

## Inventory of Degraded lands of Gaya District of Bihar, Using Remote Sensing Techniques

### ABSTRACT

1.	a) Kind of Survey	Land Degradation Mapping
	b) Level of mapping	Reconnaissance
	c) Map Scale	1:50,000
2.	Period of Survey	January 1998
3.	Base Material	Indian Remote Sensing Satellite IRS - IB Liss II (FCC 2,3,4 Bands) data and Survey of India (SOI) toposheets on 1:50,000 scale
4.	a) Total area of the District	4,73,659 ha.
	b) Agro-climatic Zones	(i) " The middle Gangetic Plain Region " ( National Planning Commission ) (ii) " South Bihar alluvial Plain " ( National Agricultural Research Programme ) ICAR & IBRD 1982
	c) Geographical extent	24°15' – 25°05' –North latitude and 84°15' – 85°24' – East longitude.

### 5. Statement showing nature and extent of degraded lands in district Gaya

Sl.No.	Degradation type	Area (ha)	Percentage ( % )
1.	Water erosion (We)		
	a) Severe Water erosion (sheet, rill & few gullies)	6,618	1.39
	b) Very Severe Water erosion (gullied land open scrub thin vegetation)	950	0.20
2.	Salt affilication (Sa) Moderately Saline	33	0.01
3.	Rock quarry (Rq) Rock Quarry	38	0.01
4.	Brick Kiln (Bk) Brick Kiln	88	0.02
	<b>Grand Total</b>	<b>7,727</b>	<b>1.63</b>