TENDER

Buildings Infrastructure Maintenance / Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani District for a period of two (2) years

SCMU5-23/24-0008CHR

NAME OF COMPANY: _____

CSD Nr: _____

CRS Nr (CIDB): _____

CLOSING DATE: 04 SEPTEMBER 2023 **TIME: 11:00 am**

ISSUED BY:

SUPPLY CHAIN MANAGEMENT
EASTERN CAPE DEPARTMENT OF PUBLIC WORKS & INFRASTRUCTURE
NO.1 CREAMERY ROAD
OLD CPA BUILDING
KOMANI
5320

Fraud, Complaints & Tender Abuse Hotline
0800 701 701 (toll free number)

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THE TENDER

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TENDERING PROCEDURES

PART T1.1: TENDER NOTICE AND INVITATION TO TENDER

T1.1 Tender Notice and Invitation to Tender

The Eastern Cape Department of Public Works and Infrastructure invites contractors with a CIDB Grading of **3EBPE or Higher** in the following Class of works **(EB**) to tender for the **"Buildings Infrastructure Maintenance/Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani Region for a period of two (2) years."** The contract will be based on the NEC3 April of 2013 and the Eastern Cape Public Works and Infrastructure will enter into a contract with the successful tenderer.

Only tenderers who have suitable experience and suitably qualified personnel in providing similar services to those that are required are eligible to submit tenders.

Bid documents are downloadable free of charge from the Department of Public Works and Infrastructure website (www.ecdpw.gov.za/tenders) or from the National Treasury's tender portal (http://www.etender.gov.za/content/advertised-tenders). Bid documents will be available on **11 AUGUST 2023**. No bid documents will be available at departmental offices.

There will be a compulsory briefing meeting on **25 AUGUST 2023** from **11H00 to 12H00** at **DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE, GROUND FLOOR, NO.1 CREAMERY ROAD, OLD CPA BUILDING, KINGS PARK– RECEPTION AREA**. Prospective bidders are to meet at **main entrance of the building at 11H00.**

Queries relating to the issue of these documents may be addressed in writing through email to: Babalwa.Mshede@ecdpw.gov.za. **Technical enquiries:** may be addressed in writing to Mr. MJ. Hlazo – email: Mbuyiseli.Hlazo@ecdpw.gov.za.

The closing time for receipt of tenders by the ECDPWI is **11:00am** on **04 SEPTEMBER 2023**. Tender will be open in public and results to be further published on the departmental website (www.ecdpw.gov.za/tenders)

It is the responsibility of the tenderer/s to ensure that bid documents /proposals are submitted on or before closing time and the correct location as the department will not take responsibility of wrong delivery. Tenderers using courier services for delivery of their bid documents must ensure the delivery is at the correct place / location and time as the department will not be held responsible for wrong delivery. Not delivered to Departmental officials. The Department will not accept responsibility if bids received by officials are not timely deposited in the Bid Box.

Tenderers must be registered on the National Treasury Central Supplier Data Base prior award and where possible, proof of registration should be submitted with the proposal (https://secure.csd.gov.za).

Requirements for sealing, addressing, delivery, opening and assessment of tenders are stated in the Tender Data.

B. TENDER SUBMISSIONS:

Bids must be submitted in sealed envelopes clearly marked **"SCMU5-23/24-0008CHR: Buildings Infrastructure Maintenance / Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani District for a period of two (2) years."** in the bid box at **DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE, GROUND FLOOR, NO. 1 CREAMERY ROAD, OLD CPA BUILDING, KINGS PARK, KOMANI, 5320, LABELLED "BID BOX"**.

C. BID EVALUATION:

This bid will be evaluated in Two (2) phases as follows:

Phase One: Compliance, responsiveness to the bid rules and conditions,
Phase Two: Bidders passing the stage above will thereafter be evaluated on Preferential Procurement Regulations 2022.

PREFERENTIAL PROCUREMENT REGULATIONS 2022 POINTS WILL BE AWARDED AS FOLLOWS:

Maximum points on price	-	**80 points**
Maximum points for Specific Goals	-	**20 points**
Maximum points	-	**100 points**

D. BID SPECIFICATIONS, CONDITIONS AND RULES

1. The minimum specifications, other bid conditions and rules are detailed in the bid document under Tender Data
2. The Department of Public Works and Infrastructure SCM policy applies.
3. Tender validity period is **90 days.**

E. ENQUIRIES WITH REGARD TO THIS ADVERT MAY BE DIRECTED TO:

SCM RELATED ENQUIRIES
Miss. Babalwa Mshede
Tel No: **0458076663/24**
Email Address: Babalwa Mshede@ecdpw.gov.za

TECHNICAL ENQURIES

Mr. Mbuyiseli Hlazo
Tel No: **0458076706/ 0836271530**
Email Address: Mbuyiseli.Hlazo@ecdpw.gov.za

FOR COMPLAINTS, FRAUD, & TENDER ABUSE:
Call: 0800 701 701

PART T1.2: TENDER DATA

T1.2 Tender Data

The conditions of tender are the latest edition of SANS 10845-3, *Standard conditions of tender*. SANS 10845-3 makes several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the provisions of SANS 10845-3 *and* as contained in **Annexure C** of **Standard for Uniformity in Construction Procurement (Board Notice 423 of 2009 Government Gazette No 42622 of August 2019)**. Each item of data given below is cross-referenced to the clause in SANS 10845-3 to which it mainly applies	
Clause number	**Tender Data**
3.1	The Employer is Public Works and Infrastructure
3.2	The tender documents issued by the employer comprise the following documents: **THE TENDER** **Part T1: Tendering procedures** T1.1 - Tender notice and invitation to tender T1.2 - Tender data **Part T2: Returnable documents** T2.1 - List of returnable documents **THE CONTRACT** **Part C1: Agreements and Contract data** C1.1 - Form of offer and acceptance C1.2 - Contract data C1.3 - Dispute Resolution Mechanism **Part C2: Pricing data** C2.1 - Pricing Instructions C2.2 - HIV/STI Compliance Report / EPWP C2.2 - Bills of Quantities **Part C3: Scope of work** C3 - Scope of work **Part C4: Site information** C4 - Site information
3.3	The tender documents issued by the employer comprise the documents listed on the contents page
3.4	The employer's agent is: Name: Mbuyiseli Hlazo Address: Eastern Cape Department of Public Works & Infrastructure No. 1 Creamery Road, Old CPA Building, 5320 Tel No:0458076706/0836271530 Email Address:mbuyiseli.hlazo@ecdpw.gov.za
3.5	The language for communications is English
3.6	The competitive negotiation procedure shall be applied.
3.7	Method 2: Two (2) stage procurement procedure shall be applied.
4	**Tender's obligations**
4.1	The following tenderers who are registered with the CIDB, or are capable of being so registered prior to the evaluation of submissions, are eligible to have their tenders evaluated: a) contractors who have a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations, for a CIDB **Grade 3EBPE or Higher** class of construction work; and Joint ventures are eligible to submit tenders provided that: 1. every member of the joint venture is registered with the CIDB;

	2. the lead partner has a contractor grading designation **not lower than one level below** the required grading designation in the class of works under consideration**;** and 3. the combined contractor grading designation calculated in accordance with the Construction industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a CIDB **Grade 3EBPE or higher** class of construction work or a value determined in accordance with Regulation 25 (1B) of 25(7A) of the Construction Industry Development Regulations. 4. Joint Venture Agreement.
4.2	The employer will compensate the tender as follows NEC3 April of 2013. The employer **will not** compensate the tenderer for any costs incurred in attending interviews or making any submissions in the office of the employer.
4.3	It is the responsibility of the tenderer to check the tender documents on receipt for completeness and notify the employer of any discrepancy or omission.
4.4	**Confidentiality and copyright of documents** Treat as confidential all matters arising in connection with the tender. Use and copy the documents issued by the employer only for the purpose of preparing and submitting a tender offer in response to the invitation.
4.5	Obtain, as necessary for submitting a tender offer, copies of the latest versions of standards, specifications, conditions of contract and other publications, which are incorporated into the tender documents by reference.
4.6	Acknowledge receipt of addenda to the tender documents, which the employer may issue, and, if necessary, apply for an extension to the closing time stated in the tender data, in order to take the addenda into account.
4.7	The arrangements for a compulsory clarification meeting are as stated in the Tender Notice and Invitation to Tender. Tenderers must sign the attendance list in the name of the tendering entity. Addenda will be issued to and tenders will be received only from those tendering entities appearing on the attendance list. **Tender documents will not be made available at the clarification meeting**
4.8	**Seek clarification** *Request clarification of the tender documents, if necessary, by notifying the employer at least **7** **(Seven) working days** **before the closing time stated in the tender data.***
4.9	Tenderers are required to state the rates and currencies in Rands. Include in the rates, prices, and the tendered total of the prices (if any), all duties, taxes which the law requires to be paid [except value added tax (VAT)], and other levies payable by the successful tenderer, that are applicable 14 days before the closing time stated in the tender data. Show the VAT payable by the employer separately as an addition to the tendered total of the prices. Provide rates and prices that are fixed for the duration of the contract and not subject to adjustment except as provided for in the conditions of contract identified in the contract data. State the rates and prices in monetary value of the contract unless otherwise instructed in the tender data.
4.10	Do not make any alterations or additions to the tender documents, except to comply with instructions issued by the employer or to correct errors made by the tenderer and ensure that all signatories to the tender offer initial all such alterations. Do not make erasures using masking fluid.
4.11	Main tender offers are not required to be submitted together with alternative tenders.
4.12	No alternative tender offers will be considered
4.13.1	Parts of each tender offer communicated on paper shall be submitted as an original. Submit a) the parts of the tender offer communicated on paper as an original plus the number of copies stated in the tender data, with a translation of any documentation in a language other than the language of communication established in 3.5, and b) the parts communicated electronically by the employer of its agents on paper format with the tender.

4.13.2	Sign the original and all copies of the tender offer where required in terms of the tender data. State in the case of a joint venture which of the signatories is the lead partner whom the employer shall hold liable for the purpose of the tender offer. NOTE The employer holds all authorized signatories liable on behalf of the tenderer.
4.13.3	A tender security in the amount of **N/A** is required and shall remain valid for a period not exceeding N**/A** days after the closing date for tender offers. The form of the tender security shall not differ substantially from the sample provided in Annex D of SANS 10845-3.
4.13.4	The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are: **Location of tender box: DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE, GROUND FLOOR, NO. 1 CREAMERY ROAD, OLD CPA BUILDING, KINGS PARK, KOMANI, 5320, LABELLED "BID BOX"**. **Physical address:** NO. 1 Creamery road, Old CPA Building, Kings Park, Komani, 5320 **Identification details: SCMU5-23/24-0008CHR: Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years"** **Closing time and date: 04 SEPTEMBER 2023** at **11:00**
4.13.5	The tenderer is required to submit with his tender the following certificates: 1) a copy of the CSD report showing, amongst other things, that tax matters of the service provider are in order the South African Revenue Services. *In the case of a Joint Venture/Consortium/Sub-contractors each party should submit a separate* CSD report showing, amongst other things, that tax matters of the service provider are in order the South African Revenue Services. 2) CIDB Grading certificate or CRS number.
4.13.6	A two-envelope procedure will not be required.
4.13.7	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted. The tenderer accepts that the employer does not assume any responsibility for the misplacement or premature opening of the tender offer if the outer package is not sealed and marked as stated.
4.14	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender. Ensure that the employer receives the tender offer at the address specified in the tender data not later than the closing time stated in the tender data. Proof of posting shall not be accepted as proof of delivery. Accept that, if the employer extends the closing time stated in the tender data for any reason, the requirements of the standard conditions of tender in this part of SANS 10845 apply equally to the extended deadline.
4.15.1	The tender offer validity period is **90 days**. Hold the tender offer(s) valid for acceptance by the employer at any time during the validity period stated in the tender data after the closing time stated in the tender data. If requested by the employer, consider extending the validity period stated in the tender data for an agreed additional period, with or without any conditions attached to such extension. Extend the period of the tender security, if any, to cover any agreed extension requested by the employer.
4.15.2	**Placing of contractors under restrictions / withdrawal of tenders** If any tenderer who has submitted a tender offer or a contractor who has concluded a contract has, as relevant: withdrawn such tender or quotation after the advertised closing date and time for the receipt of submissions; after having been notified of the acceptance of his tender, failed or refused to commence the contract; had their contract terminated for reasons within their control without reasonable cause; offered, promised or given a bribe in relation to the obtaining or the execution of such contract; acted in a fraudulent, collusive or anti-competitive or improper manner or in bad faith towards the Provincial Government; or, made any incorrect statement in any affidavit or declaration with regard to a preference claimed and is unable to prove to the satisfaction of the Provincial Government that the statement was made in good faith or reasonable steps were taken to confirm the correctness of the statements, such tenderer/s may be placed under restriction from tendering with the state. Procedures are outlined in the EC SCM Policy for Infrastructure procurement and Delivery Management and also on **cidb** Inform Practice Note #30. Excerpts of the policy can be availed on request of any interested tenderer.
4.16	Access shall be provided for the following inspections, tests and analysis: **N/A**

4.17	the preferred tenderer will be required to submit an approved insurer undertaking to provide the Performance Bond / Guarantee / Surety / Security to the format and/or standard as per DPWI policy
5	**Employer's undertakings**
5.1	The Employer will respond to requests for clarification received up to **Seven (7)** working days before the tender closing time. If, as a result of the issuing of addenda, it is necessary to extend the closing time stated in the tender data, grant such extension and notify all respondents accordingly.
5.2	The employer shall issue addenda until **Seven (7)** working days before tender closing time.
5.3	Tenders will be opened immediately after the closing time for tenders at **11:00am hours.**
5.4	Do not disclose to tenderers, or to any person not officially concerned with such processes, information relating to the evaluation and comparison of tender offers, the final evaluation price and recommendations for the award of a contract, until after the award of the contract to the successful tenderer.
5.5	Determine, after opening and before detailed evaluation, whether each tender offer that was properly received a) complies with the requirements of the standard conditions of tender in this part of SANS 10845, b) has been properly and fully completed and signed, and c) is responsive to the other requirements of the tender documents. A responsive tender is one that conforms to all the terms, conditions, and scope of work of the tender documents, without material deviation or qualification. A material deviation or qualification is one which, in the employer's opinion, would d) detrimentally affect the scope, quality, or performance of the works, services or supply identified in the scope of work, e) significantly change the employer's or the tenderer's risks and responsibilities under the contract, or f) Affect the competitive position of other tenderers presenting responsive tenders, if it were to be rectified. Reject a non-responsive tender offer, and do not allow it to be subsequently made responsive by correction or withdrawal of the non-conforming deviation or reservation.
5.6	**Arithmetical errors, omission and discrepancies** Check responsive tenders for discrepancies between amounts in words and amounts in figures. Where there is a discrepancy between the amounts in figures and the amount in words, the amount in words shall govern. For Vat related discrepancies, National and Provincial Treasury prescripts in relation to VAT procedures apply.
5.7.1	The financial offer will be reduced to a comparative basis using the Tender Assessment Schedule. **Table F.1: Formulae for calculating the value of A**

Formula	Comparison aimed at achieving	Option 1[a]	Option 2[a]
1	Highest price or discount	$A = \left(1 + \frac{(P - P_m)}{P_m}\right)$	$A = P/P_m$
2	Lowest price or percentage commission / fee	$A = \left(1 - \frac{(P - P_m)}{P_m}\right)$	$A = P_m/P$
a	P_m is the comparative offer of the most favourable comparative offer. P is the comparative offer of the tender offer under consideration.		

5.7.2	The procedure for the evaluation of responsive tenders is **Method 2: Price and Preference** **This bid will be evaluated in Two (2) phases as follows:** **Phase One**: Compliance, responsiveness to the bid rules and conditions, **Phase Two:** Bidders passing the stage above will thereafter be evaluated on Preferential Procurement Regulations 2022.

	PHASE ONE: COMPLIANCE, RESPONSIVENESS TO THE BID RULES AND CONDITIONS: **Bidders' proposals must meet the following minimum requirements and supporting documents must be submitted with the completed bid document in a sealed envelope in the bid box at the closing date and time. Failure to comply will automatically eliminate the bid for further consideration:** 1. Bid Document (This Document must be submitted in its original format). 2. Bids which are late, incomplete, unsigned or submitted by facsimile or electronically, will not be accepted**.** 3. Bidder must be registered with CIDB in the correct grading and class of works as per the tender notice and requirements. The status on CIDB must be active throughout bidding process (advert till award stage). It is the responsibility of the bidder to keep the status on CIDB active throughout bidding process (advert till award stage). 4. Bidders must be a legal entity or partnership or consortia. 5. Form of offer and Acceptance must be fully completed and signed. 6. If the Bid Sum (amount in words) differs from the Bid Sum (amount in figures), the Bid Sum (amount in words) will govern. 7. Bidders Disclosure (**SBD 4**) must be duly completed and signed**.** In the event that the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract, such interest must be disclosed on question **2.3.1.** 8. Incomplete or unsigned or poorly completed forms **SBD 4 will lead to a bidder being declared non-responsive**. 9. Compulsory Enterprise Questionnaire (Completed and signed) (JV partners must complete separate Questionnaire forms and submit). 10. If the offer is "Vat Inclusive", the VAT registration number of service provider must be indicated and if a service provider is not a VAT Vendor but include VAT in its prices, the successful service provider will be given 21 days to register as a VAT Vendor with SARS, after the issuing of an appointment letter. If a bidder is a VAT vendor/registered, the bidder is required to explicitly state the VAT amount. VAT vendors must include VAT at 15% in the bid offer(s). 11. Resolution to Sign where applicable must be completed. 12. Only one offer per bidder is allowed and alternative offers will not be considered. If more than one offer is received, none of the offers will be considered. 13. Attendance of compulsory briefing meeting.
	Other Conditions of bid (Non eliminating unless expressly mentioned in the document): 1. The bidder must be registered on the Central Supplier Database (CSD) prior the award. 2. All bidders' tax matters must be in order prior to award. Bidders' tax matters will be verified through CSD. In cases where the bidder's status is found non-compliant, the bidder will be granted 7 days to correct the status. **A bidder that fails to rectify its tax matters with SARS will be declared non-responsive**. 3. The bidder has duly completed and signed the **SBD 1**, and **SBD 6.1**. 4. Bidders need to complete and sign **SBD 6.1** to claim points for specific goals. **Failure will lead to the non-awarding of points for specific goals.** 5. The relevant designated sector: **Electrical cables and Plastic pipes**. The minimum threshold for local production and content is **90% and 100%** 6. **Bidders need to complete the Declaration Certificate for Local Content and Local Production to be awarded points for Specific goals allocated for Local Content. This Declaration Certificate must be completed, and signed and submitted as part of the bid documentation.** 7. Bidders shall submit a minimum of three (3) written contactable references for projects successfully completed in the past (clearly indicating client name, contract value, contract term, and contact person, contact details). **Refer to Annexure I and Annexure M**. This is not an elimination factor, but important for the department to make a decision. Unless it is used for Quality/functionality Points.

	8. Bidders shall submit a list of projects where he or she has submitted tender offers but tender results have not been confirmed by the client. **Refer to Annexure L.** This is not an elimination factor, but important for the department to make a decision. Unless it is used for Quality/functionality Points. 9. Bidders shall submit their company profiles, list of available resources, plant and machinery, and any other additional capacity with the bid. **Refer to Annexures K and H**. This is not an elimination factor, but important for the department to make a decision. Unless it is used for Quality/functionality Points. 10. The bidder shall also list all projects where there are pending litigations or litigations that have been concluded. The form for this is also attached after **Annexure J.** 11. The Department will contract with the successful bidder by signing a formal contract. 12. This tender will be awarded as a whole. All trades listed in the Bills of Quantities or Pricing schedule must be priced for (except provisional sums and allowances which also need to be added to the total), failure to do so will increase the commercial risk of the bid and may lead to elimination or passing over of the bidder. 13. Wherever a brand name is specified in this document (i.e. specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better. 14. DPWI Policy applies. 15. Protection of personal information: Consent (POPIA). 16. The successful tenderer (after being informed) will be required to bring along an unsigned copy of the form of contract to be signed by parties (e.g. NEC3 April of 2013). 17. EPWP policy where applicable will be used.
	<u>PHASE TWO: EVALUATION POINTS ON PRICE AND SPECIFIC GOALS</u> The **80/20 preference point system** shall be applied for the purposes of this bid as per the requirements of the *Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000)* and Specific Goals/Preferential Procurement Regulations 2022 **Criteria** / **Points** **POINTS ON PRICE** / **80** **SPECIFIC GOALS** / **20** **TOTAL** / **100** **The 80/20 preference point system for acquisition of services, works or goods up to Rand value of R50 million:** (a) The following formula must be used to calculate the points out of 80 for price in respect of an invitation for a tender with a rand value equal to or below R50 million, inclusive of all applicable taxes included: $$Ps = 80\left(1 - \frac{Pt - P\min}{P\min}\right)$$ Where Ps = Points scored for price of tender under consideration Pt = Rand value of tender under consideration Pmin = Rand value of the lowest acceptable tender **PLEASE NOTE:** 1. The bidder has duly completed and signed SBD 6.1. Bidders need to complete and sign SBD 6.1 to claim points for specific goals. Failure will lead to the non-awarding of points for specific goals. 2. Preference points for joint ventures / consortia will be allocated proportionately in terms of the attributes or qualification for the relevant specific goals. 3. The Department intends to award this to the highest point scorer as whole, unless circumstances justifies otherwise. 4. All information will be verified through CSD.
5.7.3	The procedure for the evaluation of responsive tenders is **Method 2** (price and preference)

5.7.4	The quality criteria and maximum score in respect of each of the criteria are as follows: **N/A**
5.7.5	Each evaluation criteria will be assessed in terms of five indicators – **N/A**
5.7.6	The prompts for judgment and the associated scores used in the evaluation of quality shall be as follows: **N/A**
5.8	**Tender offers will only be accepted if:** a) the tenderer is registered on the Central Supplier Database (CSD) for the South African government (see https://secure.csd.gov.za/) unless it is a foreign supplier with no local registered entity b) the tenderer is in good standing with SARS according to the Central Supplier Database. Bidders must submit a CSD no. or tax status compliance pin. c) the preferred tenderer will be required to submit an approved insurer undertaking to provide the Performance Bond / Guarantee / Surety / Security to the format and/or standard within 21 days after the appointment. d) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation; e) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector. f) the tenderer has not: i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect. g) the tenderer has completed the Compulsory Declaration and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process.
	h) the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest that may impact the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract; i) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer; j) The tenderer undertakes to maximize the sourcing of building material or infrastructure input material from Eastern Cape based suppliers or manufacturers. k) the employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2014, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely. l) The tenderer has duly completed and signed the Declaration Certificate for Local Production and Content and Local Content Declaration: Summary Schedule and submitted the documents at the closing date and time of the bid. m) the tender has offered a market-related. If the offer is believed not to be market related, the department through its Supply Chain Management bid committees will attempt to negotiate the offer with identified bidder/s to a reasonable amount. Bidders are not allowed to increase their tender offers during this process. n) A Resolution of signatory form has been completed and signed by director/s or a letter bearing a letterhead of the tenderer has been attached (specific to this bid) to the bid submission; it must be duly signed by all directors and submitted the bid. Only a duly authorized official can sign the bid. o) **NOTE:** The amount reflected on the Form of Offer and Acceptance takes precedence over any other total amount indicated elsewhere in bidder's tender submission. If the Form of Offer and Acceptance has no value or figure, the bidder will be regarded as having made no offer.

	p) The department reserves the right not to award the bid to the most favourable tenderer, if any of the situations occur: if it is not assisting in the advancement of designated groups; risk profile of the favourable firm is too high; the bidder has been awarded a considerable number of projects by the department or provincial government; has performed unsatisfactorily in the past, etc.
5.9	The number of paper copies of the signed contract to be provided by the employer is 1.
	The additional conditions of tender are: • Wherever a brand name is specified in this document (i.e., specifications, pricing schedule, bill of quantities or anywhere), the department requires an item similar/equivalent or better.
T.2.1	***A. List of returnable documents***
1	**Documentation to demonstrate eligibility to have tenders evaluated i.e.** *List all documentation to demonstrate eligibility to have a submission evaluated.* • Appropriate CIDB grading suitable for the works (as stated in 4.1).
2	**Returnable Schedules required for tender evaluation purposes** The tenderer fully and appropriately complete and sign the following returnable schedules as relevant: • Record of Addenda to Tender Documents • Proposed amendments and qualifications • Compulsory Enterprise Questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted). • SBD 4, 6.1, Declaration of Local Production and Local Content. • Protection of personal content: Consent • Form of Offer and Acceptance • Complete priced Bills of Quantities, including Final Summary • Certificate of Authority for Joint Ventures
3	**Other documents required for tender evaluation purposes** The tenderer provide the following returnable documents: • A CSD Report for a contractor with valid and correct information. • A letter if good standing from the Compensation Fund or a licensed insurer as contemplated in the Compensation for Occupational Injuries and Diseases Act 1993 (Act No. 130 of 1993)
4	**Returnable Schedules that will be used for tender evaluation purposes and be incorporated into the contract** The tenderer must complete the following returnable documents: • A duly completed form of Offer and Acceptance (and any revision of prices if there are any).
5	Only authorized signatories may sign the original and all copies of the tender offer where required. In the case of a Bid being submitted on behalf of a **company, close corporation or partnership**, evidence must be submitted to the Department at the time of submission of the Bid that the Bid has been signed by persons properly authorised thereto by resolution of the directors or under the articles of the entity. Furthermore, In the case of a **joint venture or consortium,** at least one directors/ members of each party to the joint venture or consortium must give consent to give authorisation for signatory to this bid. In the event that a resolution to sign **is not completed by all directors/ members of the enterprise**, the signature of any one of the directors or members to this bid will bind all the directors/ members of the enterprise and will therefore render the bid valid. No authority to sign is required from a company or close corporation or partnership which has **only one director or member**. In the event that a **non-member/ non-director to the enterprise** sign this declaration, and no authority is granted, it will automatically invalidate the bid.

