

Integrated Mission for Sustainable Development (IMSD) in Priority Watersheds of Selected Blocks/Districts in Uttar Pradesh and Uttaranchal

Year of Starting:1992

Year of Completion: 1999.

Funding Agency & Funds Received: Department of Space (DOS) Govt. of India. Rs. 212.00 lakhs

Objectives: The main objectives of this programme was to prepare thematic maps using satellite remote sensing data on 1:50000 scale and their integration with socio-economic data and ultimately to recommended suitable measures or prescriptions for those lands which are either lying waste or sub-optimally utilized, in order to achieve sustainable land and water resources development of the area.

Study Area: Allahabad, Almora, Bahraich, Ballia, Balrampur, Banda, Chamoli, Hamirpur, Mahoba, Jalaun, Jhansi, Lakhimpur, Lalitpur, Mainpuri, Mirzapur, Pauri Garhwal, Pithoragarh, Sharavasti, Sitapur, Sonbhadra, and Theri Garhwal.

Data Used: IRS-1A &1B, LISS-II; IRS-1C, LISS-III and LANDSAT, TM data of rabi, kharif and non-cropped seasons of 1991 to 1998.

Salient Results:

- Maps were prepared on Landuse /Landcover, soil, Hydrogeomorphology, Watershed/drainage/surface water body, Slope, Transport network and settlement location and Socio-economic status.
- Site specific land and water resources action plan maps were generated by integrating information obtained for different resources together with socio-economic and collateral data. Some of the major recommendations for land and water resources development are:-
 - * Double crop or intensive agriculture
 - * Water harvesting structures such as check dams / nala bunds
 - * Agro-horticulture / Agro-forestry / Afforestation
 - * Aquaculture / Pisciculture in water logged areas, ponds
 - * Fuel wood and fodder plantations
 - * Soil conservation through terracing and contour bunding / Roadside protection
 - * Alpine pasture development in higher elevations

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Recommendation/Special Achievements: It was a nation-wide programme under which integrated watershed development approach was adopted for sustainable development. Priority watersheds were selected in 22 districts of Uttar Pradesh. Management plans for land and water resources development were recommended.

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