

3D CITY WIDE MAPPING OF NEW DELHI- END OF AN ERA OF MAPPING RESTRICTIONS

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ABSTRACT:

DELHI STATE SPATIAL DATA INFRASTRUCTURE PROJECT (DSSDI) The project is an outcome of a pilot scheme undertaken by Department of Science and Technology, Govt of India on 3D GIS in Delhi. Government of Delhi felt that the 3D database is immensely useful for various applications and it should immediately be created for entire NCT of Delhi and should be completed well before Common Wealth Games -2010. Survey of India published Expression of Interest and invited proposals in 2007. Navayuga Engineering Co Ltd signed USD 25 Million contract on March 7, 2008, having emerged L1 in the competitive bidding. For the first time in India an entire city has been mapped on large scale (1:2000) using aerial photography to produce an accurate base map, capture and overlaid all over/underground utilities, create 3D city model and undertake property survey of all dwelling units. The 3D city model shall provide flythrough facility along all major traffic arteries of Delhi and the entire data set will be accessed through DSSDI portal with secured assess of all line departments of the Govt of Delhi. The Chief Minister of Delhi, inaugurated first of the nine districts on 26th November 2009. Project is expected to be completed by July 2010. Once operational the project shall be remembered for directional change in Indian History and for end of an era relating to mapping restrictions. The paper shall discuss the design aspects, execution approach and lessons learnt. Author "Alok Upadhyaya" is leading the execution of this project.

TOPIC: Remote sensing applications

ALTERNATIVE TOPIC: Not Specified