

INVENTORY OF DEGRADED LANDS OF WEST SINGHBHUM DISTRICT, JHARKHAND STATE USING REMOTE SENSING TECHNIQUES

ABSTRACT

1. DETAILS OF SURVEY

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|--------------------|-----------------------------|
| ❖ Kind of survey | ✓ Land Degradation Mapping. |
| ❖ Level of mapping | ✓ Reconnaissance |
| ❖ Scale | ✓ 1: 50,000. |

2. PERIOD OF SURVEY

- ✓ January, 2003 and December, 2003

3. DATA TOOL

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|---------------|--|
| | ✓ IRS-1D, LISS-III FCC (<i>Band 2, 3, 4</i>).
On 1:50,000 |
| ❖ 1. Base map | ✓ Survey of India Toposheets
✓ 1: 50,000 scales. |

4. DETAILS OF AREA

- | | |
|--------------------------|--|
| ❖ Total area of district | ✓ 5, 29,021 ha. |
| ❖ Agro-climatic zones | ✓ VII Eastern Plateau Hill Region |
| ❖ Geographical extent | ✓ 21 ⁰ 57' to 22 ⁰ 54' <i>N Latitudes</i>
✓ 84 ⁰ 59' to 86 ⁰ 05' <i>E Longitude</i> |

5. NATURE, EXTENT AND PERCENTAGE OF DEGRADED LANDS IN WEST SINGHBHUM DISTRICT IN JHARKHAND STATE

Mapping Symbol	Description	Area (ha.)	Percentage
WATER EROSION (We)			
1	Severe , very severe water erosion	46553	8.8
2	Degradation due to open cast mining / Rock Quarrying	1493	0.29
3	Degradation due to stony waste/ Rocky waste	10493	1.99
4	Normal lands	462732	87.46
5	Miscellaneous lands	7750	1.46
Total		5,29,021	100.0