From Paper Based Cadaster to Digital Cadaster Towards Transparency

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SUMMARY

Nepal has a long history in cadastral surveying which started from chain to plane table sur-vey, total station and now toward UAV. Despite the technologies adopted for data acquisition, land administration service was provided based on paper maps and documents. Digitization of the paper maps were conducted and gradually, digital cadastral data-based services started. During this period, different survey offices used to provide service from different version of the system, each office have its own server and thus, all the cadastral database were isolated at individual office and not centrally synchronized. Implementation of Nepal Land Information System (NeLIS) has overcome the drawbacks of previous system, which is developed in three tier client-server architecture with central database and application. The system has module for providing land administration service at the office and also the module for client where they can easily get service like map print, field book print, plot register print through the online system with digital revenue payment facility. Every transaction in NeLIS can be monitored live by the client putting the effort in enhancing the transparency in land administration services.

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