	Accept that failure to submit proof of authorization to sign (where applicable), will result in the tender offer being regarded as non-responsive.
6	**Information and data to be completed in all respects** Accept that tender offers, which do not provide all the data or information requested completely and, in the form, required, may be regarded by the employer as nonresponsive.
7	**Canvassing and obtaining of additional information by tenderers** The Tenderer shall not make any attempt either directly or indirectly to canvass any of the Employer's officials or the Employer's agent in respect of his tender, after the opening of the tenders but prior to the Employer arriving at a decision thereon. The Tenderer shall not make any attempt to obtain particulars of any relevant information, other than that disclosed at the opening of tenders.
8	**Prohibitions on awards to persons in service of the state** The Employer is prohibited to award a tender to a person - a) who is in the service of the state; or *b)* if that person is not a natural person, of which any director, manager, principal shareholder or stakeholder is a person in the service of the state; or *c)* a person who is an advisor or consultant contracted with the Department or municipal entity. **In the service of the state** means to be - a) a member of:- *a* any municipal council; *b* any provincial legislature; or *c* the National Assembly or the National Council of Provinces; *d)* a member of the board of directors of any municipal entity; *e)* an official of any Department or municipal entity; *f)* an employee of any national or provincial department; *g)* provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No.1 of 1999); *h)* a member of the accounting authority of any national or provincial public entity; or *i)* an employee of Parliament or a provincial legislature. In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.
9	**Awards to close family members of persons in the service of the state** Accept that the notes to the Employer's annual financial statements must disclose particulars of any award of more than R2000 to a person who is a spouse, child, or parent of a person in the service of the state (defined in clause 8 above), or has been in the service of the state in the previous twelve months, including - *a)* the name of that person; *b)* the capacity in which that person is in the service of the state; and *c)* the amount of the award. In order to give effect to the above, the questionnaire for the declaration of interests in the tender of persons in service of state in part T2 of this procurement document must be completed.
10	**Respond to requests from the tenderer** The employer will respond to requests for clarification up to **7 (seven) working days** before the tender closing time.

11	**Opening of tender submissions** Tenders will be opened immediately after the closing time for tenders
12	**Scoring quality / functionality:** N/A
13	**Cancellation and re-invitation of tenders** An organ of state may, prior to the award of the tender, cancel the tender if- (a) due to changed circumstances, there is no longer a need for the services, works or goods requested; or (b) funds are no longer available to cover the total envisaged expenditure; or (c) no acceptable tenders are received. (d) Tender validity period has expired. (e) Gross irregularities in the tender processes and/or tender documents. (f) No market related offer received (after attempts of negotiation processes) Where applicable, the decision to cancel the tender will be published in the CIDB website and in the Tender Bulletin or the media in which the original tender invitation as advertised.
14	Dispute resolution mechanism will be done through the **Adjudication** route**.**
15	The department must when be acting against the tenderer or person awarded the contract on a fraudulent basis, considers the provisions of Regulation 14: The remedies provided for in Preferential Procurement Regulations 2022 do not prevent an institution from instituting remedies arising from any other prescripts or contract.
16	Where the employer terminates the contract due to default of the contractor in whole or in part, the employer may decide to: a) Refer the breach in contract to the **cidb** for investigation as a breach of the **cidb Code of Conduct** in terms of the **cidb Regulations**; or b) may impose a restriction penalty on the contractor in terms of Section 14 of the Preferential Procurement Regulations. The outcomes of such investigations in terms of both the cidb Regulations and the Preferential Procurement Regulations may prohibit the contractor from doing business with the public sector for a period not exceeding 10 years.

PART T2
RETURNABLE DOCUMENTS

PART T2.1: LIST OF RETURNABLE DOCUMENTS

The tenderer complete the following returnable documents:

1 Returnable Schedules required for bid evaluation purposes

- Compulsory enterprise questionnaire (In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted).
- Record of addenda issued (Only if addenda is issued)
- Certificate of authority for joint ventures (Only where the tender/ quotation is submitted by a joint venture)

2 Other documents required for bid evaluation purposes

- Form of Offer and Acceptance
- Complete Priced Bills of Quantities & Final Summary

3 Returnable Schedules that will be incorporated into the contract

- Details of the Project Team and CV with Qualifications & Proof of Registration completed for each individual of proposed
- Schedule of Plant and Equipment
- Record of projects: current, past and on tender.
- Project References – at least 2
- SBD 1, 4, 6.1, and Declaration for Local Production and Local Content
- Protection of personal content: Consent

PART A

SBD 1

INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE					
BID NUMBER:	**SCMU5-23/24-0008CHR**	CLOSING DATE:	04 SEPTEMBER 2023	CLOSING TIME:	11:00
DESCRIPTION:	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**				

BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT

DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE, GROUND FLOOR, NO. 1 CREAMERY ROAD, OLD CPA BUILDING, KINGS PARK, KOMANI, 5320, LABELLED **"BID BOX"**.

BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO		**TECHNICAL ENQUIRIES MAY BE DIRECTED TO:**	
CONTACT PERSON	**Ms. B. MSHEDE**	CONTACT PERSON	**Mr. M. HLAZO**
TELEPHONE NUMBER	**045 807 6663/24**	TELEPHONE NUMBER	**0458076706/0836271530**
FACSIMILE NUMBER		FACSIMILE NUMBER	
E-MAIL ADDRESS	babalwa.mshede@ecdpw.gov.za	E-MAIL ADDRESS	mbuyiseli.hlazo@ecdpw.gov.za

SUPPLIER INFORMATION

NAME OF BIDDER				
POSTAL ADDRESS				
STREET ADDRESS				
TELEPHONE NUMBER	CODE		NUMBER	
CELLPHONE NUMBER				
FACSIMILE NUMBER	CODE		NUMBER	
E-MAIL ADDRESS				
VAT REGISTRATION NUMBER				

SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		**OR**	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	[TICK APPLICABLE BOX] ☐ Yes ☐ No	

[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]

(a) ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐Yes ☐No [IF YES ENCLOSE PROOF]	**a)** ARE YOU A FOREIGN BASED SUPPLIER FOR **THE GOODS /SERVICES /WORKS OFFERED?**	☐Yes ☐No [IF YES, COMPLETE QUESTIONNAIRE BELOW]

QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?	☐ YES ☐ NO
DOES THE ENTITY HAVE A BRANCH IN THE RSA?	☐ YES ☐ NO
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?	☐ YES ☐ NO
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?	☐ YES ☐ NO
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?	☐ YES ☐ NO

IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.

PART B

TERMS AND CONDITIONS FOR BIDDING

1. BID SUBMISSION:
1.1. BIDS MUST BE DELIVERED BY THE STIPULATED TIME TO THE CORRECT ADDRESS. LATE BIDS WILL NOT BE ACCEPTED FOR CONSIDERATION.
1.2. **ALL BIDS MUST BE SUBMITTED ON THE OFFICIAL FORMS PROVIDED– (NOT TO BE RE-TYPED) OR IN THE MANNER PRESCRIBED IN THE BID DOCUMENT.**
1.3. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2022, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT.
1.4. **THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (SBD7).**
2. TAX COMPLIANCE REQUIREMENTS
2.1 BIDDERS MUST ENSURE COMPLIANCE WITH THEIR TAX OBLIGATIONS.
2.2 BIDDERS ARE REQUIRED TO SUBMIT THEIR UNIQUE PERSONAL IDENTIFICATION NUMBER (PIN) ISSUED BY SARS TO ENABLE THE ORGAN OF STATE TO VERIFY THE TAXPAYER'S PROFILE AND TAX STATUS.
2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) PIN MAY BE MADE VIA E-FILING THROUGH THE SARS WEBSITE WWW.SARS.GOV.ZA.
2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS CERTIFICATE TOGETHER WITH THE BID.
2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED, EACH PARTY MUST SUBMIT A SEPARATE TCS CERTIFICATE / PIN / CSD NUMBER.
2.6 WHERE NO TCS IS AVAILABLE BUT THE BIDDER IS REGISTERED ON THE CENTRAL SUPPLIER DATABASE (CSD), A CSD NUMBER MUST BE PROVIDED.
2.7 NO BIDS WILL BE CONSIDERED FROM PERSONS IN THE SERVICE OF THE STATE, COMPANIES WITH DIRECTORS WHO ARE PERSONS IN THE SERVICE OF THE STATE, OR CLOSE CORPORATIONS WITH MEMBERS PERSONS IN THE SERVICE OF THE STATE."

SIGNATURE OF BIDDER: ……

CAPACITY UNDER WHICH THIS BID IS SIGNED: ……
(Proof of authority where applicable must be submitted e.g. company resolution)

DATE: ……..……..

Compulsory Enterprise Questionaire

A
Compulsory Enterprise questionnaire

The following particulars must be furnished. In the case of a joint venture, separate enterprise questionnaires in respect of each partner must be completed and submitted.

Section 1: Name of enterprise: . . . . . .

Section 2: VAT registration number, if any: . . . . . .

Section 3: CIDB registration number, if any: . . . . . .

Section 4: Particulars of sole proprietors and partners in partnerships

Name*	Identity number*	Personal income tax number*

***** *Complete only if sole proprietor or partnership and attach separate page if more than 3 partners*

Section 5: Particulars of companies and close corporations

Company registration number . . . . . .

Close corporation number . . . . . .

Tax reference number . . . . . .

Section 6: The attached SBD 4 must be completed for each tender and be attached as a tender requirement.

Section 7: The attached SBD 6.1 shall be completed for each tender and be attached as a requirement.

The undersigned, who warrants that he / she is duly authorized to do so on behalf of the enterprise:

i) authorizes the Employer to obtain a tax clearance certificate from the South African Revenue Services that my / our tax matters are in order;

ii) confirms that the neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004; iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;

iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest; and

iv) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed ..... Date .....

Name ..... Position .....

SBD 4

BIDDER'S DISCLOSURE

1. PURPOSE OF THE FORM

Any person (natural or juristic) may make an offer or offers in terms of this invitation to bid. In line with the principles of transparency, accountability, impartiality, and ethics as enshrined in the Constitution of the Republic of South Africa and further expressed in various pieces of legislation, it is required for the bidder to make this declaration in respect of the details required hereunder.

Where a person/s are listed in the Register for Tender Defaulters and / or the List of Restricted Suppliers, that person will automatically be disqualified from the bid process.

2. Bidder's declaration

2.1 Is the bidder, or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest[1] in the enterprise, employed by the state? **YES/NO**

2.1.1 If so, furnish particulars of the names, individual identity numbers, and, if applicable, state employee numbers of sole proprietor/ directors / trustees / shareholders / members/ partners or any person having a controlling interest in the enterprise, in table below.

Full Name	**Identity Number**	**Name of State institution**

2.2 Do you, or any person connected with the bidder, have a relationship with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:
……
……

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:
……
……

3 DECLARATION

[1] ***the power, by one person or a group of persons holding the majority of the equity of an enterprise, alternatively, the person/s having the deciding vote or power to influence or to direct the course and decisions of the enterprise.***

I, the undersigned, (name)…… in submitting the accompanying bid, do hereby make the following statements that I certify to be true and complete in every respect:

3.1 I have read and I understand the contents of this disclosure;

3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;

3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium[2] will not be construed as collusive bidding.

3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.

3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.

3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.

3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

I CERTIFY THAT THE INFORMATION FURNISHED IN PARAGRAPHS 1, 2 and 3 ABOVE IS CORRECT.

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

……	……
Signature	Date
……	……
Position	Name of bidder

[2] ***Joint venture or Consortium means an association of persons for the purpose of combining their expertise, property, capital, efforts, skill and knowledge in an activity for the execution of a contract.***

SBD 6.1

PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2022

This preference form must form part of all tenders invited. It contains general information and serves as a claim form for preference points for specific goals.

NB: BEFORE COMPLETING THIS FORM, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

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1. GENERAL CONDITIONS

1.1 The following preference point systems are applicable to invitations to tender:

- the 80/20 system for requirements with a Rand value of up to R50 000 000 (all applicable taxes included); and
- the 90/10 system for requirements with a Rand value above R50 000 000 (all applicable taxes included).

1.2 To be completed by the organ of state

a) The applicable preference point system for this tender is the 80/20 preference point system.

b) The lowest acceptable tender will be used to determine the accurate system once tenders are received.

1.3 Points for this tender (even in the case of a tender for income-generating contracts) shall be awarded for:

(a) Price; and

(b) Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
SPECIFIC GOALS	20
Total points for Price and SPECIFIC GOALS	**100**

1.5 Failure on the part of a tenderer to submit proof or documentation required in terms of this tender to claim points for specific goals with the tender, will be interpreted to mean that preference points for specific goals are not claimed.

1.6 The organ of state reserves the right to require of a tenderer, either before a tender is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the organ of state.

2. DEFINITIONS

(a) **"tender"** means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;

(b) **"price"** means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;

(c) **"rand value"** means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;

(d) **"tender for income-generating contracts"** means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and

(e) **"the Act"** means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULA FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 OR 90/10 PREFERENCE POINT SYSTEMS

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20 **or** **90/10**

$$Ps = 80\left(1 - \frac{Pt - P\,min}{P\,min}\right) \text{ or } \quad Ps = 90\left(1 - \frac{Pt - P\,min}{P\,min}\right)$$

Where

Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmin = Price of lowest acceptable tender

3.2. FORMULA FOR DISPOSAL OR LEASING OF STATE ASSETS AND INCOME GENERATING PROCUREMENT

3.2.1. **POINTS AWARDED FOR PRICE**

A maximum of 80 or 90 points is allocated for price on the following basis:

80/20 **or** **90/10**

$$Ps = 80\left(1 + \frac{Pt - P\,max}{P\,max}\right) \text{ or } \quad Ps = 90\left(1 + \frac{Pt - P\,max}{Pmax}\right)$$

Where

Ps = Points scored for price of tender under consideration
Pt = Price of tender under consideration
Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR SPECIFIC GOALS

4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:

4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—

(a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or

(b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,

then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

Table 1: Specific goals for the tender and points claimed are indicated per the table below.
(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.
***Note to tenderers: The tenderer must indicate how they claim points for each preference point system.*)**

The specific goals allocated points in terms of this tender		Number of points allocated (80/20 system) (To be completed by the organ of state)	Number of points claimed (80/20 system) (To be completed by the tenderer)
Historically Disadvantaged Individual:-			
	(a) 100% black ownership	6	
	(b) 51% to 99% black ownership	4	

	(c) Less than 51% black ownership	0	
Black women ownership:-			
	(a) 100% black women ownership	4	
	(b) 30% to 99% black women ownership	2	
	(c) Less than 30% black women ownership	0	
Black youth ownership:-			
	(a) 100% black youth ownership	4	
	(b) 30% to 99% black youth ownership	2	
	(c) Less than 30% black youth ownership	0	
People with disability:-			
	(a) 20% or more disabled people ownership	2	
	(b) Less than 20% disabled people ownership	0	
Locality:-			
	(a) Within the Eastern Cape	2	
	(b) Outside Eastern Cape	0	
Local Content and Production:-			
	(a) Compliant to local content requirements	2	
	(b) Non-compliant to local content requirements	0	

DECLARATION WITH REGARD TO COMPANY/FIRM

4.3. Name of company/firm…….

4.4. Company registration number: ……...

4.5. TYPE OF COMPANY/ FIRM

- □ Partnership/Joint Venture / Consortium
- □ One-person business/sole propriety
- □ Close corporation
- □ Public Company
- □ Personal Liability Company

☐ (Pty) Limited
☐ Non-Profit Company
☐ State Owned Company
[TICK APPLICABLE BOX]

4.6. I, the undersigned, who is duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the specific goals as advised in the tender, qualifies the company/ firm for the preference(s) shown and I acknowledge that:

i) The information furnished is true and correct;
ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –

(a) disqualify the person from the tendering process;
(b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
(c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
(d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audit alteram partem* (hear the other side) rule has been applied; and
(e) forward the matter for criminal prosecution, if deemed necessary.

.....
SIGNATURE(S) OF TENDERER(S)

SURNAME AND NAME:
DATE:

ADDRESS:

.....
.....
.....

DECLARATION CERTIFICATE FOR LOCAL PRODUCTION AND CONTENT FOR DESIGNATED SECTORS

This declaration forms part of all bids invited with local content and it serves as a declaration form for local content (local production and local content are used interchangeably).

1. **A bidder will not be awarded points for Specific goals allocated for Local Content if this Declaration Certificate is not completed, signed and submitted as part of the bid documentation;**
2. Where, after the award of a bid, challenges are experienced in meeting the stipulated minimum threshold for local content the dti must be informed accordingly in order for the dti to verify and in consultation with the AO/AA provide directives in this regard

IN RESPECT OF BID NO.: **SCMU5-23/24-0008CHR, Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**

ISSUED BY: (Procurement Authority / Name of Institution): **EASTERN CAPE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE**

I, the undersigned, ……..... (full names),
do hereby declare, in my capacity as …… ……..
of .....(name of bidder entity), the following:

(a) The facts contained herein are within my own personal knowledge.

(b) I have satisfied myself that:

(i) the goods/services/works to be delivered in terms of the above-specified bid comply with the minimum local content requirements as specified in the bid, and as measured in terms of SATS 1286:2011; and

Bid price, excluding VAT	R
Imported content	R
Stipulated minimum threshold for local content	90% & 100%
Local content %	

(c) I accept that the Procurement Authority / Institution has the right to request that the local content be verified in terms of the requirements of SATS 1286:2011.

(d) I understand that the awarding of the bid is dependent on the accuracy of the information furnished in this application.

SIGNATURE: _____ **DATE:** _____

Local Content – Declaration Summary Schedule

Page No.	Item No.	Description of Services/Works/Goods Maintenance and repairs	Unit of measure	Quantity	Stipulated Minimum Threshold	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value (R)	Local value (R)	Local content % (per item)
				C1	C2	C3	C4	C5	C6	C7	C8
								(C3-C4=C5)	(C1 x C4 = C6)	(C1 x C3= C7)	
		LOW VOLTAGE CABLES:			90%						
98	2.1.3	16mm² x 4-core	No.	1.							
98	2.1.4	16mm² x 3-core	No.	1.							
98	2.1.5	10mm² x 4-core	No.	1.							
98	2.1.6	10mm² x 3-core	No.	1.							
98	2.1.7	6mm² x 4-core	No.	1.							
98	2.1.8	6mm² x 3-core	No.	1.							
98	2.1.9	4mm² x 4-core	No.	1.							
98	2.1.10	4mm² x 3-core	No.	1.							
98	2.1.11	2,5mm² x 4-core	No.	1.							
98	2.1.12	2,5mm² x 3-core	No.	1.							
98	2.1.13	1,5mm² x 4-core	No.	1.							
98	2.1.14	1,5mm² x 3-core	No.	1.							
BID PRICE EXC VAT (R)											
TOTAL IMPORTED CONTENT VALUE (R)											
TOTAL LOCAL CONTENT VALUE (R)											

Local Content – Declaration Summary Schedule

Page No.	Item No.	Description of Services/Works/Goods Maintenance and repairs	Unit of measure	Quantity	Stipulated Minimum Threshold	Tender price - each (excl VAT)	Exempted imported value	Tender value net of exempted imported content	Imported value (R)	Local value (R)	Local content % (per item)
				C1	C2	C3	C4	C5	C6	C7	C8
								(C3-C4=C5)	(C1 x C4 = C6)	(C1 x C3= C7)	
		PLASTIC PIPES:			100%						
103	2.12.1	160mm dia	m	1.							
103	2.12.2	110mm dia	m	1.							
103	2.12.3	75mm dia	m	1.							
104	2.13.1	110mm dia PVC. slow bends.	No.	1.							
104	2.13.2	75mm dia PVC slow bends.	No.	1.							
104	2.13.3	50mm dia PVC slow bends.	No.	1.							
104	2.13.4	40mm dia PVC slow bends.	No.	1.							
104	2.13.5	32mm dia PVC slow bends.	No.	1.							
104	2.13.6	25mm dia PVC slow bends.	No.	1.							
BID PRICE EXC VAT (R)											
TOTAL IMPORTED CONTENT VALUE (R)											
TOTAL LOCAL CONTENT VALUE (R)											

Signature of bidder_____

Date_____

PROTECTION OF PERSONAL INFORMATION: CONSENT (POPIA)

The introduction of The Protection of Personal Information Act (POPIA) ensures the regulation of personal information through its entire life cycle of collection, transfer, storing and deletion.
As part of its business activities, the Department of Public Works and Infrastructure obtains and requires access to personal data from a wide range of internal and external parties, including without limitation bidders who respond to requests for proposals that are published by the Department of Public Works and Infrastructure from time to time. The Department of Public Works and Infrastructure confirms that it shall process the information disclosed by Bidders for the purpose of evaluating and subsequently awarding/appointing a successful Bidder.

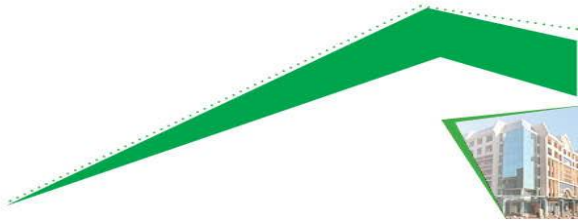
The Department of Public Works and Infrastructure hereby states that it does not and will never modify, amend, or alter any personal information submitted to it by a Bidder. Not unless directed to do so by an order of court, the Department of Public Works and Infrastructure does not disclose or permit the disclosure of any personal information to any Third Party without the prior written consent of the owner of the information.

Similarly, Bidders will from time-to-time access and be seized with information of a personal nature pertaining to the Department of Public Works and Infrastructure. Some of the information may because of legislative compliances be available in the public domain, whilst some is uniquely provided to bidders in pursuit of procurement or other business-related activities. In this regard, the Department of Public Works and Infrastructure requires that Bidders which receive or have access to its personal information, process any such information in a manner compliant with the requirements of the POPIA.

AGREEMENT

1. The Department of Public Works and Infrastructure and the Bidder (the Parties) agree and undertake that upon obtaining and
   having access to personal information relating to either of them, they shall always ensure that:
   a) They process the information only for the express purpose for which it was obtained.
   b) Information is provided only to designated and authorized personnel who require the personal information to carry out the Parties' respective obligations in terms of the Procurement processes.
   c) They will introduce, and implement all reasonable measures ensure the protection of all personal information from unauthorized access and/or use.
   d) They have taken appropriate measures to safeguard the security, integrity, and authenticity of all personal information in its possession or under its control.
   e) The Parties agree that if personal information will be processed for any other purpose other than the one for which the accessing of the information was intended, explicit written consent will be obtained prior to the execution of such reason.
   f) The Parties shall carry out regular assessments to identify all reasonably foreseeable internal and external risks to the interception of personal information in its possession or under its control and shall implement and maintain appropriate controls in mitigation of such risks.

2. The Parties agree that they will promptly return or destroy any personal data in their possession or control which belongs to the other Party once it no longer serves the purpose for which it was collected, subject



to any legal retention requirements. The information will be destroyed in such a manner that it cannot be reconstructed to its original form, linking it to any individual or organization.

3. Bidder's Obligations

a) The Bidder is required to notify the Information Officer of Department of Public Works and Infrastructure, in writing as soon as possible after it becomes aware of or suspects any loss, unauthorized access or unlawful use of any of the Department of Public Works and Infrastructure's personal information.
b) The Bidder shall, at its own cost, promptly and without delay take all necessary steps to mitigate the extent of the loss or compromise of personal data.
c) The Bidder shall be required to provide the Department of Public Works and Infrastructure with details of the persons affected by the compromise and the nature and extent of the compromise, including details of the identity (if known) of the unauthorized person who may have accessed or acquired the personal data.
d) The Bidder undertakes to co-operate with any investigation relating to security breach which is carried out by or on behalf of Department of Public Works and Infrastructure.

On behalf of the Bidder:

…….. ……
Signature Date

…… ……
Position Name of the Bidder

On behalf of the Client:

…….. ……
Signature Date

…….. ……
Position Name of Client Representative

THE CONTRACT

PART C1
AGREEMENTS AND CONTRACT DATA

PART C1.1: FORM OF OFFER AND ACCEPTANCE

C1.1- Form of Offer and Acceptance

Annex C
(normative)
FORM OF OFFER AND ACCEPTANCE

Project title	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
SCMU number	**SCMU5-23/24-0008CHR**

OFFER
The employer, identified in the acceptance signature block, has solicited offers to enter into a contract for the procurement of: **Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**

……
The tenderer, identified in the offer signature block, has examined the documents listed in the tender data and addenda thereto as listed in the returnable schedules, and by submitting this offer has accepted the conditions of tender.

By the representative of the tenderer, deemed to be duly authorized, signing this part of this form of offer and acceptance, the tenderer offers to perform all of the obligations and liabilities of the contractor under the contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the conditions of contract identified in the contract data.
THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS
…… Rand (in words) ;

R …… (In figures) (Or other suitable wording)

This offer may be accepted by the employer by signing the acceptance part of this form of offer and acceptance and returning one copy of this document to the tenderer before the end of the period of validity stated in the tender data, whereupon the tenderer becomes the party named as the contractor in the conditions of contract identified in the contract data.

Signature
……
Name
……
Capacity
……
For the tenderer
……
(Name and address of organization)
Name and signature
Of witness ……..… ….. Date ……

ACCEPTANCE

By signing this part of this form of offer and acceptance, the employer identified below accepts the tenderer's offer. In consideration thereof, the employer shall pay the contractor the amount due in accordance with the conditions of contract identified in the contract data. Acceptance of the tenderer's offer shall form an agreement between the employer and the tenderer upon the terms and conditions contained in this agreement and in the contract that is the subject of this agreement.
The terms of the contract, are contained in:

Part C1 Agreements and contract data, (which includes this agreement)
Part C2 Pricing data
Part C3 Scope of work.
Part C4 Site information and drawings and documents or parts thereof, which may be incorporated by reference into the above listed Parts.

Deviations from and amendments to the documents listed in the tender data and any addenda thereto as listed in the returnable schedules as well as any changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance, are contained in the schedule of deviations attached to and forming part of this form of offer and acceptance. No amendments to or deviations from said documents are valid unless contained in this schedule.
The tenderer shall within 3 weeks after receiving a completed copy of this agreement, including the schedule of deviations (if any), contact the employer's agent (whose details are given in the contract data) to arrange the delivery of any securities, bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the conditions of contract identified in the contract data. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this agreement.
Notwithstanding anything contained herein, this agreement comes into effect on the date when the tenderer receives one fully completed original copy of this document, including the schedule of deviations (if any). Unless the tenderer (now contractor**)** within five working days of the date of such receipt notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties.[1]

Signature
……
Name
……
Capacity
……
for the Employer
……
(Name and address of organization)
Name and signature
of witness …….. Date ……..

