

9.3 Hirakud Reservoir

Name: Hirakud Reservoir

Location: 83° 22' 45" - 83° 26' 16" E
21° 50' 10" - 21° 46' 54" N

Wetland type: Reservoir/Barrage

Average annual rainfall: 150 cm

Area: 65073 ha

It is the world's longest main stream dam having a length of 4800 m. The live capacity at Full Reservoir Level (FRL) is 5.378 billion cubic meter. It drains an area of 141 600 sq km of which 46.5% lie in Orissa. It is a multi-purpose dam meant for irrigation, flood control and power generation. It irrigates around 264228 ha of land. The power installed is 270MW.

Water temperature varies from 21°C to 30°C and pH values range from 7.3 to 8.5.

Phytoplankton include 39 recorded species and zooplankton consists of 10 species belonging to Rotifera, Cladocera, Copepoda.



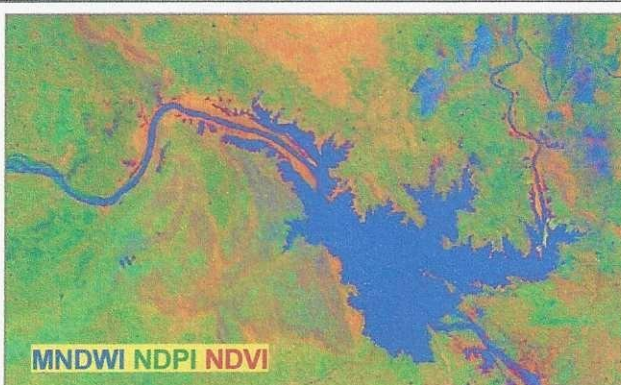
IRS P6 LISS-III FCC (19/11/2006)



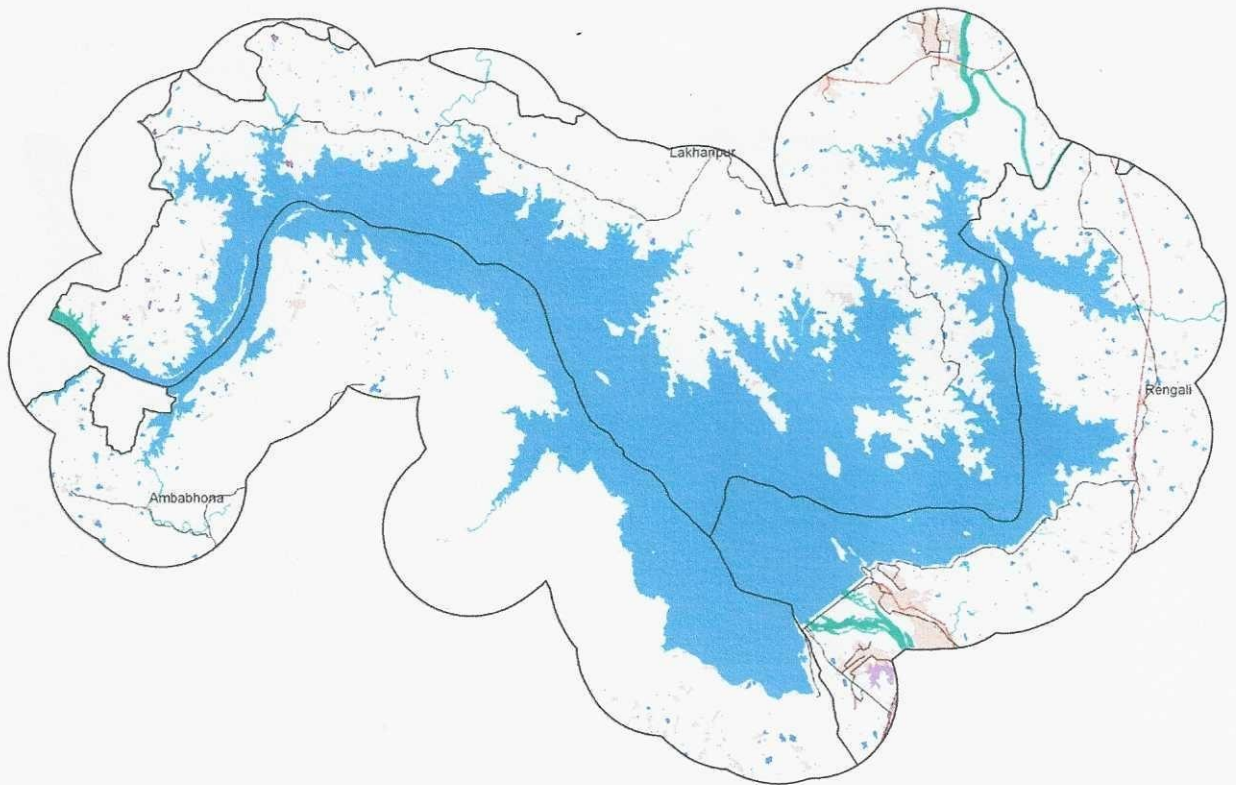
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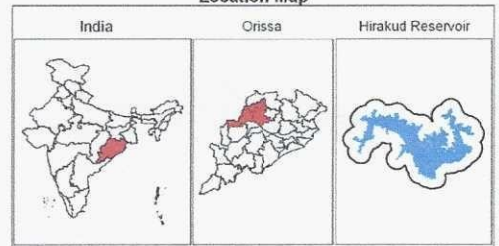


Symbol	Typecode	Level I	Level II	Level III
		Inland Wetlands		
			Natural	
	1101			Lakes/Ponds
	1102			Ox-bow lakes/ Cut-off meanders
	1103			High altitude wetlands
	1104			Riverine wetlands
	1105			Waterlogged
	1106			River/Stream
			Man-made	
	1201			Reservoirs/Barrages
	1202			Tanks/Ponds
	1203			Waterlogged
	1204			Salt pans
		Coastal Wetlands		
			Natural	
	2101			Lagoons
	2102			Creeks
	2103			Sand/Beach
	2104			Intertidal mud flats
	2105			Salt marsh
	2106			Mangroves
	2107			Coral reefs
			Man-made	
	2201			Salt pans
	2202			Aquaculture ponds

Legend

- Wetlands (<2.25 ha)
- Settlements
- Canal
- Railway
- Drainage (line)
- Roads
- Town/Settlements
- District Boundary
- State Boundary
- International Boundary

Location Map



0 4 8 16 Kilometers

Data Source :
IRS P6 LISS III data (Pre-monsoon and Post-monsoon Season 2006-07)

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Hirakud Reservoir

