District Recharge Plan
Bhojpur 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)	1819.31
Blocks (Nos.)	14
Panchayat Villages (Nos.)	228
Urban Habitats (Nos.)	6
Normal Annual Rainfall (mm)	13132
Area Suitable for Artificial Recharge (Sq. Km)	234.55
Sub-Surface Storage Potential (MCM)	108.81
Source Water Requirement (MCM)	167.57
Total Surplus Runoff Available (MCM)	1471.31

Artificial Recharge Structures

Type Of Structure	No. Of Proposed Structure
Injection Well	24
Oxbow Desiltation	18
Renovation Of Pond/Ahar/Pyne	826
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

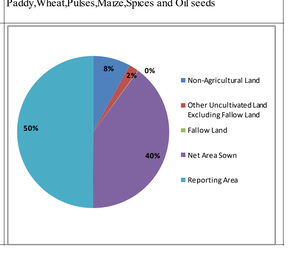
Ground Water Scenario

Decadal Average Depth To Water Level Pre-Monsoon (m bgl)	
Min	2.51
Max	11.71
Major Range	5-10
Decadal Average Depth To Water Level Post-Monsoon (m bgl)	
Min	1.75
Max	8.21
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	478-2100	-
Fluoride (mg/l)	< 1.5	0.41-1.37	-
Nitrate (mg/l)	< 45	0.23-233	Bhojpur (Udwantnagar)

Salient Features

Major Geomorphic Landform	Mainly covered with Alluvium and hard rocks of Vindhyan Supergroup are situated at the southwestern side beyond the district boundary.
Major Issues	Arsenic Contamination of groundwater in the blocks adjoining to river Ganga;Shahpur,Behea,Barhara,Ara and Koliwar
Cropping Pattern (%)	Paddy,Wheat,Pulses,Maize,Spices and Oil seeds
Land Utilization%	

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

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