Schedule of Deviations

1 Subject _____
Details
_____

2 Subject _____
Details
_____

3 Subject _____
Details
_____

4 Subject _____
Details
_____

By the duly authorized representatives signing this agreement, the employer and the tenderer agree to and accept the foregoing schedule of deviations as the only deviations from and amendments to the documents listed in the tender data and addenda thereto as listed in the tender schedules, as well as any confirmation, clarification or changes to the terms of the offer agreed by the tenderer and the employer during this process of offer and acceptance.

It is expressly agreed that no other matter whether in writing, oral communication or implied during the period between the issue of the tender/ quotation documents and the receipt by the tenderer of a completed signed copy of this Agreement shall have any meaning or effect in the contract between the parties arising from this agreement.

[1] *As an alternative, the following wording may be used:*

*Notwithstanding anything contained herein, this agreement comes into effect two working days after the submission by the employer of one fully completed original copy of this document including the schedule of deviations (if any), to a courier-to-counter delivery / counter-to-counter delivery / door-to counter delivery /door-to-door delivery /courier service (delete that which is not applicable), provided that the employer notifies the tenderer of the tracking number within 24 hours of such submission. Unless the tenderer (now contractor**)** within seven working days of the date of such submission notifies the employer in writing of any reason why he cannot accept the contents of this agreement, this agreement shall constitute a binding contract between the parties*

A

RECORD OF ADDENDA TO BID DOCUMENTS

PROJECT TITLE	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
SCMU NUMBER	**SCMU5-23/24-0008CHR**

I / We confirm that the following communications received from the Department of Public Works and Infrastructure before the submission of this tender offer, amending the tender documents, have been taken into account in this bid offer: (Attach additional pages if more space is required)

Item	Date	Title or Details	No. of Pages
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Attach additional pages if more space is required.

Signed ..... Date .....

Name ..... Position .....

Tenderer .....

B

PROPOSED AMENDMENTS AND QUALIFICATIONS

The Tenderer should record any deviations or qualifications he may wish to make to the tender documents in this Returnable Schedule. Alternatively, a tenderer may state such deviations and qualifications in a covering letter to his tender and reference such letter in this schedule. The Tenderer's attention is drawn to clause 5.8 of SANS 10845-3 regarding the employer's handling of material deviations and qualifications.

PROJECT TITLE	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
SCMU NUMBER	**SCMU5-23/24-0008CHR**

Page	Clause /Item	Proposal

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct

Signed ---------- Date ----------

Name ---------- Position ----------

Enterprise name ----------

C

RESOLUTION FOR SIGNATORY

A: CERTIFICATE OF AUTHORITY FOR SIGNATORY

Signatory for companies shall confirm their authority hereto by attaching a duly signed and dated copy of the relevant resolution of the board of directors to this form or on company letter head.

An example is given below:

"By resolution of the board of directors passed at a meeting held on _____

Mr/Ms_____, whose signature appears below, has been duly authorised to

Sign all documents in connection with the tender for Contract No. _____

and any Contract which may arise there from on behalf of (Block Capitals) _____

_____

_____

SIGNED ON BEHALF OF THE COMPANY: _____

IN HIS/HER CAPACITY AS: _____

DATE:_____

SIGNATURE OF SIGNATORY: _____

WITNESSES:

DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	
DIRECTOR (NAMES)		SIGNATURE	

If you cannot complete this form, attach a separate sheet (in a company letter head, project specific and signed by all directors):

D

CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be completed by joint ventures.

We, the undersigned, are submitting this tender offer in Joint Venture and hereby authorize Mr/Ms . . . ., authorized signatory of the company . . . . , acting in the capacity of lead partner, to sign all documents in connection with the tender offer and any contract resulting from it on our behalf.

PROJECT TITLE	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
SCMU NUMBER	**SCMU5-23/24-0008CHR**

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner: ……. .		Signature. . ……. . . . . . Name ……... Designation……
……. .		Signature. . ……. . . . . . Name ……... Designation……
……. .		Signature. . ……. . . . . . Name ……... Designation……
……. .		Signature. . ……. . . . . . Name ……... Designation……

E

SCHEDULE OF PROPOSED SUBCONTRACTORS

PROJECT TITLE	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
SCMU NUMBER	**SCMU5-23/24-0008CHR**

We notify you that it is our intention to employ the following Subcontractors for work in this contract. The Subcontractors will all be CIDB registered and their CIDB Registration number shall be submitted below.

If we are awarded a contract, we agree that this notification does not change the requirement for us to submit the names of proposed subcontractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us.

We confirm that all subcontractors who are or to be contracted are registered on Central Supplier Database (CSD).

No.	Name and address of proposed Subcontractor	Nature and extent of work	Year completed	Value	Contact details
1					
2					

3					
4					
5					
The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct					

Signed	----------	Date	----------
Name	----------	Position	----------
Enterprise name	----------		

F

CAPACITY OF THE BIDDER

PROJECT TITLE	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
SCMU NUMBER	**SCMU5-23/24-0008CHR**

WORK CAPACITY: (The Bidder is requested to furnish the following capacity particulars and to attach additional pages if more space is required. Failure to furnish the particulars may result in the Bid being disregarded.)

Artisans and Employees: (Artisans and Employees to be, or are, employed for this project)

Quantity / No. of Resources	**Categories of Employee - Key Personnel (part of Business Enterprise)**	**Professional Registration No.**	**Date of Employment**
	Site Agent		
	Project Manager		
	Foreman		
	Quality Control & Safety Officer-Construction Supervisor		
	Artisans		
	Unskilled employees		
	Others		

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct.

Signed:	……	**Date**	……
Name:	……	**Position**	……

Enterprise **Name:**
……

G

RELEVANT PROJECT EXPERIENCE – COMPLETED PROJECTS

Tenderers must submit a max one-page description of at least three projects successfully completed.

Attach a Completion Certificate for each of the project provided.

The description of each project must include the following information:

1. Essential introductory information:
   1.1. Name of project.
   1.2. Name of client.
   1.3. Contact details of client.
   1.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
   1.5. The period during which the project was performed, and also, if this is different, the period during which the tenderer's team members were contracted.
   1.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

NO.	NAME OF PROJECT.	NAME OF CLIENT.	CONTACT DETAILS OF CLIENT.	PROJECT VALUE	DATE COMPLETED
1					
2					
3					

If there are more projects, attach a separate page to address this issue (the above table is just for reference purposes).

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct.

Signed……..

Date……..
.

Name……
….

Position……
….

Enterprise name…… ……
…

H

RELEVANT PROJECT EXPERIENCE – CURRENT PROJECTS

Tenderers must submit a max one-page description of at least three projects under construction/ on hold/ just handed over/ towards completion (if they exist). **Attach an Appointment letter for each of the project provided.**

The description of each project must include the following information:

2. Essential introductory information:
   - 2.1. Name of project.
   - 2.2. Name of client.
   - 2.3. Contact details of client.
   - 2.4. Contact details (including telephone numbers and email addresses) of currently contactable references.
   - 2.5. The period during which the project was performed, and if this is different, the period during which the tenderer's team members were contracted.
   - 2.6. Cost of works and/or contract value (making it clear in broad terms what this cost/value purchased, and to what extent (if any) this cost/value was part of a larger project budget or programme budget).

NO.		NAME OF PROJECT.	NAME OF CLIENT.	CONTACT DETAILS OF CLIENT.	PROJECT VALUE	STAGE OF PROJECT
1						
2						
3						

Attach a separate page to address this issue (the above table is just for reference purposes).

Signed ---------- Date ----------

Name ---------- Position ----------

Enterprise name ----------

The undersigned, who warrants that she/ he is duly authorised to do so on behalf of the enterprise, confirms that the content of this schedule that presented by the tenderer are within my personal knowledge and are to the best of my knowledge both true and correct.

I

OTHER OFFERS SUBMITTED AT TIME OF THIS TENDER FOR WHICH RESULTS ARE PENDING (if they exist)

(Any other client's tender must also be included)

BID NO. / PROJECT NUMBER	PROJECT NAME	CLIENT NAME & CONTACT NO.	VALUE TENDERED IN RANDS	DATE SUBMITTED	CONTACT DETAILS (CLIENT)
1					
2					
3					
4					

Signed ---------- Date ----------

Name ---------- Position ----------

Enterprise name ----------

If there are more projects, attach a separate page to address this issue (the above table is just for reference purposes).

J

SCHEDULE OF TENDERER'S LITIGATION HISTORY

The tenderer shall list below details of any litigation with which the tenderer (including its directors, shareholders or other senior members in previous companies) has been involved with any organ of state or state department within the last ten years. The details must include the year, the litigating parties, and the subject matter of the dispute, the value of any award or estimated award if the litigation is current and in whose favour the award, if any, was made.

NO.	NAME OF CLIENT.	OTHER LITIGATING PARTY	BRIEF DETAILS OF DISPUTE	PROJECT VALUE	DATE RESOLVED OR STATUS OF LITIGATION
1					
2					
3					
4					

Signed ---------- Date ----------

Name ---------- Position ----------

Enterprise name ----------

K

Project Reference Forms – 1

Project title:	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
Project Number:	**SCMU5-23/24-0008CHR**

NOTE: This returnable document must be completed by the person who was the Engineer/Project Manager on a project of similar value and complexity that was completed successfully by the tenderer.

I, _____ (name and surname) of _____ (company name) declare that I was the Project Manager on the following building construction project successfully executed by _____ (name of tenderer):
Project name: _____
Project location: _____
Construction period: _____ Completion date: _____
Contract value: _____

A. Please evaluate the performance of the Tenderer on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

Key Performance Indicators	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5	Total
1. Project performance / time management / programming						
2. Quality of workmanship						
3. Resources: Personnel						
4. Resources: Plant						
5. Financial management / payment of subcontractors / cash flow, etc.						
TOTAL						

B. Would you consider / recommend this tenderer again:

YES	NO

C. Any other comments:

_____

_____

D. My contact details are:

Telephone: _____ Cell phone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2023.

_____

Signature of principal agent

COMPANY STAMP

NOTE:

If reference cannot be verified due to the inability to get hold of the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points. It is the responsibility of the tenderer to put referees who are reachable.

_____
Name of Tenderer

_____ _____
Signature of Tenderer Date

Project Reference Forms - 2

Project title:	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
Project Number:	**SCMU5-23/24-0008CHR**

NOTE: This returnable document must be completed by the person who was the Engineer/Project Manager on a project of similar value and complexity that was completed successfully by the tenderer.

I, _____ (name and surname) of _____ (company name) declare
That I was the Project Manager on the following building construction project successfully executed by _____ (name of tenderer):
Project name: _____
Project location: _____
Construction period: _____ Completion date: _____
Contract value: _____
A. Please evaluate the performance of the Tenderer on the abovementioned project, on which you were the principal agent, by inserting "Yes" in the relevant box below:

Key Performance Indicators	Very Poor 1	Poor 2	Fair 3	Good 4	Excellent 5	Total
1. Project performance / time management / programming						
2. Quality of workmanship						
3. Resources: Personnel						
4. Resources: Plant						
5. Financial management / payment of subcontractors / cash flow, etc.						
TOTAL						

B. Would you consider / recommend this tenderer again:

YES	NO

C. Any other comments:

_____

_____

D. My contact details are:

Telephone: _____ Cell phone: _____ Fax: _____

E-mail: _____

Thus signed at _____ on this _____ day of _____ 2023.

_____
_____
Signature of principal agent

COMPANY STAMP

NOTE:

If reference cannot be verified due to the inability to get hold of the referee or failure on his/her part to respond to a written request to do so, that reference will not score any points. It is the responsibility of the tenderer to put referees who are reachable.

_____
Name of Tenderer

_____
_____
Signature of Tenderer Date

L

BASELINE RISK ASSESSMENT

PROJECT TITLE	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
SCMU NUMBER	**SCMU5-23/24-0008CHR**
PLEASE NOTE THAT THIS IS A BASELINE RISK ASSESSMENT AND NOT A DETAILED RISK ASSESSMENT OF ALL ANTICIPATED ACTIVITIES ON SITE	

Activity	Risk to Safety	Risk to Health	Risk to Environmental	Risk to Public Safety	Control Measures
Electrical	Physical injury, Fatality				PPE, Use of Scaffolding
Roofing	Physical injury, Fatality				PPE, Use of Scaffolding
Plastering	Skin irritation, temporary blindness	Long term breathing problems	Ground contamination	Dust inhalation	Use of PPE, guarding off site on work areas
Paintwork	Skin irritation, temporary blindness	Long term breathing problems	Ground contamination	Air pollution	Use of PPE, guarding off site on work areas
Construction activities / demolition	Temporary deafness	Permanent deafness	Noise pollution	Noise pollution	Guarding / barricading of site
Moving machines	Driven over by machines	Injury to workers	Fuel spillage	Driven over by machines	Signage and slow driving

You can list all activities on a separate page to address this issue (the above table is just for reference purposes).

M

A. EASTERN CAPE INFRASTRUCTURE INPUT MATERIAL

PROJECT NAME	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
PROJECT DESCRIPTION (SCOPE)	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
SCMU NUMBER	**SCMU5-23/24-0008CHR**
CONTRACTOR NAME:	

1. Below is the list of building material which must be sourced from Eastern Cape based suppliers, manufacturers or accredited agents.
2. On monthly basis, the contractor will report the purchasing of any of this material.
3. The report will then be communicated to PT & OTP on quarterly basis or in whichever intervals, as prescribed by PT & OTP.

A. BUILDING MATERIAL LISTS– BUILDING RELATED STRUCTURES (NEW, REFURBISHMENTS & RENOVATIONS)

B. CONFIRMATION

1. I……(***Contractor name***) acknowledge and confirm the above mentioned material will be sourced in the Eastern Cape Province, from Eastern Cape based material suppliers and manufacturers.
2. I confirm that on monthly basis I will produce a proof of purchase of this material used or to be used, either in the form of delivery notes, tax invoices or any formal document which verifies that the material or goods were sourced from an Eastern Cape based supplier or manufacturer.

----------	**----------**	**----------**
Representative of the Contractor (Name)	***Signature***	***Date***

PART C1.2: CONTRACT DATA

Tender No : SCMU5-23/24-0008CHR

Project title:	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
Tender No:	SCMU5-23/24-0008CHR

Part 1– Data provided by the Employer

Clause	Statement	Data
1. General		
	The conditions of contract are the core clauses and the clauses for main Option:	
		A Priced contract with price list
	dispute resolution Option and secondary Options	W1 Dispute resolution procedure
		X1 Price adjustment for inflation
		X13 Performance Bond
		X17 Low service damages
		X18 Limitation of liability
		X19 Task Order
	NEC3 PROFESSIONAL SERVICES CONTRACT GUIDANCE NOTES AND FLOW CHARTS (Term Service Contract) April 2013	X20 Key Performance Indicators

10.1	The Employer is (name):	Eastern Cape Department of Public works and infrastructure
	Address	Department of Public Works and Infrastructure Ground Floor Office C.G 020 No.1 Creamery Road, Old CPA Building

Represented By:	M.HLAZO
Tel No.	0458076706
Fax No.	

10.1	The Service Manager is (name):	TBA
	Address	
	Tel	
	e-mail	
	The Service Manager is (name):	TBA
11.2(2)	The Affected Property is	Various Facilities in the Eastern Cape Province as per Service Information(CHRIS HANI REGION)
	The service is	
11.2(13)		Scheduled and Re-active Maintenance of– Electrical/Mechanical equipment
11.2(14	The following matters will be included in Risk register	N/A
11.2(15)	The Service Information is in	The Contract Part 1: Service Information - Scope of Works. Works Information and all documents and drawings to which it makes reference.
12.2	The law of the contract is the law of	the Republic of South Africa
13.1	The language of this contract is	English
13.2	The period for reply is	7 days

2. The Contractor's responsibility (If the optional statement for this section is not used, no data will be required for this section)

21.1	The Contractor submits a first Plan for	2 weeks of the Contract Date acceptance within

3. Time

30.1	The starting date is	at the Site Handover Meeting Date
30.2	The service period is	24 Months or 2years

4. Testing and defects

Special testing may be requested by the Service Manager.

5. Payment

50.1	The assessment interval is	Monthly

51.1	The currency of this contract is the	South African Rand
51.2	The period with which payments are made is	30 Days after submission of a valid TAX Invoice to the Employer
51.4	The interest rate is	(i) zero percent above the publicly quoted prime rate of interest (calculated on a 365-day year) charged by from time to time by the South African Reserve Bank (as certified, in the event of any dispute, by any manager of such bank, whose appointment it shall not be necessary to prove) for amounts due in Rands

6. Compensation Events	(if the optional statement for this section is not used, no data will be required for this section
These are additional compensation	N/A events

7. Use of Equipment Plant and Materials	No data is required for this section of the conditions of contract.

8. Risks and Insurance		
80.1	These are additional Employer's risks	N/A
83.1	The Employer provides these insurances from the Insurance Table	N/A
83.1	The Employer provides these additional insurances	N/A
83.1	The minimum amount of cover for insurance against loss and damage caused by the Contractor to the Employer's property is	R 2 000 000.00
83.1	The insurance against loss of or damage to the works, Plant and Materials is to include cover for Plant and Materials provided by the Employer to an amount of	R2 000 000.00
83.1	The minimum amount of cover for insurance in respect of loss of or damage to property (except the Employer's property, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the Contractor) arising from or in connection with the Contractor's Providing the Service for any one event is:	R 2 000 000.00
83.1	The Minimum limit of indemnity for insurance in respect of death of or bodily injury to employees of the Contractor arising out of and in course of their employment in connection with this contract for any one event is:	As prescribed by the Compensation for Occupational Injuries and Diseases Act No. 130 of 1993 and the Contractor's common law liability for people falling outside the scope of the Act with a limit of Indemnity of not less that R 2 000 000.00

9. Termination	No data is required for this section of the conditions of contract.

10. Data for main Option Clauses		
A	Priced Contract with Price List	Option A
20.5	The Contractor prepares forecasts of the final total of the Prices for the whole of the service at intervals of no longer than	4 Weeks

11. Data for Option W1		
W1.1	The Adjudicator is (Name) Address Tel. No, Fax No. Email	The person selected from the ICE-SA Division (or its successor body) of the South African Institution of Civil Engineering Panel of Adjudicators by the party intending to refer a dispute to him. (See www.icesa.org.za)
W1.2(3)	The Adjudicator nominating body is:	The Chairman of ICE-SA a joint Division of the South African Institution of Civil Engineering
W1.4(2)	The Tribunal is:	Arbitration
W1.4(5)	The Arbitration Procedure is	The latest edition of Rules for the Conduct of Arbitrations published by the Association of Arbitrators (South Africa) or its successor body.
	The place where arbitration is to be held is	South Africa
	The person or organization who will choose an arbitrator - If the Parties cannot agree a choice or - If the procedure does not state who selects an arbitrator, is	The Chairman for the time being or his nominee of the Association of Arbitrators (South Africa) or its successor body.

12. Data for Secondary Option Clauses

X1 Price Adjustment for Inflation

X1.1 The base date for indices is — Tender Closing Date

The proportions used to calculate the Price Adjustment Factor are:

Note: Requirements for CPA/Price inflation is that Prices must be Fixed and Firm for the First 12 months of the contract and only subject to escalation thereafter. A minimum of 10% of the contract price / prices is not adjustable throughout the life of the contract

Proportion	Linked to Index for	Index prepared by (Source)
	Non-Adjustable**	
100%		

X13 Performance Bond

X13.1 The Contractor gives the Employer a performance bond — The Tenderer must provide a Performance Bond in the form of a Fixed Performance Guarantee by means of a Bank Guarantee, or from an Insurer approved by the Service Manager, in the amount of 2.5% of the Awarded Contract Value, once the Contract has been awarded to him. This Bond must be given to the Employer with in four (4) weeks of the Contract Date.

X17 Low Service Damages

X17.1 The service level table is in — As per Demerit Table in Contact Data – Annexure CD1

X18 Limitation of Liability

X18.1 The Contractor's liability to the Employer for indirect or consequential loss is limited to — R0.0 (zero Rand)

X18.2 For any one event, the Contractor's liability to the Employer for loss of or damage to the Employer's property is limited to — R2 000 000.00

X18.3 The Contractor's liability for Defects due to his design of an item of Equipment is limited to — The greater of
- the total of the Prices at the Contract Date And
- R2 000 000

X18.4 The Contractor's liability to the Employer for all matters arising under or in connection with this contract, other than the excluded matters, is limited to — N/A

X18.5 The end of liability date is — 3 Months after the end of the Service Period.

X19	Task Order The Contractor submits a Task Order program to the Service Manager within	Authorization to commence with any Task will be done by Task Order. This Task Order will be issued to the Contractor by the Service Manager. Maintenance Turn- around times are stated in the Works Instructions under specification clause GM7.
X20	Key Performance Indicators	Key performance Indicators will be used to monitor Contractor performance on a monthly basis

- Part Two – Data provided by the *Contractor*

Clause	Statement	Data
10.1	The Contractor is (Name): Address: Tel No. Fax No.	
11.2(8)	The Direct Fee Percentage is	_____%
	The Subcontracted Fee Percentage Is	_____%
11.2(14)	The following matters will be included in the Risk Register	
11.2(15)	The Service Information for the Contractor's plan is in:	
21.1	The plan identified in the Contract Data is contained in:	
24.1	The Key Persons are: Name : Job : Responsibilities : Qualifications : Experience	
	Name : Job : Responsibilities : Qualifications : Experience	
		CV's and further key person's data are in _____
A	Priced Contract with Price List	
11.2(12)	The price list is in	

11.2(19) The tendered total of the Prices is

X1 Price adjustment for inflation

X1.1

Proportion	Linked to Index for	Index prepared by (Source)
	Non-Adjustable**	
100%		

Annexure CD1 – Demerit Table and Penalty Calculation System

Project title:	Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani Region for a period of two (2) years.
Bid No:	SCMU5-23/24-0008CHR

ANNEXURE CD1: DEMERIT TABLE AND PENALTY CALCULATION SYSTEM

If the Contractor fails to remedy any sub-standard work within the time frame stipulated by the Service Manager, the conditions as per GM 3.1 will apply.

The contractor will incur demerit points for specific measurable poor performance incidents which can lead to the early termination of the Contract as described below.

DESCRIPTION	DEMERIT POINT
Failure to submit the Functional Condition Assessment Report by the due date	1 point/ week that the report is late
Exceeding the maximum allowable response and resolve time for a P1 Breakdown	3 points/ incident
Exceeding the maximum allowable response and resolve time for a P2 Breakdown	2 points/ incident
Exceeding the maximum allowable response and resolve time for a P3 or P4 Breakdown	1 point/ incident
Not meeting the Planned Maintenance Performance KPI	1 point/ incident
Not meeting the Rework Rate KPI	1 point/ incident
Not meeting the Contractor Contactability KPI	1 point/ incident

The demerit points will accumulate and trigger the following actions:

ACCUMULATED DEMERIT POINTS	ACTION
6	Service Manager to discuss Contractor's performance deviation and agree on improvement measures. If improvement measures are successful and the Contractor has been consistently meeting the required KPI targets for the following two months, the demerit points can be cancelled by the Service Manager.

12	Service Manager to issue notice that Contractor is in Breach of Contract and that Contract Can be terminated if the Contractor does not improve his performance in line with the agreed improvement measures.
15	Service Manager to Terminate Contract as per Clause 9 of the NEC3 Term Service Contract.

Poor performance by the Contractor due to late payments by the Employer will not incur demerit points.

Financial penalties, as per the requirements of Secondary Options Clause X17, will be applied on the effected payments at 1% penalty per demerit point by the Service Manager, in the month that the demerit points are allocated to the Contractor.

Annexure CD2 – Key Performance Indicator Listing

Project title:	Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani Region for a period of two (2) years.
Bid No:	SCMU5-23/24-0008CHR

ANNEXURE CD2: KEY PERFORMANCE INDICATOR LISTING

The following Key Performance Indicators (KPI's) will be applicable to this Contract and must be monthly updated and reported on by the Service Manager:

KPI Name	KPI Equation			Frequency	Target
Emergency Job Rate	=	Total Number of Emergency Jobs Done / Total Number of Jobs Done	X 100%	Monthly	<10%
Planned Maintenance Performance	=	Total Number of Scheduled Planned Maintenance Jobs Completed / Total Number of Planned Maintenance Jobs Scheduled	X 100%	Monthly	100%
Cost Estimation Accuracy	=	Total Actual Cost of Work / Total Estimated Cost Of Work	X 100%	Monthly	100%
Response Performance	=	Number of Service Calls Completed within Targeted Response Time / Total Number of Service Calls	X 100%	Monthly	100%
Rework Rate	=	Number of Jobs Requiring Rework / Total Number of Jobs Done	X 100%	Monthly	0%
SHEQ	=	Number of SHEQ Incidents Involving the Contractor		Monthly	0
Contractor Contactability	=	Number of Times that Contractor was not Contactable by the Call Centre		Monthly	0

The Service Manager must also ensure that the following items are routinely inspected and reported on by the Site Representative for each Health Facility:

1. Compliance with general maintenance requirements as specified in the Service Information.

2. Manner in which preventative and corrective maintenance is carried out.

3. Manner in which the Maintenance Control Plan is implemented and updated.

4. Manner in which Task Orders received from the Service Manager is dealt with.

5. Manner in which records are kept as required by the Service Information as well as the Occupational Health and Safety Act, Act No 85 of 1993 as amended.

6. Quality of services carried out for the month prior to the inspection.

Note: The aim of the above inspection is to determine that all the requirements of the specification have been complied with. Should the Service Manager believe that one or more maintenance items referred to above, have been neglected or totally ignored by the Contractor he may decide to implement demerit points as penalty as per X17 for each type of non-compliance found during the inspection.

