

## 1. Bill of Quantities

**Table 1** Bill of quantities 1: Documentation required

| Item                                          | Item/ Service Description                         | Unit of Measure | Quantity | Rate (ZAR) | Price (ZAR) |
|-----------------------------------------------|---------------------------------------------------|-----------------|----------|------------|-------------|
| 1.1                                           | Safety File                                       | each            | 1        | R          | R           |
| 1.2                                           | Induction                                         | each            | 1        | R          | R           |
| 1.3                                           | Car Park (Parking) and Employee Permits documents | each            | 1        | R          | R           |
| 1.4                                           | Liability Insurance                               |                 |          | R          | R           |
| 1.5                                           | Site establishment                                | Sum             | 1        | R          | R           |
| 1.6                                           | Certificate of compliance                         | Sum             | 1        | R          | R           |
| <b>Sub-total 1: Preliminaries and General</b> |                                                   |                 |          |            |             |

**Table 2** Bill of quantities 2: New Power Supply for VMS Units (Figures 21, 22, 24 and 26)

| Item                                                                           | Item/ Service Description                                                     | Unit of Measure | Quantity | Rate (ZAR) | Price (ZAR) |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------|----------|------------|-------------|
| 2.1                                                                            | 15A Circuit Breaker, single pole, DIN rail mounted                            | each            | 4        | R          | R           |
| 2.2                                                                            | 2.5mm <sup>2</sup> , 3-core copper cable (incl. supply, routing, termination) | meter           | 700      | R          | R           |
| 2.3                                                                            | Conduit/trunking for cable protection (PVC/Galv, depending on location)       | meter           | 700      | R          | R           |
| 2.4                                                                            | Labour for the installation and testing of VMS power circuits                 | Lot             | 1        | R          | R           |
| 2.5                                                                            | Issue certificate of compliance as per SANS 10142-1                           | Lot             | 1        | R          | R           |
| 2.6                                                                            | Supply and installation of an IP66-rated junction box                         | Lot             | 1        | R          | R           |
| <b>Sub-total 2: New Power Supply for VMS Units (Figures 21, 22, 24 and 26)</b> |                                                                               |                 |          |            |             |

Table 1 Bill of quantities 3: Essential Double Plug Outlet Installation for BMS Sensors

| Item                                           | Item/ Service Description                                                             | Unit of Measure | Quantity | Rate (ZAR) | Price (ZAR) |
|------------------------------------------------|---------------------------------------------------------------------------------------|-----------------|----------|------------|-------------|
| <b># MSP1: Ground floor to MSP 1 – Level 4</b> |                                                                                       |                 |          |            |             |
| 3.1                                            | MSP 1 – Ground: Supply & install 16A, 2-gang rated socket outlet                      | each            | 23       | R          | R           |
| 3.2                                            | MSP 1 – Level 1: Supply & install 16A, 2-gang rated socket outlet                     | each            | 22       | R          | R           |
| 3.3                                            | MSP 1 – Level 2: Supply & install 16A, 2-gang rated socket outlet                     | each            | 18       | R          | R           |
| 3.4                                            | MSP 1 – Level 3: Supply & install 16A, 2-gang rated socket outlet                     | each            | 17       | R          | R           |
| 3.5                                            | MSP 1 – Level 4: Supply & install 16A, 2-gang rated socket outlet                     | each            | 20       | R          | R           |
| <b># MSP2: MSP 2 – LB to MSP 2 - Level 5</b>   |                                                                                       |                 |          |            |             |
| 3.6                                            | MSP 2 – Lower Basement: Supply & install 16A, 2-gang rated socket outlet              | each            | 12       | R          | R           |
| 3.7                                            | MSP 2 – Upper Basement: Supply & install 16A, 2-gang rated socket outlet              | each            | 11       | R          | R           |
| 3.8                                            | MSP 2 – Ground: Supply & install 16A, 2-gang rated socket outlet                      | each            | 19       | R          | R           |
| 3.9                                            | MSP 2 – Level 1: Supply & install 16A, 2-gang rated socket outlet                     | each            | 23       | R          | R           |
| 3.10                                           | MSP 2 – Level 2: Supply & install 16A, 2-gang rated socket outlet                     | each            | 18       | R          | R           |
| 3.11                                           | MSP 2 – Level 3: Supply & install 16A, 2-gang rated socket outlet                     | each            | 18       | R          | R           |
| 3.12                                           | MSP 2 – Level 5: Supply & install 16A, 2-gang rated socket outlet                     | each            | 23       | R          | R           |
| <b># Aviation Park: Level 1 &amp; 2</b>        |                                                                                       |                 |          |            |             |
| 3.13                                           | Aviation Park: Supply & install 16A, 2-gang rated socket outlet                       | each            | 12       | R          | R           |
| 3.14                                           | Wiring: 2.5mm <sup>2</sup> , 3-core copper cable (from essential DB to socket outlet) | meter           | 700      | R          | R           |
| 3.15                                           | 16A Circuit Breaker for essential DB                                                  | each            | 206      | R          | R           |
| 3.16                                           | Conduit/trunking and accessories for cable protection and routing                     | meter           | 700      | R          | R           |
| 3.17                                           | Testing, labelling, and commissioning of essential power outlets                      | Lot             | 1        | R          | R           |

|                                                                               |                                                           |     |   |   |   |
|-------------------------------------------------------------------------------|-----------------------------------------------------------|-----|---|---|---|
| 3.18                                                                          | Issuance of certificate of compliance as per SANS 10142-1 | Lot | 1 | R | R |
| 3.19                                                                          | Supply and installation of an IP66-rated junction box     | Lot | 1 | R | R |
| <b>Sub-total 3: Essential Double Plug Outlet Installation for BMS Sensors</b> |                                                           |     |   |   |   |

*Table 1 Project Total Cost:*

| Section                                                                | Amount (ZAR) |
|------------------------------------------------------------------------|--------------|
| Sub-total 1: Preliminaries and General                                 | R            |
| Sub-total 2: New Power Supply for VMS Units (Figures 21, 22, and 26)   | R            |
| Sub-total 3: Essential Double Plug Outlet Installation for BMS Sensors | R            |
| Contingency 5%                                                         | R            |
| <b>Grand Total (Excl. VAT)</b>                                         | <b>R</b>     |