

ESKOM HOLDINGS SOC LTD



PROVISIONAL BOQ OF HVAC EQUIPMENT FOR RADIO SITES

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                      | UNIT | FIXED CHARGE | TIME RELATED | TOTAL AMOUNT |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--------------|--------------|--------------|
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      | (1)          | (3)          | (1+2+3)      |
| 1    | <b>BILL NO. 1 - PRELIMINARY AND GENERAL</b>                                                                                                                                                                                                                                                                                                                                                                                                      | Sum  |              |              |              |
|      | <b>(Applicable to the whole of the Works)</b>                                                                                                                                                                                                                                                                                                                                                                                                    |      |              |              |              |
|      | <u>Notes to Tenderers:</u><br><br>The following bills in this section, are according to the "SABS 1200 System for Measuring Civil Works" as published by the SABS.<br><br><b>The Contractor shall price Bill No. 1 - Preliminary and General</b> in respect of all payment required for any work, risk, contingency or obligation whatsoever, that is not described in the Bill of Quantities and which is his responsibility under the Contract |      |              |              |              |
|      | <b>PRELIMINARY AND GENERAL</b>                                                                                                                                                                                                                                                                                                                                                                                                                   |      |              |              |              |
| 1    | <b>FIXED CHARGE ITEMS</b>                                                                                                                                                                                                                                                                                                                                                                                                                        | Sum  |              |              |              |
|      | Contractual requirements.                                                                                                                                                                                                                                                                                                                                                                                                                        |      |              |              |              |
|      | <u>Establishment of Facilities on the Site</u>                                                                                                                                                                                                                                                                                                                                                                                                   |      |              |              |              |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |              |              | R -          |

|   |                                                                                                          |     |          |          |          |          |
|---|----------------------------------------------------------------------------------------------------------|-----|----------|----------|----------|----------|
|   | <u>Facilities for the Engineer:</u>                                                                      |     |          |          |          |          |
| 2 | Name boards (In No. 2).                                                                                  | Sum |          |          | R        | -        |
|   | <u>Facilities for the Contractor:</u>                                                                    |     |          |          |          |          |
| 3 | Living accommodation.                                                                                    | Sum |          |          | R        | -        |
| 4 | Tools and equipment.                                                                                     | Sum |          |          | R        | -        |
| 5 | Complying with Health and Safety Specifications                                                          | Sum |          |          | R        | -        |
| 6 | Complying with COVID 19 regulations                                                                      | Sum |          |          | R        | -        |
| 7 | Complying with Environmental Management Programme Act and all other statutory environmental requirements | Sum |          |          | R        | -        |
| 8 | Supervision for duration of construction.                                                                | Sum |          |          | R        | -        |
| 9 | Company and head office overhead costs for duration of construction.                                     | Sum |          |          | R        | -        |
|   | <b>Total Carried Forward to Main Summary Page</b>                                                        |     | <b>R</b> | <b>-</b> | <b>R</b> | <b>-</b> |

| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                 | UNIT | QTY | RATE | AMOUNT |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----|------|--------|
|      | <b><u>BILL No. 2 - ALTERATIONS</u></b>                                                                                                                                                                                                                                                                                                                                                                      |      |     |      |        |
|      | <u>Removal of existing work</u>                                                                                                                                                                                                                                                                                                                                                                             |      |     |      |        |
|      | NOTE: Remove old air conditioning units and to be handed over to the Eskom representative or arrangement to made with contractor to dispose off it at a reputable disposal site and handover disposal certificate and all other rubble to be disposed off at a registered dump site.                                                                                                                        |      |     |      |        |
|      | <u>Take out and removing existing airconditioning units complete with accessories and make good</u>                                                                                                                                                                                                                                                                                                         |      |     |      |        |
| 1    | Remove existing indoor airconditioning units including all the accessories,ducts, trunking etc.                                                                                                                                                                                                                                                                                                             | No   | 122 |      |        |
| 2    | Remove existing outdoor airconditioning units including all the accessories,ducts, trunking etc.                                                                                                                                                                                                                                                                                                            | No   | 122 |      |        |
|      | <b>Total Carried Forward to Main Summary Page</b>                                                                                                                                                                                                                                                                                                                                                           |      |     |      | R -    |
| ITEM | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                 | UNIT | QTY | RATE | AMOUNT |
|      | <b><u>BILL No. 3 - AIRCONDITIONING</u></b>                                                                                                                                                                                                                                                                                                                                                                  |      |     |      |        |
|      | <b>PREAMBLES</b>                                                                                                                                                                                                                                                                                                                                                                                            |      |     |      |        |
|      | For preambles see "Model Preambles for Trades (2008 Edition)" and applicable supplementary preambles as specified in the Trades. The said Model and Supplementary Preambles apply to all work described in this document. Tenderers are therefor referred to these documents for the full meaning and intention of all descriptions as no claims of any kind whatsoever will be entertained in this regard. |      |     |      |        |
|      | Tenderers are however also referred to the drawings and additional specifications. If same are in conflict with the above, the drawings and specifications shall take preference.                                                                                                                                                                                                                           |      |     |      |        |
|      | <b><u>AIR-CONDITIONERS IN MPUMALANGA AND LIMPOPO</u></b>                                                                                                                                                                                                                                                                                                                                                    |      |     |      |        |
| 1    | Supply 12000 BTU high wall split unit including installation material                                                                                                                                                                                                                                                                                                                                       | No   | 18  |      |        |
| 2    | Supply 18000 BTU high wall split unit including installation material                                                                                                                                                                                                                                                                                                                                       | No   | 56  |      |        |
| 3    | Supply 24000 BTU high wall split unit including installation material                                                                                                                                                                                                                                                                                                                                       | No   | 2   |      |        |
| 4    | Install and Commission 12000 BTU high wall split unit including installation material                                                                                                                                                                                                                                                                                                                       | No   | 18  |      |        |

