

**SANSA MATJIESFONTEIN**  
**ELECTRICAL INSTALLATION - BMS INSTALLATION**  
**PART C1.2.6**  
**BILL OF QUANTITIES**

| ITEM   | DESCRIPTION   | UNIT | QTY | RATE | TOTAL |
|--------|---|------|-----|------|-------|
| 1.0    | <b>BILL NO. 1</b>   |      |     |      |       |
|        | <b>PRELIMINARIES AND GENERAL</b>  |      |     |      |       |
|        | <b>CONDITIONS OF CONTRACT</b>   |      |     |      |       |
|        | Provisional and General items in order to comply with the Conditions of Contract associated with the works contained in this document.  |      |     |      |       |
| 1.1    | Test, Commission and prepare As-Built drawings  | Item | 1   | R    | -     |
| 1.2    | Laminated drawings for all Plant rooms and Network rooms  | Item | 1   | R    | -     |
| 1.3    | Insurances  | Item | 1   | R    | -     |
| 1.4    | Mobilisation  | Item | 1   | R    | -     |
| 1.5    | Project Management  | Item | 1   | R    | -     |
| 1.6    | Site Tools and Instrumentation  | Item | 1   | R    | -     |
| 1.7    | Maintenance and Guarantee for 12 months after practical completion  | Item | 1   | R    | -     |
| 1.8    | Site Establishment  | Item | 1   | R    | -     |
| 1.9    | Site Running Costs  | Item | 1   | R    | -     |
| 1.10   | Demobilisation  | Item | 1   | R    | -     |
| 1.11   | Vehicles  | Item | 1   | R    | -     |
| 1.12   | Allowance to fix price for the duration of the contract   | Sum  | 1   | R    | -     |
|        | <i>The rates in the remainder of the Bill of Quantities (BOQ) must exclude these costs, as they are to be priced under this item.</i>   |      |     |      |       |
| 1.13   | Remote Location Overhead Costs  | Sum  | 1   | R    | -     |
|        | <i>Provide a lump sum cost for all additional expenses associated with working at the remote project site, located approximately 230 km from Cape Town and 5 km south of Matjiesfontein. This includes transportation of materials and personnel, accommodation, site establishment, and any other costs related to the remote nature of the location. The rates in the remainder of the Bill of Quantities (BOQ) must exclude these costs, as they are to be priced under this item.</i> |      |     |      |       |
| 1.14   | <b>OTHER ITEMS</b>  |      |     |      |       |
|        | Any other items tenderers may wish to add of a preliminary and general nature not specifically mentioned above in order to comply with the specification and contract conditions. Please add below:   |      |     |      |       |
| 1.14.1 |   | Item | 1   | R    | -     |
| 1.14.2 |   | Item | 1   | R    | -     |
| 1.14.3 |   | Item | 1   | R    | -     |
|        | <b>TOTAL - BILL NO 1 CARRIED TO FINAL SUMMARY PAGE</b>  |      |     | R    | -     |

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|------------|---|---------|-----|----------|----------|
|            |   |         |     |          |          |
| <b>2.0</b> | <b>BILL NO. 2</b>   |         |     |          |          |
|            | <b>GENERATOR BUILDING - BMS INSTALLATION</b>  |         |     |          |          |
|            | Price to include for all equipment, cabling, terminations, enclosures, communications equipment to implement a full cloud based BMS system.   |         |     |          |          |
|            | All prices listed below must make provision for the delivery to site and must include all materials deemed necessary for commissioning of equipment in full, including all handling costs, insurance and any other costs involved in the delivery of material and equipment to complete installation. |         |     |          |          |
| 2.1        | <b>Generator Building and Site - BMS Infrastructure</b>   | Supply  | 310 | R        | -        |
|            | <i>Refer to the BMS points list for details</i>   | Install | 310 | R        | -        |
| 2.2        | Allow for items not included in bill of quantities but deemed necessary to complete installation as per tender drawings. Clarify in detail.   |         |     |          |          |
| 2.2.1      |   | Sum     | 1   | R        | -        |
| 2.2.2      |   | Sum     | 1   | R        | -        |
| 2.2.3      |   | Sum     | 1   | R        | -        |
|            | <b>TOTAL - BILL NO 2 CARRIED TO FINAL SUMMARY PAGE</b>  |         |     | <b>R</b> | <b>-</b> |
| <b>3.0</b> | <b>BILL NO. 3</b>   |         |     |          |          |
|            | <b>MAIN OPERATIONS BUILDING - BMS INSTALLATION</b>  |         |     |          |          |
|            | Price to include for all equipment, cabling, terminations, enclosures, communications equipment to implement a full cloud based BMS system.   |         |     |          |          |
|            | All prices listed below must make provision for the delivery to site and must include all materials deemed necessary for commissioning of equipment in full, including all handling costs, insurance and any other costs involved in the delivery of material and equipment to complete installation. |         |     |          |          |
| 3.1        | <b>Main Operations Building - BMS Infrastructure</b>  | Supply  | 190 | R        | -        |
|            | <i>Refer to the BMS points list for details</i>   | Install | 190 | R        | -        |
| 3.2        | Allow for items not included in bill of quantities but deemed necessary to complete installation as per tender drawings. Clarify in detail.   |         |     |          |          |
| 3.2.1      |   | Sum     | 1   | R        | -        |
| 3.2.2      |   | Sum     | 1   | R        | -        |
| 3.2.3      |   | Sum     | 1   | R        | -        |
|            | <b>TOTAL - BILL NO 3 CARRIED TO FINAL SUMMARY PAGE</b>  |         |     | <b>R</b> | <b>-</b> |

