Ekurhuleni Housing Company

Ekurhuleni Housing Company (SOC)
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ACCESS CONTROL

APPOINTMENT OF A SERVICE PROVIDER FOR THE SUPPLY, INSTALLATION, AND MAINTENANCE OF A COMPREHENSIVE DIGITAL FACIAL RECOGNITION, FINGERPRINT AND VEHICLE REGISTRATION NUMBER ACCESS CONTROL SYSTEM IN PHAROE PARK NO: EHC/ACFR/08/2025

Mandatory requirements	Scope of work
(a) Disqualifying Compliance Requirements • A site assessment is compulsory to inform tailored system design and architecture. • Failure to conduct a site visit will result in disqualification **b) Administrative** • Up to date municipal account/statement for the company and all its directors (not in arrears for more than 90 days). In a case where a bidder is a lessee, a valid original or certified copy of a lease agreement must be supplied. • Certified Director's ID copy. (Not older than three months from the closing date) • CK) • Valid tax pin • Company pricing with letter head • CK • Valid BBBEE/affidavit (failure to comply bidder will forfeit points allocations of specific goal (80/20 specific goals points allocations as per threshold) • Bank letter not older than three months • Signed MBD Forms. • Respond to RFQ document • Valid tax pin • CSD report Compulsory Briefing session Date:29 August 2025 Address: Angus Street and Victoria Street Germiston (next to Fire Station) Time: 11:00 am Closing Date:03 September 2025 Time:11h00 am Submission must hand be delivered to EHC head office (Angus and Victoria Street Germiston 1400 next to fire station) in a sealed envelope stating the description and RFQ NO: EHC/ACFR/08/2025 and IN A RED TENDER BOX BY THE RECEPTION. PLEASE SIGN SUBMISSION REGISTER. NB: please usure to drop the bid document in a red box by EHC reception. NB: The RFQ document will be available for downloads on EHC website www.ehco.org.za	**BACKGROUND** Ekurhuleni Housing Company (EHC) derives its mandate from the City of Ekurhuleni (CoE). This mandate is informed by the national housing imperatives that are outlined through the Rental Housing Act, the Social Housing Act, and the MFMA. EHC provides and manages affordable rental housing for the lower income market as an integral part of efforts to eradicate the housing backlog in the Ekurhuleni Metropolis. The main target market comprises of home seekers whose household incomes meet the criteria for the Consolidated Capital Grant (CCG), which comprise of the Restructuring Capital Grant and the Institutional Housing Subsidy, which are available to beneficiaries whose total household income is between R1850 and R22 000 per month. **1. SCOPE OF WORK** The successful bidder will be responsible for the design, installation, and maintenance of a fully integrated access control system: • **System Design and Supply:** Provide a detailed system design and all necessary hardware and software components. This includes: • Facial recognition terminals at pedestrian entry and exit points (e.g., turnstiles). • Fingerprint biometric scanners as an alternative or secondary verification method. • ANPR (Automatic Number Plate Recognition) cameras at vehicle entrances. • A central management server. • A secured server and power supply box with key access control to prevent unauthorized switching on/off of the system**.** This enclosure must be tamper-resistant and only accessible using a designated physical key to ensure system uptime and avoid misuse. **Installation and Integration:** Install all hardware at the designated entry and exit points. The system must be

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Executive Directors: Z. Nkamana (CEO); N. Ndimande (CFO)
*Z. Malinga (Company Secretary)
Reg. No. 2000/007937/07

The entity reserves its following rights:

- To award the bid in part or in full,
- Not to make any award in this bid or accept any bids submitted,
- Request further technical information from any bidder after the closing date,
- Verify information and documentation of the bidder(s),
- Not to accept any of the bids submitted,
- To withdraw or amend any of the bid conditions by notice in writing to all bidders before closing of the bid and post-award, and
- If an incorrect award has been made to remedy the matter in any lawful manner it may deem fit.