PART C1.3: DISPUTE RESOLUTION MECHANISM

C1.3 CIDB ADJUDICATOR'S AGREEMENT

This agreement is made on the . . . . day of . . . . between:. . . . .
. . . . (name of company / organization) of . . . .
. . . .
. . . . (address) and. . . . .
(name of company / organization) of . . . .
. . . .
. . (address) (the Parties) and. . . . . (name)
of . . . .
. . . . (address) (the Adjudicator).
Disputes or differences may arise/have arisen* between the Parties under a Contract dated . . . . .
. . . and known as. . . . .
. . . . . . and these disputes or differences shall be/have been* referred to adjudication in accordance with the CIDB Adjudication Procedure, (hereinafter called "the Procedure") and the Adjudicator may be or has been requested to act.

* Delete as necessary

IT IS NOW AGREED as follows:

1 The rights and obligations of the Adjudicator and the Parties shall be as set out in the Procedure.

2 The Adjudicator hereby accepts the appointment and agrees to conduct the adjudication in accordance with the Procedure.

3 The Parties bind themselves jointly and severally to pay the Adjudicator's fees and expenses in accordance with the Procedure as set out in the Contract Data.

4 The Parties and the Adjudicator shall at all times maintain the confidentiality of the adjudication and shall endeavour to ensure that anyone acting on their behalf or through them will do likewise, save with the consent of the other Parties which consent shall not be unreasonably refused.

5 The Adjudicator shall inform the Parties if he intends to destroy the documents which have been sent to him in relation to the adjudication and he shall retain documents for a further period at the request of either Party.

SIGNED by: ____________	SIGNED by: ____________	SIGNED by: ____________
Name:	Name:	Name:
who warrants that he / she is duly authorized to sign for and on behalf of the first Party in the presence of	who warrants that he / she is duly authorized to sign for and behalf of the second Party in the presence of	the Adjudicator in the presence of
Witness ____________	Witness: ____________	Witness: ____________
Name: ____________	Name ____________	Name: ____________

Address:		Address:		Address:	
Date:		Date:		Date:	

Contract Data

1	The Adjudicator shall be paid at the hourly rate of R. . . . . in respect of all time spent upon, or in connection with, the adjudication including time spent travelling.
2	The Adjudicator shall be reimbursed in respect of all disbursements properly made including, but not restricted to: (a) Printing, reproduction and purchase of documents, drawings, maps, records and photographs. (b) Telegrams, telex, faxes, and telephone calls. € Postage and similar delivery charges. (d) Travelling, hotel expenses and other similar disbursements. € Room charges. (f) Charges for legal or technical advice obtained in accordance with the Procedure.
3	The Adjudicator shall be paid an appointment fee of R . . . . . This fee shall become payable in equal amounts by each Party within ….. Days of the appointment of the Adjudicator, subject to an Invoice being provided. This fee will be deducted from the final statement of any sums which shall become payable under item 1 and/or item 2 of the Contract Data. If the final statement is less than the appointment fee the balance shall be refunded to the Parties.
4	The Adjudicator is/is not* currently registered for VAT.
5	Where the Adjudicator is registered for VAT it shall be charged additionally in accordance with the rates current at the date of invoice.
6	All payments, other than the appointment fee (item 3) shall become due in 30 days after receipt of invoice, thereafter interest shall be payable at 5% per annum above the Reserve Bank base rate for every day the amount remains outstanding.

* Delete as necessary

PART C2
PRICING DATA

PART C2.1: PRICING INSTRUCTIONS

C2.1 Pricing Instructions

1 The Bills of Quantities have been drawn up in accordance with the Standard System of Measuring Building Work as amended) published and issued by the Association of South African Quantity Surveyors (Sixth Edition (Revised)), 1999. Where applicable the:

a) Civil engineering work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Civil Engineering Works.
b) Mechanical work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Mechanical Engineering Works.
c) Electrical work has been drawn up in accordance with the provisions of the latest edition of SABS 1200 Standardised Specifications for Electrical Engineering Works.

2 The agreement is based on the JBCC Edition 6.2 of 2018 with amendments from JBCC Edition 4.1, prepared by the Joint Building Contracts Committee, The additions, deletions and alterations to the JBCC Principal Building Agreement as well as the contract specific variables are as stated in the Contract Data. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.

3 Preliminary and general requirements are based on the NEC3 April 2013. Only the headings and clause numbers for which allowance must be made in the Bills of Quantities are recited.

4 It will be assumed that prices included in the Bills of Quantities are based on Acts, Ordinances, Regulations, By-laws, International Standards and National Standards that were published 28 days before the closing date for tenders. (Refer to www.stanza.org.za or www.iso.org for information on standards).

5 The drawings listed in the Scope of Works used for the setting up of these Bills of Quantities are kept by the Principal Agent or Engineer and can be viewed at any time during office hours up until the completion of the works.

6 Reference to any particular trademark, name, patent, design, type, specific origin or producer is purely to establish a standard for requirements. Products or articles of an equivalent standard may be substituted.

7 The bills of quantities forms part of and must be read and priced in conjunction with all the other documents forming part of the contract document, The Standard Conditions of Tender, Conditions of Contract, Specifications, Drawings, The document "Construction Works: Specifications: General Specification (PW371-A) Edition 2.0" is obtainable on the Department's website (http://www.publicworks.gov.za/ under "Consultants Guidelines"), and shall be read in conjunction with the **bills of quantities** / lump sum document and be referred to for the full descriptions of work to be done and materials to be used The document "Construction Works: Specifications: Particular Specification (PW371-B) Edition 2.0" is issued together with the drawings and shall be read in conjunction with the drawings and the **bills of quantities** / lump sum document

8 Where any item is not relevant to this specific contract, such item is marked N/A (signifying "not applicable")

9 The Contract Data and the standard form of contract referenced therein must be studied for the full extent and meaning of each and every clause set out in Section 1 (Preliminaries) of the Bills of Quantities

10 The Bills of Quantities is not intended for the ordering of materials. Any ordering of materials, based on the Bills of Quantities, is at the Contractor's risk.

11 The amount of the Preliminaries to be included in each monthly payment certificate shall be assessed as an amount prorated to the value of the work duly executed in the same ratio as the preliminaries bears to the total of prices excluding any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract.

12 Where the initial contract period is extended, the monthly charge shall be calculated on the basis as set out in 11 but taking into account the revised period for completing the works.

13 The amount or items of the Preliminaries shall be adjusted to take account of the theoretical financial effect which changes in time or value (or both) have on this section. Such adjustments shall be based on adjustments in the following categories as recorded in the Bills of Quantities:

a) an amount which is not to be varied, namely Fixed (F)
b) an amount which is to be varied in proportion to the contract value, namely Value Related (V); and
c) an amount which is to be varied in proportion to the contract period as compared to the initial construction period excluding revisions to the construction period for which no adjustment to the contractor is not entitled to in terms of the contract, namely Time Related (T).

14 Where no provision is made in the Bills of Quantities to indicate which of the three categories in 13 apply or where no selection is made, the adjustments shall be based on the following breakdown:

a) 10 percent is Fixed
b) 15 percent is Value Related
c) 75 percent is Time Related

15 The adjustment of the Preliminaries shall apply notwithstanding the actual employment of resources in the execution of the works. The contract value used for the adjustment of the Preliminaries shall exclude any contingency sum, the amount for the Preliminaries and any amount in respect of contract price adjustment provided for in the contract. Adjustments in respect of any staged or sectional completion shall be prorated to the value of each section.

16 The tender price must include Value Added Tax (VAT). All rates, provisional sums, etc. in the bills of quantities must however be net (exclusive of VAT) with VAT calculated and added to the Total Value thereof in the Final Summary.

17. The Contractor shall adhere to "The national minimum wage determined by the Minister in accordance with the National Minimum Wage Act (NMWA)", and yearly pronounced increases for duration of contract.

EPWP REQUIREMENTS AND SPECIFICATION

SCOPE OF WORKS IN RESPECT OF WORK RELATING TO THE EXTENDEND PUBLIC WORKS PROGRAMME (EPWP)			
Project Name	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**	SCMU Number	**SCMU5-23/24-0008CHR**

Introductory notes:

1. The works, or parts of the works will be constructed using labour-intensive methods only in terms of this specification. The use of plant to provide such works, other than plant specifically provided for in the scope of work, is a variation to the contract. The items marked with the letters **LI** are not necessarily an exhaustive list of all the activities which must be done by hand, and this clause does not over-ride any of the requirements in the generic labour-intensive specification in the Scope of Works.
2. Payment for items which are designated to be constructed labour-intensively (either in this schedule or in the Scope of Works) will not be made unless they are constructed using labour-intensive methods. Any unauthorised use of plant to carry out work which was to be done labour-intensively will not be condoned and any works so constructed will not be certified for payment.

DESCRIPTION OF THE WORKS

Employer's objectives

The employer's objectives are to deliver public infrastructure using labour-intensive methods.

Labour-intensive works

Labour-intensive works comprise the activities described in the Labour-Intensive Specification. Labour-intensive works shall be constructed/maintained using local workers who are temporarily employed in terms of the scope of work.

LABOUR-INTENSIVE COMPETENCIES OF SUPERVISORY AND MANAGEMENT STAFF

Contractors shall only engage supervisory and management staff in labour-intensive works that have completed the skills programme including Foremen/ Supervisors at NQF level 4 "National Certificate: Supervision of Civil Engineering Construction Processes" and Site Agent/ Manager at NQF level 5 "Manage Labour-Intensive Construction Processes" or equivalent QCTO qualifications (See Appendix C). at NQF outlined in Table 1.

Emerging contractors shall have personally completed, or be registered on a skills programme for the NQF level 2 unit standard. All other site supervisory staff in the employ of emerging contractors must have completed, or be registered on a skills programme for the NQF level 2 unit standards or NQF level 4 unit standards. Table 1: Skills programme for supervisory and management staff.

Table 1: Skills programme for supervisory and management staff

Personnel	NQF level	Unit standard titles	Skills programme description
Team leader / supervisor	2	Apply Labour-Intensive Construction Systems and Techniques to Work Activities	This unit standard must be completed, and
		Use Labour-Intensive Construction Methods to Construct and Maintain Roads and Storm water Drainage	any one of these 3 unit standards
		Use Labour-Intensive Construction Methods to Construct and Maintain Water and Sanitation Services.	
		Use Labour-Intensive Construction Methods to Construct, Repair and Maintain structures	
Personnel	**NQF level**	**Unit standard titles**	**Skills programme description**
Foreman/supervisor	4	Implement Labour-Intensive Construction Systems and Techniques	This unit standard must be completed, and
		Use Labour-Intensive Construction Methods to Construct and Maintain Roads and Storm water Drainage	any one of these 3 unit standards
		Use Labour-Intensive Construction Methods to Construct and Maintain Water an Sanitation Services	
		Use Labour-Intensive Construction Methods to Construct, Repair and Maintain structures	
Site Agent /Manager (i.e. the contractor's most senior representative that is resident on the site)	5	Manage Labour-Intensive Construction Processes	Skills Programme against this single unit standard
Details of these skills programmes may be obtained from the CETA ETQA manager (e-mail :gerard@ceta.co.za , tel: 011-265 5900)			

EMPLOYMENT OF UNSKILLED AND SEMI-SKILLED WORKERS IN LABOUR INTENSIVE WORKS

1.1 Requirements for the sourcing and engagement of labour.

1.1.1 Unskilled and semi-skilled labour required for the execution of all labour-intensive works shall be engaged strictly in accordance with prevailing legislation and SANS 1914-5, Participation of Targeted Labour.

1.1.2 The rate of pay set for the SPWP per task or per day will be an acceptable rate determined by the Department of Labour.

1.1.3 Tasks established by the contractor must be such that:

a) the average worker completes 5 tasks per week in 40 hours or less; and

b) the weakest worker completes 5 tasks per week in 55 hours or less.

1.1.4 The contractor must revise the time taken to complete a task whenever it is established that the time taken to complete a weekly task is not within the requirements of 1.1.3.

1.1.5 The Contractor shall, through all available community structures, inform the local community of the labour-intensive works and the employment opportunities presented thereby. Preference must be given to people with previous practical experience in construction and / or who come from households:

a) where the head of the household has less than a primary school education;

b) that have less than one full time person earning an income;

c) where subsistence-agriculture is the source of income.

d) that who are not in receipt of any social security pension income

1.1.6 The Contractor shall endeavour to ensure that the expenditure on the employment of unskilled and semi-skilled workers is in the following proportions:

a) 55 % women;

b) 55% youth who are between the ages of 18 and 35; and

c) 2% on persons with disabilities.

1.2 Specific provisions pertaining to SANS 1914-5

1.2.1 Definitions

Targeted labour: Unemployed persons who are employed as local labour on the project.

1.2.2 Contract participation goals

1.2.2.1 There is no specified contract participation goal for the contract. The contract participation goal shall be measured in the performance of the contract to enable the employment provided to targeted labour to be quantified.

1.2.2.2 The wages and allowances used to calculate the contract participation goal shall, with respect to both time-rated and task rated workers, comprise all wages paid and any training allowance paid in respect of agreed training programmes.

1.2.3 Terms and conditions for the engagement of targeted labour

Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts shall be entered into with targeted labour.

1.2.4 Terms and conditions for the engagement of targeted labour

Further to the provisions of clause 3.3.2 of SANS 1914-5, written contracts shall be entered into with targeted labour.

1.2.5 Variations to SANS 1914-5

1.2.5.1 The definition for net amount shall be amended as follows:
Financial value of the contract upon completion, exclusive of any value added tax or sales tax which the law requires the employer to pay the contractor.

1.2.5.2 The schedule referred to in 5.2 shall in addition reflect the status of targeted labour as women, youth and persons with disabilities and the number of days of formal training provided to targeted labour.

1.3 Training of targeted labour

1.3.1 The contractor shall provide all the necessary on-the-job training to targeted labour to enable such labour to master the basic work techniques required to undertake the work in accordance with the requirements of the contract in a manner that does not compromise worker health and safety.

1.3.2 The cost of the formal training of targeted labour, will be funded by the local office of the Department of Labour. This training will take place as close to the project site as practically possible. The contractor must access this training by informing the relevant regional office of the Department of Labour in writing, within 14 days of being awarded the contract, of the likely number of persons that will undergo training and when such training is required.

1.3.3 The contractor shall do nothing to dissuade targeted labour from participating in training programmes and shall take all reasonable steps to ensure that each beneficiary is provided with two days of formal training for every 22 days worked.

1.3.4 An allowance equal to 100% of the task rate or daily rate shall be paid by the contractor to workers who attend formal training, in terms of the above.

1.3.5 Proof of compliance with the above requirements must be provided by the Contractor to the Employer prior to submission of the final payment certificate.

GENERIC LABOUR-INTENSIVE SPECIFICATION

1 Scope

This specification establishes general requirements for activities which are to be executed by hand involving the following:

a) trenches having a depth of less than 1.5 metres
b) storm water drainage
c) low-volume roads and sidewalks

2 Precedence

Where this specification is in conflict with any other standard or specification referred to in the Scope of Works to this Contract, the requirements of this specification shall prevail.

3 Hand excavatable material

Hand excavatable material is material:

a) Granular materials:

i) whose consistency when profiled may in terms of table 1 be classified as very loose, loose, medium dense, or dense; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 15 blows of a dynamic cone penetrometer is required to penetrate 100mm;

b) Cohesive materials:

i) whose consistency when profiled may in terms of table 1 be classified as very soft, soft, firm, stiff and stiff / very stiff; or

ii) where the material is a gravel having a maximum particle size of 10mm and contains no cobbles or isolated boulders, no more than 8 blows of a dynamic cone penetrometer is required to penetrate 100mm;

Note:

1) A boulder, a cobble and gravel is material with a particle size greater than 200mm, between 60 and 200mm.

2) A dynamic cone penetrometer is an instrument used to measure the in-situ shear resistance of a soil comprising a drop weight of approximately 10 kg which falls through a height of 400mm and drives a cone having a maximum diameter of 20mm (cone angle of. 60 degrees with respect to the horizontal) into the material being used.

Table 1: Consistency of materials when profiled

GRANULAR MATERIALS		COHESIVE MATERIALS	
CONSISTENCY	**DESCRIPTION**	**CONSISTENCY**	**DESCRIPTION**
Very loose	Crumbles very easily when scraped with a geological pick.	Very soft	Geological pick head can easily be pushed in as far as the shaft of the handle.
Loose	Small resistance to penetration by sharp end of a geological pick.	Soft	Easily dented by thumb; sharp end of a geological pick can be pushed in 30-40 mm; can be moulded by fingers with some pressure.
Medium dense	Considerable resistance to penetration by sharp end of a geological pick.	Firm	Indented by thumb with effort; sharp end of geological pick can be pushed in up to 10 mm; very difficult to mould with fingers; can just be penetrated with an ordinary hand spade.
Dense	Very high resistance to penetration by the sharp end of a geological pick; requires many blows for excavation.	Stiff	Can be indented by thumb-nail; slight indentation produced by pushing geological pick point into soil; cannot be moulded by fingers.
Very dense	High resistance to repeated blows of a geological pick.	Very stiff	Indented by thumb-nail' with difficulty; slight indentation produced by blow of a geological pick point.

4 Trench excavation

All hand excavatable material in trenches having a depth of less than 1,5 metres shall be excavated by hand.

5 Compaction of backfilling to trenches (areas not subject to traffic)

Backfilling to trenches shall be placed in layers of thickness (before compaction) not exceeding 100mm. Each layer shall be compacted using hand stampers

a) to 90% Proctor density;

b) such that in excess of 5 blows of a dynamic cone penetrometer (DCP) is required to penetrate 100 mm of the backfill, provided that backfill does not comprise more than 10% gravel of size less than 10mm and contains no isolated boulders, or

c) such that the density of the compacted trench backfill is not less than that of the surrounding undisturbed soil when tested comparatively with a DCP.

6 Excavation

All hand excavatable material including topsoil classified as hand excavatable shall be excavated by hand. Harder material may be loosened by mechanical means prior to excavation by hand.

The excavation of any material which presents the possibility of danger or injury to workers shall not be excavated by hand.

7 Clearing and grubbing

Grass and small bushes shall be cleared by hand.

8 Shaping

All shaping shall be undertaken by hand.

9 Loading

All loading shall be done by hand, regardless of the method of haulage.

10 Haul

Excavation material shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150 m.

11 Offloading

All material, however transported, is to be off-loaded by hand, unless tipper-trucks are utilised for haulage.

12 Spreading

All material shall be spread by hand.

13 Compaction

Small areas may be compacted by hand provided that the specified compaction is achieved.

14 Grassing

All grassing shall be undertaking by sprigging, sodding, or seeding by hand.

15 Stone pitching and rubble concrete masonry

All stone required for stone pitching and rubble concrete masonry, whether grouted or dry, must be collected, loaded, off loaded and placed by hand.

Sand and stone shall be hauled to its point of placement by means of wheelbarrows where the haul distance is not greater than 150m.

Grout shall be mixed and placed by hand.

16 Manufactured Elements

Elements manufactured or designed by the Contractor, such as manhole rings and cover slabs, precast concrete planks and pipes, masonry units and edge beams shall not individually, have a mass of more than 320kg. In addition, the items shall be large enough so that four workers can conveniently and simultaneously acquire a proper handhold on them.

Annex A: Skills compliance plans

(Normative)

Skills compliance base line plan	
Name of contractor:	
Contact person:	Telephone:
Address:	Cell phone:
	Email:
Contract / order number:	**Start date for contract / order:**
Contract title:	
Contract skills development goal (CSDG) (tick appropriate box) □ **Tendered** / contracted CSDG = ... hours □ Minimum CSDG calculated in accordance with standard	
Minimum CSDG calculated in accordance with the standard (complete only if applicable)	
Contract type (tick appropriate box): □ professional service □ service □ engineering and construction works	**Contract amount** **excl VAT** **R** **Less expenses (if any)** **R** **Less allowances** **R**
CIDB Class of construction works, if applicable	**Contract amount** **R**
Contract amount expressed in millions of Rand R . . . . . m ❶ Number of hours per million Rand expenditure from sub-clause 3.1.2 of the *Standard for developing skills that result in nationally accredited outcomes through infrastructure contracts* = ... ❷ Minimum contract skills development goal which the contractor is required to achieve (Gmin) **=** ❶ x ❷ = ... x . . . . . = ... hours	
I intend achieving the CSDG as follows:	
□ **Method 1:** structured work experience learning component opportunities towards a part or a full occupational qualification	. . . . . hours
□ **Method 2:** structured work experience learning opportunities for apprentices or other artisan learners	. . . . . hours
□ **Method 3:** work integrated learning opportunities for University of Technology or Comprehensive University national diploma students	. . . . . hours
□ **Method 4:** structured work experience opportunities for candidates towards registration in a professional category of registration	. . . . . hours
Total	. . . . . hours
The undersigned, who warrants that he / she is duly authorized to do so on behalf of the Contractor, confirms that the contents of this plan are within my personal knowledge and are to the best of my belief both true and correct.	

Signed	Date
Name	Position

Skills compliance report (tick appropriate box)			**Date:**		□ **Interim report**		□ **Final report**	
Name of contractor:								
Contact person:					Telephone			
Address:					Cell phone			
					email			
Contract / order number:					**Start date for contract / order:**			
Contract title:								
Contract skills development goal (CSDG) . . . . . hours								
Method 1: structured workplace experience learning component opportunities towards a part or a full occupational qualification								
Employed by contractor								
Name	**Identity or passport number**	**Cell or telephone number**	**Part or full occupational qualification NQF ref. no.**	**Student number**	**SETA with whom learner is registered**	**Dates for engagement on work related to contract**		**Total hours**
						Start	**End**	
Employed by subcontractor: (state name)								
Name	**Identity or passport number**	**Cell or telephone number**	**Part or full occupational qualification NQF ref. no.**	**Student number**	**SETA with whom learner is registered**	**Dates for engagement on work related to contract**		**Total hours**
						Start	**End**	
Method 2: structured work experience learning component opportunities for apprentices or other artisan learners								
Employed by contractor								
Name	**Identity or passport number**	**Cell or telephone number**	**Listed trade**	**National artisan learner data base registration number (where available)**	**SETA with whom the learner is registered**	**Dates for engagement on works related to contract**		**Total hours**
						Start	**End**	
Employed by subcontractor: (state name)								
Name	**Identity or passport number**	**Cell or telephone number**	**Listed trade**	**National artisan learner data base registration number**	**SETA with whom the learner is registered**	**Dates for engagement on works related to contract**		**Total hours**
						Start	**End**	

				(where available)				

Method 3: work integrated learning opportunities for University of Technology (UOT) or Comprehensive University (CU) diploma students

Employed by contractor

Name	**Identify or passport number**	**Cell or telephone number**	**Diploma**	**Learner registration number**	**UOT/CU with whom the learner is registered**	**Date for engagement on contract**		**Total hours**
						Start	**End**	

Employed by sub-contractor

Name	**Identify or passport number**	**Cell or telephone number**	**Diploma**	**Learner registration number**	**UOT/CU with whom the learner is registered**	**Date for engagement on contract**		**Total hours**

Method 4: structured work experience opportunities for candidates towards registration in a professional category of registration

Employed by contractor

Name	**Identity or passport number**	**Cell or telephone number**	**Statutory council particulars**		**Dates for engagement on work related to contract**		**Total hours**
			Title	**Registration number**	**Start**	**End**	

Employed by subcontractor

Name	**Identity or passport number**	**Cell or telephone number**	**Statutory council particulars**		**Dates for engagement on work related to contract**		**Total hours**
			Title	**Registration number**	**Start**	**End**	

The undersigned, who warrants that he / she is duly authorized to do so on behalf of the Contractor, confirms that the contents of this plan are within my personal knowledge and are to the best of my belief both true and correct.

Signed	Date
Name	Position

Annex B: Incorporating this specification in a procurement document

B1 General

B1.1 The following clause should be added to the scope of work of a contract or order to establish requirements:

Skills development requirements

The contractor shall achieve in the performance of the contract the contract skills development goal established in the Department of Higher Education and Training's *Standard for developing skills that result in nationally accredited outcomes through infrastructure contracts (September 2012)*

Note: The term contractor may need to be changed to "consultant" or "professional service provider" depending upon the term that is used in the form of contract that is adopted. The term "performance of the contract" may need to be replaced with "execution of an order" where the scope of work forms part of an order.

B1.2 Where an employer requires that employees of the state be seconded to the contractor in order to be provided with work integrated learning opportunities, structured workplace experience opportunities or structured mentorship opportunities in accordance with the provisions of this standard, the following clause should be included in the scope of work:

The specified proportion of employees of the state is . . . . . %. Work integrated learning opportunities / structured workplace experience opportunities / structured mentorship opportunities shall be offered to any of the persons identified in Annexure 1. Persons selected by the contractor from the list in Annexure 1 shall be seconded to the contractor under the following terms and conditions:
. . . . . .

NOTE: The annexure should inform the contractor of the opportunities which the named employees of the state require through the contract or order in order to attain a nationally accredited outcome.

B2 Financial incentives

Financial incentives may be offered to contractors should they exceed a key performance indicator (KPI) in the performance a contract in the form of a contract skills development goal in accordance with the requirements of this standard which can be agreed to either through a negotiation process before or after a contract or order is awarded.

Financial incentives should not be confused for preferences for rewarding contactors for offering to achieve a deliverable and a financial penalty (low performance damages) for failing to deliver on obligations. The intention for offering financial incentives for the attainment of KPIs is to encourage, rather than coerce, the contractor to meet and exceed the employer's objectives.

Financial incentives can be formulated in a number of ways. The most common way is to make them linearly proportional to increases in contract participation goals. Stepped incentives may also be used. Consideration should be given to capping the quantum of the financial incentive.

Option X20 (Key Performance Indicators) of the NEC3 Engineering and Construction Contract, NEC3 Professional Service Contract and the NEC3 Term Service Contract makes provision for a contractor to be paid an amount stated in an incentive schedule if the target stated for a key performance indicator is improved upon or achieved.

Additional conditions of contact need to be framed and included in the contract data where use is made of other forms of contract.

Note: Financial incentives are usually used where tenderers are not invited to tender contract skills development goals, but are required to accept a minimum contract skills development goal and are rewarded for performance beyond the minimum.

