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

District Recharge Plan
Katihar District
Bihar State

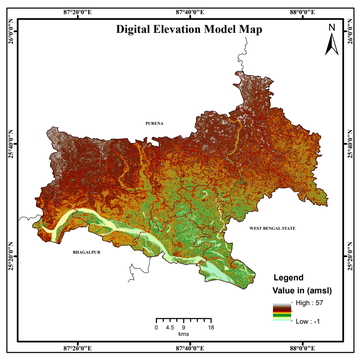
Index

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

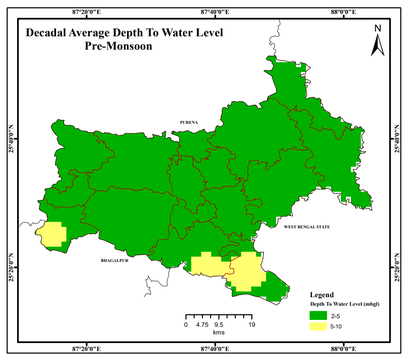
Index Map Of Bihar

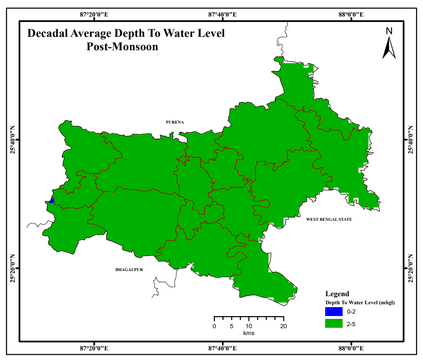
SOI Toposheet Index

Digital Elevation Model



Depth to Water Level Maps





General Features

Geographical Area (Sq. Km)	3057
Blocks (Nos.)	16
Panchayat Villages (Nos.)	234
Urban Habitats (Nos.)	4
Normal Annual Rainfall (mm)	1342.8
Area Suitable for Artificial Recharge (Sq. Km)	1726
Sub-Surface Storage Potential (MCM)	
Source Water Requirement (MCM)	309.51
Total Surplus Runoff Available (MCM)	2233

Artificial Recharge Structures

Type Of Structure	No. Of Proposed Structure
Desiltation of Oxbow Lake	11
Injection Well	6
Desiltation Of Pond	414
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	

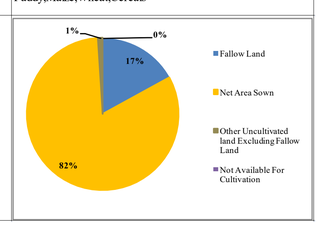
Ground Water Scenario

Decadal Average Depth To Water Level Pre-Monsoon (m bgl)	
Min	3.4
Max	6.34
Major Range	2-5
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	2.4
Max	4.9
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	122-1636	Nil
Fluoride (mg/l)	< 1.5	0.05-0.64	Nil
Nitrate (mg/l)	< 45	0.5-30.28	Nil

Salient Features

Major Geomorphic Landform	Consists of Alluvial Plain,the area represents flat topography with regional slope towards south.
Major Issues	Arsenic contamination =16,Number of OCS Block=8 (GWRE2017)
Cropping Pattern (%)	Paddy,Maize,Wheat,Cereals
Land Utilization%	

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

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