

ANNEXURE C3.2: Scope of Work

1. GENERAL SPECIFICATIONS

An analysis was performed by Electrical Assets to provide a quick solution for the temporary power supply at strategic areas to ensure that all the business units situated at the site continue being functional. The following solution was proposed and this becomes the scope of work:

1. Install a low voltage feeder cable (estimated size 95mm² x 4 core PVC/PVCSWAPVC copper) of approximately 272 metres from the Zwartkopjes Chlorine Plant mini substation to the distribution board in the Pipe Fabrication Plant. This cable is indicated as A on Figure 3.
2. Install a suitably rated circuit breaker and low voltage feeder cable (estimated size 35mm² x 4 core PVC/PVCSWAPVC copper) of approximately 144 metres from the distribution board in the Fabrication Plant to the distribution board in the Paint Store. This cable is indicated as B on Figure 3.
3. Install a suitably rated circuit breaker and low voltage feeder cable (estimated size 25mm² x 4 core PVC/PVCSWAPVC copper) of approximately 100 metres from the distribution board in the Paint Store to the distribution board in the Green Area room. This cable is indicated as C on Figure 3.
4. Install earth cables with all low voltage cables mentioned above.
5. Allow for approximately 300 metres length of 1-metre-deep trenching and protection of cable with concrete.
6. Resuscitation of lighting, cameras and installation of Wi-Fi.
7. Preparation of safety file including supplier's Certificate of Competence.

NB: Install barricading/fencing to avoid traffic passing over cables which are not buried. (Unfortunately, there are sections of the cable route where excavation would be expensive and difficult to do. For example, the section from the Fabrication Plant DB to the Paint Store, cable B, will all be above ground as well as sections of cable A, and additionally cable C from the Paint Store to the Green Area Building



NB: THE CONTRACTOR SHALL:

- Be fully conversant with the scope
- Be fully conversant with all environmental legislation and ensure compliance.
- Confine activities to the demarcated construction site.
- Ensure that safety comes first in all activities.
- That all requirements of the tender are adhered to and addressed.
- Take pictures of the project progress, before and after ripping of the identified. Pictures need to have date taken during the work progress on site.

8. EXISTING INFRASTRUCTURE

Underground service detection is recommended before commencement.

The Supplier to protect and where required make good the existing infrastructure after completion of work. These will be tested after completion of work and only then can invoices be processed.

9. SCHEDULE OF QUANTITIES

PREAMBLE TO THE SCHEDULE OF QUANTITIES AND RATES

- a) The Standard Commercial Terms and Conditions, The Special Commercial Terms and Conditions, the Specifications (including the Project Specification), and any Drawings are to be read in conjunction with the Schedule of Quantities and Rates.
- b) The Schedule comprises items covering the Service Provider's profit and costs of general liabilities and of the design, manufacture, supply, installation and commissioning of temporary and permanent Works. The Proposer is at liberty to insert a rate of his own choosing for each item in the Schedule and any item against which no quantity (where applicable) or rate is entered will be considered to be covered by other items in the Schedule.
- c) The quantities and rates inserted in the Schedule are to be inclusive prices to the Employer for the work described under the several items. Such prices shall cover all costs and expenses that may be required in and for the Works, 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. All rates and amount shall be nett, exclusive of Value Added Tax (VAT) and shall be carried to the summary page in their nett form. VAT will then be calculated on the total of the nett amounts.
- d) All quantities and rates as set forth and inserted in the Schedule and extended to the totals for each portion of the Schedule, shall be considered as being totally inclusive for the whole of the Works as stipulated, or as can reasonably be inferred from these Documents.
- e) All product guarantees are deemed to be included in the rates, and installation and application rates will include all necessary inspections and approvals to maintain guarantees.
- f) "Complete" as it is used in the Schedule means the complete system or unit as specified in the particular documents.
- g) Each item in the Schedule which is priced, shall be filled in black ink.
- h) All quantities shall be considered as final and sufficient for the work described. The Proposer shall satisfy himself as to the sufficiency of quantities but may not change quantities. Quantities shall be re-measured and payment shall be made according to the adjusted total only.
- i) In case of arithmetical errors in the multiplication of rates and quantities in the Proposal, the amount shall not be changed. In case of incorrect summation of amounts in the Proposal, the Lump Sum total shall remain fixed.

7. HEALTH AND SAFETY

Safety during construction is paramount, and the Contractor must adhere to the statutory construction regulations and other regulatory requirements.

Contractor's will have to undergo appropriate induction Rand Water before commencing work

- The Environmentalist Rehabilitation must be informed of the starting date BEFORE starting.
- Induction certificates must be available at all times when work is carried out on site