

Inventory of Degraded Lands of East Singhbhum District of Jharkhand, Using Remote Sensing Techniques.

ABSTRACT

1. Survey area - East Singhbhum district, Jharkhand.
2. Kind of survey - Land degradation mapping.
3. Level of mapping - Reconnaissance.
4. Mapping scale - 1 : 50, 000
5. Period of survey - May, 2001 and Feb., 2002.
6. Base material - i) IRS – ID Geocoded satellite imagery
(1 : 50, 000)
ii) Survey of India topographical maps
(1 : 50, 000)
7. Total area of the district - 3, 37, 155 ha.
8. Geographical extent - 22° – 12' – 45" to 23° - 0' – 0" North
latitude and 86°– 4' – 20" to 86° – 4' -30" East longitude
9. Agro-Climatic Zone - The Eastern plateau & Hill region (Code No.
VII as per National Planning Commission).
10. Salient Points
 1. Around 7 per cent of the total geographical area of East Singhbhum district suffering from severe to very severe water erosion.
 2. Nearly 25 per cent of the district area is covered by forest vegetation.
 3. About 2.83 lakh ha. out of 3.37 lakh ha. of the total geographical area of the district accounted as normal land.
 4. Degradation due to rock quarrying and industrial discharge is found to be negligible.
 5. About 59 per cent of the total district area is under normal agriculture practices and do not suffer from any kind of degradation process.