

**ESKOM GENERATION****2024**

Design, Supply Fabricate and Install  
IAC & CCTV Upgrade Project for a  
period of 12 months at Camden  
Power Station :Provisional Bills of  
Quantities

**CONTRACT NUMBER :****CONTRACTOR :****CONTRACT AMOUNT  
(Excluding VAT) :****CONTRACT AMOUNT  
(INCLD VAT) :**

# TABLE OF CONTENTS

**Design,Fabricate, Supply and Install IAC & CCTV Upgrade Project for a period of 12 months at Camden  
Power Station: Provisional Bills Of Quantities**

**TABLE OF CONTENTS**

**Contract Data**

Notes to Tenderers

**Bill of Quantities**

1 Preliminaries

2 IAC AND CCTV Boq

Final Summary

# NOTES TO TENDERERS

**NOTES TO TENDERERS**

**NOTES TO TENDERERS**

**1. BILLS OF QUANTITIES**

This document comprises Notes to Tenderers and Bills of Quantities and is hereafter referred to as "the Bills of Quantities".

**The Tenderers are to note that this is a Contract with a Bills of Quantities.**

**2.1 CONTRACT DOCUMENTS**

The contract documents will consist of:

2.1.1 The NEC3 Engineering and Construction Short Contract 2013 together with all amendments.

2.1.2 These Bills of Quantities, including all annexures and supplementary documentation referred to therein.

2.1.3 Documents to be provided by the Contractor in terms of the requirements of these Bills of Quantities.

2.1.4 Construction Regulations 2014

2.1.5 Occupational Health and Safety Act of 1993

2.1.6 All regulations referred to in the Standard Specifications attached with this Contract Document

**2.2 DRAWINGS**

**There are no drawings available for this project**

**4 VALUE ADDED TAX**

Tenderers should compute their rates from the net costs (excluding Value Added Tax). Value Added Tax at the current rate of 15% is to be added to the net sub-total on the final summary page by means of a single sum calculation to establish the tender price.

**5 SCOPE OF WORK**

As a guide only, the work comprises as follows:-

Design,Fabricate,Supply and Install IAC & CCTV Upgrade Project for a period of 12 months at Camden Power Station in line with the detailed Standard Specification attached with this document

**6 ADDRESS WHERE DOCUMENTS CAN BE OBTAINED**

Tender documents will be made available Electronically on an online portal to be provided by Eskom

**7 POSSESSION OF SITE**

The date of which possession of the Site shall be given to the Contractor shall be within 7 **working days** of the acceptance of this tender.

**8 CONSTRUCTION PERIOD - DATES FOR PRACTICAL COMPLETION**

The intended date for practical completion and penalty for each calendar day for non-completion shall be:

**Practical Completion: 12\_Month** from the date of Site Handover

**9. COMMON LAW OR BY-LAW REQUIREMENTS**

No liability for not specifically mentioning any normal contractual, Common Law or By-Law requirements will be accepted by the Employer, or Contracts Manager.

## **10 AREA OF WORKS**

The Tenderer shall ascertain by personal viewing of the site any restrictions to the area that may be occupied by the contractor including any restrictions imposed by any buildings, etc. and any limitations or restrictions that may be imposed by Eskom Engineers.

Access to the site shall be logically planned and enclosed to ensure minimum disruption to existing user operations.

The contractor is deemed to have allowed for all necessary temporary fencing, screening, hoardings, etc.

Space for the storage of Materials must be arranged with the Contracts Manager

The Contractor shall make all necessary provisions in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained as admitted. Tenderers will be held responsible for any misunderstanding of incorrect information, however obtained, except information which may have been given in writing over the signature of the Contracts Manager.

## **11 MANAGEMENT OF WORKS**

The Contractor shall, to the satisfaction of the Contracts Manager, provide, in addition to the Contractor's Site Representative, the services of an experienced and competent Construction Manager.

