

Inventory of Degraded Lands of Saraikela-Kharsawan District of Jharkhand, Using Remote Sensing Techniques

ABSTRACT

1. Survey Area : Saraikela -Kharsawan District, Jharkhand State.
2. Kind of Survey : Land Degradation Mapping.
3. Level of Mapping : Rapid Reconnaissance
4. Mapping Scale : 1 : 50,000
5. Period of Survey : February 2007 and March 2007
6. Base Material : (i) IRS-ID Geo Coded Satellite Imageries on 1:50,000 Scale.
(ii) Survey of India Topographical Maps 1:50,000 Scale.
7. Geographical Area of the District : 2,72,340 ha.
8. Geographical Extent : 22⁰-29'-0" to 23⁰-09' - 30" North Latitude and 85⁰-31'-0" to 86⁰-13'-0" East Longitude
9. Agro-Climatic Zone : The Eastern plateau and Hill region (code No. VII as per (National Planning commission)
10. Salient Points :
 1. The extent of degraded lands is 37050 ha or 13.6 per cent of total area of the district.
 2. Severe to very severe water erosion is major degradation problem spread over 32285 ha. or 11.85 per cent of total area of district.
 3. Rocky waste, rock out crop and rock quarries covers 4765 ha which corresponds to 1.75 per cent of total area of district.
 4. Normal lands account for 219808 ha. that is about 80.72 per cent of total area of district.
 5. Land degradation is more acute on forest land accounting for 20740 ha. or 7.61 per cent of total area of district.