

## **Forest Stock Mapping in Nagwa and Sonari Reserved Forests of Maharajganj district, U.P. using IRS LISS III & PAN Merged data and GIS technique**

**Year of Starting:** 2004

**Year of Completion:** 2005

**Funding Agency & Funds Received:** Govt. of U.P., under Plan Budget of the Centre.  
Rs. 2.50 lakhs

**Objectives:** The main objective was to prepare forest stock maps on 1:25,000 scale using IRS LISS-III and PAN merged images showing the latest status of forest cover.

**Study Area:** Nagwa and Sonari Reserved Forest, Maharajganj district, U.P., having area of about 17,133,ha.

**Data Used:** IRS LISS-III & PAN merged data acquired in May & Dec., 2004 have been used.

**Salient Results:** Based on the ground survey and interpretation key, map of forest stock has been prepared. The map shows various forest classes such as Agricultural land, Dense Deciduous forest (density 40-70%), Dense Deciduous forest (Density >70%), Dense scrub forest, Forest blank, Forest plantation, Grass land, Lake/ponds, Open deciduous forest (10-40%), Open deciduous forest (density <10%), Open scrub forest, River & Settlement and the area occupied by each class has been estimated.

**Project Personnel:** Dr. T.S. Kachhwaha, Head-FRED & Project Manager Sri P.Kunwar and Dr. Anil Kumar.