The names and CV's of the Contractor's proposed Management Team shall be submitted to the Contracts Manager prior to commencement on site and, after the Contracts Manager's agreement on the composition and competence thereof has been obtained, no changes shall be made nor shall any member of the said team be removed from the project while remaining in the employ of the Contractor without the Contracts Manager's prior written approval.

The Contractor shall make necessary provisions in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained or admitted.

## **12 INSPECTION OF WORK**

The Contractor shall obtain all approvals by the Contracts Manager prior to covering up. The fact that the work will be inspected periodically in no way absolves the Contractor from total responsibility for the quality of his workmanship and for compliance with the specification. He shall timeously notify the Contracts Manager so that inspections can be arranged.

## **13 SITE CLEANLINESS**

The Contractor shall clear away all dirt, rubbish and superfluous material as they accumulate and leave the whole of the site clean and tidy on completion to the satisfaction of the Contracts Manager. The Contractor is advised that the adjacent site is functional at all times and that the incumbents should not be unduly inconvenienced.

## **14 ORDERING OF MATERIALS**

No claims will be entertained due to non-availability of materials or labour. The Tenderer is therefore required to investigate and ensure that the specific materials and components required for the works will be available at the relevant estimated construction times, at the time of tendering.

## **15 PROGRAMME**

The Contractor will be required to submit an outline programme of work to completion of the contract with the issue of the Form of Offer and Acceptance.

## **16 CONTRACT PRICE ADJUSTMENT**

The Contract Sum shall NOT be subject to CPAP.

### **17 a. PRICED BILLS OF QUANTITIES:**

Tenderers must submit to the Contracts Manager a copy of the Bills of Quantities fully priced and extended, with his tender. After the Bills have been checked, and when called upon, each page of the Bills of Quantities shall be initialed and the Index page and the Final Summary page signed in full by the Tenderer.

### **17 b. PAYMENT OF PRELIMINARIES:**

Tenderers are to note that the Payment of Preliminaries & Generals shall be on the NEC3 Short Contract [Prorated to the Value of Work Executed]

#### **17 c. ADJUSTMENT OF PRELIMINARIES:**

Tenderers are to note that the Adjustment of Preliminaries & Generals shall be on NEC3 Short Contract [Fixed - 10%, Value - 15% and Time - 75%]

#### **18 DIFFERENCE AND DISCREPANCIES:**

Should there be any difference or discrepancy between the prices or particulars contained in the official Tender Form and those contained in any covering letter from the Tenderer, the prices contained in the official Tender Form shall prevail.

Every Tenderer shall be deemed to have waived, renounced and abandoned any conditions printed or written upon any stationery used by him for the purpose of or in connection with the submission of his Tender, which are in conflict with the Conditions of Tender or Special and General Conditions of Contract.

Tenderers are warned that any material divergence from the official conditions or specifications may render their Tenders liable to disqualification.

The Tenderers are to note that if there are any arithmetical errors in the Tenderers' form of tender in calculation of the Tender Sum, the Contracts Manager will correct the calculation accordingly.

#### **19 COMMUNICATION WITH MEMBERS OF THE CLIENT COMPANY OR PROFESSIONAL TEAM**

A Tenderer shall not in any way communicate with a member of the Client Company or Professional Team or with any officer on a question affecting any contract or the supply of goods or for any work, undertaking or service which is the subject of a Tender during the period between the closing date for receipt of Tenders and the dispatch of the written notification of the Employer's decision on the award of the contract; provided that a Tenderer shall not hereby be precluded from obtaining from the Employer or his authorised representative information as to the date upon which the award of the contract is likely to be made or, after the decision upon the award has been made by the Contracts Manager to which the Employer had delegated its powers, information as to the nature of the decision or such information as was publicly disclosed at the opening of Tenders.

#### **20 IMPORT PERMITS:**

Tenderers must apply direct for any import permit and/or currency if required, however the Contracts Manager will furnish successful Tenderers with a supporting statement if required.

#### **21 BILLS OF QUANTITIES:**

No alteration, erasure, omission or addition is to be made to the text and conditions of these Bills of Quantities and should any such alteration, amendment, note or addition be made, the same will not be recognized, but the reading of the Bills of Quantities as prepared by the Contracts Manager will be adhered to.

