

Land use and land cover analysis of Chiplun tehsil of Maharashtra using remote sensing and GIS

■ V. P. Mane, R. R. Gawali and A. P. Bowlekar

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See end of the Paper for authors' affiliation

Correspondence to :

A. P. Bowlekar

Dr. Budhajirao Mulik College of Agricultural Engineering and Technology, Mandki-Palvan, **Ratnagiri (M.S.) India**
Email: adwaitbowlekar1808@gmail.com

■ **ABSTRACT** : The land use and land cover of Chiplun tehsil were determined by using the Landsat images of 20, 30 and 40 m resolution, downloaded from GLCF-data imaginary via FTP server by selecting suitable path and row values on Google. The entire area of Chiplun tehsil was classified under the various land use and land cover classes such as water bodies, barren land, forest, settlement and agriculture land covering the area of 8.81, 250.98, 346.47, 26.06 and 487.32 km², respectively. Total area for this classification was found to be 1119.64 km² with Arc GIS 10.3 software with the per cent error of 0.02 per cent compared to actual area of Chiplun tehsil.

■ **KEY WORDS** : Land use, Land cover, Area, Chiplun

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