



public works
& infrastructure

Department:
Public Works and Infrastructure
REPUBLIC OF SOUTH AFRICA

CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR
SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR
TWELVE (12) MONTHS - EHLANZENI REGION

TENDER NO: NST22/042

TENDER DOCUMENT

OCTOBER 2022

NATIONAL DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

Nelspruit Regional Office

30 Brown Street

NEDBANK BUILDING

9TH Floor

NELSPRUIT

1200

NAME OF TENDERER.....

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	NST21/042	CLOSING DATE:	02/11/2022	CLOSING TIME:	11:00
DESCRIPTION	CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (DPW04.1 GS or DPW04.2 GS). BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS) 30 BROWN STREET, NEDBANK BUILDING, FLOOR 9, NELSPRUIT, 1200					
OR POSTED TO: PRIVATE BAG X11280, NELSPRUIT, 1200					
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					
		TCS PIN:		OR	CSD No:
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE (TICK APPLICABLE BOX)		<input type="checkbox"/> Yes <input type="checkbox"/> No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT <input type="checkbox"/> Yes <input type="checkbox"/> No	
IF YES, WHO WAS THE CERTIFICATE ISSUED BY?					
AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX		<input type="checkbox"/> AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)			
		<input type="checkbox"/> A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)			
		<input type="checkbox"/> A REGISTERED AUDITOR NAME:			
[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]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	
				<input type="checkbox"/> Yes <input type="checkbox"/> No [IF YES ANSWER PART B:3 BELOW]	
SIGNATURE OF BIDDER				DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g., resolution of directors, etc.)					
TOTAL NUMBER OF ITEMS OFFERED				TOTAL BID PRICE ('ALL APPLICABLE TAXES)	
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:			
DEPARTMENT/ PUBLIC ENTITY				CONTACT PERSON	
CONTACT PERSON				TELEPHONE NUMBER	
TELEPHONE NUMBER				FACSIMILE NUMBER	
FACSIMILE NUMBER				E-MAIL ADDRESS	
E-MAIL ADDRESS					

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 ONLINE
- 1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
- 1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
- 1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.

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 VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / 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.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- | | |
|--|--|
| 3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA? | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA? | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA? | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID. AN ORIGINAL OR CERTIFIED COPY OF THE B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE.

Note Well:

- a) In respect of non VAT vendors the bidders may not increase the bid price under Section 67(1) of the Value Added Tax Act of 1991 where the relevant transaction would become subject to VAT by reason of the turnover threshold being exceeded and the bidder becomes liable for VAT.
- b) **All delivery costs must be included in the bid price, for delivery at the prescribed destination.**
- c) The price that appears on this form is the one that will be considered for acceptance as a firm and final offer.
- d) The grand total in the pricing schedule(s), inclusive of VAT, attached to the bid offer must correlate and be transferred to this form (PA32).
- e) Where there are inconsistencies between the grand total price offer in the pricing schedule(s) and the PA32 price offer, the price offer on the PA32 shall prevail and deemed to be firm and final. No further correspondence shall be entered into in this regard.

¹ All applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies

PA-04 (EC): NOTICE AND INVITATION TO TENDER

THE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE INVITES TENDERS FOR:

Project title:	CLUSTER: UNSCHEDULED MAINTENANCE FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION
----------------	---

Tender no:	NST22/042	Reference no:	
Advertising date:	13/10/2022	Closing date:	02/11/2022
Closing time:	11:00	Validity period:	12 Weeks (84 calendar days)

1. REQUIRED CIDB GRADING

It is estimated that tenderers should have a CIDB contractor grading designation of **2 EB** or **select tender value range select class of construction works*** or higher.

** Delete "or select tender value range select class of construction works" where only one class of construction works is applicable*

It is estimated that potentially emerging enterprises should have a CIDB contractor grading designation of **1EB PE** or **select tender value range select class of construction works PE*** or higher.

