

Inventory of Degraded Lands of Ratlam District of Madhya Pradesh State using Remote Sensing Techniques

ABSTRACT

Kind of Survey	: Land Degradation Mapping
Level of mapping	: Reconnaissance
Scale	: 1: 50, 000
Period of survey	: March, 2002 & June to July, 2002
Base Material	: IRS – 1B, LISS – II FCC (<i>Band 2, 3 & 4</i>) on 1 : 50, 000 scale and Survey of India Toposheet on 1: 50, 000 scale
Total area of District	: 4,86,007 ha
Agro climatic Zone	: Central Plateau & Hill / Region
Geographical Extent	: 23° 5' to 23° 55' N Latitude 74° 30' to 74° 42' E Longitude

Nature & Extent of Degraded Land in Ratlam District, M.P.

Sl. No.	Kinds and Severity of Degradation	Area (ha)	%
1.	Severe to very severe water erosion	151784	31.23
2.	Gullied & Ravinous Land	8460	1.74
3.	Normal Land	316513	65.13
4.	Miscellaneous Land	9250	1.90
	Total	4,86,007	100.00

- * 160244 ha (32.97%) of the total area of Ratlam district is degraded due to water erosion.
- * 8460 ha (1.74%) of the district area is gullied & ravinous.
- * 316513 ha (65.13%) of the total area is normal land.
- * 9250 (1.90%) ha area is put under the miscellaneous uses such as road, habitation and water bodies.