



## NKANGALA DISTRICT MUNICIPALITY



**PROJECT NO: 52411**

**UPGRADING OF THEMBISILE HANI (FIRE STATION) FIRE TOWER**

### **SCOPE OF WORK**

*Tenderer*

*Witness 1*

*Witness 2*

*Employer*

*Witness 1*

*Witness 2*



## **C3.1 DESCRIPTION OF THE WORKS**

### **C3.1.1 EMPLOYER'S OBJECTIVES**

This contract covers the supply of all material, labour, plant and equipment for the construction of 314m of segmented block paving road used by the public. There is currently usage of the road particularly by modes of transport ranging from busses and trucks ferrying people to and from work. The busses carry the local people to urban centres where they are employed while trucks carry various goods used locally.

The employer's objectives are to deliver public infrastructure using labour-intensive methods and subcontractors where possible. The project will be executed using both conventional construction methods as well as labour based methods. This is as per the program of the National Department of Public Works the Special Public Works Programme (SPWP) as the guidelines of the Expanded Public Works Programme (EPWP).

Labour-intensive works comprise the activities described in SANS 1921-5/Earthworks activities that are to be performed by hand/Labour-Intensive Specification <sup>(1)</sup> and its associated specification data. Such works shall be constructed using local workers who are temporarily employed in terms of this scope of work.

**Bidders must note that preference will be given to local based companies and that this bid may be awarded to more than one company.**

#### **C3.1.1.1 LOCAL SMMEs DEVELOPMENT**

The Contractor will be required to employ local SMMEs Sub-Contracting Company to assist with the excavations of trenches and foundations. The SMMEs Company will be responsible for the appointment of local labourers from the Nkangala District community.

Unskilled and semi-skilled labour required for the execution of all labour intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour.

The rate of pay set in the SAFCEC tables (South African Federation of Civil Employer's Agenting Contractors). The rate of pay set in the SAFCEC tables (South African Federation of Civil Employer's Agenting Contractors). Sub-contractors must be paid fortnightly and the main contractor must allow for financing such payouts. Sub-contractors must be paid within 7 days from presenting invoice and failure to adhere will be penalised R1 000/day. Failure of sub-contractors for non-payment of his labour will be penalised at 50% of his payment by the main contractor. Contractor must provide enter market-related rates.

The contractor must familiarise him/her with the abovementioned requirements and price this document accordingly.

#### **C3.1.1.2 KEY PERSONNEL**

The Contractor shall maintain the involvement of the key personnel as the exigencies of this contract. Should it become necessary to replace any of the key personnel as detailed at the time of the tender during the course of this contract, they may only replace by individuals with similar or better qualifications and experience and only when a written approval has been obtained from the municipality

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



Sufficient suitably qualified professional staff must be made available by the contractor and sub-contractor to undertake the full scope of the project. The personnel must be knowledgeable and experienced in their fields of expertise and must be currently actively involved in these fields. The tenderer must include documentary evidence that each proposed key personnel meets these requirements.

The person nominated to act as project site agent for the project must be a registered with the Engineering Council of South Africa (ECSA) as a Candidate Engineering Technician and be in a possession of a diploma in Civil Engineering and have subsequent there of one-year experience in roads construction.

The person nominated for construction monitoring must have a certificate in Civil Engineering with one-year experience in supervision of roads construction.

### **C3.1.2      OVERVIEW OF THE WORKS**

Construction of 1 km of segmented block paving internal roads within Tokologo Township in Mhluzi:

### **C3.1.3      EXTENT OF WORKS**

- Installation of horse wrenches.
- Repair floors and repaint with nonslip industrial coat
- Repair damaged plaster
- Install new rails and balustrades
- Installation of fire hydrants and sprinklers
- Paintwork
- Replace hatch on top of the roof.
- Provide access to top of the roof.
- Waterproofing the roof structure
- Replacing the rubber on staircase with durable rubber
- Construction of smoke room (to get sufficient brief from client)
- Installation of addition upswinging anchor points.
- Replace and paint entrance door.
- Construct proper stormwater management systems.
- Provide elevation of ease access for trainees for upswinging.

*Tenderer*

*Witness 1*

*Witness 2*

*Employer*

*Witness 1*

*Witness 2*



#### **.4 LOCATION OF THE WORKS**

The project is located in Tweefontein a Township in Thembisile Hani Local Municipality's area of jurisdiction in the Nkangala Region in Mpumalanga.