** Delete "or select tender value range select class of construction works PE" where only one class of construction works is applicable*

2. RESPONSIVENESS CRITERIA

2.1 Substantive responsiveness criteria

Only tenderers who are responsive to the following substantive responsiveness criteria are eligible to submit tenders. Failure to comply with the criteria stated hereunder shall result in the tender offer being disqualified from further consideration:

1	<input checked="" type="checkbox"/>	Only those tenderers who satisfy the eligibility criteria stated in the Tender Data may submit tenders.
2	<input checked="" type="checkbox"/>	Tender offer must be properly received on the tender closing date and time specified on the invitation, fully completed either electronically (if issued in electronic format), or by writing legibly in non-erasable ink. (All as per Standard Conditions of Tender).
3	<input checked="" type="checkbox"/>	All parts of tender document submitted must be <u>fully completed in ink and signed where required</u>
4	<input checked="" type="checkbox"/>	Use of correction fluid is prohibited.
5	<input type="checkbox"/>	Submission of (DPW-07 EC): Form of Offer and Acceptance.
6	<input type="checkbox"/>	Submission of (PA-16): Preference points claim form in terms of the Preferential Procurement Regulations 2017.
7	<input checked="" type="checkbox"/>	Submission of (PA – 36 and Annexure/s C): Declaration Certificate for Local Production and Content for designated sectors.
8	<input checked="" type="checkbox"/>	Submission of DPW-16 (EC): Site Inspection Meeting Certificate.
9	<input checked="" type="checkbox"/>	Submission of record of attending compulsory virtual bid clarification / site inspection meeting.
10	<input type="checkbox"/>	Submission of Proof of 30% Subcontracting participation and related documents in terms of the Preferential Procurement Regulations 2017.
11	<input checked="" type="checkbox"/>	EB registered contractor must attach a certified copy of the letter from Department of Labour for being active as an electrical contractor.

Tender no: Error! Reference source not found.

PA-04 (EC): Notice and Invitation to Tender

12	<input checked="" type="checkbox"/>	Contractor to submit valid certified copy of calibration certificate for multimeter and insulation tester from one of the accredited body.
13	<input type="checkbox"/>	The tenderer shall submit his fully priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts) together with his tender.
14	<input type="checkbox"/>	The tenderer shall submit his fully priced and completed sectional summary- and final summary pages with the tender.
15	<input type="checkbox"/>	Specify other responsiveness criteria
16	<input type="checkbox"/>	Specify other responsiveness criteria
17	<input type="checkbox"/>	Specify other responsiveness criteria
18	<input type="checkbox"/>	Specify other responsiveness criteria

2.2 Administrative responsiveness criteria

The Employer reserves the right to request further information regarding the undermentioned criteria. Failing to submit further clarification and/or documentation within seven (7) calendar days from request or as specifically indicated, will disqualify the tender offer from further consideration.

1	<input checked="" type="checkbox"/>	Any correction to be initialled by the person authorised to sign the tender documentation as per PA 15.1 or PA 15.2 resolution of board/s of directors / or PA15.3 Special Resolution of Consortia or JV's .
2	<input checked="" type="checkbox"/>	Submission of applicable (PA-15.1, PA-15.2, PA-15.3): Resolution by the legal entity, or consortium / joint venture, authorising a dedicated person(s) to sign documents on behalf of the firm / consortium / joint venture.
3	<input checked="" type="checkbox"/>	Submission of (PA-11): Bidder's disclosure.
4	<input checked="" type="checkbox"/>	Submission of (PA-29): Certificate of Independent Bid Determination.
5	<input checked="" type="checkbox"/>	Submission of (PA 40): Declaration of Designated Groups for Preferential Procurement.
6	<input checked="" type="checkbox"/>	Submission of proof of Registration on National Treasury's Central Supplier Database (CSD).
7	<input checked="" type="checkbox"/>	Submission of DPW-09 (EC): Particulars of Tenderer's Projects.
8	<input checked="" type="checkbox"/>	Submission of DPW-21 (EC): Record of Addenda to tender documents.
9	<input type="checkbox"/>	Submission of DPW-16 (EC): Site Inspection Meeting Certificate.
10	<input checked="" type="checkbox"/>	Submission of PA16 Preference points claim form in terms of Preferential Procurement Regulation 2017.
11	<input checked="" type="checkbox"/>	The tenderer will be required to submit his fully priced Bills of Quantities / Lump Sum Documents (complete documents inclusive of all parts) together with his tender.
12	<input type="checkbox"/>	Upon request, submission of a fully completed security clearance application form with supporting documentation and information as required. The security clearance form will be provided by the Employer for projects requiring a security clearance.
13	<input type="checkbox"/>	Submission of DPW-15 (EC): Schedule of proposed sub-contractors
14	<input checked="" type="checkbox"/>	The tenderer shall submit his fully priced Bills of Quantities (complete document inclusive of all parts) within 14 days from request.
15	<input checked="" type="checkbox"/>	Upon request, submission of fingerprints obtainable from local SAPS including any other additional documentation and information required for vetting purposes.

