

# **Inventory of Degraded Lands of Aizawl District of Mizoram, Using Remote Sensing Techniques**

## **Abstract**

- 1. Kind of Survey:** Land Degradation Mapping
- 2. Level of Mapping:** Reconnaissance
- 3. Scale:** 1:50,000
- 4. Period of Survey:** November 2000 to March 2001
- 5. Base Materials:**
  - I) IRS-1D Geocoded Satellite Imagery (1:50,000 scale)
  - II) Survey of India Topographical Maps in 1:50,000 scale
- 6. Total Area of the District:** 3,57,631 ha
- 7. Agroclimatic Zone:** Eastern Himalayan Region (II) as per Planning Commission
- 8. Geographical Extent:** 23° 20' to 24° 24' N Latitudes and 92° 37' to 93° 12' E Longitudes

## 9. Nature and Extent of Degraded Land

Sl. No.	Mapping Symbol	Description	Area(ha)	%
<b>Degradation due to Severe Water Erosion</b>				
1.	We1d2	Forest, hilly	27,135	7.59
<b>Degradation due to Shifting Cultivation</b>				
2.	Sc1d2	Forest, hilly, Current Jhumland	37,374	10.45
3.	Sc2d2	Forest, hilly, Abandoned Jhumland	44,675	12.49
<b>Total Degraded Land</b>			<b>1,09,184</b>	<b>30.53</b>

## 10. Nature and Extent of Normal Land

Sl. No.	Mapping Symbol	Description	Area(ha)	%
1.	1	Agriculture	499	0.14
2.	2	Forest	2,40,405	67.22
3.	H	Habitation	5,651	1.53
4.	R	River	1,892	0.53
<b>Total Normal Land</b>			<b>2,48,447</b>	<b>69.47</b>

## 11. Salient Feature:

- Shifting Cultivation is the main degradation type covering 22.94% of the total district area. The area covered by current Jhumland is 37,374 ha (10.45%) while that of abandoned Jhumland is 44,675ha. (12.49%).
- Degradation due to severe water erosion covers 27,135 ha. (7.59%) of the total district area.