The GPS coordinates of the projects are given in table 1 below;

Table1: GPS coordinates for proposed project

Description	Longitude	Latitude
Fire Station	25°23' 01.48"S	28°49' 41.43"E

##### **C3.1.4.1 CONSTRUCTION PROGRAM**

1. Construction work under this contract should start not later than two weeks after site handover and should be completed not later than 5 Months after site handover.
2. It is required that the tenderer to submit a detailed construction program linked to the duration of the project and clearly indicating the key deliverables time frames coupled there to and sequence of events.

##### **C3.1.5 TEMPORARY WORKS**

The will be no temporary works on this project.

Tenderer

Witness 1

Witness 2

Employer

Witness 1

Witness 2



### C3.2.1 DESIGN SERVICES AND ACTIVITY MATRIX

Works designed by, per design stage:

Description	Responsibility
Design of Works	Employer's Agent
Concept, feasibility and overall process	Client
Basic Engineering and detail layouts to tender stage	Employer's Agent
Final Design of Works	Employer's Agent
Final Design to approved for construction stage	Client
Preparation of tender documentation & adverts	Employer's Agent
Placement of Advertisements in newspapers	Client
Application of Eskom connection point	Client / Employer's Agent / Contractor
Payment of Eskom connection fees	Contractor
Appointment of sub-contractors	Contractor
Supervision	Employer's Agent
Preparation of as-built drawings	Contractor / Employer's Agent
Completion certificate	Employer's Agent / Client / Contractor

### C3.2.2 EMPLOYER'S DESIGN

The permanent works included in this contract has been designed by the Employer's agent. The detail of the works is indicated on the drawing and in the specifications. The tenderer may submit alternative offers for designs prepared by himself subject to the conditions specified in clause 05 of the standard specifications.

### C3.2.3 CONTRACTOR'S DESIGN

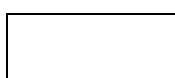
Where the contractor is to supply the design of designated parts of the permanent Works or temporary Works he shall supply full working drawings supported by a professional Employer's Agent's design certificate.

### C3.2.4 DRAWINGS

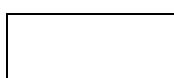
The Employer's Agent will provide the Contractor with one full set of drawings, which will be used exclusively for the recording of as built information by the Contractor.

Only dimensions, positions, levels, co-ordinates etc. that change from the original values, will be required to be entered on these drawings. These drawings, fully marked up, will be handed to the Employer's Agent at the issue of the Certificate of completion, which will not be issued until the as-built information has been received.

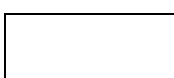
The drawings listed below are attached in order to give an overview of the project.



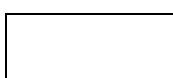
Tenderer



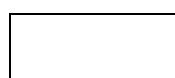
Witness 1



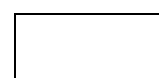
Witness 2



Employer



Witness 1



Witness 2



<b>DRAWING TITLE</b>	<b>DRAWING NO.</b>
SMOKE HOUSE DETAIL	22-TH-FIRE_HOUSE-01-DETAILS-01-R000
SMOKE HOUSE ELEVATION PLAN	22-TH-FIRE_HOUSE-01-ELEVATION-01-R000
SMOKE HOUSE ELEVATION AND PLAN	22-TH-Fire_House-01-Plan_And_Details-01-R000
SMOKE HOUSE SECTIONS	22-TH-FIRE_HOUSE-01-PLAN-01-R000
STORM WATER PLAN AND LAYOUT	22-UCP-THEMBISILE FIRE STATION-R000-
PAVING LAYOUT PLAN	C-100

The applicable drawings mentioned above are attached under Part C5.2.

### **C3.2.5 DESIGN PROCEDURES**

Designs shall be concluded by the Employer's Agent and issued to the Contractor on the day of the official site handover. The designs shall be approved by the local authority before construction commences. The contractor shall be liable for capturing all the relevant changes to the design on the as built drawing, thereafter the drawing shall be submitted to the Employer's Agent for capturing. Under no conditions will the contractor deviate from the issued design unless the Employer's Agent formally approves thereof in writing.

*Tenderer*

*Witness 1*

*Witness 2*

*Employer*

*Witness 1*

*Witness 2*



## C3.4 : CONSTRUCTION

*Tenderer*

*Witness 1*

*Witness 2*

*Employer*

*Witness 1*

*Witness 2*