Tender no: Error! Reference source not found.

3. PRE-QUALIFICATION CRITERIA

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

PA-04 (EC): Notice and Invitation to Tender

Preferential procurement: *Applicable*

Tenderer must comply with the Pre-qualification criteria for Preferential Procurement listed below

<input checked="" type="checkbox"/>	<p>A tenderer having stipulated minimum B-BBEE status level of contributor:</p> <p><input checked="" type="checkbox"/> Level 1 or <input type="checkbox"/> Level 2 or <input type="checkbox"/> Level 3</p>
<input type="checkbox"/>	An EME or QSE
<input type="checkbox"/>	<p>A tenderer subcontracting a minimum of 30% to:</p> <p><input type="checkbox"/> An EME or QSE which is at least 51% owned by black people <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people who are youth <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people who are women <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people with disabilities <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people living in rural or underdeveloped areas or townships <input type="checkbox"/> A co-operative which is at least 51% owned by black people <input type="checkbox"/> An EME or QSE which is at least 51% owned by black people who are Military veterans <input type="checkbox"/> An EME or QSE;</p>

Functionality: *Applicable*

Note: All bids involving the acquisition of engineering and construction works from cidb Grade 4 and above are subjected to functionality.

Note: Functionality will be applied as a prequalification criterion. Such criteria are used to establish minimum requirements where after bids will be evaluated solely on the basis of price and preference.

Minimum functionality score to qualify for further evaluation:	70
Functionality criteria:	Weighting factor:
LOCALITY Bidder must attach proof of residence, attach utility bills (water and electricity) or lease agreement of the office, Proof of residence form municipality or tribal authority. of the directors of the company. Proof of residence within Ehlanzeni District = 5 Gert Sibande and Nkangala = 1 Outside Mpumalanga = 0	40
EXPERIENCE Contractor to provide appointment letters/orders, (Current and completed) for electrical related projects. Ensure Completion of the project are listed on the DPW 09 (EC) as attached in the Tender Document 5 Projects and Above with = 5 POINTS 4 Projects = 4 POINTS 3 Projects = 3 POINTS 2 Projects = 2 POINTS 1 Project = 1 POINT No project = 0	25

PA-04 (EC): Notice and Invitation to Tender

TRANSPORT Contractor to submit proof of Evidence of vehicle owned by the bidder to execute the project. Proof of vehicle should be a vehicle licence registration, under one of the directors or company name. LDV - Light Delivery Vehicle 1 or more LDV = 5 None of the above = 0	15
FINANCIAL CREDIBILITY Provide Bank rating letter from bank institute to justify Credit risk GRADE A = 5 POINTS GRADE B = 4 POINTS GRADE C = 3 POINTS GRADE D = 2 POINTS GRADE E = 1 POINT or Proof of banking details with No rating Provided	20
Total	100 Points

Tender no: Error! Reference source not found.