|                                                           |                                                                                       |    |     |   |   |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------|----|-----|---|---|
| 5                                                         | Install and Commission 18000 BTU high wall split unit including installation material | No | 56  |   |   |
| 6                                                         | Install and Commission 24000 BTU high wall split unit including installation material | No | 2   |   |   |
| 7                                                         | Supply Vandel cage for compressor                                                     | No | 49  |   |   |
| 8                                                         | Installation of Vandel Cage for compressors                                           | No | 49  |   |   |
| 5                                                         | R410 refrigerant                                                                      | No | 74  |   |   |
| <b><u>AIR-CONDITIONERS IN GAUTENG AND NORTHWEST</u></b>   |                                                                                       |    |     |   |   |
| 1                                                         | Supply QHC018DS Fix Speed Air-conditioner units                                       | No | 48  |   |   |
| 2                                                         | Install and Commission QHC018DS Fix Speed Air-conditioner units                       | No | 48  |   |   |
| 3                                                         | R410 refrigerant                                                                      | No | 48  |   |   |
| <b><u>INSTALLATION MATERIAL GAUTENG AND NORTHWEST</u></b> |                                                                                       |    |     |   |   |
| 1                                                         | 3/8" Armerflex (2m)                                                                   | No | 96  |   |   |
| 2                                                         | 1/2" Armerflex (2m)                                                                   | No | 96  |   |   |
| 3                                                         | 3/8" Copper Tubing (15.5) - R410                                                      | No | 96  |   |   |
| 4                                                         | 1/2" Copper Tubing (15.5) R410                                                        | No | 96  |   |   |
| 5                                                         | Raw Bolts                                                                             | No | 240 |   |   |
| 6                                                         | Plug Tops                                                                             | No | 48  |   |   |
| 7                                                         | 3 Core Cable                                                                          | No | 144 |   |   |
| 8                                                         | 7 Core Cable                                                                          | No | 144 |   |   |
| 9                                                         | Hilty Nails                                                                           | No | 480 |   |   |
| 10                                                        | 20mm Sprague Tubing                                                                   | No | 144 |   |   |
| 11                                                        | Cable Straps                                                                          | No | 960 |   |   |
| 12                                                        | PVC Tape                                                                              | No | 48  |   |   |
| 13                                                        | 20mm PVC Couplings                                                                    | No | 48  |   |   |
| 14                                                        | Outdoor Brackets / Plinths                                                            | No | 46  |   |   |
| 15                                                        | Self Tapping Screws                                                                   | No | 960 |   |   |
| <b>Total Carried Forward to Main Summary Page</b>         |                                                                                       |    |     | R | - |

| ITEM | DESCRIPTION                                                                                            | UNIT  | QTY       | RATE | AMOUNT    |
|------|--------------------------------------------------------------------------------------------------------|-------|-----------|------|-----------|
|      | <b><u>BILL No. 4 - ELECTRICAL</u></b>                                                                  |       |           |      |           |
| 1    | Electreal Connections (Cable installation and termination) at 76 sites of both Mpumalanga and Limpopo. | No    | 76        |      | R -       |
| 2    | Electrical Connections( Cable installation and termination) at 23 sites in Gauteng and NW              | No    | 23        |      | R -       |
|      | <b>Total Carried Forward to Main Summary Page</b>                                                      |       |           |      | R -       |
| ITEM | DESCRIPTION                                                                                            | UNIT  | QTY       | RATE | AMOUNT    |
|      | <b><u>BILL No. 5 - HVAC COC</u></b>                                                                    |       |           |      |           |
| 1    | Mpumalanga and Limpopo                                                                                 | Sites | 76        |      |           |
| 2    | Gauteng and North West                                                                                 | Sites | 23        |      |           |
|      | <b>Total Carried Forward to Main Summary Page</b>                                                      |       |           |      | R -       |
| ITEM | DESCRIPTION                                                                                            | UNIT  | QTY       | RATE | AMOUNT    |
|      | <b><u>BILL No.6 - TRANSPORT</u></b>                                                                    |       |           |      |           |
| 1    | Sedan (MP and Limpopo)                                                                                 | km    | Rate only |      | Rate only |
| 2    | 4X2 (MP and Limpop)                                                                                    | km    | Rate only |      | Rate only |
| 3    | 4x4 (MP and Limpopo)                                                                                   | km    | Rate only |      | Rate only |
| 4    | Sedan (Gauteng and North West)                                                                         | km    | Rate only |      | Rate only |
| 5    | 4X2 (Gauteng and North West)                                                                           | km    | Rate only |      | Rate only |
| 6    | 4x4 (Gauteng and North West)                                                                           | km    | Rate only |      | Rate only |

EMPLOYER: ESKOM HOLDINGS SOC LTD

PROJECT NAME:

PROVISIONAL BOQ OF HVAC EQUIPMENT FOR RADIO SITES



0

| BILL NUMBER | DESCRIPTION                                         | AMOUNT |   |
|-------------|-----------------------------------------------------|--------|---|
| 1           | PRELIMINARY AND GENERAL                             | R      | - |
|             | 1.1 FIXED CHARGE ITEMS                              |        | - |
|             | 1.2 TIME RELATED ITEMS                              |        | - |
| 2           | ALTERATIONS                                         | R      | - |
| 3           | AIR-CONDITIONING                                    | R      | - |
| 4           | ELECTRICAL                                          | R      | - |
| 5           | HVAC COC                                            | R      | - |
| 6           | TRANSPORT                                           | R      | - |
|             | SUB-TOTAL CARRIED TO FORM OF OFFER (EXCL UDING VAT) | R      |   |