

SPECIFICATION AND BILL OF QUANTITIES FOR:

SUPPLY AND CUSTIMAZATION OF TWENTY (20) MOBILE HANDHELD READERS SUITEABLE FOR ACCESS CONTROL AND VISITOR MANAGEMENT, INTEGRATED WITH EXITING ACCESS CONTROL SYSTEM:

1. SCOPE OF WORKS AND GENERIC CONDITIONS OF CONTRACT

1.1. SCOPE OF WORKS

Supply and customization of twenty (20) mobile handheld biometric readers should have the following desired functions and capability;

- Handheld Biometric Reader - Android 10 with GMS, WWAN, 802. 11 a/b/g/n/ac, N6603 engine, 1.8 GHz 8 core- Single Charger and docking station - Honeywell, Plus, 5 Day Turn, 3 Year (1 year Standard+ 2 Year Extended Warranty with a guaranteed turnaround time of 5 working days)- With Sigma Biometric Snapon for Biometric verification (Card + Finger)
- Functionality required:
 1. Picture Grab
 2. Fingerprint Enrolment
 3. Card Reading
 4. 2D, 3D, OCR and MRZ Barcode Scanning
- Babylon Enrolment Software for Biometric and Mifare Cards
- Enrolment Device for capturing Sagem templates and encoding Mifare access card
- Integration with exiting access control visitor management system database.
- Must be able to capture the following information:
 1. ID and Driver's License
 2. Vehicle's license and registration.
 3. Record time entry and exit.
 4. Take pictures
- Integrated with current access control measures (Booms + Spike Barriers)
- Installation of a Wi-Fi access point for connectivity to ensure real time information transfer from mobile scanners to server.
- Mobile scanner and server customization will be required to ensure easy use and site-specific requirements.
- On-Site training on use of mobile scanner and technical skill transfer.

1.2 LOCATION OF SITE AND ACCESS

1.2.1 Richards Bay access to the Port can be gained via all Security check points.

1.2.1 A compulsory site visit shall be attended and arranged by TNPA Procurement Department.

1.3 WORKING HOURS

1.3.1 The working hours shall be from 8:00 to 16:00, Monday to Friday.

1.3.1 The contractor must not vary the working hours without a written instruction from TNPA Security Department.

1.4 STAND DOWN

- 1.4.1 TNPA's Security Department representative may, for the duration as seen fit by the representative of TNPA Security Department, stand down the plant or any part of the Plant by notice to the Contractor or the Operator, to permit any maintenance, servicing or repairs.
- 1.4.1 TNPA will not pay for any period of stand down of the Plant.

1.5 DAY WORKS SHEET

- 1.5.1 The Contractor must submit to the TNPA Security Department representative for verification, a day work sheet on the Contractor's stationary which show for the day the actual hours of work (including any hours of overtime), hours of standby time, hours of stand down of plant, and any transport charges.
- 1.5.1 All day works sheets shall be signed off by a TNPA Security Department representative and submitted together.

1.6 PAYMENTS

- 1.6.1 The Contractor must invoice TNPA Security Department in a form approved by TNPA representative (quoting the purchase order number), for all payments under the contract after completion of works.
- 1.6.1 Invoices to include all day works sheets approved by the TNPA representative.
- 1.6.1 Claims will not be accepted for items and quantities that do not have a data sheet signed off by a TNPA representative.
- 1.6.4 Payments will be made by TNPA within 30 days and at the end of the month from receipt of the Contractor's invoice, provided that the content of the invoice has been certified as correct by the TNPA representative and nothing in the invoice is in dispute.

1.7 TERMINATION OF CONTRACT

- 1.7.1 TNPA will endeavor to give notice of a likely termination date for the period the contract.
- 1.7.2 Either party may terminate the contract by providing the other with 1 (one) week notice.
- 1.7.3 Despite anything in the contract to the contrary, TNPA may, by providing a written notice to the Contractor, terminate the contract immediately if the Contractor:
 - a) Suffers an insolvency event
 - b) Refuse to comply with any reasonable instruction or direction of the TNPA representative.
 - c) Is in breach of this contract and has failed to rectify the breach following a written request to do so by TNPA.

1.8 INDEMNITY AND INJURY MANAGEMENT

- 1.8.1 The Contractor and any persons from the Contractor working on site must ensure that they sign on the indemnity form before entering the site.