B3 Sanctions

Sanctions should be provided for in the contract in the event that the contractor fails to substantiate that any failure to achieve the contract participation goal was due to quantitative under runs, the elimination of items, or any other reason beyond the contractor's control which may be acceptable to the employer.

Appropriate action should be taken by employers against tenderers who are awarded contracts in preference to others on a fraudulent basis or against contractors who fail to achieve their contractual obligations relating to the development of skills. Employers have a number of sanctions and contractual remedies available to address such situations, including the in position of a financial penalty (low performance damages) more severe than the financial preference calculated at the time when tenders were evaluated or more severe than complying with contractual obligations or not awarding future orders in terms of framework agreements.

PART C2.3: BILLS OF QUANTITIES

BILL 1. PRELIMINARY AND GENERAL						
MAINTENANCE / REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI DISTRICT FOR A PERIOD OF 2 YEARS						
Item	**Description**	**Unit**	**Qty**	**Rate**		**Amount**
				Material	**Labour**	**R**
1.1	Allow for **transport costs** with regards to site establishment, monthly inspections, monthly meetings, supervision, acquiring material, etc.	no	1			
1.2	**Health and Safety Plan**					
	Compliance with OHS Act and Construction Regulations 2003. E.g. provide a Health and Safety Plan in accordance with the OHS Act Construction Regulations, conduct H & S meetings and submit minutes, report on compliance with H & S Plan, appoint H & S officer and manage H & S Plan for the duration of the contract.	no	1			
1.3	**SECURITY**					
	Allow for expenses to provide the **security** as specified for the duration of the contract.	no	1			
1.4	**MANAGEMENT**					
	Allow for the **management** of this contract in terms of this Specification. E.g. programming, sequence of the work, report on progress and completion of individual services progress meetings, submission of payment claims, liaison with user department personnel, etc.	no	1			
1.5	**STORES**					
	Allow to provide a safe and adequate secure locked storage space for all material brought to site during the duration of the contract (24 Months).	no	1			
1.6	**COMMUNICATION**	no	1			

1.7	**CLEANING AND RESTORATION OF SITE**	no	1			
1.8	**IDENTIFICATION AND REMOVAL OF MATERIAL**					
	Allow for working in a security area as well as permits and identification of personnel as well as control of material to be removed from site for the duration of the contract. (24 Months)	no	1			
TOTAL OF BILL NO. 1 CARRIED FORWARD TO THE SUMMARY PAGE						
BILL 2. CABLES AND ACCESSORIES						
MAINTENANCE / REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI REGION FOR A PERIOD OF 24 MONTHS						
Item	**Description**	**Unit**	**Qty**	**Rate**		**Amount**
				Material	**Labour**	**R**
2.1	**LOW VOLTAGE CABLE**					
	Replace, test and commission the following 1000V PVC/SWA/PVC copper cables. Prices shall allow for the installation of cables in cable ducts, through sleeves, conduits or installation against vertical and horizontal levels (e.g. walls, poles etc.) but shall not include the various cable ends, trenches or the back-filling of trenches (where necessary)					
2.1.1	35mm² x 4-core	m	1			
2.1.2	25mm² x 4-core	m	1			
2.1.3	16mm² x 4-core	m	1			
2.1.4	16mm² x 3-core	m	1			
2.1.5	10mm² x 4-core	m	1			
2.1.6	10mm² x 3-core	m	1			
2.1.7	6mm² x 4-core	m	1			
2.1.8	6mm² x 3-core	m	1			
2.1.9	4mm² x 4-core	m	1			
2.1.10	4mm² x 3-core	m	1			
2.1.11	2,5mm² x 4-core	m	1			
2.1.12	2,5mm² x 3-core	m	1			
2.1.13	1,5mm² x 4-core	m	1			

2.1.14	1,5mm² x 3-core	m	1			
2.2	**LOW VOLTAGE CABLE TERMINATION**					
	Terminate the following 1 000V PVC/SWA/PVC cable including a new cable gland with shroud according to the manufacturer's instructions. Provide the cores with lugs and bolt onto terminals. The cable gland and marking of the cable shall also be allowed for.(where necessary)					
2.2.1	35mm² x 4-core	no	1			
2.2.2	25mm² x 4-core	no	1			
2.2.3	16mm² x 4-core	no	1			
2.2.4	16mm² x 3-core	no	1			
2.2.5	10mm² x 4-core	no	1			
2.2.6	10mm² x 3-core	no	1			
2.2.7	6mm² x 4-core	no	1			
2.2.8	6mm² x 3-core	no	1			
2.2.9	4mm² x 4-core	no	1			
2.2.10	4mm² x 3-core	no	1			
2.2.11	2,5mm² x 4-core	no	1			
2.2.12	2,5mm² x 3-core	no	1			
2.2.13	1,5mm² x 4-core	no	1			
2.2.14	1,5mm² x 3-core	no	1			
2.3	**LOW VOLTAGE CABLE JOINTS**					
	Joint the following 1 000V PVC/SWA/PVC cables with an epoxy jointing kit in accordance with the manufacturer's instructions.					
2.3.1	35mm² x 4-core	no	1			
2.3.2	25mm² x 4-core	no	1			
2.3.3	16mm² x 4-core	no	1			
2.3.4	16mm² x 3-core	no	1			
2.3.5	10mm² x 4-core	no	1			
2.3.6	10mm² x 3-core	no	1			

2.3.7	6mm² x 4-core	no	1			
2.3.8	6mm² x 3-core	no	1			
2.3.9	4mm² x 4-core	no	1			
2.3.10	4mm² x 3-core	no	1			
2.3.11	2,5mm² x 4-core	no	1			
2.3.12	2,5mm² x 3-core	no	1			
2.3.13	1,5mm² x 4-core	no	1			
2.4	**DISCONNECT SUPPLY CABLE**					
	Switch off and disconnect the following existing three or single phase supply cable. Make safe and tidy afterwards.					
2.4.1	50mm² -120mm²	no	1			
2.4.2	16mm² -35mm²	no	1			
2.4.3	1,5mm² -10mm²	no	1			
2.5	**CABLE PROTECTION KICKER PIPES**					
	Replace the following 2.5m long **galvanized** cable protection kicker pipe against a wall, pole, etc. Including fixing with rust proof saddles and brass screws.					
2.5.1	75mm dia	no	1			
2.5.2	50mm dia	no	1			
2.5.3	40mm dia	no	1			
2.5.4	32mm dia	no	1			
2.5.5	25mm dia	no	1			
2.5.6	20mm dia	no	1			
2.6	**EARTHING**					
2.6.1	Test an existing earth at a **transformer or distribution kiosk** and submit an earth reading.	no	1			
2.6.2	Provide and install a 1,5m earth electrode, according to the specification, with integrated clamp, to a depth of 600mm below final ground level. (only if existing earth is not adequate)	m.	1			

2.6.3	Provide and install 70mm sq. earth wire with earth electrodes. (only if existing earth is not adequate)	m	1			
2.7	**BARE COPPER EARTH WIRES**					
	Provide and install the following bare copper earth wires through cable sleeves, conduits, and in cable trenches or against vertical and horizontal levels with the relevant cables.					
2.7.1	70mm²	m	1			
2.7.2	50 mm²	m	1			
2.7.3	35 mm²	m	1			
2.7.4	25 mm²	m	1			
2.7.5	16 mm²	m	1			
2.7.6	10 mm²	m	1			
2.7.7	6 mm²	m	1			
2.8	**CABLE TRENCHES**					
	Excavate and back-fill cable trenches, 300mm wide x 650mm deep, as per specification. (Including soft bedding layer around cable).					
2.8.1	Earth (Pickable) **- 1000x300x650mm**	m	1			
2.8.2	Soft rock (Pneumatic) **- 1000x300x500mm**	m	1			
2.8.3	Hard rock (Blasting) **- 1000x300x250mm**	m	1			
2.8.4	Soft soil backfilling material - sifted / imported	cub m	1			
2.8.5	Excavate and open existing LV cables. After cable changes backfill in accordance with the specification.	m	1			
2.8.6	Price for excavation to remove an existing 7 to 11m pole including backfill, compaction and tidying afterwards.	m	1			

2.9	**CABLE MARKER TAPE**					
	Provide and install cable marker tape above cables, 300mm below finished ground level.	m	1			
2.10	**CONFIRM EXISTING CABLE ROUTE**					
	Price to confirm an existing MV or LV supply cable route and position on site with a thumper / cable detector. Price for operator and testing equipment per hour.	m	1			
2.11	**CONFIRM CABLE FAULT**					
	Price to confirm the cable fault on an existing MV or LV cable (When required) **Price per hour spent on site - including test equipment - travelling measured elsewhere.**	Hr.	1			
2.12	**PVC SLEEVES**					
	Provide and install the following sleeves in the ground. (Excavations measured elsewhere.). Cable sleeves for electrical installations shall be black and of the KABELFLEX type. (green sleeves for communication).					
2.12.1	160mm dia	m	1			
2.12.2	110mm dia	m	1			
2.12.3	75mm dia	m	1			
2.13	**SLOW BENDS**					
	Provide and install the following slow bends through a wall and floor. Excavation measured elsewhere.					

2.13.1	110mm dia PVC. slow bends.	no	1			
2.13.2	75mm dia PVC slow bends.	no	1			
2.13.3	50mm dia PVC slow bends.	no	1			
2.13.4	40mm dia PVC slow bends.	no	1			
2.13.5	32mm dia PVC slow bends.	no	1			
2.13.6	25mm dia PVC slow bends.	no	1			
2.14	**SEAL CABLE SLEEVES**					
	Seal off cable sleeve ends after the installation of the cables with a non-hardening product like Polyurethane.	no	1			
2.15	**SERVICE AND TIDY EXISTING DISTRIBUTION KIOSK**					
2.15.1	Tidy, strap cables and wiring, remove unused wiring, make unconnected conductors safe and label, check and tighten al switchgear connections, fix switchgear to mounting rails, provide cable label, provide switchgear labels, clean inside and around kiosk and oil kiosk hinges. Provide and install danger signs.	no	1			
2.15.2	Clean sand paper and **spray paint** an existing distribution kiosk.	no	1			
2.15.3	Provide and install a hasp and staple at a distribution kiosk.	no	1			
2.15.4	Provide and install a key alike lock for a distribution kiosk. (Viro Type 50mm)	no	1			
2.16	**METERING EQUIPMENT**					
	In an existing Meter/distribution kiosk or distribution board provide, install, test and commission an ABB Vision 5A	no	1			

	electronic meter complete as per Eskom and detail specification.					
2.17	**STREET LIGHT CONTROL**					
	Replace an existing street light control circuit in a distribution kiosk or distribution board consisting of a 3 phase MCB, single phase MCB, contactor, photocell or timer terminals and by-pass switch.	no	1			
	Replace an existing street light installation timer.	no	1			
2.18	**STREET LIGHT POLE**					
	Provide and install the following hot dipped galvanized streetlight poles in accordance with the specification of existing 90mm x 90mm outside **diameter.** Planting of the pole shall be as per existing.					
2.18.1	3m mounting height	item	1			
2.18.2	10m mounting height	item	1			
2.18.3	11m mounting height	item	1			
2.19	**POLE CAPS**					
	Provide and install the following pole caps as per the pole and light fitting supplier's specification.					
2.19.1	Pole cap for two streetlight fittings mounted horizontal.	no	1			
2.19.2	Pole cap for a single streetlight fitting mounted at 15°	no	1			
2.20	**STREETLIGHT POLE WIRING**					
2.20.1	Provide and install streetlight pole wiring as per the existing specification and suppliers requirements.	no	1			

2.21	**EXCAVATION AND BACKFILLING FOR A STREET LIGHT POLE**					
2.21.1	Price for excavation and backfilling of a street light pole (+-1,5m). Back filling shall be compacted in 150mm layers.	no	1			
2.22	**CABLE MARKER**					
2.22.1	Provide and install concrete cable route markers - 300mm high, 150mm x 150mm at the top and 250 x 250mm at the bottom.	no	1			

2.23	**TRAILING CABLES**					
	Replace existing or install, test and commission the following new 1000V unarmoured PVC insulated copper (trailing) cables. Prices shall allow for the installation of the cables in conduits, sleeves or installation against vertical and horizontal levels (e.g. wall etc.) but shall not include the various cable ends.					
2.23.1	2.5mm² x 4 core (trailing)	m	1			
2.23.2	2.5mm² x 7 core (trailing)	m	1			
2.23.3	4.0mm² x 4 core (trailing)	m	1			
2.23.4	6.0mm² x 4 core (trailing)	m	1			
2.23.5	10mm² x 3 core (trailing)	m	1			
Terminate and make off the following unarmoured PVC insulated copper (trailing) cables in a cable gripper gland according to the manufacturer's specification. Provide the cores with lugs and bolt onto terminals. The PVC gland and marking of the cable shall also be allowed for here.						
2.23.6	2.5mm² x 4 core (trailing)	no.	1			
2.23.7	2.5mm² x 7 core (trailing)	no	1			
2.23.8	4.0mm² x 4 core (trailing)	no	1			
2.23.9	6.0mm² x 3 core (trailing)	no	1			
2.23.10	10mm² x 3 core (trailing)	no	1			
2.24	**SCREENED WIRING**					
	Replace existing or install, test and commission the following new Surfix type wiring.					
2.24.1	1,5mm² x 2 core + E - Surfix	m	1			
2.24.2	1,5mm² x 4 core + E - Surfix	m	1			
2.24.3	2,5mm² x 2 core + E - Surfix	m	1			
2.24.4	2,5mm² x 4 core + E - Surfix	m	1			
2.24.5	4mm² x 2 core + E - Surfix	m	1			
2.24.6	4mm² x 4 core + E - Surfix	m	1			

Terminate and make off the following Surfix copper cables in a cable gripper gland according to the manufacturer's specification. Provide the cores with lugs and bolt onto terminals. The PVC glands and marking of the cable shall also be allowed for here.						
2.24.7	1,5mm² x 2 core + E - Surfix	no	1			
2.24.8	1,5mm² x 4 core + E - Surfix	no	1			
2.24.9	2,5mm² x 2 core + E - Surfix	no	1			
2.24.10	2,5mm² x 4 core + E - Surfix	no	1			
2.24.11	4mm² x 2 core + E - Surfix	no	1			
2.24.12	4mm² x 4 core + E - Surfix	no	1			
2.25	**FLAT TWIN AND EARTH WIRING**					
	Replace existing or install, test and commission the following new flat twin and earth type wiring.					
2.25.1	1,5mm² x 2 core + E - twin and earth	m	1			
2.25.2	2,5mm² x 2 core + E - twin and earth	m	1			
2.25.3	4mm² x 2 core + E - twin and earth	m	1			
Terminate and make off the following flat twin and earth type wiring in a cable gripper gland according to the manufacturer's specification. Provide the cores with lugs and bolt onto terminals. The PVC glands and marking of the cable shall also be allowed for here.						
2.25.4	1,5mm² x 2 core + E - twin and earth	no	1			
2.25.5	2,5mm² x 2 core + E - twin and earth	no	1			
2.25.6	4mm² x 2 core + E - twin and earth	no	1			
2.26	**CABTYRE FLEX**					
	Replace existing or provide, install, test and commission the following new Cabtyre flex type wiring.					
2.26.1	1,0 mm² x 3 core (2 + E)	m	1			
2.26.2	1,5 mm² x 3 core (2 + E)	m	1			
2.26.3	1,5 mm² x 5 core (4 + E)	m	1			
2.26.3	2,5 mm² x 3 core (2 + E)	m	1			
2.26.4	2,5 mm² x 5 core (4 + E)	m	1			
2.26.5	2.5 mm² x 7 core (6 + E)	m	1			
	TOTAL BILL 2 – CARRY FORWARD TO SUMMARY				**R**	

BILL 3. DISTRIBUTION BOARDS AND SWITCHGEARS						
MAINTENANCE / REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI REGION FOR A PERIOD OF 24 MONTH						
Item	**Description**	**Unit**	**Qty**	**Rate**		**Amount**
				Material	**Labour**	**R**
3.1	**TIDY DISTRIBUTION BOARDS**					
	For the following sizes of distribution boards: Tidy, strap cables and wiring, remove unused wiring, make unconnected conductors safe and label, check and tighten al switchgear connections, fix switchgear to mounting rails, provide cable label, provide switchgear labels, clean inside distribution board and oil hinges and locking mechanisms. Balance three phase load. Provide danger signs.					
3.1.1	**Tidy distribution board:** Up to 24 way 13mm	no.	1			
3.1.2	Tidy distribution board: Up to 36 way 13mm	no	1			
	Tidy distribution board: Up to 36 way 3-phase 13mm	no	1			
3.1.3	Tidy distribution board: Up to 60 way 3-phase 13mm	no	1			
3.1.4	Tidy distribution board: Up to 144 way 3-phase 13mm	no	1			
3.2	**KIOSK/DB FRONT PANELS**					
	Replace a front panel fixed with fixing screws or studs, including machined cut outs and label rails, for the following distribution board or distribution kiosk sizes.					
3.2.1	Replace a front panel: Up to 24 way 13mm	no	1			

3.2.2	Replace a front panel: Up to 36 way 13mm	no	1			
3.2.3	Replace a front panel: Up to 36 way 3-phase 13mm	no	1			
3.2.4	Replace a front panel: Up to 60 way 3-phase 13mm	no	1			
3.2.5	Replace a front panel: Up to 144 way 3-phase 13mm	no	1			
3.3	**CLEAN AND PAINT AN EXISTING DISTRIBUTION BOARD**					
	Clean, sandpaper and **spray paint** an existing distribution board.	m²	1			
3.4	**HASP AND STAPLE**					
	Provide and install a hasp and staple at a distribution board.	no	1			
3.5	**KEY-ALIKE LOCK**					
	Provide and install a key-alike lock for a distribution board. (50mm Viro Type)	no	1			
3.6	**CHECK DISTRIBUTION BOARD EARTH**					
	Check Earthing at each distribution board and provide a written report.	no	1			
3.7.0	**SWITCHGEAR**					
	Replace an existing or provide and install in an existing or new distribution board or distribution kiosk and connect, test and commission the following switchgear to wiring. Switchgear to be installed shall match existing. All DB cover plates should close. (Safety).					
3.7	**CIRCUIT BREAKERS**					
	The following circuit breakers of the same type as the existing (all types). A **minimum of 5kA fault level** except					

	where indicated differently. The following 5kA **din rail or mini rail** mounted circuit breakers - **Curve 2** - **single space** (**avoid to use single space circuit breakers**)					
3.7.1	1A, 2A 1P 5kA - din rail or mini rail, Curve 2 - single space - **13mm**	no	1			
3.7.2	5A to 25A 1P 5kA - din rail or mini rail, Curve 2 - single space - **13mm**	no	1			
3.7.3	1-PHASE+NEUTRAL - 10A to 25A 5kA - din rail or mini rail, Curve 2 - **single space - 26mm**	no	1			
3.7.4	10A to 25A 2P 5kA - din rail or mini rail, Curve 2 - single space - **26mm**	no	1			
3.7.5	10A to 25A 3P 5kA - din rail or mini rail, Curve 2 - single space - **39mm**	no	1			
3.7.6	The following **din rail or mini rail** mounted circuit breakers - **Curve 1** single space	no	1			
3.7.7	10A to 25A 1P 5kA - din rail or mini rail, Curve 1 - single space - **13mm**	no	1			
3.7.8	10A to 25A 3P 5kA - din rail or mini rail, Curve 1 - single space - **39mm**	no	1			
3.7.9	The following **din rail or mini rail** mounted circuit breakers - **Curve 2** - **double** space	no	1			
3.7.10	1A, 2A 1P 5kA - din rail or mini rail, Curve 2 - double space - **26mm**	no	1			
3.7.11	5A to 63A 1P 5kA - din rail or mini rail, Curve 2 - double space - **26mm**	no	1			
3.7.12	80A to 100A 1P 5kA - din rail or mini rail, Curve 2 - double space - **26mm**	no	1			
3.7.13	10A to 63A 2P 5kA - din rail or mini rail, Curve 2 - double space - **52mm**	no	1			

3.7.14	1-PHASE +NEUTRAL - 10A to 63A 5kA - din rail or mini rail, Curve 2 - double space - **52mm**	no	1			
3.7.15	10A to 63A 3P 5kA - din rail or mini rail, Curve 2 - double space - **78mm**	no.	1			
3.7.16	80A 3P 5kA - din rail or mini rail, Curve 2 - double space - **78mm**	no	1			
3.7.17	100A 3P 5kA - din rail or mini rail, Curve 2 - double space - **78mm**	no	1			
The following **din rail or mini rail** mounted circuit breakers - **Curve 1** - **double** space						
3.7.18	10A to 63A 1P 5kA - din rail or mini rail, Curve 1 - double space - **26mm**	no	1			
3.7.19	80A 1P 5kA - din rail or mini rail, Curve 1 - double space - **26mm**	no	1			
3.7.20	10A to 63A 3P 5kA - din rail or mini rail, Curve 1 - double space - **78mm**	no	1			
3.7.21	80A 3P 5kA - din rail or mini rail, Curve 1 - double space - **78mm**	no	1			
3.7.22	100A 3P 5kA - din rail or mini rail, Curve 1 - double space - **78mm**	no	1			
The following **surface mounted** circuit breakers - **Curve 2** - **double space**						
3.7.23	10A to 60A 1P 5kA - surface, Curve 2 - double space - **26mm**	no	1			
3.7.24	70A to 100A 1P 5kA - surface, Curve 2 - double space - **26mm**	no	1			
3.7.25	10A to 60A 3P 5kA - surface, Curve 2 - double space - **78mm**	no	1			
3.7.26	70A & 80A 3P 5kA - surface, Curve 2 - double space - **78mm**	no	1			
3.7.27	90A & 100A 3P 5kA - surface, Curve 2 - double space - **78mm**	no	1			
The following **surface mounted** circuit breakers - **Curve 1 - double space**						

3.7.28	10A to 60A 1P 5kA - surface, Curve 1 - double space - **26mm**	no	1			
3.7.29	70A & 80A 1P 5kA - surface, Curve 1 - double space - **26mm**	no	1			
3.7.30	90A & 100A 1P 5kA - surface, Curve 1 - double space - **26mm**	no	1			
3.7.31	10A to 60A 3P 5kA - surface, Curve 1 - double space - **78mm**	no	1			
3.7.32	70A & 80A 3P 5kA - surface, Curve 1 - double space - **78mm**	no	1			
3.7.33	90A & 100A 3P 5kA - surface, Curve 1 - double space - **78mm**	no	1			
The following **10kA mini rail** mounted circuit breakers - **Curve 2** - **double space**						
3.7.34	10A to 60A 1P 10kA - mini rail, Curve 2 - double space - **26mm**	no	1			
3.7.35	70A & 80A 1P 10kA - mini rail, Curve 2 - double space - **26mm**	no	1			
3.7.36	1-PHASE +NEUTRAL - 10A to 60A 10kA - mini rail, Curve 2 - double space - **52mm**	no	1			
3.7.37	10A to 60A 3P 10kA - mini rail, Curve 2 - double space - **78mm**	no	1			
3.7.38	70A & 80A 3P 10kA - mini rail, Curve 2 - double space - **78mm**	no	1			
3.7.39	100A 3P 10kA - mini rail, Curve 2 - double space - **78mm**	no	1			

The following **mini rail** mounted circuit breakers - **Curve 1** - **double space**						
3.7.40	10A to 60A 1P **10kA** - mini rail, Curve 1 - double space - 26mm	no	1			
3.7.41	70A & 80A 1P **10kA** - mini rail, Curve 1 - double space - **26mm**	no	1			
3.7.42	10A to 60A 3P **10kA** - mini rail, Curve 1 - double space - **78mm**	no	1			
3.7.43	70A to 100A 3P **10kA** - mini rail, Curve 1 - double space - **78mm**	no	1			
The following 15kA thermal magnetic surface mounted moulded case circuit breakers - use in panels out of direct sun e.g. in buildings						
3.7.44	15A to 60A 1P 15kA - thermal magnetic	no	1			
3.7.45	70A to 100A 1P 15kA - thermal magnetic	no	1			
3.7.46	15A to 60A 3P 15kA - thermal magnetic	no	1			
3.7.47	70A to 100A 3P 15kA - thermal magnetic	no	1			
3.7.48	125A 3P 15kA - thermal magnetic	no	1			
3.7.49	150A to 160A 3P 15kA - thermal magnetic	no	1			
3.7.50	175A to 225A 3P 15kA - thermal magnetic	no	1			
The following 20kA hydraulic magnetic surface mounted moulded case circuit breakers - use in panels in direct sun e.g. in kiosks						
3.7.51	300A 3P 20kA - hydraulic magnetic	no	1			
3.7.52	350A & 400A 3P 20kA - hydraulic magnetic	no	1			
	450A & 500A 3P 20kA - hydraulic magnetic	no	1			
	600A 3P 20kA - hydraulic magnetic	no	1			
The following 25kA **thermal magnetic** surface mounted moulded case circuit breakers - use in panels out of direct sun e.g. in buildings						
3.7.53	15A to 60A 1P 25kA - surface thermal magnetic	no	1			