4. BID EVALUATION METHOD

This bid will be evaluated according to the preferential procurement model in the PPPFA: (Tick applicable preference point scoring system)

<input checked="" type="checkbox"/> 80/20 Preference points scoring system	<input type="checkbox"/> 90/10 Preference points scoring system	<input type="checkbox"/> Either 80/20 or 90/10 Preference points scoring system
--	---	---

In case where below/above R 50 000 000 is selected, the lowest acceptable tender will be used to determine the applicable preference point system.

5. ELIGIBILITY IN RESPECT OF RISK TO THE EMPLOYER:

Standard risk management assessment criteria in respect of tenders received for routine projects in the engineering and construction works environments:

Tender offers will be evaluated by an Evaluation Committee based on the technical and commercial risk criteria listed hereunder. Each criterion carries the same weight / importance and will be evaluated individually based on reports presented to the Bid Evaluation Committee by the Professional Team appointed on the project. A tender offer will be declared non-responsive and removed from any further evaluation if any one criterion is found to present an unacceptable risk to the Employer.

In order for the evaluation reports to be prepared by the Professional Team, the Tenderer is obliged to provide comprehensive information on form DPW-09 (EC). Failure to complete the said form will cause the tender to be declared non-responsive and removed from any further consideration. The Employer reserves the right to request additional information over and above that which is provided by the Tenderer on said form. The information must be provided by the Tenderer within the stipulated time as determined by the Bid Evaluation Committee, failing which the tender offer will *mutatis mutandis* be declared non-responsive.

5.1 Technical risks:

Criterion 1: Experience on comparable projects during the past 5 years.

The tendering Service Provider's experience on comparable projects during the past 5 years. The number of current and previous comparable projects performed by the Tenderer as per the evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC), as well as, if necessary, of any additional work executed by the Tenderer, not reflected on form DPW-09 (EC). Failing to provide contactable references will result in the tender offer will be *mutatis mutandis* declared non-responsive.

Aspects to be regarded as "comparable" includes (but may be extended according to circumstances): size of projects (measured against monetary value or other project quantifying parameters), nature of projects (building, engineering, high/low rise, etc.), locality/area of execution (site-specific influences, knowledge of local conditions, etc.), complexity of project, projects for similar client department irrespective of end purpose of buildings/facilities created or in progress of being created and time scales of projects (normal, fast track, etc.) and stage of its/their development.

Criterion 2: Contractual commitment and quality of performance on comparable projects during the past 5 years.

Adherence to contractual commitments and quality of performance of comparable current and previous projects performed by the Tenderer as per the evaluation report prepared by the Consultant Team, based on its research and inspection of a representative sample of the Tenderer's current and previous work as reflected on form DPW-09 (EC), as well as, if necessary, of any additional work executed by the Tenderer,

Tender no: Error! Reference source not found.

not reflected on form DPW-09 (EC). Failing to provide contactable references will result in the tender offer be *mutatis mutandis* declared non-responsive.

Aspects to be considered include, but are not limited to the following:

1. The level of progress on current projects in relation to the project programme or, if such is not available/applicable, to the contractual construction period in general;
2. The degree to which previous projects have been completed within the contractual completion periods and/or extensions thereto, and the extend of penalties imposed;
3. Project performance: time management & programming of works, timeous ordering of materials and appointment of subcontractors;
4. Financial management: payment to suppliers and cash flow problems;
5. Quality of workmanship: extent of reworks and timeous attention to remedial works;
6. Personnel resources: suitably qualified and experienced, turnover in site staff and labour force, specifically site manager and foreman;
7. Personnel management: extent of labour disputes and ability to resolving labour disputes amicably;
8. Sub-contractors: extent of turnover in subcontractors, general liaison and payment problems experienced;
9. Contract administration: contractual aspects such as complying to laws and regulations, insurances, security, submission of required documentation timeously, reaction to written contract instructions, appointments of subcontractors, etc. as can generally be expected in standard/normal conditions of contract.
10. Health & Safety: adherence to regulations and compliance, and number of transgressions & serious incidents.
11. Plant & equipment: sufficient resources on site and in time.
12. Delays: extent of causing delays, submission of claims timeously, and abuse of or exaggerated delay claims.
13. Final account: extent to which the contractor assisted in finalising the final account.

