



ALFRED NZO
DISTRICT MUNICIPALITY

TERMS OF REFERENCE

**NAME OF THE PROJECT: GIS DATA MAINTAINANCE- RURAL SANITATION
FOR MATATIELE LOCAL MUNICIPALITY(WARDS 7 & 14)
2020/21 FINANCIAL YEAR**

Issued and Prepared by:
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1. BACKGROUND AND OVERVIEW OF THE PROJECT

1.1 INTRODUCTION

In 1996, the draft National Sanitation policy was developed with the sole purpose of improving the health and quality of life of the entire South African population. Promotion of access to improved sanitation facilities is one of the basic human rights that could assist in achieving the envisaged quality of life. Improved sanitation facilities refers to the percentage of population with at least adequate access to excreta disposal facilities that can effectively prevent human, animal and insect contact with excreta. These facilities range from simple but protected pit latrines (appropriate for water scarce and less densely populated areas) to flush toilets with a sewage connection. Lack of proper sanitation facilities promotes the spread of preventable disease like cholera and diarrhoea.

Since the constitution of South Africa (Act 108 of 1996) tasked local government with responsibility for the provision of water and sanitation services, the local election of 2001 saw the shift of responsibility for delivery of these services from Department of Water Affairs to relevant municipalities. A range of municipal legislations have been developed including; Municipal Demarcation Act 27 of 1998, Municipal Structures Act 117 of 1998 as well as Municipal Systems Act 32 of 2000 to guide these municipalities in service delivery endeavours.

Under the Municipal Structures Act 117 Of 1998, the Alfred Nzo District Municipality (ANDM) was appointed a Water Service Authority (WSA) with a duty to provide efficient, affordable, economical and sustainable access to water and sanitation services. Significant strides have been made in this regard although there are still some challenges eradicating sanitation backlogs. It is against this background that the ANDM has taken an initiative to physically verify the

completed sanitation facilities in order to map the service delivery road already travelled and also to effectively plan for future interventions. This will also enable the municipality to keep accurate records of the spatial distribution and location of services

1.2 OVERALL AND SPECIFIC OBJECTIVES OF THE PROJECT

Geographic Information System has become an essential tool for monitoring service delivery, providing answers for decision making and problem solving. The current sanitation data in the municipal database has a lot gaps and inaccuracies which prove to be a challenge and might lead to ineffective decision making.

Therefore, the purpose of the project is to survey the location (X, Y, Z coordinates) by means of Global Positioning System (GPS) and thus physically verify the rural sanitation as well as related facilities for wards 7 & 14 of Matatiele Local Municipality the information captured must be accompanied by detailed attribute information about the infrastructure as well as a photograph.

This dataset will also assist in building organisational knowledge, for instance if an employee understands the spatial distribution of sanitation facilities within the ANDM suddenly leaves the organisation, all his knowledge and data will be available in a central database for his/her successor. In summary GIS products provide a visual framework for conceptualizing, understanding and prescribing action.

1.2.1 Overall objective

The power of GIS lies in the completeness and accuracy of spatial data managed by the system. During the development of the District's Sanitation Master Plan, an effort was made to collect, consolidate, verify and update spatial information using aerial imagery. However, this info was never physically verified, it was only a desktop exercise. Therefore, the main objective of this project is to seek

services of a qualified service provider to assist the ANDM in updating the sanitation data in the GIS database in order to fill the gaps identified.

1.2.2 Specific Objectives

The Specific objectives of the project include; but not limited to:

- Capturing Data
- Physical Verification of features to be captured
- Production of a Shapefile/Geodatabase and accompanying attributes for the recently captured data
- Incorporate the data into the GIS Database
- Photographs and descriptions of captured features.
- Recommendation on required intervention.

2. SCOPE & EXTENT OF WORK

The successful Service provider must assist ANDM in surveying and capturing completed rural sanitation facilities (VIPs) for wards 7 & 14 of Matatiele Local Municipality to enable the municipality to update the GIS database. ANDM will be responsible for the continuous updating of the database after the project is complete.

	[40]
Proven track record of experience for completion of 4 GIS Rural Sanitation projects or GIS Infrastructure data capture to the total value of R50 000.00 Each	40
Proven track record of experience for completion of 3 GIS Rural Sanitation projects or GIS Infrastructure data capture to the total value of R50 000.00 Each	30
Proven track record of experience for completion of 2 GIS Rural Sanitation projects or GIS Infrastructure data capture to the total value of R50 000.00 Each	20
Proven track record of experience for completion of 1 GIS Rural Sanitation project or GIS Infrastructure data capture to the total value of R50 000.00	10
Maximum Weighting	40
<p>Note COMPULSORY attachments for verifying work done:</p> <ol style="list-style-type: none"> 1. The ANDM Assessment Bidder Form must be completed, stamped and signed by previous employer as a means of verifying references for each project undertaken. If 4 Projects were done, 4 Assessment bidder forms must be completed. 2. In ADDITION to the above, a traceable record will be evaluated on the basis of: <ul style="list-style-type: none"> - An appointment letter/ Official Purchase order. 	

Capacity and Expertise to Undertake the Project	Weighting
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	[50]
A Project Team with the following areas of expertise:	[50]
- NQF level 6 qualification in GIS or Spatial information Management Environmental Sciences/Studies or Geology or Geography or Land Survey or Hydrology or Geomatics.	25
- Minimum of NQF level 6 qualification in Social Sciences	5
- A minimum of 6 months certificate in Project Management	5
- Registration with South African Council for Professional or Technical Surveyors(PLATO) or South African Geomatics Council (SAGC) and or relevant professional body.	15
Maximum Weighting	50
NB: Attach Curriculum Vitae and certified copies not older than 3 months for all qualifications.	
Methodology	[10]
-Work plan attached (explaining project milestone, activities, responsibility for each personnel	6
Demonstrate approach to training & skills transfer.	4
Total Maximum Weighting	60
[50+10]	

For any queries regarding this Quotation, please contact Ms. S. Bekiswa for project related queries; on (039) 254 5088 or; Supply Chain Management for SCM related queries at telephone number 039-254-5134 during office hours.


Alfred Nzo district Municipality
Erf 1400 Ntsizwa Street
Mount Ayliff
4735

Yours in municipal administration,



MR. S. Ntshikilana
SENIOR MANAGER: PED

Recommendation by Specification Chairperson:

Approved/Not Approved


Mr. L. Mdutyana

Comments by Chairperson:

Approved

