

SharePoint

Zulu Thoba → ?



KWAZULU-NATAL PROVINCE
 REPUBLIC OF SOUTH AFRICA

KZN Health Intranet

Search this site

HOME CORPORATE INFORMATION COMPONENTS DIRECTORY DISTRICT OFFICES HEALTH FACILITIES

KZN Health > Components > Supply Chain Management
 AdvertQuote



KWAZULU-NATAL PROVINCE
 HEALTH
 REPUBLIC OF SOUTH AFRICA

Quotation Advert

Opening Date:

2022-05-17

Closing Date:

2022-05-27

Closing Time:

11:00

INSTITUTION DETAILS

Institution Name:

KwaMagwaza hospital

Province:

Kwazulu-Natal

Department or Entity:

Department of Health

Division or section:

Central Supply Chain Management

Place where goods / services is required

KwaMagwaza Hospital

Date Submitted

ITEM CATEGORY AND DETAILS

Quotation Number:

ZNQ:

KMG 51-22-23

Item Category:

Services

Item Description:

Installation of Perimeter lights at KwaMagwaza Hospital
 Requirements:CID8 Grading 1EB/1 EP or above

Quantity (if supplies)

COMPULSORY BRIEFING SESSION / SITE VISIT

Select Type:

Compulsory Briefing Session

Date :

2022-05-24

Time:

11h00

Venue:

KwaMagwaza Hospital Dining hall

QUOTES CAN BE COLLECTED FROM:

SCM Office KwaMagwaza Hospital,Malmoth 3835

QUOTES SHOULD BE DELIVERED TO:

KwaMagwaza Hospital Main gate tender box

ENQUIRIES REGARDING THE ADVERT MAY BE DIRECTED TO:

Name:

Thoba Zulu

Email:

Contact Number:

035 4508258

Finance Manager Name:

Mr. B. S. Mbofese

Finance Manager Signature:

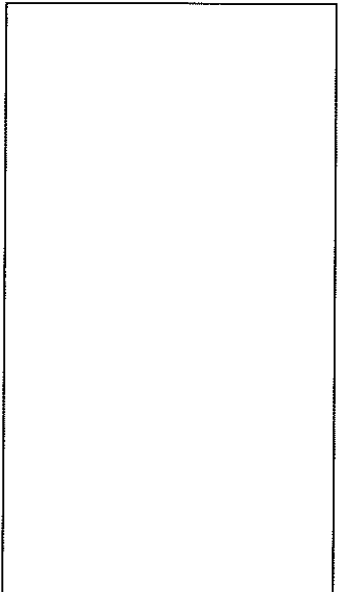


No late quotes will be considered

Certify that the information furnished above is correct. I also accept that this information will be used in the evaluation process and that my bid/quote may be rejected or accepted based on the information I furnished.

Signature: _____ Position: _____ Date: _____

SUPPLIER COMPANY STAMP:



• KINDLY RETURN ALL DOCUMENTATION WHEN REPLYING

DEPARTMENT OF HEALTH

PROVINCE OF KWAZULU-NATAL

INSTALLATION OF PERIMETER LIGHTING AT KWAMAGWAZA HOSPITAL

Project Leader: Zinhle Shange

Telephone No: 035 450 8312

Email: rokurhula.qwabe@kznhealth.gov.za

Installation of perimeter lighting at Kwamagwaza Hospital.

DEPARTMENT OF HEALTH

PROVINCE OF KWAZULU-NATAL

INSTALLATION OF PERIMETER LIGHTING AT KWAMAGWAZA HOSPITAL

Project Leader: Zinhle

Telephone No: 0

Email: @kznhealth.gov.za

SANS 10198-11: Joining and termination of screened polymeric insulated cables.

3. HANDLING AND LAYING OF UNDERGROUND CABLES UP TO AND INCLUDING 33KV.

3.1. General

Cable work shall be done in accordance with SANS 10198 and to the satisfaction of the Client and the Engineer. The storage, transportation, handling and laying of underground cables shall conform to SANS 10198 and to BS 6004, and the Contractor shall have adequate and suitable equipment (SANS 10142) and labour to ensure that no damage is done to cables during such operations. Twisted or kinked cables, or cables damaged in any other way, will be rejected.