1.9 COMPLIANCE

- 1.9.1 The Contractor must comply and ensure that he/she complies with all legislation including the occupational health and safety acts, equal opportunity legislation, road traffic acts, motor vehicle (third party insurance), transport acts, industrial agreements, registered workplace agreements of employer-employee agreements, the Safety, Health and Environment (SHE) requirements and all lawful direction of the TNPA representative application to the contract.
- 1.9.2 The Contractor must obtain all necessary permits, licenses and approvals, give all notice required to be given and pay all applicable relevant fees in connection with the contract and provide evidence of compliance to the TNPA or the TNPA's representative on request.
- 1.9.3 The Contractor shall comply with the Port of Port Elizabeth's SHEQ regulations and requirements. The Contractor shall submit a SHE file for approval and as required the TNPA Port of Port Elizabeth SHEQ department.

1.10 PARKING

- 1.10.1 Parking will be near at the construction site.

1.11 PRICING INSTRUCTIONS

INTRODUCTION

- 1.11.1 Pricing Assumptions mean the criteria as set out below, read together with all Parts of this specifications document, which it will be assumed in the contract that the tenderer has taken into account when developing their rates and prices.
- 1.11.2 Tenderers are advised that the Bill of Quantities is a "provisional bill" subject to re-measurement as the work proceeds. The initial quantities set out in the Bill of Quantities are approximate and do not necessarily represent the actual amount of work to be done and shall be re-measured and paid for based upon the actual final quantity of work done and certified for payment by the Supervisor in terms of the Contract and as described in the Pricing Assumptions and as shown on the drawings.

1.12 GENERAL

- 1.12.1 The terms "Schedules of Quantities" and "Bills of Quantities" shall have the same meaning. The title "Engineer" shall be interpreted as "Project Manager".
- 1.12.2 The Bill of Quantities contain only brief descriptions to identify the salient items required and the Tenderer is referred to the Generic Conditions of Contract, Scope of Work and drawings for the full requirements.
- 1.12.3 The prices and rates to be inserted in the Bill of Quantities are to be the full inclusive prices to be paid by the Employer for the work described under the several items. Such prices and rates shall cover all costs and expenses that may be required in and for the execution of the work described, and shall cover the cost of all general risks, liabilities, and obligations set forth or implied in the documents on which the tender is based, as well as overhead charges and profit.
- 1.12.4 Where an item in the Bill of Quantities makes reference to a specific measurement and payment clause, the rate or price of the item shall also include for all costs stated in the particular payment clause. Such reference will be to the relevant Pricing Assumption item. The reference clauses indicated are not necessarily the only sources of information in respect of

scheduled items. Further information and specifications may be found elsewhere in the contract documents.

- 1.12.5 A price or rate is to be entered against each item in the Bill of Quantities, whether the quantities are stated or not. An item against which no price is entered is deemed to be covered by the other prices or rates in the Bill of Quantities but the rate, where applicable, will nevertheless be taken as nil and no claim will be considered should the quantity of such items increase or decrease.
- 1.12.6 Unless otherwise stated, items are measured nett in accordance with the drawings and as specified and no allowance has been made for waste. Rates and prices shall include for waste of whatever nature and for all necessary straight cutting (notwithstanding any trade custom to the contrary).
- 1.12.7 Where items in the Bill or Quantities include reference to trade names or proprietary brands, the reference is used in order to establish the required type and quality of product on which the price is based.
- 1.12.8 Where items in the Bill or Quantities have no applicable measurement and payment clause reference the rate or price for the item shall be the fully inclusive rate or price for the work described including all materials, labour, plant, equipment, overheads and profit as applicable.

1.13 **PRE- QUALIFICATION CRITERIA REQUIREMENTS**

- 1.13.1 Prospected bidders must provide proof of confirmation or accreditation with OEM business partner **Autec Babylon**.
- 1.13.2 Prospected bidders must be PSIRA registered by providing valid PSIRA Certificate.

2. **BILL OF QUANTITIES**

ITEM NO.	DESCRIPTION	Unit	QTY	Rate	Total Amount
2.1	Babylon Enrolment Software for Biometric and Mifare Cards	No.	1		
2.2	Enrolment Device for capturing Sagem templates and encoding Mifare access card	No.	1		
2.3	Mobile Handheld Readers	No.	20		
2.4	Device Setup & Configuration	No.	20		
2.5	Outdoor Access Point & Installation	No.	1		
2.6	System Commissioning and Customising	No.	1		
	Sub-total				
	Add 15% VAT				
	TOTAL				