It should be understood that the system of measurement herein adopted is the only system of measurement which will be recognized in connection with this contract. Before the signing of the contract, the Contracts Manager will be entitled to call for adjustments of individual rates and rectify discrepancies, as he considers necessary without alterations to the Tender amount.

#### **22 ESKOM REGULATIONS**

The Contractor shall comply with all requirements of ESKOM in connection with traffic control, gaining access to the site, prevention or disruption of the flow of traffic, transporting of materials and equipment to and from the site and he shall make all necessary arrangements.

#### **23 PROTECTION OF PERSONS AND PROPERTY**

The Contractor shall adopt all safety measures in compliance with all statutes, regulations, etc., and shall take all measures to protect all property and to secure the safety and freedom from injury of all persons.

The Contractor shall in addition take all necessary steps to prevent nuisance from dust and the like and shall use every endeavor to minimize noise emanating from the Contract Works. The Contractor is referred to the various forms that require his attention prior to commencing work on site - All forms duly completed and signed must be forwarded to the Contracts Manager.

Tenderers are to note that the building will remain occupied for the duration of the Works except for the sections of the Works under construction in terms of the requirements of the Sectional Completion.

## **24 EXISTING AND ADJOINING PROPERTIES, PAVINGS ETC.**

The Contractor shall execute the whole of the Contract Works with the minimum of disturbance to the existing and adjoining premises and occupants thereof. He shall keep the Site dust free and clean, and shall keep pavements, surrounding roads etc., free of builder's rubble and clean to the entire satisfaction of the Contracts Manager and the Authorities.

The Contractor shall leave such buildings, structures, fences, paving's, roadways, Kerbs, gardens, municipal pavements, streets, etc., in the same condition at completion as they were at the commencement of the Contract. Before commencing work, the Contractor shall arrange with the owners of the existing and adjoining buildings and/or the Authorities for an inspection to be made jointly with themselves, the Contractor and the Contracts Manager in order to make written notes of any defects, etc. which may later be claimed to have been caused by the operations under this Contract. Should defects be disclosed, the Contractor shall submit same in writing to the Contracts Manager before commencing the Contract, failing which it shall be understood that no such defects existed and the Contractor shall be liable for all claims in this connection.

## **25 PROCEDURE OF WORKS**

The Contractor shall be solely responsible for ensuring that the procedure of works is kept to and no deviations will be entertained.

Should this, however not be possible then the Contractor shall timeously notify the Contracts Manager

The Contractor shall make any and all necessary allowances in his pricing for the disruption and costs that will be required to comply with any such restrictions.

## **SPECIAL CLAUSES**

### **26 CONTRACTOR'S RESPONSIBILITY**

The Contracts Manager and the other Professional Consultants shall not be responsible for any act or omission on the part of the Contractor, which may result in any patent or latent defects, in materials or workmanship, breach or neglect of any local regulations. The Contractor shall at all times be responsible for any such neglect, deviation or wrong act, whether the same is discovered before or after the final certificate, or any other Certificate, has been approved.

### **27 SITE INSTRUCTIONS AND RECORDS**

The Contractor shall supply and have available at the site of the works at all times, the following site books:-

#### **a) Site Instruction Book**

Receiving and recording instructions in a suitable A4 size triplicate book kept on site. Instructions issued shall be recorded by the Contracts Manager or other Employer's Agents to whom the Contracts Manager has delegated Authority in the book.

Only site instructions issued in such a book shall be recognized.

#### **b) Daily Record Book**

The Contractor shall record in a suitable A4 size triplicate book kept at the site, a daily record of work done, all site visits by the Contracts Manager and other professional personnel and all events affecting the Works, such as progress, issue of plans, breakdown of machinery, etc. The labour, plant and material on site shall be recorded as well as work performed. Entries must be made by the Contractor and must be signed and forwarded to the Contracts Manager for his counter signature on a daily basis. Copies of these records shall be for the Contracts Manager, Employer and Contractor.