3.2. Cable routes and positioning

The contractor shall follow the routes indicated on the specification drawings as accurately as possible. Deviations from the routes laid down shall not be made without the engineer's approval. The final position of cable relative to kerbs, boundaries, and other services shall, where necessary, be indicated to the contractor by the engineer on site and shall be strictly adhered to.

The cable route drawings issued with the inquiry documents are for tender purposes only and the routes may be amended before work on any particular section of the route commences.

In general, where obstacles not provided for in the specification drawings are encountered, cables shall circumvent such obstacles by being laid in as smooth a path as possible around the obstacles and by retaining maximum separation between cables.

Laying depths of cables specified are to final levels of the streets and sidewalks. All levels shall be obtained by the contractor from the Local Authority.

3.3. Handling and laying of cables

The contractor must satisfy himself that the levels of the trenches excavated are suitable and are wide enough to enable him to carry out the work in accordance with SANS 10198-8. The contractor shall be responsible to draw in, lay, thread through pipes, circumvent obstacles, fix in position clamp and saddle where required to walls, poles or switch gear all cables set out in the contract.

Best accepted practice is to be adopted in the handling and laying of cables and the work shall be carried out by persons experienced in the class of work. In particular, attention is drawn to the following:

- (1) Cable drums shall not be dropped off transport vehicles but shall be hoisted off with approved equipment.

Cable shall be removed from the drum in such a way that no twisting, tension or mechanical damage is caused, and must be adequately supported at short intervals during the whole operation. Particular care must be exercised where it is necessary to draw cables through pipes and ducts, to avoid abrasion, elongation or distortion of any kind. The ends of such pipes and ducts shall be sealed to approval after the drawing in of the cables.

3.7. Backfilling

Backfilling after bedding is to be carried out with a proper grading of the material to ensure settling without voids, and the material is to be tamped down after the addition of every 150mm. The surface is to be made good as required.

3.8. Protection of cables

- (a) Danger tape to specification shall be placed 400mm above all MV and main feeder cables along the entire length of the trench. Where so directed by the Engineer, a concrete layer shall be placed over the bedding layer in order to give the cable additional protection.
- (b) At road crossings, cable sleeves shall be installed at a minimum depth of 1000mm, and as instructed by the Engineer.
- (c) The danger tape shall be 150mm wide yellow plastic with lightning flash printed onto the tape at intervals.
- (d) The tape shall comply with SANS 1091.

3.9. Road Crossings

Cable sleeves for road crossings shall not be installed less than 1000mm below the final street level. Unless otherwise specified two additional sleeves all of the same size shall be installed for future use at each road crossing. Galvanized steel draw wire, 2.0mm in diameter shall be installed in all sleeves and shall protrude 1500mm on each side of the sleeve.

On completion of the installation of sleeves all ends shall be sealed to prevent the ingress of dirt and moisture, after installation of the cables the sleeves shall be resealed.

After installation of the sleeves the trench shall be backfilled and tamped down in layers of 50mm to achieve a density of 95% modified AASHTO.

Sleeve end positions shall be marked with an approved cable marker, a letter "E" shall be cut on either side of the road on the kerbstones where these are in existence.

3.10. Opening up of existing cables

Where it is necessary to expose existing buried cables for any purpose, or when excavating in the vicinity of existing buried cables, pipes, etc., every care is to be exercised and only

3.15. INSTALLATION OF EARTHING SYSTEMS FOR UNDERGROUND CABLES.

Refer to SANS 10198-7 for earthing requirements regarding the following cable components:

- Metal Sheaths – Multi Core Cables
- Metal Sheaths – Single Core Cables
- Metal Screens
- Armour
- Cross Bonding
- Refer to SANS 10198-7 for requirements regarding Protective Multiple Earthing Cables as well as Combined / Neutral Cables.

3.16. Lighting Specification

- A maximum span distance of 15m shall apply in the installation/light fittings.
- Supply and install 58W LED fittings.
- The LED light fittings shall be mounted onto a steel pole and with all its associated ancillaries with a 5 metre mounting height to produce the required lighting lux levels.
- The operation of the luminaires will be controlled by photocells positioned on each light fitting.
- Supply and install 1 step 114mm/76mm galvanised steel poles (black or equivalent) with 5 metre mounting height with single bracket, with 5 amp circuit breaker and access door.
- Access hatches will be between 500mm – 700mm above ground.
- Supply and install photocells per pole.