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| ITEM  | DESCRIPTION   | UNIT    | QTY | RATE | TOTAL |
|-------|---|---------|-----|------|-------|
| 4.0   | <b>BILL NO. 4</b>   |         |     |      |       |
|       | <b>GATEHOUSE BUILDING - BMS INSTALLATION</b>  |         |     |      |       |
|       | Price to include for all equipment, cabling, terminations, enclosures, communications equipment to implement a full cloud based BMS system.   |         |     |      |       |
|       | All prices listed below must make provision for the delivery to site and must include all materials deemed necessary for commissioning of equipment in full, including all handling costs, insurance and any other costs involved in the delivery of material and equipment to complete installation. |         |     |      |       |
| 4.1   | <b>Gatehouse Building - BMS Infrastructure</b>  | Supply  | 35  | R    | -     |
|       | <i>Refer to the BMS points list for details</i>   | Install | 35  | R    | -     |
| 4.2   | Allow for items not included in bill of quantities but deemed necessary to complete installation as per tender drawings. Clarify in detail.   |         |     |      |       |
| 4.2.1 |   | Sum     | 1   | R    | -     |
| 4.2.2 |   | Sum     | 1   | R    | -     |
| 4.2.3 |   | Sum     | 1   | R    | -     |
|       | <b>TOTAL - BILL NO 4 CARRIED TO FINAL SUMMARY PAGE</b>  |         |     | R    | -     |
| 5.0   | <b>BILL NO. 5</b>   |         |     |      |       |
|       | <b>LEGS ANTENNA - BMS INSTALLATION</b>  |         |     |      |       |
|       | Price to include for all equipment, cabling, terminations, enclosures, communications equipment to implement a full cloud based BMS system.   |         |     |      |       |
|       | All prices listed below must make provision for the delivery to site and must include all materials deemed necessary for commissioning of equipment in full, including all handling costs, insurance and any other costs involved in the delivery of material and equipment to complete installation. |         |     |      |       |
| 5.1   | <b>LEGS ANTENNA - BMS Infrastructure</b>  | Supply  | 24  | R    | -     |
|       | <i>Refer to the BMS points list for details</i>   | Install | 24  | R    | -     |
| 5.2   | Allow for items not included in bill of quantities but deemed necessary to complete installation as per tender drawings. Clarify in detail.   |         |     |      |       |
| 5.2.1 |   | Sum     | 1   | R    | -     |
| 5.2.2 |   | Sum     | 1   | R    | -     |
| 5.2.3 |   | Sum     | 1   | R    | -     |
|       | <b>TOTAL - BILL NO 5 CARRIED TO FINAL SUMMARY PAGE</b>  |         |     | R    | -     |

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| ITEM | DESCRIPTION   | UNIT | QTY | RATE | TOTAL |
|------|---|------|-----|------|-------|
|      |   |      |     |      |       |
|      | <b>FINAL SUMMARY PAGE</b>   |      |     |      |       |
|      | <b>BILL NO. 1</b>   |      |     |      |       |
|      | PRELIMINARIES AND GENERAL   |      |     |      | R -   |
|      | <b>BILL NO. 2</b>   |      |     |      |       |
|      | GENERATOR BUILDING - BMS INSTALLATION   |      |     |      | R -   |
|      | <b>BILL NO. 3</b>   |      |     |      |       |
|      | MAIN OPERATIONS BUILDING - BMS INSTALLATION   |      |     |      | R -   |
|      | <b>BILL NO. 4</b>   |      |     |      |       |
|      | GATEHOUSE BUILDING - BMS INSTALLATION   |      |     |      | R -   |
|      | <b>BILL NO. 5</b>   |      |     |      |       |
|      | LEGS ANTENNA - BMS INSTALLATION   |      |     |      | R -   |
|      | Any other items tenderers may wish to add of a Technical nature not specifically mentioned above in order to comply with the specification and contract conditions. Please add below: |      |     |      |       |
|      |   |      |     |      |       |
|      |   |      |     |      |       |
|      |   |      |     |      |       |
|      |   |      |     |      |       |
|      |   |      |     |      |       |
|      |   |      |     |      |       |
|      | <b>TOTAL CARRIED TO BILL NO. 16 ELECTRICAL INSTALLATION - BMS INSTALLATION PART C1.2.6</b>  |      |     |      | R -   |
|      |   |      |     |      |       |