### **28 LOCATION OF TEMPORARY BUILDING AND TEMPORARY SERVICES**

The Contractor shall provide all necessary temporary works, including temporary roads, tracks, crossings, hard standing and services, etc. required for his own and Sub-Contractor's use during the construction and maintenance period.

There is no guarantee given or implied that Site Conditions will be such that the Contractor will be able to erect such offices, stores and temporary accommodation within the site boundaries and it shall be the Contractor's responsibility to adopt whatever measures he deems necessary in this regard and to obtain permission and pay all cost in connection therewith.

By the submission of a tender, any Tenderer will, if awarded the contract to which this tender document relates, be deemed to be the mandatory as envisaged by Section 37 (2) of the Act. As a mandatory the successful Tenderer will be deemed to be the " Contractor" and an Employer in his/her/their own right with duties as prescribed in the Act and accordingly will be deemed to have agreed to be solely responsible for ensuring that in connection with the service to which this tender document relates, all work will be performed and machinery and plant used in accordance with the Act. Should the Contractor, for whatever reason be unable to perform as required by the Act, the Contractor undertakes to inform the Employer accordingly.

**The Contractor (mandatory) will be required to:-**

- 1 Provide the Employer with a Health and Safety programme and plan specifically related to the Works and ensure that the programme and plan are implemented and maintained, with the programme being subject to audit, at least once a month, by the Contracts Manager;
- 2 Exercise discretion and appoint a Full-time Safety Officer (in writing) to assist in the control of all safety related aspects, and to give input into the health and safety plan;
- 3 Appoint (in writing) a full time competent Supervisor (as defined in the Regulation in terms of the Act) to supervise the project;
- 4 Provide the Employer and any Sub-Contractors that may be engaged by the Contractor and/or Nominated Sub-Contractors with a programme of construction for the Works as well as a method statement with the necessary details and procedures for execution;
- 5 Provide the Employer both before commencing and during construction work with a copy of a risk assessment performed by a competent person who has been appointed in writing by the Contractor, and the risk assessment must form part of the health and safety plan;
- 6 Ensure that every employee or person (including visitors) who enters the site of the Works undergoes health and safety induction training pertaining to hazards identified on the site of the Works and upon such training having been successfully completed, the Contractor must issue written confirmation by a competent person to the trained employees or persons who shall be further instructed to carry such confirmation with them at all times whilst on the site of the Works;
- 7 Issue, on loan, the necessary personal protective equipment to visitors to the site of the Works; and
- 8 Be in good standing with the Compensation Commissioner at all times during the duration of the Contract.
- 9 The Contractor is to sign a Non-Disclosure Agreement prior to collecting or receiving any proprietary information from Eskom, drawings, documentation, reports and photographs

The Contractor will be deemed to have satisfied himself with his obligations in terms of the Act and to have allowed for all costs arising from compliance with the Act as no claim for extra costs arising from compliance with, and obligations in terms of the Act will be entertained.

**29 CONTRACTORS TO VISIT SITE PRIOR TO SUBMISSION OF TENDER**

The contractors are urged to visit the site that has been identified to get an overview of the nature of works and the location of the building prior to pricing this document.

**30 PRICING OF THESE GENERAL NOTES**

The Contractor must allow in his pricing for any additional costs arising from these "General Notes" as no later claims for additional costs will be considered.

