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| Requesting Office: Procurement |  |
| Contact Person: Dineo Mphasane | |
| Contact Numbers: 014 597 4636 | |
| Facsimile: | |
| E-mail address: dineom@magalieswater.co.za | RFQ – 10018649 |


DATE ISSUED: **04 September 2023**

CLOSING DATE: **15 September 2023 at 11:00AM**

PLACE OF DELIVERY: **MAGALIES WATER,**

For More information/query email: dineom@magalieswater.co.za or call 014 597 4636

| Description/Specification |
|---|
| <p style="text-align: center;">ACCESS CONTROL SYSTEM DESIGN AND IMPLEMENTATION FOR KLIPDRIFT WATER TREATMENT PLANT</p> <hr/> <p>1. BACKGROUND INFORMATION</p> <p>Magalies Water seeks to appoint a reputable service provider with a solid IT based Access Control System experience. The organization recognised the need for a system to enable management and monitoring of access on designated areas in Klipdrift Water Treatment Plant, including visitors. The site is located at Hammanskraal which is about 50km North of Pretoria.</p> <p>2. SCOPE OF WORK</p> <p>2.1 The service providers shall design, supply, install, test, configure, commission access control and visitors management/enrolment software and hardware as well as training of the end-users. The system must be compatible with face recognition (including body temperature and face mask recognition), fingerprint and card reading capability hard wares. The system shall be integrated with other existing access control systems at other Magalies Water facilities. The integration shall enable synchronization and one enrolment (one registration must grant a user access to all MW sites). The system should have capacity to facilitate high-speed vehicle and pedestrian access control and will be used to manage visitors,</p> |

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contractors and employees entering the site.

The system including readers, or any other devices must accommodate a minimum number of 1000 of users. It must provide as a minimum all necessary enrolment device on a visitors management/enrolment station as below:

- Fingerprint reader device (For Enrolment)
- Face, finger, Body Temperature (For Enrolment)
- Card Reader (Enrolment)
- Real Time Monitoring
- Real Time Reporting functionality
- Full Access Control functionality (Access Levels)
- Management Software with Web Access capabilities
- User Management
- Visitor Management

2.2 SOFTWARE REQUIREMENTS (EVtrack or Equivalent)

2.2.1 READERS

The access control devices deployed with the system must be able to operate in both normal indoor and in challenging outdoor environments.

All access control devices must:

- (i) Be protected against theft, lightning, power surges, direct sunlight and must require minimal maintenance.

Reader Specification:

- | | |
|--------|---|
| Reader | <ul style="list-style-type: none"> • Reader with Face/Face Mask/Temperature recognition. |
|--------|---|

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Details

- Face Capacity of ≥ 1000
- Card Capacity of ≥ 1000
- Log Transaction
- Standard Functions: Access Levels, Groups, Holidays, Anti-Pass-back, Record Query, Alarm, Multiple Verification Modes.
- Hardware: CPU, RAM, Camera, Adjustable Light Brightness LED
- Ethernet Communication
- Touch Screen display
- Access Control Interface: Door Sensor, Alarm output, Auxiliary Input

2.2.2 MANAGEMENT/CLIENT STATION

Management computer shall be used to centrally operate the system of which:


- (i) Controlled User Management (registrations, access rights, removals etc.) shall be performed.
- (ii) Controlled Reporting from the system can be done
- (iii) Bidders must specify any additional registration devices

NB. All equipment including the enrolment and system management computer must be provided by the installer.

2.2.3 SOFTWARE REQUIREMENTS

Management software must have the following minimal capabilities:

- Must be running on an integrated database
- Must have backup capabilities

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- Time and Attendance features
- Door Control
- Face recognition (including body temperature, face mask recognition), fingerprint, card reader, and palm
- Access Levels
- Anti-Passback
- Real-Time Monitoring (including Email Alerts)
- Map View
- Support Surveillance devices
- Mobile App compatible

NB. Any software licensing must be registered under Magalies Water and handed over during project completion.

NB. Any additional hardware/software/accessories not listed on the scope; it is the responsibility of the bidder to reflect such on the quote.


