

## C 2.2. BILL OF QUANTITIES

**APPOINTMENT OF A SERVICE PROVIDER FOR THE PROVISION, INSTALLATION, AND MAINTENANCE OF SECURITY SYSTEMS TO THLM FOR A PERIOD OF 36 MONTHS.**

### 1. SURVEILLANCE CAMERAS

| Item | Description                                                                                  | Unit | Unit Rate | Total |
|------|----------------------------------------------------------------------------------------------|------|-----------|-------|
| 1    | Prime Series 32-inch NVR 4K NVR304                                                           | 1    |           |       |
| 2    | Dual Spectrum Thermal Camera                                                                 | 1    |           |       |
| 3    | 5MP Deep Learning WDR and Light Hunter Bullet Camera.                                        | 1    |           |       |
| 4    | Ultra H.265 5MP PTZ 22x Optical Zoom Smart IR 200m Camera                                    | 1    |           |       |
| 5    | Internal Mini Dome Alarm in/out Audio.                                                       | 1    |           |       |
| 6    | 4MP IP 3.6mm Fixed Bullet Camera                                                             | 1    |           |       |
| 7    | 4MP IP 3.6mm Fixed Dome Camera                                                               | 1    |           |       |
| 8    | 4MP IP Vari-focal (2.7mm-13.5mm) Bullet Camera                                               | 1    |           |       |
| 9    | 4MP IP Vari-focal (2.7mm-13.5mm) Dome Camera                                                 | 1    |           |       |
| 10   | Galvanized Square Tubing Camera Post and Accessories per meter.                              | 1    |           |       |
| 11   | Outdoor Distribution Boxes.                                                                  | 1    |           |       |
| 12   | Cat 6 UTP, Cables, Connectors and Connectors Boots.                                          | 1    |           |       |
| 13   | 8Port Gigabit AI POE 2SFP.                                                                   | 1    |           |       |
| 14   | Fibre Outdoor U pink Cable 150m LC-LC UPC 2Core.                                             | 1    |           |       |
| 15   | Cudy Single Mode 1.25G LC SFP 1310nm 20km.                                                   | 1    |           |       |
| 16   | PVC CONDUIT per Metre.                                                                       | 1    |           |       |
| 17   | 12U Swing Frame Wall Box.                                                                    | 1    |           |       |
| 18   | Installation and Commissioning of the system                                                 | 1    |           |       |
| 19   | 1kva Inverter with Lithium Battery with 50 Ah Lithium-ion Battery and 820 w MPPT Controller. | 1    |           |       |
| 20   | Wall Mount Bracket for 32 to 55 inch                                                         | 1    |           |       |
| 21   | 4 Channel NVR 2TB HDD                                                                        | 1    |           |       |
| 22   | 8 Channel NVR 2 TB HDD                                                                       | 1    |           |       |
| 23   | 16 Channel NVR 4 TB HDD                                                                      | 1    |           |       |
| 24   | 32 Channel NVR 8TB HDD                                                                       | 1    |           |       |
| 25   | 4 Port POE Switch                                                                            | 1    |           |       |
| 26   | 8 Port POE Switch                                                                            | 1    |           |       |
| 27   | 16 Port POE Switch                                                                           | 1    |           |       |
| 28   | 32 Port POE Switch                                                                           | 1    |           |       |
| 29   | CAT 6 100 meter                                                                              | 1    |           |       |
| 30   | CAT 6 300 meter                                                                              | 1    |           |       |
| 31   | CAT 6 500 meter                                                                              | 1    |           |       |
| 32   | 4MP Camera with in/out Audio                                                                 | 1    |           |       |
| 33   | Solar panel for wire-free Camera                                                             | 1    |           |       |

| Item         | Description                                                                                                                                                                                                                                                                                                      | Unit | Unit Rate | Total |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|-------|
| 34           | Wireless Battery Camera.                                                                                                                                                                                                                                                                                         | 1    |           |       |
| 35           | 3G/4G Sim Card Camera                                                                                                                                                                                                                                                                                            | 1    |           |       |
| 36           | Wireless Battery Camera, Built-in micro/speaker/Wi-Fi Supported, Built-in rechargeable Lithium Battery.                                                                                                                                                                                                          | 1    |           |       |
| 37           | 4MP IR 2.8mm Fixed-focal Bullet WizSense 4G Network Camera, 50m IR, 120dB WDR, IP67, Built-in Mic & Speaker, RJ45, 256GB Micro SD Card   DORI Distances for Humans: Detect 63.6m, Observe 25.4m, Recognise 12.7m, Identify 6.4m                                                                                  | 1    |           |       |
| 38           | Solar-powered Security Camera Setup, 4mm Fixed Lens, 30m IR, Digital WDR, RJ45, 10/100Mbps Self-adaptive Ethernet, 256GB Micro SD / Micro SDHC / Micro SDXC Card, Built-in Mic & Speaker, 51.46WH Ternary Lithium Battery, IP67   DORI Distances for Humans: Detect 77m, Observe 30m, Recognise 15m, Identify 7m | 1    |           |       |
| 39           | Bracket with 60W Solar Panel, Charge Controller & Built-in 40Ah Lithium-Ion Battery                                                                                                                                                                                                                              | 1    |           |       |
| 40           | 460W Solar Panel                                                                                                                                                                                                                                                                                                 | 1    |           |       |
| 41           | 5KW Inverter                                                                                                                                                                                                                                                                                                     | 1    |           |       |
| 42           | 5.12kwh Lithium battery                                                                                                                                                                                                                                                                                          | 1    |           |       |
| 42           | Cabling for Solar Panels                                                                                                                                                                                                                                                                                         | 1    |           |       |
| 53           | 1KVA Long run UPS                                                                                                                                                                                                                                                                                                | 1    |           |       |
| 54           | CAT 6 Cable 100 meter                                                                                                                                                                                                                                                                                            | 1    |           |       |
| 55           | CAT 6 Cable 300 meter                                                                                                                                                                                                                                                                                            | 1    |           |       |
| 56           | CAT 6 Cable 500 meter                                                                                                                                                                                                                                                                                            | 1    |           |       |
| 57           | Power Cable 100 Meter                                                                                                                                                                                                                                                                                            | 1    |           |       |
| <b>TOTAL</b> |                                                                                                                                                                                                                                                                                                                  |      |           |       |