**31 TAX COMPLIANCE**

Failure to provide mandatory information required in this Bid will result in the submissions being deemed null and void and shall be considered non-responsive. An Electronic Tax Compliance Status (TCS) System will be used to verify the bidder's tax compliance status so bidders must request a unique security personal identification number (PIN) from SARS which must be submitted with the bid

**No alternative tender offers will be considered.**

**These Bills are not to be used for the purpose of ordering materials.**

**All Bill rates are to include for material, labour, plant, wastage, transport and profit.**

# PRELIMINARIES AND GENERAL

Design,Supply and Install IAC & CCTV Upgrade Project for a period of 12 months at Camden Power Station:Provisional Bills Quantities

| Schedule Description                                                                                                                                                                               |                                                                                                             | Unit |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|------|--|
| <b>PRELIMINARIES AND GENERAL</b>                                                                                                                                                                   |                                                                                                             |      |  |
| 1.The Section of The Works information headed                                                                                                                                                      |                                                                                                             |      |  |
| Notes                                                                                                                                                                                              |                                                                                                             |      |  |
| Preliminaries shall be taken to be incorporated herein.                                                                                                                                            |                                                                                                             |      |  |
| The Agreement shall be the NEC 3 Engineering and Construction Short Contract, Third Edition April 2013 edition together with the following additional conditions Z1 to Z15 which always will apply |                                                                                                             |      |  |
| <b>ESTABLISHMENT OF FACILITIES ON SITE</b>                                                                                                                                                         |                                                                                                             |      |  |
| <b>1</b>                                                                                                                                                                                           | <b>FIXED CHARGES</b>                                                                                        |      |  |
| 1,1                                                                                                                                                                                                | Contractual requirements, sureties & insurance (Contractor to supply Breakdown)                             | sum  |  |
| 1,2                                                                                                                                                                                                | <b>Establishment of facilities on site for duration of contract.</b>                                        |      |  |
| 1,3                                                                                                                                                                                                | Transportation to site                                                                                      | sum  |  |
| 1,4                                                                                                                                                                                                | Offices for Engineer & staff and signs                                                                      | sum  |  |
| 1,5                                                                                                                                                                                                | <b>Facilities for the Contractor for the duration of construction</b>                                       |      |  |
| 1,6                                                                                                                                                                                                | Storage sheds                                                                                               | sum  |  |
| 1,7                                                                                                                                                                                                | Eating area                                                                                                 | sum  |  |
| 1,8                                                                                                                                                                                                | Ablution & latrine facilities                                                                               | sum  |  |
| 1,9                                                                                                                                                                                                | Plant,Tools & equipment                                                                                     | sum  |  |
| 1,1                                                                                                                                                                                                | Water supplies& electric power connections                                                                  | sum  |  |
| 1,11                                                                                                                                                                                               | COC for all offices                                                                                         | sum  |  |
| 1,12                                                                                                                                                                                               | <b>Site Establishment and Contractor's obligations in respect of the Occupational Health and Safety Act</b> |      |  |
| 1,13                                                                                                                                                                                               | Health and Safety Requirements                                                                              | sum  |  |
| 1,14                                                                                                                                                                                               | Survey/Setting Out                                                                                          | sum  |  |
| 1,15                                                                                                                                                                                               | Testing of Material                                                                                         | sum  |  |
| 1,16                                                                                                                                                                                               | PPE                                                                                                         | sum  |  |
| 1,17                                                                                                                                                                                               | Medicals and Induction                                                                                      | sum  |  |
| 1,18                                                                                                                                                                                               | Quality                                                                                                     | sum  |  |
| 1,19                                                                                                                                                                                               | SAPS Vetting and /or Finger Print Check                                                                     | sum  |  |
| 1,2                                                                                                                                                                                                | Plant,Temporary Scaffolding and barricading for the works                                                   | sum  |  |
| 1,21                                                                                                                                                                                               | Other fixed-charge obligations: security, deviations and dealing with traffic.                              | sum  |  |
| 1,22                                                                                                                                                                                               | De- establishment                                                                                           | sum  |  |
| <b>TOTAL COST FIXED CHARGES (A)</b>                                                                                                                                                                |                                                                                                             | R    |  |
| <b>2</b>                                                                                                                                                                                           | <b>TIME RELATED CHARGES</b>                                                                                 |      |  |
| <b>FACILITIES FOR CONTRACTOR</b>                                                                                                                                                                   |                                                                                                             |      |  |
| 2,1                                                                                                                                                                                                | Contractual requirements, subsistence, transport and incidental expenses                                    | sum  |  |
| 2,2                                                                                                                                                                                                | Operate & maintain facilities for the duration of the contract                                              | sum  |  |
| 2,3                                                                                                                                                                                                | Offices for Engineer & staff and notice board                                                               | sum  |  |
| 2,4                                                                                                                                                                                                | <b>Facilities for the Contractor for the duration of construction</b>                                       |      |  |
| 2,5                                                                                                                                                                                                | Offices & storage sheds                                                                                     | sum  |  |
| 2,6                                                                                                                                                                                                | Workshops                                                                                                   | sum  |  |
| 2,7                                                                                                                                                                                                | Ablution & latrine facilities                                                                               | sum  |  |
| 2,8                                                                                                                                                                                                | Tools & equipment                                                                                           | sum  |  |
| 2,10                                                                                                                                                                                               | Environmental requirements                                                                                  | sum  |  |
| 2,11                                                                                                                                                                                               | Accommodation and meals                                                                                     | sum  |  |
| 2,12                                                                                                                                                                                               | Transport for staff and equipment                                                                           | sum  |  |
| 2,13                                                                                                                                                                                               | Plant                                                                                                       | sum  |  |
| 2,14                                                                                                                                                                                               | Other time-related obligations: security and other as deemed necessary                                      | sum  |  |
| <b>TOTAL COST TIME RELATED ITEMS TO SUMMARY (B)</b>                                                                                                                                                |                                                                                                             | R    |  |
| <b>TOTAL FIXED AND COST TIME RELATED ITEMS (A+B )CARRIED TO FINAL SUMMARY</b>                                                                                                                      |                                                                                                             | R    |  |