Criterion 3: Suitably qualified and appropriately experienced human resources

Allocation of suitably qualified and appropriately experienced human resources, both in respect of principals and/or other staff (contract manager, site agent, site foreman including other professional, technical and/or

PA-04 (EC): Notice and Invitation to Tender

administrative) of the tendering Service Provider to the project, as proof that the tendering Service Provider will be able to react/respond appropriately to the Services required herein. The Company Organogram with CV's and certified ID's of all principals and employed workforce as well as proof of Professional Registration will be verified. Current and future workload of the tenderer in relation to capacity and capability will also be considered. The tenderer should demonstrate that he or she possesses the necessary professional and technical qualifications and -competence in relation to the scope of work and work to be undertaken.

Criterion 4: Attendance of compulsory bid clarification meeting, if applicable

If applicable, submission of confirmation of DPW-16.1 (PSB) attendance of compulsory bid clarification meeting or proof of attending the compulsory virtual meeting by a suitably qualified and experienced representative of the tenderer in terms of PA-04 (EC): Notice and Invitation to Tender.

5.2 Commercial risks:

The financial viability assessment evaluates the risk over the life of the construction period, as to whether the tenderer will be able to deliver the goods and services which are specified in the contract and / or be able to fulfil guarantees or warranties provided for in the contract in order to complete the project successfully for the amount tendered.

Aspects to be considered include but are not limited to, the respective rates tendered, bank rating, financial capability and capacity whether the tenderer has or has access to sufficient financial resources to deliver the goods or services described in the tender documentation (including fulfilling any guarantees or warranty claims), whether the tenderer is not subject to any current or impending legal action (either formal proceedings or notification of legal action) which could impact on the financial standing of the tenderer or the delivery of the goods or services, financial report from auditors as proof of current liquidity, and company or any parent company or investor guarantee/s and financial statements.

Tender no: Error! Reference source not found.

6. CONTRACT PARTICIPATION GOAL TARGETS AND CIDB B.U.I.L.D. PROGRAMME

The contractor shall achieve in the performance of the contract the following Contract Participation Goals (CPGs) as described in PG-01.2 (EC): Scope of Work and PG-02.2 (EC): Pricing Assumptions and in accordance with the feasibility study, which forms part of the specifications in the CPG Section of the Specification of this contract.

(a)	Minimum 30% mandatory Subcontracting to SMMEs in accordance with the Preferential Procurement Policy Framework Act, 2000: Preferential Procurement Regulations, 2017 as published in the Government Gazette Notice No. 40553 of 20 January 2017 – Condition of Tender. (Applicable to all projects above R30 Mil for all class of works categories)	Not applicable
(b)	Minimum Targeted Local Manufacturers of Material Contract Participation Goal, in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract. (Applicable to projects which require 7GB or 7CE cidb grading, i.e. R20 000 001 and above with minimum 6 month construction period)	Not applicable
(c)	Minimum Targeted Local Building Material Suppliers Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract. (Applicable to projects which require 7GB or 7CE cidb grading, i.e. R20 000 001 and above with minimum 6 month construction period)	Not applicable
(d)	Minimum Targeted Local Labour Skills Development Contract Participation Goal in accordance with the cidb Standard for Contract Participation Goals for Targeting Enterprises and Labour through Construction Works Contracts as published in the Government Gazette Notice No. 41237 of 10 November 2017, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020	Not applicable