3.7.54	70A to 100A 1P 25kA - surface thermal magnetic	no	1			
3.7.55	15A to 60A 3P 25kA - surface thermal magnetic	no	1			
3.7.56	70A to 100A 3P 25kA - surface thermal magnetic	no	1			
3.7.57	125A 3P 25kA - surface thermal magnetic	no	1			
3.7.58	150A to 160A 3P 25kA - surface thermal magnetic	no	1			
3.7.59	175A to 225A 3P 25kA - surface thermal magnetic	no	1			
3.7.60	250A 3P 25kA - surface thermal magnetic	no	1			
	300A to 400A 3P 25kA surface thermal magnetic	no	1			
The following 25kA **hydraulic magnetic** surface mounted moulded case circuit breakers - use in panels in direct sun - e.g. kiosks						
3.7.61	15A to 60A 3P 25kA - hydraulic magnetic	no	1			
3.7.62	70A to 100A 3P 25kA - hydraulic magnetic	no	1			
3.7.63	125A 3P 25kA - hydraulic magnetic	no	1			
3.7.64	150A 3P 25kA - hydraulic magnetic	no	1			
3.7.65	160A to 200A 3P 25kA - hydraulic magnetic	no	1			
3.7.66	225A 3P 25kA - hydraulic magnetic	no	1			
3.7.67	250A 3P 25kA - hydraulic magnetic	no	1			
The following surface mounted adjustable moulded case circuit breakers						
3.7.68	300A to 630A, 35kA	no	1			
3.7.69	400A to 800A, 35kA min	no	1			
3.8	**ISOLATORS / SWITCH DISCONNECTORS**					
	The following **din or mini rail mounted** isolators/switch					

	disconnectors of the same type as the existing (all types). A minimum of 5kA fault level except where indicated differently.					
3.8.1	63A 2P **5kA** - din or mini rail - single space **26mm**	no	1			
3.8.2	63A 2P **5kA** - din or mini rail - double space **52mm**	no	1			
3.8.3	100A 2P **5kA** - din or mini rail - double space **52mm**	no	1			
3.8.4	63A 3P **5kA** - din or mini rail - single space **39mm**	no	1			
3.8.5	63A 3P **5kA** - din or mini rail - double space **78mm**	no	1			
3.8.6	100A 3P **5kA** - din or mini rail - double space **78mm**	no	1			
3.8.7	60A 2P **10kA** - din or mini rail - double space **52mm**	no	1			
3.8.8	100A 2P **10kA** - din or mini rail - double space **52mm**	no	1			
3.8.9	60A 3P **10kA** - din or mini rail - double space **78mm**	no	1			
	100A 3P **10kA** - din or mini rail - double space **78mm**	no	1			
The following **surface mounted isolators/switch disconnectors** of the same type as the existing (all types).						
3.8.10	250A 3P **20kA** - surface mounted	no	1			
3.8.11	300A 3P **20kA** - surface mounted	no	1			
3.8.12	400A 3P **20kA** - surface mounted	no	1			
3.8.13	450A 3P **20kA** - surface mounted	no	1			
3.8.14	500A 3P **20kA** - surface mounted	no	1			
3.8.15	600A 3P **20kA** - surface mounted	no	1			

3.9	**PHOTO CELL BY-PASS SWITCH**					
3.9.1	Photo-cell by-pass switch 5kA (Test switch) single space 13mm - din or mini rail mounted.	no	1			
3.9.2	Photo-cell by-pass switch 5kA (Test switch) double space 26mm - din or mini rail mounted.	no	1			
3.9.3	Photo-cell by-pass switch 10A, 1-Pole 5kA MCB (Test switch) double space 26mm - surface mounted in distribution board **behind the front panel.**	no	1			
3.10	**EARTH LEAKAGE UNITS**					
3.10.1	30mA, **three** phase earth leakage 60A isolator type 5kA - single space **78mm**.	no	1			
3.10.2	30mA, **three** phase earth leakage 80A isolator type 5kA - double space **117mm**.	no	1			
3.10.3	30mA, **single** phase earth leakage 60A isolator type 5kA - single space **26mm**.	no	1			
3.10.4	30mA, **single** phase earth leakage 60A/100A isolator type 5kA - double space **65mm**.	no	1			
3.11	**CIRCUIT BREAKER SPACE BLANK PLATES**					
	Provide and install a circuit breaker space blank plate.	no	1			
3.12	**CONTACTORS**					
	Replace an existing or provide and install a new surface mounted contactor except where indicated differently as per specification in an					

	existing or new board. The unit shall include the contactor, contactor coil 230/400V plus normally open and normally closed auxiliary contacts as indicated					
3.12.1	630A 3P **AC3** rating - 2 x n/o & 2 x n/c aux. contact	no	1			
3.12.2	400 - 450A 3P **AC3** rating - 2 x n/o & 2 x n/c aux. contact	no	1			
3.12.3	310 - 320A 3P **AC3** rating - 2 x n/o & 2 x n/c aux. contact	no	1			
3.12.4	250 - 265A 3P **AC3** rating - 2 x n/o & 2 x n/c aux. contact	no	1			
3.12.5	150A 3P **AC3** rating - 2 x n/o & 2 x n/c aux. contact	no	1			
3.12.6	95 - 105A 3P **AC3** rating - 2 x n/o & 2 x n/c aux. contact	no	1			
3.12.7	80-85 A 3P **AC3** rating - 2 x n/o & 2 x n/c aux. contact	no	1			
3.12.8	60 - 65A 3P **AC3** rating - 2 x n/o & 2 x n/c aux. contact	no	1			
3.12.9	30 - 32A 3P **AC3** rating - 2 x n/o & 2 x n/c aux. contact	no	1			
3.12.10	20 - 25A 3P **AC3** rating - 1 x n/o & 1 x n/c aux. contact	no	1			
3.12.11	15A - 16A 3P **AC3** rating - 1 x n/o & 1 x n/c aux. contact	no	1			
3.12.12	10 - 12A 3P **AC3** rating - 1 x n/o & 1 x n/c aux. contact	no	1			
3.12.13	10 - 20A 3P **AC1** rating surface, mini rail or din rail mounted - 1 x n/o & 1 x n/c aux. contact	no	1			
3.13	**CONTACTOR COILS**					
	Replace an existing or provide and install in an					

	existing or new distribution board the following 24V DC, 110V AC, 230V AC, 380V AC or 400V AC contactor coils in an existing contactor - including testing and commissioning.					
3.13.1	630A 3P	no	1			
3.13.2	400 - 450A	no	1			
3.13.3	310 - 320A 3P	no	1			
3.13.4	250 - 265A 3P	no	1			
3.13.5	150A 3P	no	1			
3.13.6	95 - 105A 3P	no	1			
3.13.7	80-85 A 3P	no	1			
3.13.8	60 - 65A 3P	no	1			
3.13.9	30 - 32A 3P	no	1			
3.13.10	20 - 25A 3P	no	1			
3.13.11	15A - 16A 3P	no	1			
3.13.12	10 - 12A 3P	no	1			
3.14	**CONTACT KIT FOR CONTACTORS**					
	Provide, deliver, install, test and commission the following contacts (full kit) in an existing contactor.					
3.14.1	630A 3P	no	1			
3.14.2	400 - 450A 3P	no	1			
3.14.3	310 - 320A 3P	no	1			
3.14.4	250 - 265A 3P	no	1			
3.14.5	150A 3P	no	1			
3.14.6	95 - 105A 3P	no	1			
3.14.7	80-85 A 3P	no	1			
3.14.8	60 - 65A 3P	no	1			
3.15	**TIMER**					
	Replace an existing or provide and install a new rail mounted timer with 24Hr reserve in an existing or new board.	no.	1			

3.16	**SURGE PROTECTION IN DISTRIBUTION BOARDS**					
	Replace an existing or provide and install a new lightning protection surge arrester in an existing or new board. Surge arresters shall be of the DYNGARD 275 BLITZDUCTOR type by SURGETECH or of equal quality, performance and approved.					
3.16.1	1P 5kA	no	1			
3.16.2	1P 20kA	no	1			
3.17	**kVA and kWh METERS**					
	Replace an existing or provide and install a new kVA or kWh meter (with calibration certificate) of the following types including testing and commissioning: Elster A1700					
3.17.1	Three phase 40 - 100A surface mounted kVA meter	no	1			
3.17.2	Single phase 20 - 80A surface mounted kWh	no	1			
3.17.3	Three phase 40A - 100A surface mounted kWh	no	1			
3.17.4	Single phase 65A rail mounted (1P+N) kWh	no	1			
3.17.5	Three phase 65A rail mounted (3P+N) kWh	no	1			
3.18	**REPLACE METERING CURRENT TRANSFORMERS**					
	Replace an existing or provide and install a new current transformer (C/T) of the following types including testing and commissioning:					
3.18.1	Up to 650:5A	no	1			
3.18.2	Up to 500:5A	no	1			

3.18.3	Up to 300:5A	no	1			
3.18.4	Up to 100:5A	no	1			
3.19	**INDICATING METERS IN KIOSKS/DISTRIBUTION BOARDS**					
3.19.1	Replace an existing or provide and install a new indicating AC volt meter in an existing or new board e.g. (96x96).	no	1			
3.19.2	Replace an existing or provide and install a new direct and maximum demand indicating AC ammeter in an existing or new board e.g. (96x96).	no	1			
3.19.3	Replace an existing or provide and install a new indicating DC volt meter in an existing or new board e.g. (96x96).	no	1			
3.19.4	Replace an existing or provide and install a new direct indicating DC ammeter in an existing or new board e.g. (96x96).	no	1			
3.20	**VOLT METER ROTARY SWITCH**					
	Replace an existing or provide and install a new 7-way volt meter rotary switch in an existing or new board.	no.	1			
3.21	**TERMINAL BLOCKS**					
	Replace an existing or provide and install the following new din rail mounted terminal blocks in an existing or new board including labeling of terminal as well as labeling of wiring.					
3.21.1	Up to 15A - 2.5mm² wire pm	no	1			

3.21.2	Up to 30A - 6mm² wire pm	no	1			
3.21.3	Up to 60A - 16mm² wire pm	no	1			
3.21.4	Up to 80A - 25mm² wire pm	no	1			
3.21.5	Up to 150A - 70mm² wire pm	no	1			
3.21.6	Up to 225A - 120mm² wire pm	no	1			
3.22	**LEGEND CARD**					
	Replace an existing or provide and install a new legend card to suit new circuits. (e.g. typed A4/A5 size)	no	1			
3.23	**AS BUILT DRAWINGS IN KIOSKS AND DISTRIBUTION BOARDS**					
	Provide and install (fix with double sided tape) a PVC laminated "As Built" drawing with the following size in a kiosk or distribution board in accordance with the specification. As built of the electrical installation fed from that distribution board including a line diagram - information available from engineer on A4 or A3 paper.					
3.23.1	A4 paper size	no	1			
3.23.2	A3 paper size	no	1			
3.24	**OUTLET POINT LAMINATED LABLE**					
	Replace an existing or provide and install a new label e.g. DB,	no	1			

	circuit, outlet point, etc. - minimum 9mm with 5mm letter height e.g. Brother P-Touch with double laminated film black on white background e.g. B23/L15 for light No.15 in building B23.					
	TOTAL OF BILL NO. 3 CARRIED FORWARD TO THE SUMMARY PAGE					
	BILL 4. CONDUIT ,BOXES AND ACCESSORIES					
	MAINTENANCE/ REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI REGION FOR A PERIOD OF 24 MONTHS					
Item	**Description**	**Unit**	**Qty**	**Rate**		**Amount**
				Material	**Labour**	**R**
4.1	Replace existing or install the following new conduit, including couplings, bushes, lock-nuts, bends, saddles, screws and plugs as specified.					
	Conduit **chased flush into a wall** including multiple cuts with a grinder, chasing, removal of rubble, making good and painting.					
4.1.1	32mm dia PVC.	m	1			
4.1.2	25mm dia PVC.	m	1			
4.1.3	20mm dia PVC.	m	1			
Conduit **surface in roof space**. See fixing requirements. Clean roof space afterwards.						
4.1.4	50mm dia PVC.	m	1			
4.1.5	32mm dia PVC.	m	1			
4.1.6	25mm dia PVC.	m	1			
4.1.7	20mm dia PVC.	m	1			

PVC conduit **surface inside,** mounted on walls, etc. Only rust proof brass screws and plastic anchors shall be allowed to fix surface conduits. Hilti guns or nails shall not be allowed.						
4.1.8	32mm dia PVC surface conduit on a wall or concrete.	m	1			
4.1.9	25mm dia PVC surface conduit on a wall or concrete.	m	1			
4.1.10	20mm dia PVC surface conduit on a wall or concrete.	m	1			
Galvanized **surface outside** along walkways, mounted on walls, etc. Only rust proof brass screws and plastic anchors shall be allowed to fix surface conduits. Hilti guns shall not be allowed.						
4.1.11	32mm dia galvanized plain ended.	m	1			
4.1.12	25mm dia galvanized plain ended.	m	1			
4.1.13	20mm dia galvanized plain ended.	m	1			
	Slow bends for conduit					
4.1.14	32mm dia galvanized conduit slow bend in roof space.	no	1			
4.1.15	50mm dia PVC conduit slow bend in roof space.	no	1			
4.1.16	32mm dia PVC conduit slow bend in roof space.	no	1			
4.1.17	50mm dia PVC conduit slow bend chased into a wall and floor.	no	1			
4.1.18	32mm dia PVC conduit slow bend chased into a wall and floor.	no	1			
Replace an existing or provide and install the following new 2.5m long PVC flexible conduit connection including adaptors.						
4.1.19	32mm dia	m	1			
	25mm dia	m	1			
	20mm dia	m	1			
Replace an existing or provide and install the following new 2.5m long steel PVC coated flexible conduit connection including adaptors.						
4.1.20	32mm dia	no	1			
4.1.21	25mm dia	no	1			
4.1.22	20mm dia	no.	1			

Galvanized steel box chased into a wall, including multiple cuts with a grinder, chasing, removal of rubble, making good and painting of the wall.						
4.1.23	20 and 25mm dia round galvanized steel with 1-4 way or back entry as required chased into a wall.	no	1			
4.1.24	100x50mm galvanized steel chased into a wall.	no	1			
4.1.25	100x100mm galvanized steel chased into a wall.	no	1			
4.1.26	**Galvanized steel conduit box in roof space** including fixing.	no				
4.1.27	20 and 25mm dia galvanized steel round box with 1-4 way or back entry as required in roof space.	no	1			
4.1.28	100x50mm galvanized steel box in roof space.	no	1			
4.1.29	100x100mm galvanized steel box in roof space.	no	1			
4.1.30	150 x 150 x 100 mm galvanized steel conduit box with lid (painted) in roof space.	no	1			
4.1.31	200 x 200 x 100 mm galvanized steel conduit box with lid (painted) in roof space.	no	1			
4.1.32	300 x 300 x 150 mm galvanized steel conduit box with lid (painted) in roof space.	no	1			
Galvanized steel conduit box installed surface along walkways or on walls.						
4.1.33	20 and 25mm dia galvanized steel round box with 1-4 way or back entry as required installed surface.	no	1			
4.1.34	100x50mm galvanized steel box installed surface.	no	1			
4.1.35	100x100mm galvanized steel box installed surface.	no	1			

PVC conduit box chased into a wall, including multiple cuts with a grinder, chasing, removal of rubble, making good and painting of the wall. PVC boxes only allowed as draw boxes. **All outlet points shall be installed in galvanized steel boxes.**						
4.1.36	20 and 25mm dia round PVC with 1-4 way or back entry as required chased into a wall.	no	1			
4.1.38	100x50mm PVC chased into a wall.	no	1			
4.1.39	100x100mm PVC chased into a wall.	no	1			
4.1.40	**PVC conduit box in roof space including fixing.**	no				
4.1.41	20 and 25mm dia PVC round box with 1-4 way or back entry as required in roof space.	no	1			
4.1.42	100x50mm PVC box in roof space.	no	1			
4.1.43	100x100mm PVC box in roof space.	no	1			
PVC conduit box installed surface - as draw boxes only.						
4.1.44	20 and 25mm dia PVC round box with 1-4 way or back entry as required installed surface.	no	1			
4.1.45	100x50mm PVC box installed surface.	no	1			
4.1.46	100x100mm PVC box installed surface.	no	1			
4.2	**EXTENSION BOXES**					
	Replace an existing or provide and install the following new **metal (steel) extension boxes** complete with conduit connections, bushes and lock nuts on existing flush draw boxes, walls or roof timber. Covers measured elsewhere.					
4.2.1	100 x 50 x 50mm steel extension box.	no	1			
4.2.2	100 x 100 x 50mm steel extension box.	no	1			

Replace an existing or provide and install the following new **PVC extension boxes** complete with conduit connections, bushes and lock nuts on existing flush draw boxes, walls or roof timber. Covers measured elsewhere.						
4.2.3	100 x 50 x 50mm PVC extension box.	no	1			
4.2.4	100 x 100 x 50mm PVC extension box.	no	1			
4.3	**CONDUIT BOX COVER PLATES**					
	Replace an existing or provide and install the following new conduit box cover plates. Cover plates will be complete with white or ivory finish and chromed screws for fixing. Cover plates will be of the CRABTREE or LUMEX type or of equal quality, performance and approved. Cover plates will be of the type as removed.					
4.3.1	Blank galvanized round box cover plates.	no	1			
4.3.2	Blank white or ivory round box cover plates.	no	1			
4.3.3	Blank PVC round box cover plates.	no	1			
4.3.4	Blank galvanized over size round box cover plates.	no	1			
4.3.5	Blank over size white or ivory round box cover plates.	no	1			
4.3.6	Blank PVC over size round box cover plates.	no	1			
4.3.7	Blank 100x50 white or ivory cover plates PVC or steel.	no	1			
4.3.8	Blank 100x100 white or ivory cover plates PVC or steel...	no	1			
	TOTAL OF BILL NO. 4 CARRIED FORWARD TO THE SUMMARY PAGE					

	BILL NO. 5 POWER SKIRTING AND POWER TRUNKING					
	MAINTENANCE/ REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI REGION FOR A PERIOD OF 24 MONTHS					
Item	**Description**	**Unit**	**Qty**	**Rate**		**Amount**
				Material	**Labour**	**R**
5.1	**METAL POWER SKIRTING**					
	Replace existing or install the following new **metal power skirting or wiring duct** complete with duct, cover, body and splice (every 2,5m). Fix with screws and plastic plugs in accordance with the supplier's requirements and specification. No Hilti guns allowed. Power skirting and wiring duct shall be of the Cabstrut type or of equal quality, performance and approved.					
5.1.1	Single compartment, single cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated cover **(P802)**, - installed on a wall. Colour to match existing on site.	m	1			
5.1.2	Two compartment, two cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated covers **(P801)**, - installed on a wall. Colour to match existing on site.	m	1			

5.1.3	Galvanized single cover single compartment wiring duct with galvanized cover **P8000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed) - supported every 11200mm.	m	1			
5.1.4	Galvanized single cover single compartment wiring duct with galvanized cover **P9000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed) - supported every 1200mm.	m	1			
5.1.5	Galvanized **P2000** (1mm) wiring channel installed in roof space, screwed onto roof truss or fixed to a wall (screwed) - supported every 1200mm.	m	1			
Replace an existing or provide and install the following new **90° flat elbow** for the following:						
5.1.6	Single compartment, single cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated cover **(P802)**. Colour to match existing on site.	m	1			
5.1.7	Two compartment, two cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated covers **(P801)**. Colour to match existing on site.	m	1			
5.1.8	Galvanized single cover single compartment wiring duct with galvanized cover **P8000** installed in roof space,	m	1			

	screwed onto roof truss or fixed to a wall (screwed)					
5.1.9	Galvanized single cover single compartment wiring duct with galvanized cover **P9000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed).	m	1			
Replace an existing or provide and install the following new **90° inner- or outer corner** piece for the following metal power skirting or power trunking:						
5.1.10	Single compartment, single cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated cover **(P802)**. Colour to match existing on site.	m	1			
5.1.11	Two compartment, two cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated covers **(P801)**. Colour to match existing on site.	m	1			
5.1.12	Galvanized single cover single compartment wiring duct with galvanized cover **P8000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed)	m	1			
5.1.13	Galvanized single cover single compartment wiring duct with galvanized cover **P9000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed).	m.	1			
Replace an existing or provide and install the following new **end-caps** for the following metal power skirting or power trunking:						

5.1.14	Single compartment, single cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated cover **(P802)**. Colour to match existing on site.	m	1			
5.1.15	Two compartment, two cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated covers **(P801)**. Colour to match existing on site.	m	1			
5.1.16	Galvanized single cover single compartment wiring duct with galvanized cover **P8000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed)	m	1			
5.1.17	Galvanized single cover single compartment wiring duct with galvanized cover **P9000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed).	m	1			
5.2	**PVC POWER SKIRTING**					
	The following PVC power skirting and accessories shall be of the **Cabstrut Jupiter** adaptable PVC trunking type or of equal quality, performance and approved. Colour to match existing on site.					
5.2.1	Single cover single compartment PVC power skirting (BD152).	m	1			
5.2.2	Two compartment, two cover PVC power skirting (BD162).	m	1			
Replace an existing or provide and install the following new **90° inner- or outer corner** piece for the following PVC power skirting:						

5.2.3	Single cover single compartment PVC power skirting (BD152).	no	1			
5.2.4	Two compartment, two cover PVC power skirting (BD162).	no	1			
Replace an existing or provide and install the following new **end-caps** for the following PVC power skirting:						
5.2.5	Single cover single compartment PVC power skirting (BD152).	no	1			
5.2.6	Two compartment, two cover PVC power skirting (BD162).	no	1			
5.2.7	Two compartment, two cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated covers **(P801)**. Colour to match existing on site.	no	1			
5.2.8	Galvanized single cover single compartment wiring duct with galvanized cover **P8000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed)	no	1			
5.2.9	Galvanized single cover single compartment wiring duct with galvanized cover **P9000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed).	no	1			
5.3	**PVC POWER SKIRTING**					
	The following PVC power skirting and accessories shall be of the **Cabstrut Jupiter** adaptable PVC trunking type or of equal quality, performance and approved. Colour to match existing on site.					
5.3.1	Single cover single compartment PVC power skirting (BD152).	m	1			

5.3.2	Two compartment, two cover PVC power skirting (BD162).	m	1			
Replace an existing or provide and install the following new **90° inner- or outer corner** piece for the following PVC power skirting:						
5.3.3	Single cover single compartment PVC power skirting (BD152).	no	1			
5.3.4	Two compartment, two cover PVC power skirting (BD162).	no	1			
5.3.5	Replace an existing or provide and install the following new **end-caps** for the following PVC power skirting:	no				
5.3.6	Single cover single compartment PVC power skirting (BD152).	no	1			
5.3.7	Two compartment, two cover PVC power skirting (BD162).	no	1			
5.4	**HOLES THROUGH WALLS FOR POWER SKIRTING**					
	Allow to provide a hole through the following brick walls for two compartment, two cover power skirting. Including chasing, cleaning of rubble, plastering and painting.					
5.4.1	110mm brick wall	no	1			
5.4.2	220mm brick wall	no	1			
5.4.3	Two compartment, two cover, galvanized epoxy powder coated power skirting with galvanized epoxy powder coated covers **(P801)**. Colour to match existing on site.	no	1			
5.4.4	Galvanized single cover single compartment wiring duct with galvanized cover **P8000** installed in roof space,	no	1			

	screwed onto roof truss or fixed to a wall (screwed)					
5.4.5	Galvanized single cover single compartment wiring duct with galvanized cover **P9000** installed in roof space, screwed onto roof truss or fixed to a wall (screwed).	no	1			
5.5	**PVC POWER SKIRTING**					
	The following PVC power skirting and accessories shall be of the **Cabstrut Jupiter** adaptable PVC trunking type or of equal quality, performance and approved. Colour to match existing on site.					
5.5.1	Single cover single compartment PVC power skirting (BD152).	m	1			
5.5.2	Two compartment, two cover PVC power skirting (BD162).	m	1			
5.5.3	Replace an existing or provide and install the following new **90° inner- or outer corner** piece for the following PVC power skirting:					
5.5.4	Single cover single compartment PVC power skirting (BD152).	no.	1			
5.5.5	Two compartment, two cover PVC power skirting (BD162).	no	1			
Replace an existing or provide and install the following new **end-caps** for the following PVC power skirting:						
5.5.6	Single cover single compartment PVC power skirting (BD152).	no	1			
5.5.7	Two compartment, two cover PVC power skirting (BD162).	no	1			

5.6	**HOLES THROUGH WALLS FOR POWER SKIRTING**					
	Allow to provide a hole through the following brick walls for two compartment, two cover power skirting. Including chasing, cleaning of rubble, plastering and painting.					
5.6.1	110mm brick wall	no	1			
5.6.2	220mm brick wall	no	1			
5.6.3	270mm brick wall	no	1			
5.7	**PVC DUCTING**					
	Replace existing or install the following new PVC ducting and accessories to tidy loose Cabtyre flex, Surfix etc. connections to equipment including cover and fixing onto walls with brass screws and plastic plugs - Hilti's not allowed. Prices shall be based on the Cabstrut PVC trunking type or of equal quality, performance and approved, as follows:					
5.7.1	YT1 ducting	m	1			
5.7.2	YT2 ducting	m	1			
5.7.3	YT3 ducting	m	1			
5.7.4	YT4 ducting	m	1			
5.7.5	YT5 ducting	m	1			
End cap for PVC ducting						
5.7.6	End cap for YT1	no	1			
5.7.7	End cap for YT2	no	1			
5.7.8	End cap for YT3	no	1			
5.7.9	End cap for YT4	no	1			
5.7.10	End cap for YT5	no	1			
5.8	**CABLE TRAY**					
	Provide and install in a roof space or surface					

	mounted the following light duty cable tray.					
5.8.1	50mm	m	1			
5.8.2	76mm	m	1			
5.8.3	100mm	m	1			
5.8.4	150mm	m	1			
5.8.5	200mm	m	1			
5.9	**PVC INSULATED CONDUCTOR**					
	Provide and install in conduit, wiring duct or power skirting and connect up to all equipment for supply, lighting, plugs, sockets and power circuits the following PVC insulated 600V grade conductors.					
5.9.1	35mm² conductors	m	1			
5.9.2	25mm² conductors	m	1			
5.9.3	16mm² conductors	m	1			
5.9.4	10mm² conductors	m	1			
5.9.5	6mm² conductors	m	1			
5.9.6	4mm² conductors	m	1			
5.9.7	2,5mm² conductors	m	1			
5.9.8	1.5mm² conductors	m	1			
5.10	**BARE COPPER EARTH CONDUCTOR**					
	Provide and install in conduit, power trunking or power skirting and connect up to all equipment for supply, lighting, plugs, sockets and power circuits the following bare copper earth conductors.					
5.10.1	25 mm²	m	1			
5.10.2	16 mm²	m	1			
5.10.3	10 mm²	m	1			
5.10.4	6 mm²	m	1			
5.10.5	4.0 mm²	m	1			
5.10.6	2.5 mm²	m	1			