SECTION 3: IAC AND CCTV  
UPGRADE BOQ

**Design,Fabricate,Supply and Install IAC & CCTV Upgrade Project for a period of 12 months at Camden Power Station**

| Page | Item | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Uom | Quantity | Rate | Amount |
|------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|------|--------|
|      |      | <p><b>PROVISIONAL BILLS OF QUANTITIES</b></p> <p><b>BILL NO.1 : IAC AND CCTV</b></p> <p><b><u>PREAMBLES</u></b></p> <p>For Trade Preambles refer to "Specification of Materials and Methods to be used will be the SANS DOCUMENT", which is obtainable on request for the full descriptions of materials and work to be done in this Bill.</p> <p><b><u>SUPPLEMENTARY PREAMBLES</u></b></p> <p><b><u>Rate approvals:</u></b></p> <p>The tenderer is advised that any rate that is required for this work must include the following breakdown:<br/>Material, labour, plant, wastage, transport and profit.</p> <p>Rate approvals must be authorized by the Contracts Manager prior to work being carried out.</p> <p><b><u>Excavations</u></b></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>Soft rock' and 'hard rock' shall be as defined in 'Earthworks'</p> <p><b><u>Laying, backfilling, bedding, etc. of pipes:</u></b></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturers' instructions</p> <p><b><u>Specification Document</u></b></p> <p>The tenderer is referred to the Specification document attached to this tender document for the full details and requirements of this tender.The Tenderer is urged to read this document prior to pricing this Bills Of Quantities.The Tenderer must supply a detailed Bills Of Quantities for each section of work as per the attached format with there offer.Failure to submit this informtion will render the tender invalid.</p> <p><b><u>Site Visit Protocol</u></b></p> <p>The Contractor is advised of the procedure for them to visit Camden to undertake site assessment.</p> <ol style="list-style-type: none"> <li>1 No Fireman are allowed on site</li> <li>2 Contractors can take pictures on site</li> <li>3 There will be a 15 minute induction by the safety team</li> <li>4 No safety file is required for the site Visit</li> <li>5 Three Eskom Camden Staff Members will accaompany the Contractors whilst they undertake the site Assessment</li> <li>6 The contractors will be required to spend the day to assess the site</li> <li>7 Contractors will have an opportunity to ask Question at the end of the site visit</li> <li>8 Date and time of the meeeting will be shared at the Clarification meeting</li> <li>9. Contractors will have another opportunity to do a second site visit if there is a need for it.</li> </ol> <p><b><u>Detailed Bills Of Quantities</u></b></p> <p>The Contractor is advised that they will have to submit a deatiled Bills of Quantities with this tender covering the Scope of works in the attached format including Material, labour, plant, wastage, transport and profit.</p> <p><b><u>Civil Works</u></b></p> <p>The tenderer is referred to the Specification document item 3.1 for the details of the Civil Work. The Tenderer is urged to read this document prior to pricing this item</p> |     |          |      |        |
|      | 1    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | sum | 1        |      |        |

