

Cartosat-1: 10 Years Completion (2005-2015)

Cartosat-1 Data Utilisation and Applications: Major Projects

1. Ground Control Point Library (GCPL)
2. CARTODEM-National DEM Generation
3. Indian Coast DTM for East and West coast of India for Tsunami Early Warning Centre- INCOIS
4. National Urban Information System (NUIS): 1:10,000 Scale Urban thematic mapping for 152 towns.
5. Space Based Information Support for Decentralised Planning (SIS-DP)
6. Topographic Mapping on 1:10,000 Scale of Jagatsinghpur District, Orissa.
7. Andaman & Nicobar Islands Topographic Mapping on 1:10,000 scale.
8. Large scale Operational Utilisation of Cartosat-1 data for Monitoring of Accelerated Irrigation Benefit Programme (AIBP) Projects
9. Cartosat-1 Data utilisation for Feasibility Assessment Study of Proposed Ken-Betwa Inter-Linking River Project.
10. Development of preliminary GIS database along the corridor of SardarSarovar Project submergence area.
11. CARTO DEM Applications in Hydrological and Hydrodynamic Modeling
12. Indian Island Information System
13. Cartosat-1 for Texture Based Forest Biomass Estimation
14. Re-calimative Grouping of Ravines Using Cartosat-1 Stereo Data
15. Cartosat-1 for Horticulture Crop Inventory
16. Landslide detection, Landslide Susceptibility and Landslide volume estimation.
17. Photogrammetric Methods for Mass Balance Estimation of Glaciers Using Cartosat-1 Stereo Data.

