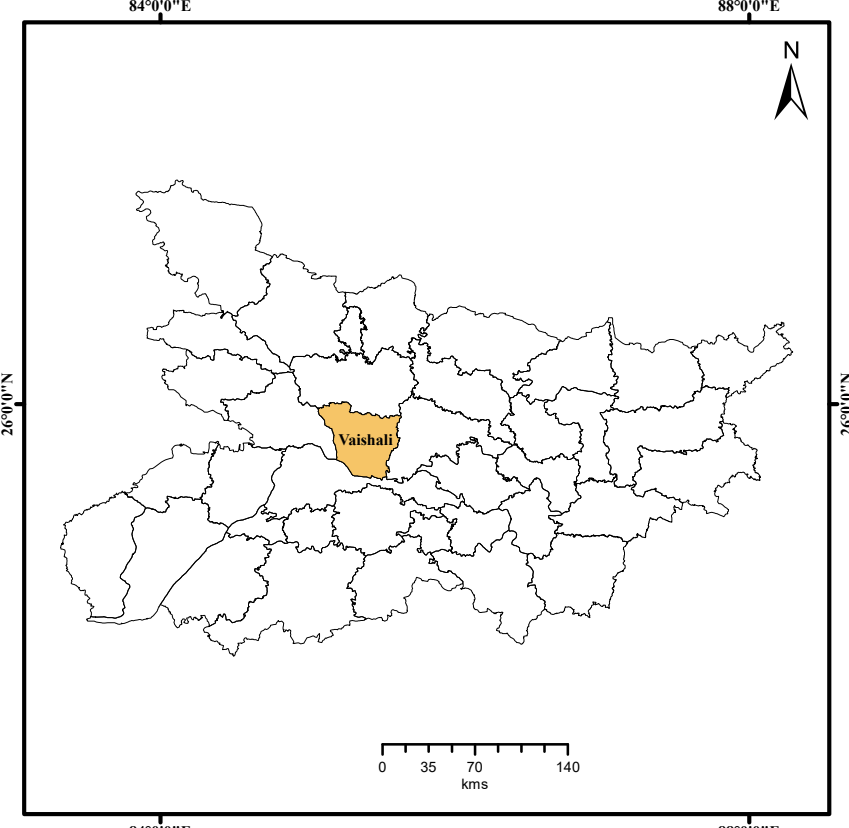
Bihar State



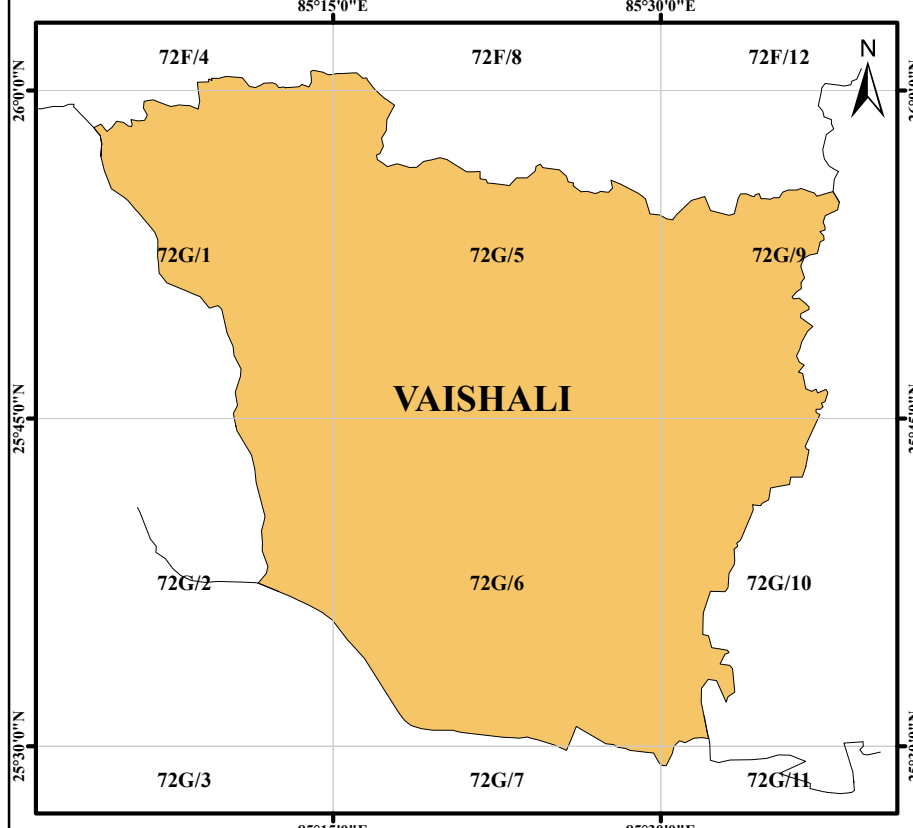
Index

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

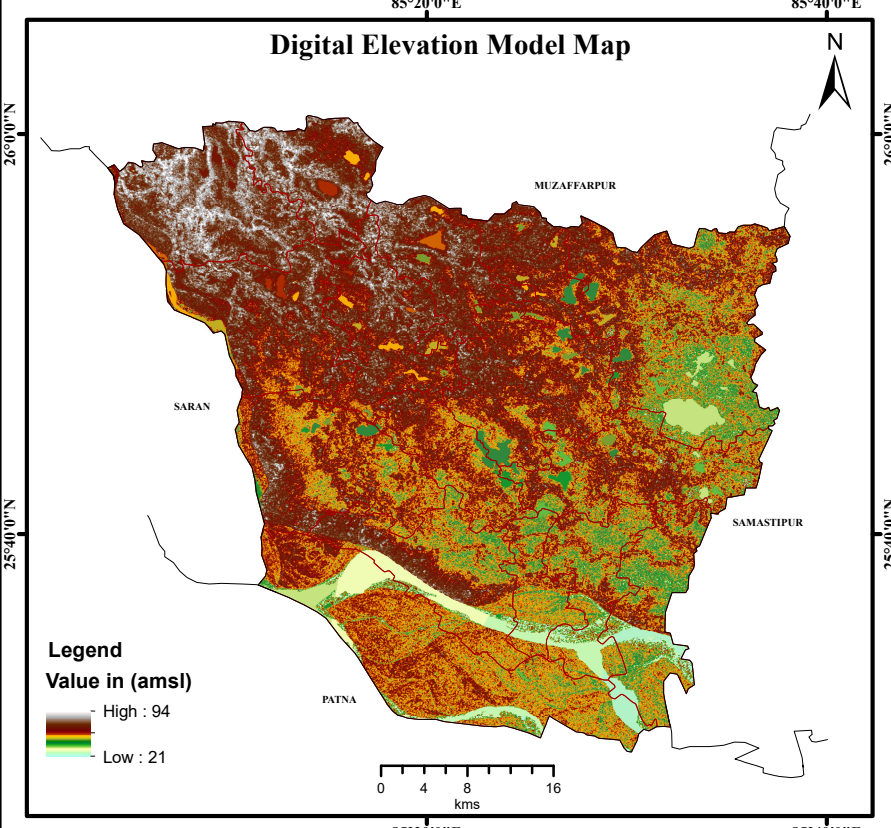
Index Map Of Bihar



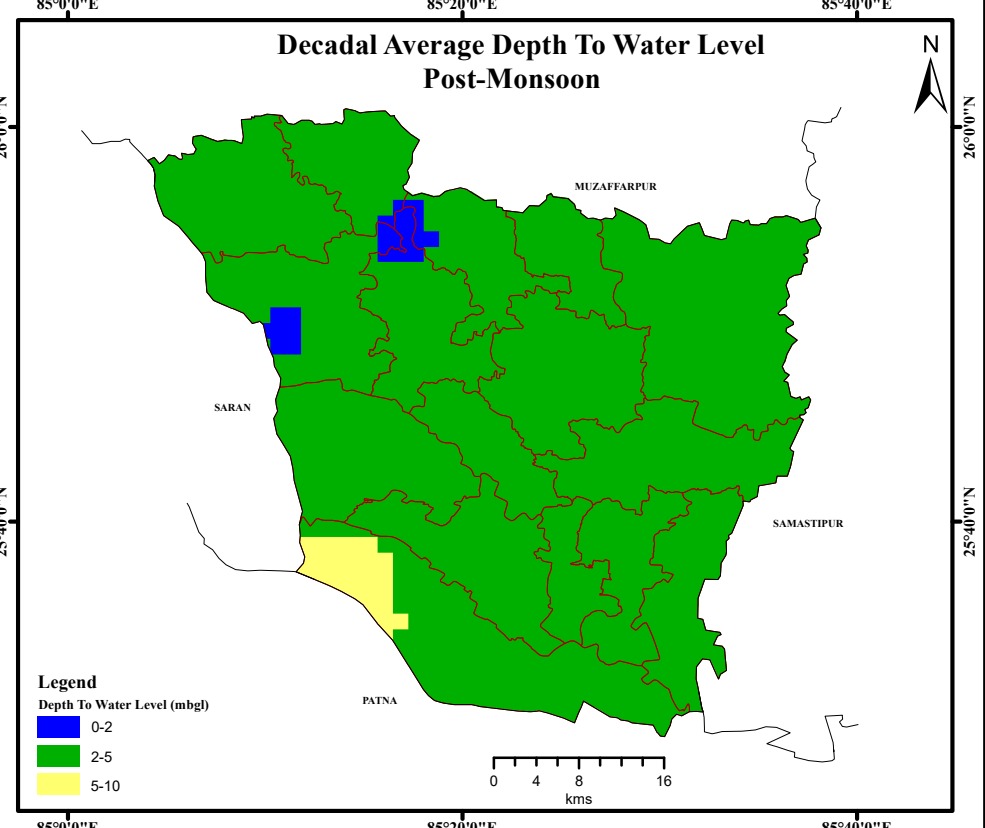
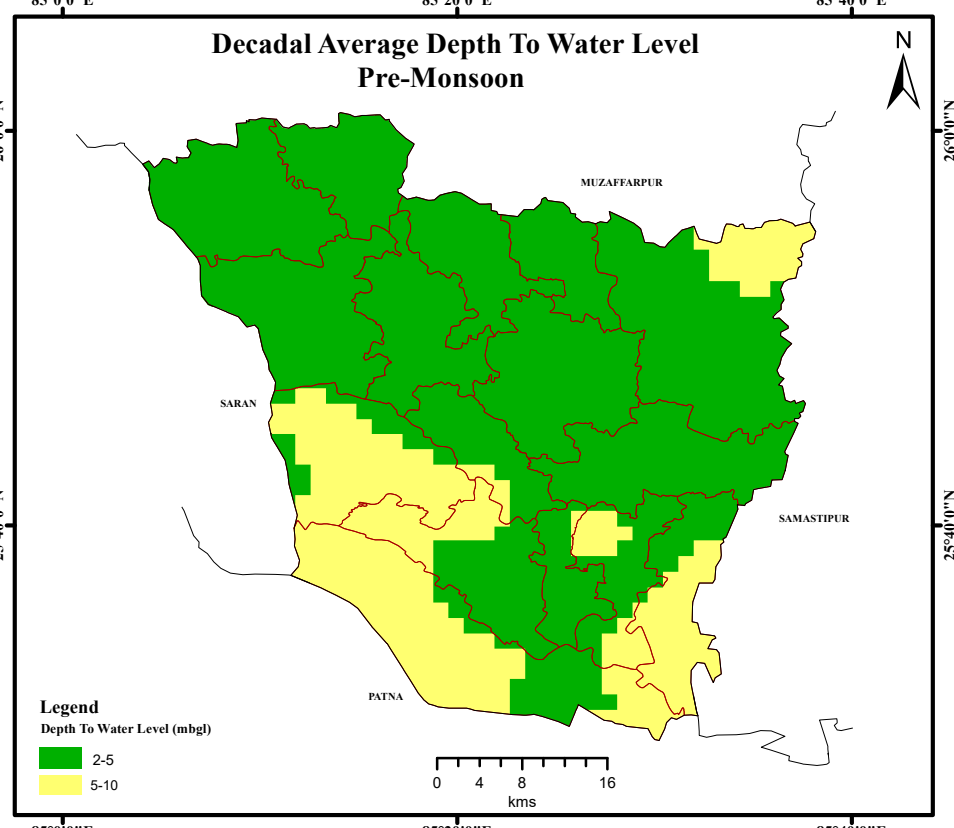
SOI Toposheet Index



Digital Elevation Model



Depth to Water Level Maps



General Features

Geographical Area (Sq. Km)	2036
Blocks (Nos.)	16
Panchayat Villages (Nos.)	290
Urban Habitats (Nos.)	3
Normal Annual Rainfall (mm)	1168
Area Suitable for Artificial Recharge (Sq. Km)	1007.61
Sub-Surface Storage Potential (MCM)	238.56
Source Water Requirement (MCM)	367.38
Total Surplus Runoff Available (MCM)	1288.11

Artificial Recharge Structures

Type Of Structure	No. Of Proposed Structure
Injection Well	77
Desiltation Of Pond	61
Urban Area	Roof Top Rain water Harvesting Structures.All Govt. Buildings & Houses with Roof Area >200Sq.m
Shallow Water Level (<3m)	Area not 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	2.11
Max	8.2
Major Range	2-5
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	1.8
Max	7.85
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	598-1802	Nil
Fluoride (mg/l)	< 1.5	0.04-0.67	Nil
Nitrate (mg/l)	< 45	0.07-26.49	Nil

Salient Features

Major Geomorphic Landform	Alluvium brought by the Ganga,the Gandak and distributaries of Gandak.
Major Issues	Number of OCS Block = 8 (GWRE2017)
Cropping Pattern (%)	Sugarcane and Wheat
Land Utilization%	

*Location of the proposed Artificial Recharge Structures shows on the map are indicative and require field verification.
Central Ground Water Board (CGWB), Mid Eastern Region, Bihar, Email: rdmer-cgwb@nic.in