|    |                                                                                                                                                                                                                               |     |   |  |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|--|
|    | <b><u>Design by Contractor for Civil Works</u></b>                                                                                                                                                                            |     |   |  |
| 2  | The tenderer is referred to the Specification document item 3.1.1 for the details of the Design Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item                        | sum | 1 |  |
|    | <b><u>Survey</u></b>                                                                                                                                                                                                          |     |   |  |
| 3  | The tenderer is referred to the Specification document item 3.1.2 for the details of the Survey Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item                        | sum | 1 |  |
|    | <b><u>Geotechnical requirements</u></b>                                                                                                                                                                                       |     |   |  |
| 4  | The tenderer is referred to the Specification document item 3.1.3 for the details of the Geotechnical Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item                  | sum | 1 |  |
|    | <b><u>Design for Proposed structure</u></b>                                                                                                                                                                                   |     |   |  |
| 5  | The tenderer is referred to the Specification document item 3.1.4 for the details of the Design of Structure Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item           | sum | 1 |  |
|    | <b><u>Cabling</u></b>                                                                                                                                                                                                         |     |   |  |
| 6  | The tenderer is referred to the Specification document item 3.2 for the details of the Cabling Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item                         | sum | 1 |  |
|    | <b><u>Electrical Scope</u></b>                                                                                                                                                                                                |     |   |  |
| 7  | The tenderer is referred to the Specification document item 3.3 for the details of the Electrical Scope Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item                | sum | 1 |  |
|    | <b><u>Design by Contractor for Electrical Works</u></b>                                                                                                                                                                       |     |   |  |
| 8  | The tenderer is referred to the Specification document for the details of the Design Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item                                   | sum | 1 |  |
|    | <b><u>Cordination and Feasibility</u></b>                                                                                                                                                                                     |     |   |  |
| 9  | The tenderer is referred to the Specification document item 3.3.3 for the details of the Cordination and Feasibility Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item   | sum | 1 |  |
|    | <b><u>Wire Termination and Mounting Hardware</u></b>                                                                                                                                                                          |     |   |  |
| 10 | The tenderer is referred to the Specification document item 3.3.4 for the details of the Wire Termination and Mounting Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item | sum | 1 |  |
|    | <b><u>Design by Contractor for Lightning Protection Works</u></b>                                                                                                                                                             |     |   |  |
| 11 | The tenderer is referred to the Specification document for the details of the Design Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item                                   | sum | 1 |  |
|    | <b><u>Earthing Specification</u></b>                                                                                                                                                                                          |     |   |  |
| 12 | The tenderer is referred to the Specification document item 3.3.5 for the details of the Earthing Specification Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item        | sum | 1 |  |
|    | <b><u>Lightning Protection</u></b>                                                                                                                                                                                            |     |   |  |
| 13 | The tenderer is referred to the Specification document item 3.3.6 for the details of the Lightning Protection Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item          | sum | 1 |  |
|    | <b><u>Design by Contractor for C&amp;I and Camera installation</u></b>                                                                                                                                                        |     |   |  |
| 14 | The tenderer is referred to the Specification document for the details of the Design Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item                                   | sum | 1 |  |

**IPSurveillance and Digital recording Specification**

15 The tenderer is referred to the Specification document item 3.4 for the details of the IPSurveillance and Digital recording Specification Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

**System Description Cameras**

16 The tenderer is referred to the Specification document item 3.5 for the details of the System Description Cameras Specification Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