PA-04 (EC): Notice and Invitation to Tender

	– Condition of Contract. (Applicable to projects which require Grade 7 to 9 cidb grading, i.e. R20 000 001 and above with minimum 12 month construction period)	
(e)	cidb BUILD Programme: Minimum Targeted Enterprise Development Contract Participation Goal in accordance with the cidb Standard for Indirect Targeting for Enterprise Development through Construction Works Contracts, No 36190 Government Gazette, 25 February 2013, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract. (Applicable to projects which require 7GB or 7CE cidb grading, i.e. R20 000 001 and above with minimum 6 month construction period)	Not applicable
(f)	cidb BUILD Programme: Minimum Targeted Contract Skills Development Goal in accordance with the cidb Standard for Developing Skills through Infrastructure Contracts as published in the Government Gazette Notice No. 43495 of 3 July 2020, as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 as amended in cidb Best Practice Project Assessment Scheme Notice No. 43726 of 18 September 2020 – Condition of Contract. (Applicable to projects which require cidb Grade 7 and above for all class of works categories, i.e. R20 000 001 and above with minimum 12 month construction period)	Not applicable
(g)	DPWI National Youth Service training and development programme (NYS) – Condition of Contract. (Applicable to projects with a minimum contract value R2 Mil and minimum 12 month construction period.	Not applicable
(h)	Labour Intensive Works – Condition of Contract. (Applicable to all CE projects and all GB projects ≥ R30 million)	Not applicable

Tender no: Error! Reference source not found.

(i)		Select
(j)		Select

7. COLLECTION OF TENDER DOCUMENTS

- ☐ Bid documents are available for free download on e-Tender portal www.etenders.gov.za
- ☐ Alternatively; Bid documents may be collected during working hours at the following address **Nelspruit Regional Office, 30 Brown Street 9th Floor Nedbank Building**. A non-refundable bid deposit of R 100.00nt is payable (cash only) on collection of the bid documents.

8. SITE INSPECTION MEETING

A pre-tender site inspection meeting will **not be** held in respect of this tender.
Attendance of said pre- tender site inspection meeting is **not compulsory**

The particulars for said pre- tender site inspection meeting or virtual bid clarification / site inspection meeting. are:

PA-04 (EC): Notice and Invitation to Tender

Venue:	N/A		
Virtual meeting Link:	N/A		
Date:	N/A	Starting time:	N/A

9. ENQUIRIES

Enquiries related to tender documents may be addressed to:

DPWI Project Manager:	Mr. N.D MAVAYEYA	Telephone no:	013 753 6380
Cellular phone no:	081-861 9239	Fax no:	013 753 1705
E-mail:	Derick.Mavayeya@dpw.gov.za		

10. DEPOSIT / RETURN OF TENDER DOCUMENTS

Telegraphic, telephonic, telex, facsimile, electronic and / or late tenders will not be accepted.

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

All tenders must be completed in non-erasable ink and submitted on the official forms – (forms not to be re-typed).

Tender no: Error! Reference source not found.

Tender documents may be posted to: The Director-General Department of Public Works and Infrastructure Private Bag X 11280 Nelspruit 1200 Attention: Procurement section: Room 9th Floor	OR	Deposited in the tender box at: Nelspruit Regional Office Nedbank Building 30 Brown Street 9th Floor
--	----	---

11. COMPILED BY:

Mr. N.D. MAVAYEYA		13/10/2022
Name of Project Manager	Signature	Date

PA-09 (EC): LIST OF RETURNABLE DOCUMENTS

Project title:	CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION		
Tender / Quote no:	NST22/042	Reference no:	
Receipt Number:	<i>insert receipt number</i>		

1. RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

Note: Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration.

