

# Inventory of Degraded Lands of Lalitpur district, Uttar Pradesh using Remote Sensing Techniques

## ABSTRACT

- **Kind of Survey** : Land Degradation Mapping
- **Level of Mapping** : Reconnaissance
- **Scale** : 1:50, 000
- **Period of Survey** : Nov, 1994 to January, 1995
- **Base Materials** : IRS-IA LISS-II FCC (Band 2,3 & 4) on 1:50,000 scale  
Survey of India Toposheet on 1:50,000 scale
- **Total Area of District** : 5,04,149 ha
- **Agro-climatic Zone** : Central Plateau and Hill Region-VIII
- **Geographical Extent** : 24<sup>0</sup> 59' 36" to 25<sup>0</sup> 13' 19" N Latitude  
78<sup>0</sup> 10' 11" to 78<sup>0</sup> 59' 40" E Longitude
- **Nature and Extent of Degraded Lands in the Lalitpur district (Uttar Pradesh)**

S. No.	Kind/Severity of Degradation	Area (ha)	%
1.	Severe to very severe water erosion	72,825	14.4
2.	Gullied land	12,725	2.5
3.	Water-logged land	6,050	1.2
4.	Rock quarries and spoil	3,850	0.8
5.	Normal land	4,08,699	81.1
	<b>Total</b>	<b>5,04,149</b>	<b>100.0</b>

### ➤ **Salient Features:**

- ⇒ Of the total area of Lalitpur district, about 95,450 ha (18.9%) area is under land degradation.
- ⇒ About 85,550 ha (16.9%) area of the total district fall under land degradation due to water erosion.
- ⇒ About 6,050 ha (1.2%) and 3,850 ha (0.8%) area of the total district fall under seasonal waterlogging and rock quarries and spoils respectively.
- ⇒ About 49850 ha (52.2%), 38,825 ha (40.7%) and 6,775 ha (7.1%) area of total land degradation fall under agriculture, open scrub/other lands and forest lands, respectively.