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2.3 INSTALLATION POINTS

| No | Security Device Type | Inside or outside | Location points (Exact location of installation points will be provided to the successful bidder) |
|---|---|-------------------|---|
| 1. | Facial recognition, card and fingerprint biometric reader | In & out | Point A |
| 2. | Facial recognition, card and fingerprint biometric reader | In & out | Point B |
| 3. | Facial recognition, card and fingerprint biometric reader | In & out | Point C |
| 4. | Facial recognition, card and fingerprint biometric reader | In & out | Point D |
| 5. | Facial recognition, card and fingerprint biometric reader | In & out | Point E |
| 6. | Facial recognition, card and fingerprint biometric reader | In & out | Point F |
| 7. | Facial recognition, card and fingerprint biometric reader | In & out | Point G |
| 8. | Facial recognition, card and fingerprint biometric reader | In & out | Point H |
| 9. | Facial recognition, card and fingerprint biometric reader | Outside only | Point I |
| 10. | Facial recognition, card and fingerprint biometric reader | Inside only | Point J |
| TOTAL NUMBER OF READERS REQUIRED | | | 18 |

2.4 ADDITIONAL EQUIPMENT REQUIRED


- 19" Rack mount equipment enclosure for main entrance gate
- Two hand held visitor's scanners for visitor's registration
- Onsite access control & visitor's management software and hardware servers licensing if necessary.

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- Wireless link to connect the system components
- WIFI Access Point for the hand held access control scanners
- Biometric readers for the vehicles access/exit lanes must be equipped with stainless steel gooseneck
- The Uninterrupted Power Supply for the system that can last for a minimum of two hours must be supplied and installed

2.5 Electrical, Civil and General Work

- Fully supply, provide and install the following electrical, civil and general work in accordance with the relevant Acts, codes and /or standards for the Access control systems:
- Supply and install all suitable electrical (power) supply and electrical points.
- Supply and install all cables.
- Supply and wire all electrical equipment and components.
- Provide, install and carry out all civil work as may be required such as cabling trays, sleeves, trunking, etc.
- provide 2 x set of files that contains the systems specifications, diagrammatic sketches and description of areas were implemented as well as operating manuals
- Provide user training to officials

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2.6 WARRANTY

- The appointed bidder shall grant Magalies Water with a minimum 3 month warranty period after the handover should there be any challenges with the operation and/or hardware/software.
- Warranty period implies that after the full installation and handover of the system, any challenges experienced on the system will be escalated to the appointed bidder at no cost.
- Minimum 1 Year Manufacture Warranty on the system and hardware components

2.7 POST INSTALLATION CLIENT SUPPORT


Bidder will be required to offer cost free onsite or remote support after project handover for a period of three months.

2.8 CRIMINAL RECORD CHECKS

Magalies Water reserves the right to request criminal records clearance of the company's Director/s and installers before project commencement

3 MANDATORY BIDDING REQUIREMENTS

- 3.1 Bidder must at the least have a minimum of two corporate full access control implementations track record with references provided along with completion letters (on customer's letterhead and signature (Magalies Water also reserves the right to physically visit the reference site for verification purpose). Both references must not be older than five years.
- 3.2 The bidder or his/her employees must be certified installer/s of the proposed access control system. Certificates to that effect must be provided during the bidding process.
- 3.3 The bidder must have at least one year experience in maintaining similar system within the past five years to demonstrate a track record of understanding the functionality and

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performance of the system. Reference must be submitted with the bid and must be on customer's letterhead and signature (Magalies Water also reserves the right to physically visit the reference site for verification purpose).

3.4 Bidder must attach a low to medium level implementation plan in Microsoft Project format or similar programme to demonstrate capacity on implementation phases and activities within stipulated timeframes from implementation to handover. The proposed plan must be within Magalies Water 60 days' time frame expectation.

NB: COMPULSORY SITE INSPECTION AT KLIPDRIFT WEDNESDAY 06 SEPTEMBER AT 11H00.

1. Submission of Quotations

RFQ Number must always be stated on the quotation.

Quotations should be submitted on email below. Email: dineom@magalieswater.co.za


2. Selection of Qualifying Quotation

The selection of the qualifying quotation will be at Magalies water's sole discretion. Magalies Water does not bind itself to accept any particular Quotation

3. Evaluation

The quotation will be checked for responsiveness according to the following **REQUIREMENTS:**

- Quotation must have CSD vendor number/ submit CSD Report
- Quotation must have RFQ reference number
- Completed and signed Declaration of Interest Form (SBD4)
- Quotation with validity period should be 30 days or more.
- Quotation with physical address, date, contact details and banking details

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4. Terms & Conditions

Quotations received after the closing date will not be accepted.

All costs to be included in the quotation.

Delivery must take place at the specified place.

Quotations to be valid for 30 days from date of issue.

All non-responsive bids will be rejected.

The Government Procurement General Conditions of Contract shall apply.