**Control and Instrumentation Scope**

17 The tenderer is referred to the Specification document item 3.6 for the details of the Control and Instrumentation Scope Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

**Documentation**

18 The tenderer is referred to the Specification document item 3.7 for the details of Documentation Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

**Installation**

19 The tenderer is referred to the Specification document item 3.8 for the Installation details Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

**Security Cabinet**

20 The tenderer is referred to the Specification document item 3.9 for the Installation details of the Security Cabinet for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

**Perimeter Camera Layout**

21 The tenderer is referred to the Specification document item 3.10 for the Perimeter Camera Layout for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

**Intergrated Access Control Requirements**

22 The tenderer is referred to the Specification document item 3.11 for the Intergrated Access Control Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

**Testing and Commissioning**

23 The tenderer is referred to the Specification document item 3.12 for the Testing and Commissioning Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

24 FAT sum 1

25 SIT sum 1

26 SAT sum 1

**Training Requirements**

27 The tenderer is referred to the Specification document item 3.13 for the Training Requirements for this contract. The Tenderer is urged to read this document prior to pricing this item sum 1

28 Training Manuals sum 1

29 OEM Training sum 1

30 Refreshments & Lunch sum 1

**Provisional sums**

NOTE: All P.C. Amounts and Provisional Sums appearing in these Activity Schedule are Net Costs excluding Value Added Tax (VAT) and the Contractor must add for any profit, etc. If required against the item immediately following the P.C Amount or Provisional Sum concerned.

|                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |  |                   |
|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|---|--|-------------------|
|                                            | <p>The Provisional Sums are all NET amounts (exclusive of commission or discount for the contractor)</p> <p>Under no circumstances may any Provisional or Budgetary amount be extended at an amount lower than the amount given in the descriptions.</p> <p>Provisional Sums and Budgetary allowances contained herein may be omitted or reduced at the Contracts Manager discretion and the Contractor shall not be entitled to claim for any loss by way of reductions or omission of any discount or percentage relating to Provisional amounts and Budgetary sums or any loss of profit related thereto.</p> |      |   |  |                   |
| 31                                         | Provide the amount of R500 000.00 (Five Hundred Thousand Rand) for cctv and iac during construction.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Item | 1 |  | <b>500 000,00</b> |
| 32                                         | Profit on above item.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Item | 1 |  | -                 |
| 33                                         | Attendance on ditto.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Item | 1 |  | -                 |
| <b>Bill Total Carried to Final Summary</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |      |   |  | <b>R -</b>        |

Design, Fabricate, Supply and Install IAC & CCTV Upgrade Project for a period of 12 months at Camden Power Station: Provisional Bills Of Quantities

| item no.                                     | description of works                     | uom | quantities | rate | total |
|----------------------------------------------|------------------------------------------|-----|------------|------|-------|
|                                              | CIVIL WORKS BILLS OF QUANTITIES          |     |            |      |       |
|                                              | ELECTRICAL WORKS BILLS OF QUANTITIES     |     |            |      |       |
|                                              | LIGHTNING PROTECTION BILLS OF QUANTITIES |     |            |      |       |
|                                              | C & i BILLS OF QUANTITIES                |     |            |      |       |
| TOTAL COST ASSOCIATED WITH DESIGN AND SUPPLY |                                          |     |            |      | R     |

# FINAL SUMMARY

Design,Supply and Install IAC & CCTV Upgrade Project for a period of 12 months at Camden Power Station

**FINAL SUMMARY**

| No. | Description                                                        |  | Amount |
|-----|--------------------------------------------------------------------|--|--------|
| 1   | Preliminaries                                                      |  | R      |
| 2   | Bills Of Quantites                                                 |  | R      |
|     | <b>Sub Total</b>                                                   |  | R      |
|     | <b><u>Value Added Tax</u></b>                                      |  |        |
|     | Allow 15 per cent (15%) of the above sub-total for Value Added Tax |  | R      |
|     | <b>Grand Total - Carried to Form Of Offer and Acceptance</b>       |  | R      |