



GIS Solution for Calculating Corporation Infrastructure Taxes (CIT): A Case Study for Dehradun city

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(Received: 30 April, 2010; in final form December 8, 2011)

Abstract: Corporation tax is one of the most important sources of income for a municipal corporation. Although, there are many other forms of taxes, property tax is the single largest source of revenue for a city. As Dehradun city is expanding rapidly after becoming the state capital, new structures are coming up along all the three transportation corridors. With the increased infrastructure of the city, it is becoming difficult to handle all these new and existing built up structures with manual and traditional management systems. However, geospatial technologies integrated with databases offers an effective tool for easy assessment and management of corporation property taxes. The spatial support of the GIS for the area based tax calculation will help the management to assess the tax more accurately than the manual and semi automated methods. This study presents a simplified tax calculation system using geospatial technologies with the blend of information systems for effectively implementing the corporation infrastructure taxes in Dehradun city.