## BIOMETRIC SYSTEM

| Item | Description                                                   | Unit | Unit Rate | Total |
|------|---------------------------------------------------------------|------|-----------|-------|
| 1    | Fingerprint Reader Terminal                                   | 1    |           |       |
| 2    | Rain-shield for Fingerprint Reader Terminal                   | 1    |           |       |
| 3    | 500 Fingerprint Reader                                        | 1    |           |       |
| 4    | Enclosure for InBio Controller- 12VDC 3Amp PSU                | 1    |           |       |
| 5    | In Bio 0160 Door Controller- One Door – Fingerprint & REID    | 1    |           |       |
| 6    | Rain shield for FRI 500-WP                                    | 1    |           |       |
| 7    | Cable Management Bracket for FRI 500                          | 1    |           |       |
| 8    | Securi-Prod Call Point Resettable Green                       | 1    |           |       |
| 9    | Elock Maglock Indoor c/w ZL Bracket for FRI 500- WP           | 1    |           |       |
| 10   | Elock Maglock Indoor 600lbs 272kg 12/24VDC Monitored with LED | 1    |           |       |

| Item         | Description                                                         | Unit | Unit Rate | Total |
|--------------|---------------------------------------------------------------------|------|-----------|-------|
| 11           | Face and Fingerprint Recognition Terminal                           | 1    |           |       |
| 12           | Multi Biometric and Time and Attendance and Access Control Terminal | 1    |           |       |
| 13           | Mobile Software for Field Workers Employees                         | 1    |           |       |
| 14           | Mobile Fingerprint Reader Terminal for field workers                | 1    |           |       |
| 15           | Controller of Fingerprint Recognition Terminal                      | 1    |           |       |
| 16           | Magnetic Door Lock                                                  | 1    |           |       |
| 17           | Elock maglock bracket                                               | 1    |           |       |
| 18           | Power Supply Controller 12V 7MP AH                                  | 1    |           |       |
| 19           | Medium Duty Union Door Closer                                       | 1    |           |       |
| 20           | Professional IP-Based Biometric Access Control Panel                | 1    |           |       |
| 21           | Speed Face VSLP multi biometric reader face palm & finger           | 1    |           |       |
| 22           | Security Protocol point resettable Green                            | 1    |           |       |
| 23           | H1-FP multi biometric reader wifi-4G-IP65                           | 1    |           |       |
| 24           | License if any                                                      | 1    |           |       |
| 25           | Full Set of Computer (Stand Alone with VSM software)                | 1    |           |       |
| 26           | Shielded Cat 6 Cable per meter                                      | 1    |           |       |
| 27           | Biometric Management License                                        | 1    |           |       |
| 28           | Tripod Supermarket with a screen (Waist Height Turnstiles)          | 1    |           |       |
| <b>TOTAL</b> |                                                                     |      |           |       |

#### SUMMARY TABLE OF THE BILL OF QUANTITY

|                                                                            |          |
|----------------------------------------------------------------------------|----------|
| <b>COMBINED TOTAL OF CAMERAS AND BIOMETRICS</b>                            | <b>R</b> |
| <b>MAINTENANCE OF BOTH CAMERA AND BIOMETRIC SYSTEMS (Quarterly Amount)</b> | <b>R</b> |
| <b>SUB-TOTAL</b>                                                           | <b>R</b> |
| <b>VAT @ 15% (If applicable)</b>                                           | <b>R</b> |
| <b>TOTAL</b>                                                               | <b>R</b> |
| <b>TOTAL AMOUNT TO BE FORWDED TO THE FORM C 1.1 (FORM OF OFFER)</b>        |          |

#### Notes

- Travelling costs to THLM during the inception of the project and installation of the systems project shall not be charged to THLM.
- Inception Training or Training to be given during the beginning of the project shall not be charged by the service provider.