

Inventory of Degraded Lands of Agra district, U. P. Using Remote Sensing Techniques

ABSTRACT

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|---|---------------------------------|---|--|
| 1 | (a) Kind of Surve | - | Land Degradation Mapping |
| | (b) Level of Mapping | - | Reconnaissance |
| | (c) Scale | - | 1:50, 000 |
| 2 | Period of Survey | - | Dec. , 1992 to March, 1993 |
| 3 | Base Material | - | (i) IRS-IB LISS-II False colour composite on 1:50,000 scale
(ii) SOI toposheets on 1:50,000 scale |
| 4 | (a) Total area of district Agra | - | 4,00,369 ha |
| | (b) Agro-climatic zone | - | (5) Upper Gangetic plain |
| | (c) Geographical extent | - | Lat. 26°- 44' to 27° -24' N
Long. 77°-26' to 78° -50' E |

5. Statement showing nature and extent of degraded lands and normal lands in Agra district.

Sl. No.	Degradation type	Area (ha)	Percentage
1	Gullied land	12900	3. 22
2	Ravinous land	42225	10. 55
3	Salt affected land	2275	0. 57
4	Waterlogged land	28350	7. 08
5	Dunal land	2525	0. 63
6	Rock quarries & spoil	4025	1. 01
7	Brick kiln	350	0. 08
	Sub-total	92650	23. 14
	Normal land (non-degraded)	283727	70. 87
	Miscellaneous land	23992	5. 99
	Total	400369	100. 00

6. Salient findings

- Of the total area of 400369 ha of district Agra about 283727 ha (70. 9%) area is normal land.
- About 12900 ha (3. 22%) of the total area of district Agra suffers from severe and very severe gully erosion.
- About 42225 ha (10. 55%) area lies under moderate and severe ravinous lands and needs immediate soil conservation measures.
- About 2275 ha (0. 57%) area suffers from salinity and 28350 ha (7. 08%) area subject to water- logging.
- About 4025 ha (1. 01%) area is covered by rock spoils and stone quarry, 2525 ha (0. 63%) area covered by sandy dunal lands and 350 ha (0. 08%) area is subjected to brick kiln activity.