NOTE: The contractor shall make provision for all scaffolding requirements.

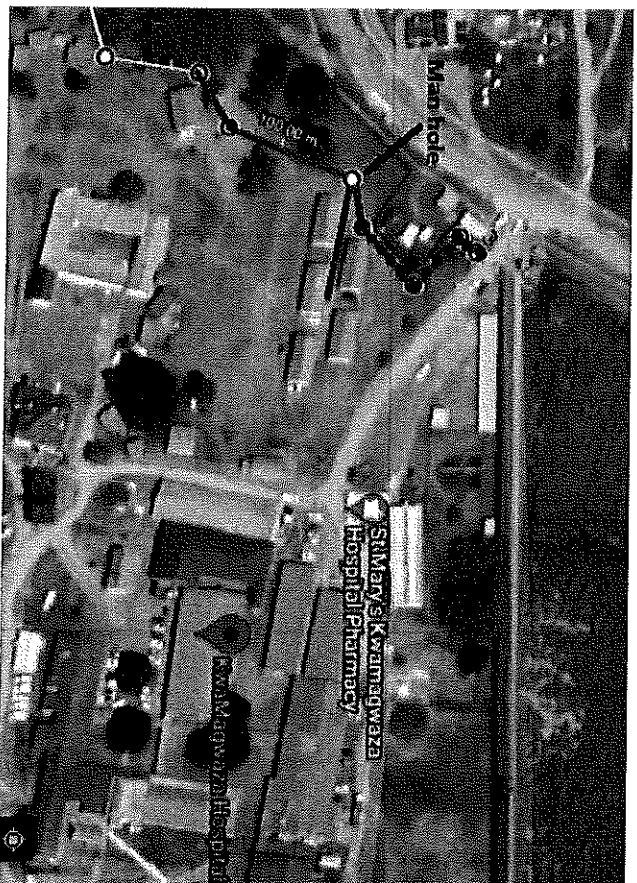
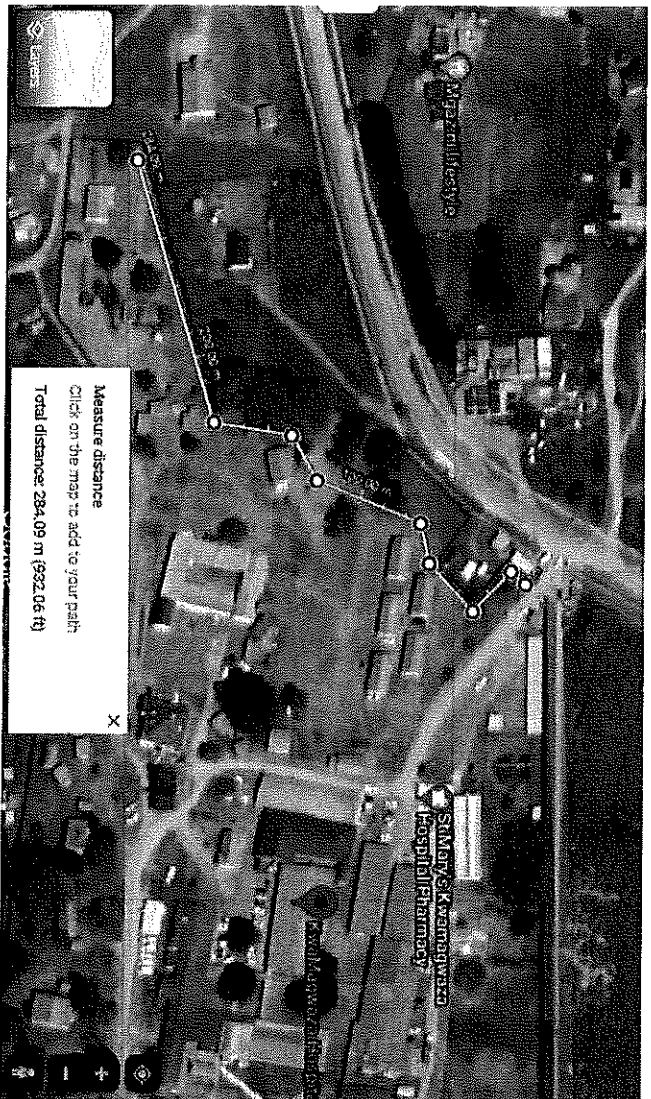
3.17. Storage/safekeeping

- The electrical contractor shall allow for secure storage facilities for the light fittings, cables and galvanised steel poles on site.
- The contractor shall be responsible to replace any damaged light fitting at his own expenses.
- All work shall be carried out in strict accordance to the technical documentation and relevant sections in this specification.