5.11	**PVC INSULATED EARTH CONDUCTOR**					
	Provide and install in conduit, power trunking or power skirting and connect up to all equipment the following insulated copper earth conductors.					
5.11.1	10 mm² PVC insulated earth conductor	m	1			
5.11.2	6 mm² PVC insulated earth conductor	m	1			
5.11.3	4 mm² PVC insulated earth conductor	m	1			
5.11.4	2.5 mm² PVC insulated earth conductor	m	1			
	TOTAL OF BILL NO. 5 CARRIED FORWARD TO THE SUMMARY PAGE					
	BILL 6. GENERAL LIGHT FITTINGS AREA POLE LIGHT FITTINGS					
	MAINTENANCE/ REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI DISTRICT FOR A PERIOD OF 2 YEARS					
Item	**Description**	**Unit**	**Qty**	**Rate**		**Amount**
				Material	**Labour**	**R**
6.1	Retrofit an existing to LED or provide and install a new LED EQUIVALENT light fitting of the following type as per the Light Fitting Schedule including connection, testing and commissioning. Light fittings shall be complete with lamps to					

	specification and shall be approved by the Department, bear the SABS certification marks and brand names as tested by the SABS. All light fittings shall be of the existing type					
6.2	Type A					
	Fluorescent luminaire 2 x 58W industrial type open channel (wings) with conventional ballast, cool white lamps and BJB type lamp holders.	no.	1			
6.3	Type B					
	Fluorescent luminaire 2 x 58W industrial type open channel (wings) with electronic ballast, colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders.	no.	1			
6.4	Type E					
	Fluorescent luminaire 2 x 58W open channel with conventional ballast, cool white lamp and BJB type lamp holders.	no.	1			
6.5	Type F					
	Fluorescent luminaire 2 x 58W open channel with electronic ballast, colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders.	no	1			
6.7	Type G					
	Fluorescent luminaire 1 x 36W open channel with conventional ballast, cool white lamps and BJB type lamp holders.	no.	1			

6.8	Type H					
	Fluorescent luminaire 1 x 36W open channel with electronic ballast, colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders.	no.	1			
6.9	Type I					
	Fluorescent luminaire 2 x 36W open channel with conventional ballast, cool white lamps and BJB type lamp holders.	no.	1			
6.10	Type J					
	Fluorescent luminaire 2 x 36W open channel with electronic ballast, colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders.	no.	1			
6.11	Type K					
	Fluorescent, theatre ambient luminaire 1,5m with conventional ballasts and 2x58W cool white lamps, surface mounted hygienically sealed with prismatic diffuser and BJB type lamp holders. 230V or of equal quality, performance and approved. Lamps shall be switched individually.	no.	1			
6.12	Type L					
	Fluorescent, theatre ambient luminaire 1,5m with electronic ballasts and 2x58W colour 21 tri-phosphor (cool white 840) lamps, surface mounted hygienically sealed with prismatic diffuser and BJB type lamp holders.230V or of equal quality,	no.	1			

	performance and approved. Lamps shall be switched individually.					
6.13	Type O					
	Emergency fluorescent luminaire 2 x 58W open channel with electronic ballasts, colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders. Switched and unswitched supply, Ni Cad battery for 1Hr @20% - including self-testing unit.	no.	1			
6.14	Type P					
	Emergency fluorescent luminaire 2 x 36W open channel with electronic ballasts, colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders. Switched and unswitched supply, Ni Cad battery for 1Hr @20% - including self-testing unit.	no.	1			
6.15	Type P.1					
	Emergency fluorescent luminaire 2 x 10W - plug into a 15A or 5A socket outlet. Switched and unswitched supply, lead acid battery for 3Hr - including self-testing unit.	no	1			
6.17	Type Q					
	Corrosion proof fluorescent luminaire IP65 rated, surface mounted with water tight diffuser, stainless steel diffuser clips, conventional ballast, 2 x 58W cool white lamps, BJB type lamp holders and sealing grommets	no.	1			

6.18	Type R					
	Corrosion proof fluorescent luminaire IP65 rated, surface mounted with water tight diffuser, stainless steel diffuser clips, electronic ballast and 2 x 58W colour 21 tri-phosphor (cool white 1840) lamps, BJB type lamp holders and sealing grommets.	no.	1			
6.19	Type S					
	Corrosion proof fluorescent luminaire IP65 rated, surface mounted with water tight diffuser, stainless steel diffuser clips, conventional ballast, 1 x 58W cool white lamp, BJB type lamp holders and sealing grommets:	no.	1			
6.20	Type T					
	Corrosion proof fluorescent luminaire IP65 rated, surface mounted with water tight diffuser, stainless steel diffuser clips, electronic ballast, 1 x 58W colour 21 tri-phosphor (cool white 840) lamp, BJB type lamp holders and sealing grommets:	no.	1			
6.21	Type U					
	Corrosion proof fluorescent luminaire IP65 rated, surface mounted with water tight diffuser, stainless steel diffuser clips, conventional ballast, 2 x 36W cool white lamps, BJB type lamp holders and sealing grommets:	no.	1			
6.22	Type V					
	Corrosion proof fluorescent luminaire	no.	1			

	IP65 rated, surface mounted with water tight diffuser, stainless steel diffuser clips, electronic ballast, 2 x 36W colour 21 tri-phosphor (cool white 840) lamps, BJB type lamp holders and sealing grommets					
6.23	Type W					
	Corrosion proof fluorescent luminaire IP65 rated, surface mounted with water tight diffuser, stainless steel diffuser clips, conventional ballast, 1 x 36W cool white lamps, BJB type lamp holders and sealing grommets	no.	1			
6.24	Type X					
	Corrosion proof fluorescent luminaire IP65 rated, surface mounted with water tight diffuser, stainless steel diffuser clips, electronic ballast, 1 x 36W colour 21 tri-phosphor (cool white 840) lamps, BJB type lamp holders and sealing grommets:	no.	1			
6.25	Type Y					
	Flame proof fluorescent luminaire with electronic ballasts, 2x36W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders.	no.	1			
6.26	Type AB					
	Fluorescent luminaire recessed 1200mmx600mm with low brightness diffuser, conventional ballast and 3x36W cool white lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with	no.	1			

	spring fixed to the louvre:					
6.27	Type AC					
	Fluorescent luminaire recessed 1200mmx600mm with low brightness diffuser, electronic ballast and 3x36W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre:	no.	1			
6.28	Type AD					
	Fluorescent luminaire recessed 600mmx600mm with low brightness diffuser, conventional ballast and 3x18W cool white lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre.	no.	1			
6.29	Type AE					
	Fluorescent luminaire recessed 600mmx600mm with low brightness diffuser, electronic ballast and 3x18W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre:	no.	1			
6.30	Type AF					
	Fluorescent luminaire recessed decorative 1200mmx600mm with acrylic, prismatic diffuser, conventional ballast and 3x36W cool	no.	1			

	white lamps and BJB type lamp holders.					
6.31	Type AG					
	Fluorescent luminaire recessed decorative 1200mmx600mm with acrylic, prismatic diffuser, electronic ballast and 3x36W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders.	no.	1			
6.32	Type AH					
	Fluorescent luminaire recessed 1200mmx600mm with single parabolic white louvre with 12 cross blades, conventional ballast and 3x36W cool white lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre.	no.	1			
6.33	Type AI					
	Fluorescent luminaire recessed 1200mmx600mm with single parabolic white louvre with 12 cross blades, electronic ballast and 3x36W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre.	no.	1			
6.34	Type AJ					
	Fluorescent luminaire recessed 600mmx600mm with single parabolic white louvre with 6 cross	no.	1			

	blades, conventional ballast and 3x18W cool white lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre.					
6.35	Type AK					
	Fluorescent luminaire recessed 600mmx600mm with single parabolic white louvre with 6 cross blades, electronic ballast and 3x18W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre.	no.	1			
6.36	Type AL					
	Fluorescent luminaire surface mounted with low brightness diffuser, conventional ballast, 2x58W cool white lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre.	no.	1			
6.37	Type AM					
	Fluorescent luminaire surface mounted with low brightness diffuser, electronic ballast, 2x58W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre.	no.	1			

6.38	Type AN					
	Fluorescent luminaire surface mounted with low brightness diffuser, conventional ballast, 3x36W cool white lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre:	no.	1			
6.39	Type AO					
	Fluorescent luminaire surface mounted with low brightness diffuser, electronic ballast, 3x36W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders. The louvre shall be removable, spring clip hinged with spring fixed to the louvre.	no.	1			
6.40	Type AP					
	Fluorescent luminaire surface mounted with acrylic prismatic diffuser, conventional ballast, 2x58W cool white lamps and BJB type lamp holders:	no.	1			
6.41	Type AQ					
	Fluorescent luminaire surface mounted with acrylic prismatic diffuser, electronic ballast, 2x58W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders	no.	1			
6.42	Type AR					
	Fluorescent luminaire surface mounted with acrylic prismatic diffuser, conventional ballast, 3x36W cool white lamps and BJB type lamp holders:	no.	1			

6.43	Type AS					
	Fluorescent luminaire surface mounted with acrylic prismatic diffuser, electronic ballast, 3x36W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders:	no.	1			
6.44	Type AT					
	Fluorescent luminaire surface mounted with acrylic prismatic diffuser, conventional ballast, 2x36W cool white lamps and BJB type lamp holders: VOLTEX MODULE 30 M30-236-SS-AR27-2x36W or ILM-PRO-SFC-ELZ-P2-236-SS.	no.	1			
6.45	Type AU					
	Fluorescent luminaire surface mounted with acrylic prismatic diffuser, electronic ballast, 2x36W colour 21 tri-phosphor (cool white 840) lamps and BJB type lamp holders: VOLTEX MODULE 30 M30-236 COL21-ECG-AR27-2x36W or ILM-PRO-SFC-ELZ-P2-236 COL21-ECG.	no.	1			
6.46	Type AV					
	Bowl type 200 dia glass IP55 bathroom fitting with porcelain or fiber glass gallery, porcelain or brass lamp holder and 20W energy saving BC/ES lamp.	no.	1			
6.47	Type AW					
	Bowl type 150 dia polycarbonate IP55 bathroom fitting with porcelain or fiber glass	no.	1			

	gallery, porcelain or brass lamp holder and 13W energy saving BC/ES lamp.					
6.48	Type AX					
	Bowl type 200 dia polycarbonate IP55 bathroom fitting with porcelain or fiber glass gallery, porcelain or brass lamp holder and 20W energy saving BC/ES lamp.	no.	1			
6.49	Type AY					
	Bowl type open bowl 150 dia polycarbonate bathroom fitting with porcelain or fiber glass gallery, porcelain or brass lamp holder and 13W energy saving BC/ES lamp.	no.	1			
6.50	Type AZ					
	Bowl type open bowl 200 dia polycarbonate bathroom fitting with porcelain or fiber glass gallery, porcelain or brass lamp holder and 20W energy saving BC/ES lamp.	no.	1			
6.51	Type BA					
	Pendant. 1 light complete with open glass shade, porcelain or brass lamp holder and 13W, 15W or 20W energy saving BC/ES lamp.	no.	1			
6.52	Type BB					
	Pendant 2 light complete with open glass shade, porcelain or brass lamp holder and 13W, 15W or 20W energy saving BC/ES lamps.	no.	1			

6.53	Type BC					
	Pendant 3 light complete with open glass shade, porcelain or brass lamp holder and 13W, 15W or 20W energy saving BC/ES lamps.	no.	1			
6.54	Type BE					
	Incandescent external water tight light fitting with ceramic or brass lamp holder - bottle type glass (WELL GLASS) or ILM-DEC-BG-JJ with 13W, 15W or 20W energy saving BC/ES lamp.	no.	1			
6.55	Type BF					
	Bulkhead luminaire with 2xTC9W lamps, 2-ballasts, mounted against the wall, concrete or ceiling complete with high impact resistant, acrylic, flat, opal lens diffuser and stainless steel helicoil inserts. Trim ring colour shall match existing on site.	no.	1			
6.56	Type BG					
	Bulkhead luminaire with 1xTC-D 26W lamp, mounted against the wall, concrete or ceiling complete with high impact resistant, acrylic, dome, opal lens diffuser and stainless steel helicoil inserts. Trim ring colour shall match existing on site.	no.	1			
6.57	Type BH					
	Bulkhead wall mounted light fitting .	no.	1			
6.58	Type BI					
	Bulkhead wall mounted light fitting - type BEKA	no.	1			

	AZIMUTH 2xTC-D 26W lamps.					
6.59	Type BJ					
	Bulkhead wall mounted, rectangular light fitting with eyelid and clear or opal standard colour.	no.	1			
6.60	Type BK					
	Recessed downlighter luminaire with 1xTC-D 26W compact fluorescent lamp, recess mounted in the ceiling complete with lamp, 2m cord set including 5A 3-pin plug top. Trim ring colour shall blend with existing.	no.	1			
6.61	Type BL					
	Recessed downlighter luminaire with 2xTC-D 26W compact fluorescent lamps, recess mounted in the ceiling complete with lamps, 2m cord set including 5A 3-pin plug top. Trim ring colour shall blend with existing.	no.	1			
6.62	Type BM					
	Downlighter luminaire with 1 x 5W PL lamp, mounted in the ceiling complete with ceiling trim - colour to match existing. The light fitting shall be of the Beacon Lighting Series 1300/1x5WPL type complete with lamp and 2m cord set including 5A 3-pin plug top.	no	1			
6.63	Type BN					
	Surface downlighter luminaire with 1xTC-D 26W compact fluorescent lamp, mounted on the ceiling, complete with lamp.	no.	1			

	Colour shall blend with existing.					
6.64	Type BO					
	Safe light consisting of a neat red surface mounted light fitting (max 120x120mm) with 230V LED/s to fit over a flush 50mm dia round draw box. This light will be switched from the inside of the strong room. Bulls eye indication light red - 230V LED lamp/s	no.	1			
6.65	Type BP					
	Emergency exit luminaire, maintained, power saving, auto test complete with charge indicating LED, integral electronic control gear with Ni Cad batteries. The light fitting shall be complete with 1x26W PL lamp and be of the.	no.	1			
6.66	Type BR					
	Over door or ceiling mounted prism shaped light fitting with LED lamp complete as supplied for the MICROSOUND NC-M Nurses call or LEGRAND system.	no.	1			
6.67	Type BR.1					
	Flood light wall mounted, die cast Al body with 70W MH (external igniter) lamp and wall fixing clamp.	no.	1			
6.68	Type BS					
	Flood light wall mounted, die cast Al body with 70W HPS (external igniter) lamp and wall fixing clamp.	no.	1			

6.69	Type BT					
	Flood light wall mounted, die cast Al body with 100W metal halide lamp and wall fixing clamp.	no.	1			
6.70	Type BT.1					
	Flood light wall mounted, die cast Al body 250W MH-T lamp and wall fixing clamp.	no.	1			
6.71	Type BU					
	Flood light wall mounted, die cast Al body 250W HPS/T lamp and wall fixing clamp.	no.	1			
6.72	Type BV					
	Flood light pole mounted, die cast Al body 250W HPS/T lamp and pole clamp.	no.	1			
6.73	Type BW					
	Flood light pole or wall mounted die cast Al body 400W HPS/T lamp and pole or wall clamp.	no.	1			
6.74	Type BX					
	Flood light pole or wall mounted, die cast Al body 250W Metal Halide lamp and pole or wall clamp.	no.	1			
6.75	Type BX.1					
	Flood light pole or wall mounted, die cast Al body 400W Metal Halide lamp and pole or wall clamp.	no.	1			
6.76	Type CB					
	Post top area light of the 100W MH type.	no.	1			
6.77	Type CD					
	Post top area light of the 70W HPS type. .	no.	1			

6.78	Type CE					
	Post top area light of the 100W HPS type.	no.	1			
6.79	Type CE.1					
	Post top area light of the 100W MH type.	no.	1			
6.80	Type CF					
	Post top area light of the 70W HPS type.	no.	1			
6.81	Type CG					
	Post top area light of the 100W HPS type.	no.	1			
6.82	Type CH.1					
	Streetlight, bottom or side entry, with internal circuit breaker, complete with 70W MH lamp.	no.	1			
6.83	Type CI					
	Streetlight, bottom or side entry, with internal circuit breaker, complete with 70W HPS/T lamp.	no.	1			
6.84	Type CI.1					
	Streetlight, bottom or side entry, with internal circuit breaker, complete with 100W MH lamp.	no.	1			
6.85	Type CJ					
	Streetlight, bottom or side entry, with internal circuit breaker, complete with 100W HPS/T lamp.	no.	1			
6.86	Type CJ.1					
	Streetlight, bottom or side entry, with internal circuit breaker, complete with 250W MH-T lamp.	no.	1			
6.87	Type CK.1					
	Streetlight, bottom or side entry, with internal circuit breaker, complete with 400W MH-T lamp.	no.	1			
6.88	Type CL					
	Streetlight, bottom or side entry, with internal	no.	1			

	circuit breaker, complete with 400W HPS/T lamp.					
6.89	**ADDITIONAL SUPPORT**					
	Disconnect and remove an existing light fitting, provide an additional wooden support in the roof and re-install e.g. bulkhead, fluorescent etc.	no.	1			
6.90	**DISCHARGE EMERGENCY FITTING BATTERIES**					
	Discharge and recharge existing emergency light fitting batteries. Switch off permanent supply to circuit (initially and every 3 months). Price per circuit switched.	no	1			
6.92	**AREA LIGHT POLE**					
	3,5m **mounting height** (4,1m) straight fiberglass reinforced polyester pole with base plate, gland plate, circuit breaker and access door .	no.	1			
6.93	**12M SCISSORS MAST POLE**					
	Supply and install in the position indicated a 12 meter hot dip galvanized steel scissors mast pole with a purpose made mounting bracket - allow for the mounting of 3x400W flood lights. (excluding flood lights, planting piece and concrete base and excavation - measured elsewhere)	no	1			
6.94	**BASE FOR SCISSORS MAST**					
6.94.1	Provide and install in the position indicated a flanged planting piece and base plate (excluding concrete	no	1			

	base) for the 12 meter scissors mast.					
6.94.2	Provide and install a supplier approved concrete base for the 12 meter scissors mast including a 1.5m 76 dia PVC sleeve. (excavation measured elsewhere)	no	1			
6.95	**LUMINAIRE AND LAMP MAINTENANCE**					
	LIGHT FITTING SPARES					
	Replace the following light fitting spares.					
6.95.1	Porcelain or fiber glass gallery for bowl fitting 84,5mm and porcelain or 1brass lamp holder.	no	1			
6.95.2	Porcelain or fiber glass gallery for bowl fitting 99mm and porcelain or brass lamp holder.	no	1			
6.95.3	200mm bowl, opal glass, spherical.	no	1			
6.95.4	150mm bowl, opal, polycarbonate, spherical.	no	1			
6.95.5	200mm bowl opal polycarbonate spherical.	no	1			
6.95.6	200mm open bowl, opal, glass, spherical.	no	1			
6.95.7	150mm open bowl, opal, polycarbonate, spherical.	no	1			
6.95.8	200mm open bowl, opal, polycarbonate, spherical.	no	1			
6.95.9	ES brass lamp holder - all types.	no	1			
6.95.10	SES brass lamp holder - all types. (small)	no	1			
6.95.11	BC brass lamp holder - all types.	no	1			
6.95.12	BC or ES Porcelain lamp holder - all types.	no	1			
6.95.13	Opal dome diffuser - Beka series 30	no	1			

6.96	**EMERGENCY FLUORESCENT BATTERY**					
6.96.1	Replace an existing 5' or 4' emergency fluorescent fitting battery (1 hour @ 20%).	no	1			
6.96.2	Replace an existing 2 x 10W fluorescent emergency light fitting battery pack for the emergency light fitting.	no	1			
6.96.3	Fluorescent slimline 2,4m cool white.	no	1			
6.96.4	Fluorescent switch start 1,5m cool white.	no	1			
6.96.5	Fluorescent switch start 1,2m cool white.	no	1			
6.96.6	Fluorescent switch start 1,5m warm white.	no	1			
6.96.7	Fluorescent switch start 1,2m warm white.	no	1			
6.96.8	Fluorescent 1,5m colour 21 cool white 840 lamp - 58W.	no	1			
6.96.9	Fluorescent 1,2m colour 21 cool white 840 lamp - 36W.	no	1			
6.96.10	Fluorescent 0.6m colour 21 cool white 840 lamp - 18W.	no	1			
6.96.11	Fluorescent PL9	no	1			
6.96.12	Fluorescent PL13	no	1			
6.96.13	Fluorescent PL18	no	1			
6.96.14	Fluorescent PL26	no	1			
6.96.15	PAR 38 - all types	no	1			
6.96.16	70W HPS	no	1			
6.96.17	100W HPS	no	1			
6.96.18	150W HPS/T	no	1			
6.96.19	250W HPS/T	no	1			
6.96.20	400W HPS/T	no	1			
6.96.21	160W Mercury blended	no	1			
6.96.22	250W Mercury blended	no	1			
6.96.23	80W HP Mercury vapour	no	1			
6.96.24	125W HP Mercury vapour	no	1			

6.96.25	250W HP Mercury vapour	no	1			
6.96.26	400W HP Mercury vapour	no	1			
6.96.27	500W Quarts Halogen floodlight lamp.	no	1			
6.96.28	70W Metal halide MH-T	no	1			
6.96.29	100W Metal halide MH-T	no	1			
6.96.30	250W Metal halide MH-T	no	1			
6.96.31	400W Metal halide MH-T	no	1			
	TOTAL OF BILL NO. 6 CARRIED FORWARD TO THE SUMMARY PAGE					
	BILL 7. SOCKET OUTLET, SWITCHES AND ACCESSORIES					
	MAINTENANCE / REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI DISTRICT FOR A PERIOD OF 2 YEARS					
Item	**Description**	**Unit**	**Qty**	**Rate**		**Amount**
				Material	**Labour**	**R**
7.1	Replace an existing or provide and install the following new flush switches in a 100x50X50 or 100x100x50mm conduit box. Complete with cover plate, ivory finish and chromed screws. Switches shall be rated 16A minimum and be of the CRABTREE or LUMEX type or of equal quality, performance and approved. Switches shall be of the type removed. (Conduit					

	boxes existing or measured elsewhere.)					
7.1.1	16A single lever switch.	no.	1			
7.1.2	16A two lever switch.	no	1			
7.1.3	16A three lever switch.	no	1			
7.1.4	16A four lever switch.	no	1			
7.1.5	16A two-way switch.	no	1			
7.1.6	16A intermediate switch.	no	1			
7.1.7	16A limit switch for darkroom film hopper protection.	no	1			
7.2	**PULL SWITCH**					
7.2.1	Replace an existing or provide and install a new 16A pull switch with nylon cord (mounted on rigid round box).	no	1			
7.2.2	Replace an existing or provide and install a new canopy pull switch with nylon cord (mounted on light fitting).	no	1			
7.3	**SURFACE INDUSTRIAL SWITCHES**					
	Replace an existing or provide and install the following new surface mounted industrial type switches complete with cover plate and chrome fixing screws.					
7.3.1	16A single lever switch.	no	1			
7.3.2	16A two lever switch.	no	1			
7.4	**DIMMER SWITCHES**					
	Replace an existing or provide and install the following new dimmer switch in a 100 x 50mm flush draw box. (Draw box measured elsewhere.)					
7.4.1	1000W dimmer switch	no	1			
7.4.2	2000W dimmer switch	no	1			
7.4.3	1200W dimmer + 1x1 lever switch.	no	1			

7.5	**MOTION SENSORT / PRESENSE DETECTOR**	-				
	Provide and install an in line motion sensor/ presence detector of the Merlin Gerin CDP type or of equal quality, performance and approved in the positions indicated on the drawings to switch lights in the offices	no	1			
7.6	**WATER TIGHT SWITCHES**					
	Replace an existing or provide and install a new surface mounted 16A Water tight switch of the CLIPSAL 56SW220LEGY or WACO type or of equal quality, performance and approved. A silicon sealer shall be provided between the switch and the wall.	no	1			
7.7	**PHOTOCELL**					
7.7.1	Photocell 16A National or Waco plug in complete with base.	no	1			
7.7.2	Photocell 16A bracket mounted day light switch.	no	1			
7.7.3	Bulkhead luminaire - dummy with National type photocell.	no	1			
7.8	**SOCKET OUTLETS**					
	Replace an existing or provide and install the following new switched socket outlets in a 100x50mm or 100x100mm extension box or flush conduit box, complete with ivory cover plate and chrome					

	fixing screws. Socket outlets must be of the CRABTREE or LUMEX type or of equal quality, performance and approved. Socket outlet shall be of the type removed. (Conduit box existing or measured elsewhere).					
7.8.1	16A 3-pin single socket outlet, normal (white cover), essential (red cover) or UPS power (blue cover).	no	1			
7.8.2	16A 3-pin double socket outlet, normal (white cover), essential (red cover) or UPS power (blue cover).	no	1			
7.8.3	16A 3-pin single socket outlet with circuit breaker (5A-15A), normal (white cover), essential (red cover) or UPS power (blue cover).	no	1			
7.8.4	16A 3-pin dedicated single socket outlet (D-pin - top) in a 100x50mm box, normal or essential with red cover plate.	no	1			
7.8,5	16A 3-pin dedicated double socket outlet (D-pin - top) in a 100x100mm box, normal or essential with red cover plate.	no	1			
7.8.6	16A 3-pin single socket outlet, double pole isolator switched, with insulated earth and white cover plate.	no	1			
7.8.7	5A 3-pin single unswitched socket outlet in a 50mm dia round box.	no	1			
7.9	**As above but in power skirting as follows.**					
7.9.1	16A 3-pin single socket outlet in power skirting,	no	1			

	normal (white cover), essential (red cover) or UPS power (blue cover).					
7.9.2	16A 3-pin dedicated single socket outlet (D-pin - top) in power skirting, normal or essential with red cover plate.	no	1			
7.9.3	16A 3-pin single socket outlet, double pole isolator switched, with insulated earth and white cover plate in power skirting.	no	1			
7.10	**SURFACE INDUSTRIAL SWITCHED SOCKET OUTLETS**					
	Replace an existing or provide and install the following new surface mounted industrial type switched socket outlets complete with cover plate and chrome fixing screws. It will be of the CRABTREE or LUMEX type or of equal quality, performance and approved.					
7.10.1	16A 3-pin single plug	no	1			
7.10.2	16A 3-pin double plug	no	1			
7.11	**SOCKET OUTLET IN YORK BOX**					
	Provide and install a single socket outlet in a S15 York box.	no	1			
7.12	**CAPE TOWN COOKER PLUG UNIT**					
	Replace an existing fixed stove connection or install a new Cape Town cooker plug unit - including socket outlet and socket.	no	1			

7.13	**ISOLATOR SWITCHES**					
	FLUSH ISOLATOR SWITCHES					
	Replace an existing or provide and install the following new flush mounted isolators in a 100x50mm or100x100mm extension box or conduit box. Isolators will be complete with cover plate, ivory finish and chromed screws for fixing. It will be of the CRABTREE or LUMEX type or of equal quality, performance and approved. Isolators shall be of the type removed. (Conduit boxes measured elsewhere).					
7.13.1	60A 3P isolator.	no	1			
7.13.2	60A 2P isolator.	no	1			
7.13.3	30A 3P isolator.	no	1			
7.13.4	30A 2P isolator.	no	1			
7.13.5	30A 2P with cord grip for A/C / Heaters.	no	1			
7.13.6	45A stove isolator with indication light.	no	1			
7.13.7	30A 2P isolator in power skirting with or without cord grip.	no	1			
7.14	**INDOOR SURFACE ISOLATOR SWITCHES**					
	Replace an existing or provide and install the following new indoor surface mounted industrial type isolators complete with cover plate and chrome fixing screws. It will be of the CRABTREE or LUMEX type or of equal quality, performance and approved. Isolators shall be of the type removed.					