Proposals are subject to the Standard Conditions of Tender and the Supply Chain Management Policy of EHC

The entity reserves the right to negotiate with the shortlisted bidder prior to the award and with the successful bidder post award. The terms and conditions for negotiations will be communicated to the shortlisted bidder prior to the invitation to negotiations. This phase is meant to ensure value for money is achieved through the measure of quality that will assess the monetary cost of the items or services against the quality and or benefits of that item or services.

The entity reserves the right to conduct due diligence during the evaluation phases, before the final award, or at any time during the contract period and this may include pre-announced/ non-announced site visits. During the due diligence process, the information submitted by the bidder will be verified and any misrepresentation thereof may disqualify the bid in whole or in part.

seamlessly integrated with the existing entrance infrastructure for turnstiles and vehicle entrance points.

- **Software and Database:** Install the central management software and establish a database for storing facial templates and user information. The software must be capable of managing user permissions, generating reports, and providing real-time monitoring.
- **Training:** Provide comprehensive training to a designated team of our staff on system operation, administration, and troubleshooting.
- **Documentation:** Deliver a complete set of user manuals, technical specifications, and system diagrams.
- **Maintenance and Support:** Provide a warranty and a service level agreement (SLA) for ongoing maintenance and technical support.

TECHNICAL SPECIFICATIONS

The proposed system must meet or exceed the following technical requirements:

Biometric Recognition Features:

Facial Recognition:

- False Acceptance Rate (FAR): Less than 0.001%.
- False Rejection Rate (FRR): Less than 1%.
- Speed: Recognition and access granted in less than 0.5 seconds.
- Capacity: The system must be able to handle at least 5,000 unique facial templates. The central database should support a minimum of 100,000 event logs.

Fingerprint Biometric:

- Match speed: < 1 second per user.
- Sensor: Capacitive or optical with anti-spoofing technology.
- Enrolment capacity: 5,000 unique fingerprints (minimum).

Vehicle Access (ANPR):

- Recognition of standard South African vehicle registration numbers.
- Day and night vision with IR cameras.
- Accuracy: ≥ 95% recognition rate under normal conditions.
- High Speed Tyre-Spike Vehicle Barrier (Steel Ramp)

Database and Event Logging:

- Central database must support at least 100,000 event logs.
- Events must include a timestamp, location, method of access (face/fingerprint), and user ID.

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	Hardware Requirements: • Facial Terminals: The facial recognition terminals must be equipped with a dual-camera system (visible light and infrared) to prevent spoofing using photos or videos. They must be weather-resistant and suitable for both indoor and outdoor use. • Fingerprint Reader: Integrated with the Facial reader, weather-resistant for outdoor installation. • Server: A dedicated server with sufficient processing power, Intel i7, 16 GB RAM, 1TB storage to manage the system, a Monitor for Display, and supported and latest OS: Compatible with supplied software. **Software Features:** • User Management: The software must allow for easy enrolment and management of users. It should support various access levels and time-based permissions. • Reporting: The system must generate detailed reports on access events, including time of entry/exit, user, and location. • Alerts and Notifications: The software must provide real-time alerts for security breaches or system malfunctions. • Integration: The system must be compatible with integration with third-party systems or time-and-attendance software via API. **Security and Privacy:** • The system must comply with data protection regulations and industry best practices. • Facial templates must be stored as encrypted biometric data, not as raw images. • All data transmission between devices and the server must be encrypted. **REQUIREMENTS AND SUBMISSION** **Company Profile:** A brief company profile detailing your experience with similar projects. **Project Plan:** A detailed project plan outlining the timeline for installation, testing, and training. **Quotation:** A comprehensive and itemised quotation, including hardware, software licenses, installation, and ongoing maintenance costs.

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References: At least three verifiable references from clients for whom you have installed similar systems.

2. Pricing Schedule

Item description	Price Excluding VAT
Hardware (facial terminals, fingerprint scanners, ANPR cameras, server, etc.)	R
Software licenses	R
Installation and integration costs	R
Provision and installation of a secure key server and access-controlled power supply box.	R
Training	R
Documentation	R
Maintenance and support	R
VAT	R
Total Inclusive VAT	R

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Contact Person
Technical (Specification queries)
Mbongeni Mahlangu
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