3.18. Supply points

- The supply point is the Nurses' Home kiosk wherein the cabling will be terminated and a supply breaker installed.
- The cable shall be properly glanded and terminated at the kiosk.
- SWA PVC cables will be utilised – (450mm wide x 600mm deep trench)

3.21. Typical Cable Route



NB: Dots in back are light fittings along the cable route.

PARTICULAR SPECIFICATION

6. PARTICULAR SPECIFICATION

5.1. SPECIFICATIONS

5.1.1 This particular specification shall be read in conjunction with all other sections of the Specifications and cognizance shall be taken of the clauses relevant to this particular installation, whether any specific clauses are referred to or not.

5.1.2 GENERAL REQUIREMENTS

Tenderers are to make special note of the following:

- This particular specification must be read with, and shall form part of Technical Specification of this document.
- In so far as the conditions contained herein are at variance with any obtained in the Technical Specifications, the contract shall be interpreted in terms of this Part 5 (Particular Specification).
- The whole installation shall be in accordance with the Occupational Health and Safety Act 85/1993 as amended and all regulations framed therein shall be carried out to the satisfaction of the Department of Health.
- Competent workmen skilled in their trade shall carry out the work.
- The work shall at all times, for the duration of the contract, be carried out under supervision of a skilled and competent representative of the Service Provider, who will be able and authorized to receive and carry out instructions on behalf of the of the Service Provider.
- All apparatus, component parts, fittings and materials employed in the execution of the contract shall be of the latest type or pattern of the particular manufacture employed. S.A.B.S. mark bearing items shall be used wherever possible.
- Rates are to include for connection of data loggers and ancillaries, production of report with analysis and recommendations.
- Tenderers are advised to visit the site and acquaint themselves fully with the site conditions and nature and full extent of work involved prior to submitting their bid. Claims on the grounds of insufficient information in such respects or otherwise will not be entertained by the Administration.

5.2. THE SITE

The site is KwaMagwaza Hospital located at Melmoth in the King Cetshwayo District.

5.3. SCOPE WORK

- Supply and install cabling and perimeter lighting, with all ancillaries as per the specification, including laying, terminating, testing, etc.

Installation of perimeter lighting at KwaMagwaza Hospital.

6	Supply and install Type A Lumina 58W RL S858 36 Degree – LED 400K with individual photocell (or equivalent) as per drawing seen in the specification 10m apart.	m	15			
7	Excavate and backfill in soft ground (pickable material) – 200m long, 0.3m wide and 0.5m deep	m ³	30			
8	Supply and install buried danger tape in compliance with OSHA 1910.144 for marking physical hazards. The tape shall be lightweight and of high visibility safety yellow. The tape shall be 76mm wide and 0.102mm thick above cables in excavations.	m	150			
9	Supply, deliver and install 100A TP circuit breaker (to be installed in the exiting Nurses' Home kiosk). The circuit breaker shall be as per the existing switchgears or similar approved. The work shall include all terminations, connections, blank covers, labelling, gland plates, blank covers.	Item	2			
10	Supply and install manhole as per the drawing. Including cable sleeves in all four directions. These are to be blanked off properly to avert water ingress into the manhole.	Item	1			
11	Detect all underground services to avert damage and provide detection report to the institution.	Item	1			
12	Supply and install cable markers at every 10m interval	Item	20			
13	Allow for testing, commissioning and issuing of the electrical compliance certificate in terms of SANS10142: Wiring Code, latest revision and to be completed by the recognised person in terms of the Wiring Code and Department of Labour.	Item	1			
VAT @15%, if VAT Vendor						
R						
Carried To Collection Summary						R