



NKANGALA DISTRICT MUNICIPALITY



PROCUREMENT OF GIS CADASTRAL DATA

(APPOINTMENT OF A GEOGRAPHIC INFORMATION SYSTEM SERVICE PROVIDER TO UNDERTAKE MAINTENANCE OF AN EXISTING GIS SYSTEM FOR TWENTY-FOUR (24) MONTHS FOR NKANGALA DISTRICT MUNICIPALITY) – PROJECT NO. 7996

C3	SCOPE OF WORK
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DESCRIPTIONS OF WORKS

GIS (Geographic Information System) technology has provided the Nkangala District Municipality with significant benefits such as: greater transparency, more effective asset management; improved delivery of services; the ability to visualize current status and to plan for future projects. However, GIS technology has not been used optimally due to its capabilities and benefits not being fully exploited by departments. For these reasons The Nkangala District Municipality has decided to do a thorough analysis of the present situation, learn from the developments and challenges, verify the actual data, tools and reporting available and come up with a 5-year plan that is flexible enough to build upon the capacities of the key institutional departments and the existing system.

Expanding on studies, investigations and assessments, Consultant will be required to:

1.

DATA CLEANSING

Data cleansing the process of detecting and rectifying (or deleting) of untrustworthy, inaccurate, or outdated information from a data set, archives, table, or database. It helps to identify incomplete, incorrect, inaccurate, or irrelevant parts of the data. By doing this bad data can then **replace, modify, or deleted**. Data cleaning can be performed interactively with data wrangling tools, or as batch processing through scripting. It involves:

- Monitoring errors of data
- Reducing risk of duplication
- Validate data accuracy
- Analysis of data



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2.

System maintenance

The latest GIS Platform	Receiving the latest GIS Platform which entails receiving notification of any time product updates when they are available, including feature enhancements, improved performance, and new functionality.
Unlimited access to E-learning	Receiving unlimited access to E-learning entailing the enjoyment of unlimited access to a large collection of self-paced e-learning resources to grow your ArcGIS skills and get the results you need.
Access to Seminars	Attending user sessions to learn about the latest tools and techniques
Technical support	This is a Maintenance plan, which can provide assistance by service provider at any time.
Data box	Receive a collection of South African national public datasets that is packaged and pre-configured to work with ARCGIS products.
ARCGIS Online subscription	The service provide must provide a 24 month subscription of an ARCGIS online platform

REQUIRED EXPERTISE

Personnel with adequate GIS tertiary qualifications.

Proof of Registration with South African Geomatics Council (SAGC)

GIS skills

DURATION OF PROJECT

Delivery must be within twenty-four (24) months after appointment.

PROJECT MANAGEMENT

Manager: Planning and Economic Development is responsible for operational day to day activities of the contract and the General Manager: Planning and Economic Development of the Nkangala District Municipality is overall responsible for the contract.