7.14.1	60A 3P surface isolator including box.	no	1			
7.14.2	60A 2P surface isolator including box.	no	1			
7.14.3	30A 3P surface isolator including box.	no	1			
7.14.4	30A 2P surface isolator including box.	no	1			
7.14.5	30A 2P with cord grip for A/C / Heaters - surface including box.	no	1			
7.14.6	Stove isolator with indication light - surface including box.	no	1			
7.15	**WATER TIGHT ISOLATOR SWITCHES**					
7.15.1	Replace an existing or provide and install a new water tight surface mounted 32A industrial double pole isolator e.g. CLIPSAL 56SW232GY type. (Air Conditioners).	no	1			
7.15.2	Replace an existing or provide and install a new water tight surface mounted 32A industrial type triple pole isolator e.g. CLIPSAL 56SW332GY type. (Air Conditioners).	no	1			
7.16	**INDUSTRIAL SOCKET OUTLETS**					
	Replace an existing or provide and install a new surface mounted socket outlet or surface isolator feeding a power point in the kitchen, laundry, etc. with one of the following IP57 rated industrial switched socket outlets complete with IP57 rated socket.					
7.16.1	32A 5-pole of the CLIPSAL LUMEX 75252-6 RED type (plus socket).	no	1			
7.16.2	63A 5-pole of the CLIPSAL LUMEX	no	1			

	75352-6 RED type (plus socket).					
7.17	**FLOOR MOUNTED PEDESTAL**					
	Replace an existing or provide and install a new floor mounted pedestal. Equip, connect, test and commission a 2mm mild steel baked powder epoxy coated floor mounted pedestal 1200mm high in the kitchen. A mounting plate shall be provided on two sides of the pedestal where two double switched socket outlets shall be installed on the one side and a 5-pole industrial switched socket IP57 rated (e.g. CLIPSAL LUMEX 75252-6 red type) on the other side. Price shall include all wiring and final connection but exclude switched socket outlets and industrial switched socket (measured elsewhere).	no	1			
7.18	**FLOOR BOX FOR SOCKET OUTLETS**					
	Replace an existing or provide and install a new floor box consisting of a pedestal and covers mounted on a purpose made conduit box as Cabstrut FD3 type including the box, pedestal and 2 x double 16A 3-pin socket outlet covers. Socket outlets measured elsewhere.	no	1			

7.19	**GEYSER MAINTENANCE**					
	Replace the following parts on electrical hot water cylinders:					
7.19.1	Thermostat.	no	1			
	2kW immersion type element.	no	1			
7.19.2	3kW immersion type element.	no	1			
7.19.3	2kW porcelain sleeve type element.	no	1			
7.19.4	3kW porcelain sleeve type element.	no	1			
7.19.5	2kW hard water elements.	no	1			
7.19.6	3kW hard water elements.	no	1			
7.19.7	New thermostat sleeve.	no	1			
7.20	**HAND DRYERS**					
	Replace an existing or provide and install a new hand dryer of the Stiebel Eltron heavy duty HTE5 touch free operation type.	no.	1			
7.21	**CONNECTION OF EQUIPMENT**					
	CONNECTION OF GEYSERS					
	Replace an existing geyser and provide and install a new geyser connection. The installation shall consists of the connection from the geyser to the geyser isolator (flexible conduit and **2.5mm²** wiring, rest measured elsewhere).					
	1 Phase geyser.	no	1			
	TOTAL OF BILL NO. 7 CARRIED FORWARD TO THE SUMMARY PAGE					**R**

	BILL 8. MECHANICAL AND ACCESS CONTROL					
	MAINTENANCE/ REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI DISTRICT FOR A PERIOD OF 2 YEARS					
Item	**Description**	**Unit**	**Qty**	**Rate**		**Amount**
				Material	**Labour**	**R**
8.1	**AUTOMATED GATES**					
	Repair or replace Magnetic encoder, electronic braking, remote on transmitter, override manual key heavy duty motor, digital control panel	no	1			
8.2	**Power breaker**					
	Replace central breaker for gate automation service, wheel bearing heavy duty for sliding gates.	no	1			
8.3	**AUTOMATED BOOM BARRIER**					
8.3.1	Replace Power breaker for the automatic system	no	1			
8.3.2	Replace Push button switch	no	1			
8.3.3	Supply installation material/equipment for boom gate (match the existing single boom gate)	no	1			
8.3.4	Repair Biometric Fingerprint - For Access doors	no	1			
8.3.5	Air lock/ Security Booth turnstiles.	no	1			
8.4	**ZIP HYDROBOILS**					
	Supply and install ZIP Hydroboils and install	no	1			
	TOTAL OF BILL NO. 8 CARRIED FORWARD TO THE SUMMARY PAGE					R

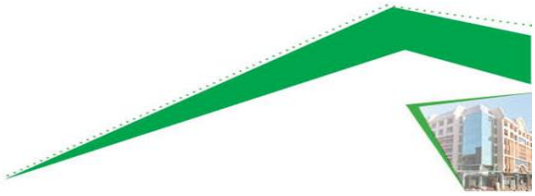
	BILL 9. SUNDRY ITEMS					
	MAINTENANCE / REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI DISTRICT FOR A PERIOD OF 2 YEARS					
Item	**Description**	**Unit**	**Qty**	**Rate**		**Amount**
				Material	**Labour**	**R**
9.1	**EARTHING AND BONDING**					
9.1.1	The Electrical Contractor shall allow for the Earthing of the building complex as specified and in compliance with the Standard Regulations and Local Supply Authority requirements.	no	1			
9.1.2	All waste, cold water and hot water pipes shall be separately connected to a proper earth by means of a copper strap. Groups of pipes can be interconnected and shall be properly earthed.	no	1			
9.1.3	Connect hot and cold water pipes to the waste water pipe at the hand basins and provide specified earthing at the geysers.	no	1			
	Supply for ± 400 positions.	sum	1			
9.2	**COMMISSIONING AND TESTING**					
	Supply of all test equipment and Labour for testing, commissioning and adjustment of the final installation in accordance with the specification as well as being in attendance and	item	1			

	giving assistance for any inspections and tests that the Engineer may call for. For a period of 12 months.					
9.3	**AS BUILT DRAWING INFORMATION**					
	The rate tendered for as built information per outlet point (e.g. light, switch, socket outlet, power point), shall allow for **time spent** to inspect the point, check the point plus the installation (e.g. distribution board, wiring, switching, etc.), for safety, condition, operation plus gathering and submission of as built information as per specification. In addition the rate will include for time spent to gather and submit information of the site reticulation information as per specification. A qualified electrician will accumulate and compile as built information on site including building dimensions etc. as per specification. The cost to compile a repair list etc. will be included in the Labour rate of every item. ±40buildings are involved.	Item	1			
9.4	**COC CERTIFICATE**					
	On completion of repair work on a building a COC shall be issued by the contractor for that building. A COC will also be issued for the electrical reticulation installation. On completion of the contract a COC shall be	no	1			

	issued for every building as well as the electrical reticulation installation. The contractor can combine a few smaller buildings per COC as long as the description is clear. The rate will be per COC issued for the duration of the contract (12 months).					
9.5	**PROBLEM REPORT FORM BOOKS**					
	The contractor shall be responsible to make printed Problem Report forms available to each institution for the duration of the contract. Allow for a printed 50 page A4 size duplicate Problem Report Form book.	no	1			
9.6	**LOGBOOKS**					
	The contractor shall be responsible to make printed logbooks available to each institution for the duration of the contract. Allow for printed 50 page A4 size duplicate Logbook.	no	1			
9.7	**JOB CARDS**					
	The contractor must provide his own supply of Job Cards (single page A4) in accordance with the example included in the specification. Allow for the provision of Job Cards.	no	1			
9.8	**DEPARTMENTAL TRAINEE TOOLS**					
	On request of the Department and engineer the contractor shall purchase the					

	following tools for departmental trainees.					
9.8.1	Three tear metal toolbox	no	1			
9.8.2	Combination spanner set 6mm – 24mm	no	1			
9.8.3	Screwdriver set – Electrician 7 piece	no	1			
9.8.4	Pliers set – 3 off – pliers, side cutter, long nose	no	1			
9.8.5	Hammer ball / pein 500g	no	1			
9.8.6	Pliers - water pump 300mm	no	1			
9.8.7	File set - - flat, round, triangle, halve/round,	no	1			
9.8.8	Vice grip	no	1			
9.8.9	Utility knife	no	1			
9.8.10	Scriber - two points	no	1			
9.8.11	Engineering square	no	1			
9.8.12	Hacksaw – frame e.g. Mitco or similar/equivalent /better	no	1			
9.8.13	Combination square	no	1			
9.8.14	Earth leakage circuit breaker polarity tester	no	1			
9.8.15	Digital clamp meter e.g. MAJORTECH 600V MODEL 2017 or similar/equivalent /better	no	1			
9.9	**HEALTH AND SAFETY REQUIREMENTS**	-				
	On request of the Department and engineer the contractor shall purchase the necessary Health and Safety gear for trainees and interns.	no	1			
	TOTAL OF BILL NO. 9 CARRIED FORWARD TO THE SUMMARY PAGE					R

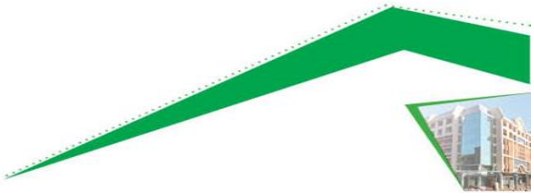
	BILL 10.PROVISIONAL SUM						
	MAINTENANCE, REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI DISTRICT FOR A PERIOD OF 2 YEARS						
ITEM NO.	**DESCRIPTION**		**Unit**	**Qty**	**Rate**		**AMOUNT**
					Material	**Labour**	R
10.1	**TRAINING OF DEPARTMENTAL TRAINEES (apt cod student)**						
	The contractor will be responsible for the training of two Departmental trainees during their practical training period. One trainee per contractor's team working shall be accommodated for the duration of the repair phase of the contract (12 months). At the end of training provide the proof of competent (certificates)	no	**1**				R150000
10.2	**TRAINING OF DEPARTMENTAL Professionals**						
	To ensure transfer of skills, the contract should train the departmental Professionals involved in the project.	**no**	**1**				R130000
	TOTAL OF BILL NO. 10 CARRIED FORWARD TO THE SUMMARY PAGE						R



PRICE SUMMARY PAGE

MAINTENANCE, REPAIRS OF ELECTRICAL AND MECHANICAL INSTALLATIONS AND ACCESS CONTROL TO STATE OWNED BUILDINGS IN CHRIS HANI DISTRICT FOR A PERIOD OF 2 YEARS

ITEM NO.	DESCRIPTION	AMOUNT
1	**BILL 1.PRELIMINARY & GENERAL**	
2	**BILL 2. CABLES AND ACCESSORIES**	
3	**BILL 3. DISTRIBUTION BOARDS AND SWITCHGEARS**	
4	**BILL 4. CONDUIT ,BOXES AND ACCESSORIES**	
5	**BILL NO. 5 POWER SKIRTING AND POWER TRUNKING**	
6	**BILL 6. GENERAL LIGHT FITTINGS AREA POLE LIGHT FITTINGS**	
7	**BILL 7.SOCKET OUTLET ,_SWITCHES AND ACCESSORIES**	
8	**BILL 8. MECHANICAL AND ACCESS CONTROL**	
9	**BILL 9. SUNDRY ITEMS**	
10	**BILL 10. PROVISIONAL SUM**	
	SUBTOTAL	
	CONTIGENCY 10%	
	SUBTOTAL	
	ADD 15% VAT (if applicable)	
	TOTAL OFFER INCL. VAT (carried to form of offer and acceptance)	**R**



PART C3
SCOPE OF WORKS

C3 Scope of Work

Project Name:	**Buildings Infrastructure Maintenance /Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
Tender No:	**SCMU5-23/24-0008CHR**

C3.1 SCOPE OF WORKS

DESCRIPTION OF THE WORKS

The Scope of Works is applicable to all units, which includes:

DISTRIBUTION BOARDS

Scope

The general checklist includes the following:

- Inspect and clean the distribution boards treat the enclosure for moisture ingress and corrosion.
- Check for rigidity and fastening of equipment trays, panels, doors and handling devices.
- Check locking mechanism and fit padlock. All padlocks shall be of local manufacture with brass bodies and 75 mm chrome shackles. Three keys (with PVC labels) shall be provided for each lock. Replace damaged or missing faceplates, doors, mounting frames, handles, thumb catches, etc.
- Check operation of distribution board equipment and meters, replace if faulty or damaged with an approved type.
- Remove all obsolete equipment and meters. Check and fasten wiring and cable terminations.
- Re-arrange wiring and equipment to give a neat installation. Trace outgoing circuits.
- Fit labelling and blank face plate covers.
- Replace the distribution boards if required and replacement is approved by Engineer. Check earth bar and earth continuity, record.
- Label all wiring and cabling with Grafoplast Trasp PVC markers.

LUMINAIRES

Scope

- Service luminaires: remove lens and lamp. Wash lens thoroughly. Wash luminaire body with detergent.
- Clean polished pure aluminium reflectors with benzine.
- Check condition of internal wiring, capacitor, ballasts and starters. Check condition of neoprene seal and replace if worn or damaged. Check condition of lamp holder.
- Seal conduit and wiring entry with silicone to eliminate water ingress. Fit new lamp.
- Check condition of earth stud and luminaire earth connection. Replace all missing screws, lens catches, bolts.
- Close cover securely, check stirrup bolts.
- Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and electronic control gear, if applicable.

LIGHT SWITCH

Scope

- Remove switch cover.
- Check continuity of earth connection.
- Check operation of switch and replace if suspect.
- Replace switch cover, fit new csk stainless steel screws if required.
- Switch cover shall be fitted with an engraved Traffolite label as per Nosa-standard
- Replace light switch: Remove existing damaged light switch, supply and install similar and approved light switch, if applicable

PHOTOCELL

Scope

- Wash translucent body with detergent. Cover photocell and verify operation. Check bypass manual switching circuit.
- Enclose all exposed wiring in 16 mm ø sprague.
- Replace photocell: Remove existing damaged photocell, supply and install similar and approved photocell, if applicable

POWER OUTLET AND FIXED APPLIANCES

Scope

- Inspect all power outlets and verify earthing.
- Check contact points and tighten screws.
- Replace missing screws and covers for outlet and draw boxes.
- Replace missing, faulty or damaged socket outlets and plugs.
- Check conditions and operation of local isolators and control switches for fixed equipment and replace if faulty, damaged or missing.
- Check earthing of fixed appliances and test for earth continuity. Inspect cable and wireways.
- Check for rigidity and fastening of the cable ducts, ladders, ducting, powerskirting and surface conduiting, fasten or replace if loose or damaged, check earthing and test for earth continuity.

EARTHING, BONDING AND LIGHTNING PROTECTION

Scope

- Check earthing and bonding of outlet points, equipment, cable and wireways, fixed appliances, water and gas pipes, etc.
- Check installation and termination of protective conductors and earth electrodes. Test for earth continuity.
- Provide 6 mm^2 copper earth wire jumper between roof cladding and all gutter downpipes. Fasten with lugs and galvanized zinc bolts. Typically ten downpipes per housing unit. Earth at least two gutter downpipes by means of 16mm^2 green insulated earth wire connected to 1.2m earth electrode by means of cadwelding. Typically two downpipes per 25m long housing unit.

AREA LIGHTING

Scope

- Service mast distribution boards and supply kiosks: Clean, label, check terminations and earthing. Service each luminaire, open control gear enclosures and treat for moisture ingress and corrosion. Wash luminaires with detergent and clean lenses. Check and replace neoprene seals.
- Re-lamp luminaires. Replace luminaires: Remove existing damaged luminaires, supply and install similar and approved luminaires complete with lamps and control gear, if applicable.
- Check consistency of aiming angles and tighten mounting bracket bolts

- Check pole covers; measure earthing continuity and tighten foundation bolts. Replace all padlocks on distribution boards and kiosks.

ELECTRIC FENCING

Scope

- Check for any visible damage to the electric fence
- Check for broken insulators to prevent strand from touching post
- Check that insulated cables are not abraded
- Check that the metal fibres of the strand have not separated
- Check for any loose connection on the wires
- Clean charger of any spider web and dust
- Check that the battery is in good working condition

TESTING

Scope

It is the responsibility of the Contractor to provide all labour, accessories and properly calibrated and certified measuring instruments necessary to record the following parameters (but not limited to):

- continuity of ring final circuit conductors
- continuity of protective conductors, including main and supplementary equipotential bonding earth electrode resistance
- insulation resistance polarity
- earth fault loop impedance
- operation of residual current devices phase voltage
- current per phase illumination levels in lux

Mechanical and Access control

- Check the functionality of Automated gates and fix if required
- Check ZiP hydroboils fix or changed when required
- Check the boom gates and fix
- Repair/fix Automated gates
- Repair/fix Boom gates

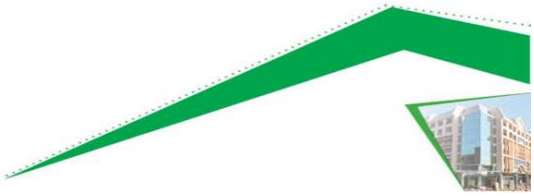
The Contractor is responsible for the arrangement of such tests. He shall give at least 72 hours' notice to the Engineer prior to the test date.

Extent of the Works

The extent of the works shall be as follows:

The above description of the works is not necessary complete and shall not limit the service, works and maintenance activities under this contract.
The *Contractor* will be fully responsible for meeting all requirements in this document regarding the Works.
Upon arrival at the *Employer's* premises, at the pre-arranged time, the *Contractor* shall report to the *Departmental representative and* attend to any matters which may necessitate action.

- Upon completion of the maintenance visit, the Contractor shall complete a comprehensive inspection report in respect of equipment components as per the schedule in all locations, listing all activities undertaken, additional work performed and consumables used. This inspection report is to be submitted to the Departmental representative for record keeping and endorsement before leaving the premises.
- The Contractor shall produce weekly reports for all the maintenance work undertaken. Detailed maintenance sheets shall be completed after service upon every service.
- During monthly maintenance a preventive works order shall be issued to the Contractor detailing activities to be undertaken on the specified equipment, if additional work is required to be carried out the Contractor shall notify the Departmental representative. The Departmental representative shall then issue a corrective works order giving instructions to the Contractor to rectify the problem. All works orders shall be completed and closed within 48hrs after the work has been performed.
- For each piece of equipment, all work will be carried out to standards as required by Department's specific work instructions and the applicable SANS standards. Where OEM standards differ from those required by this document the more stringent requirement shall apply. The Contractor will be fully responsible for obtaining (and keeping up to date with) said requirements.
- **The Contractor will be responsible for providing staff which are sufficiently skilled and qualified for successful execution of the works**. The Contractor shall comply with the Minimum Staffing Schedule at all times. This may be amended by mutual arrangement between the Department and the Contractor from time to time.
- The Contractor will ensure that his/her staff compliment is of a sufficient quantity to allow for uninterrupted supply of labour in the event of his/her staff taking sick leave, paid leave and will allow for all staff related eventualities.



The Contractor shall continuously ensure that all staff is suitable, able and competent for the duties required of them. The Contractor shall continuously ensure that all staff is knowledgeable, trustworthy and competent of the standby generator Maintenance activities/procedures in the area. The

- Contractor shall further ensure that any staff member reasonably suspected of partaking in criminal activities is immediately removed from site and his permit returned and/or cancelled at the Department.
- All work shall be performed within the required Response Times – as stipulated. Any breakdown impacting on operations shall be attended-to until restored to good reliable condition. No breakdown may be left unattended or incomplete for the next day or shift. All repair work shall carry a defect free guaranteed period of 3 months after completion of work.
- The Contractor will be responsible for holding all tools and/or special equipment that might be required for the execution of the works, either on site or on their premises in order to comply with the Response Time requirements of this contract. Any exclusion to the above should be clearly communicated in the returnable schedules when submitting the tender.
- The Contractor shall ensure that, unless a special arrangement is made with the Departmental representative, all senior staff members and on-site support staff is always immediately reachable via cell phone.
- The Contractor shall ensure that all maintenance staff are issued with uniforms that will comply with a minimum requirement as agreed with the Departmental representative from time to time. Current Departmental requirements are: safety shoes, and a uniquely numbered reflective jacket (for easy identification via CCTV).

MANAGEMENT OF THE WORKS

All work shall conform to all relevant SANS standards, OHS ACT regulations and all other legislation that might be relevant to this Contract and the execution thereof.
All work shall be carried out in accordance with prevailing industry norms and best practice and will at all times comply with OEM requirements.

Planning and programming

All maintenance work shall be scheduled and a roster presented to the Departmental representative at the end of the preceding month. Work shall be scheduled in a manner as not to interfere with any normal Departmental operations.
Normal Departmental operational hours shall be from 08:00 to 16:30 for every day of the year. The maintenance staff will be on standby 24 hours per day.

As a minimum requirement, the Contractor shall roster scheduled preventative maintenance activities.
Maintenance teams will attend to scheduled preventative maintenance, non-scheduled maintenance and breakdown maintenance. The Contractor must ensure that no scheduled maintenance work is carried over to the following week.
All Preventative Maintenance shall be scheduled, at least, to the requirements of the industry norms and standards.

Methods and procedures

The Contractor must accept and respect the fact that the Departments are continuously undergoing construction and improvement and that a variety of stakeholders are involved in Government's business. Therefore, within reason and

with prior arrangement with the Contractor, the Department might require the following from time to time:

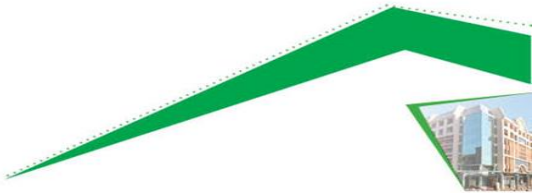
- Assisting with Departmental Operations Re-scheduling of work to accommodate other Contractor.
- Pointing out services to consultants or other Contractor
- Providing access to other Contractor
- Attending co-ordination and planning meetings
- Removing rubble and/or equipment from site
- Training of Training of Departmental Electrical/Mechanical staff and/or technicians
- Recommending improvements on maintenance procedures
- Recommending improvements on operational procedures
- Co-operating with Departmental Security relating to security issues

The Departmental representative may instruct operational and works procedures to the Contractor as might be required from time to time. The Contractor will instruct his/her staff accordingly and implement measures to ensure that these procedures are strictly adhered to.

Quality plans and control

All work must be executed in accordance with prevailing industry norms and standards relating to quality. In this regard, the Contractor will be expected to draft quality plans for the Departmental representative from time to time. Emphasis must be on improving equipment reliability and on ensuring that roistered maintenance work is indeed performed as and when required.

Environment



The Contractor will keep noise and dust levels to a minimum. At no time shall his/her work result in nuisance, interference or danger to the public or any other person working in the premises concerned.

At no time shall the Contractor:
allow any polluted or toxic substance to be released into the air or storm water systems, interfere with, or put at risk on the functionality of any system or service Cause a fire or safety hazard

Format of communications

Work instructions, daily check sheets, monthly maintenance reports, inventory reports, breakdown reports, exception/defects reports, etc. will all be in a format as agreed with the Departmental representative.

Key personnel

A schedule of key personnel to this Contract (as per the Schedules) will be provided to the Departmental representative at commencement of this Contract. This will, as a minimum, include all persons from technician level to management level.

PART C4
SITE INFORMATION

C4.1 SITE INFORMATION

Project title:	**Buildings Infrastructure Maintenance / Repairs of electrical and mechanical installations and access control to state owned buildings in Chris Hani district for a period of two (2) years.**
Project Number:	**SCMU5-23/24-0008CHR**

GENERAL

Prospective bidders to familiarize themselves with the locality, access, any other “restrictions”.

Existing Site/Premises to be fenced at all times.
List of various state owned buildings where maintenance services

BUILDING	LOCATION
DPW&I District offices	Queenstown
DoH/DRDAR Offices	Bathandwa Ndondo Office Complex Queenstown
DEDEAT Offices	Bathandwa Ndondo Office Complex Queenstown
DoE/DRDAR	Cala Convent Complex, Cala
Dept. Human Settlements	Bathandwa Ndondo office Complex, Queenstown
Dept. Education	Bathandwa Ndondo Office Complex Queenstown
Dept. Transport and DPW&I	Queenstown
DoE/DRDAR	Lady Frere One Stop Centre
DoSD/DPWI,	Cala Depot
W/sea DPWI Depot	Whittlesea
DoSD/DRDAR	Ngcobo Social cluster

Note: The scope of the works is not limited to the buildings mentioned in the site information, further information can be obtained from the Technical Departmental representative mentioned in this document.