Tender document name	Number of pages issued	Returnable document
Form of Offer and Acceptance (DPW-07 EC)	4 Pages	Yes
Declaration of Interest and Tenderer's Past Supply Chain Management Practices (PA-11)	4 Pages	Yes
Resolution of Board of Directors (PA-15.1) <i>(if applicable)</i>	1 Page	Yes
Resolution of Board of Directors to enter into Consortia or JV's (PA-15.2) <i>(if applicable)</i>	2 Pages	Yes
Special Resolution of Consortia or JV's (PA-15.3) <i>(if applicable)</i>	3 Pages	Yes
Preference points claim form in terms of the Preferential Procurement Regulations 2017 (PA – 16)	5 Pages	Yes
Certificate of independent Bid Determination (PA - 29)	4 Pages	Yes
Declaration Certificate for Local Production and Content for designated sectors (PA – 36 and Annexure/s C)		Yes
Fully completed Declaration of Designated Groups for Preferential Procurement (PA 40)	2 Pages	Yes
Registration on National Treasury's Central Supplier Database (CSD).	-	Yes
Particulars of Tenderer's Projects (DPW-09 EC)	2 Pages	Yes
Site Inspection Meeting Certificate (DPW-16 EC) <i>(if applicable)</i> .	1 Page	Yes
Record of attending compulsory virtual bid clarification / site inspection meeting <i>(if applicable)</i> .	1 Page	Yes
Record of Addenda to tender documents (DPW-21 EC)	1 Page	Yes
Site Inspection Meeting Certificate (DPW-16 EC) <i>(if applicable)</i>	1 Page	
Proof of 30% Subcontracting participation and related documents in terms of the Preferential Procurement Regulations 2017 <i>(if applicable)</i> .		

* In compliance with the requirements of the CIDB SFU Annexure G

Tender no: **NST21/042**

2. ADDITIONAL RETURNABLE DOCUMENTS REQUIRED FOR TENDER EVALUATION PURPOSES

Note: Failure to submit the applicable documents will result in the Tenderer having to submit same upon request within a stipulated time and if not complied with, will result in the tender offer being disqualified from further consideration. [See also C.2.18 of the Standard Conditions of Tender]

Tender document name	Number of pages issued	Returnable document
Any <u>additional</u> information required to complete a risk assessment (if applicable)	-	Yes

3. RETURNABLE DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

Note: Failure to submit the applicable documents will result in the Tenderer having to submit same upon request within a stipulated time and if not complied with, will result in the tender offer being disqualified from further consideration. [See also C.2.18 of the Standard Conditions of Tender]

Tender document name	Number of pages issued	Returnable document
Schedule of proposed sub-contractors (DPW-15 EC) (if applicable)	1 Page	Yes
Particulars of Electrical Contractor (DPW-22 EC) (if applicable)	1 Page	Yes
Mechanical / Electrical / Security Work material and equipment schedules (if applicable)	Pages	Yes
Schedule for Imported Materials and Equipment (DPW-23 EC) (if applicable)	1 Page	Yes

4. OTHER DOCUMENTS THAT WILL BE INCORPORATED INTO THE CONTRACT

(Insert a tick in the "Returnable document" column to indicate which documents must be returned with the tender)

Note: Failure to submit the applicable documents will result in the tender offer being disqualified from further consideration.

Tender document name	Number of pages issued	Returnable document
Priced Bills of Quantities / Lump Sum Document (complete document inclusive of all parts)	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
Fully priced and completed sectional summary- and final summary pages with the tender.	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>insert document name</i>	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>insert document name</i>	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>insert document name</i>	Pages	<input type="checkbox"/> Yes <input type="checkbox"/> No

Tender no: **NST21/042**

5. ADDITIONAL INFORMATION THAT MAY BE REQUIRED FOR TENDER EVALUATION PURPOSES

Legal Status of Tendering Entity: If the Tendering Entity is:	Documentation to be submitted with the tender, or which may be required during the tender evaluation:
a. A close corporation, incorporated prior to 1 May 2011 under the Close Corporations Act, 1984 (Act 69 of 1984, as amended)	Copies of the Founding Statement – CK1
b. A profit company duly registered as a private company. [including a profit company that meets the criteria for a private company, whose Memorandum of Incorporation states that the company is a personal liability company in terms of Section 8(2)(c) of the Companies Act, 2008 (Act 71 of 2008, as amended)].	Copies of: i. Certificate of Incorporation – CM1; ii. Shareholding Certificates of all Shareholders of the company, plus a signed statement of the company's Auditor, certifying each Shareholder's ownership / shareholding percentage relative to the total; and/or iii. Memorandum of Incorporation in the case of a personal liability company.
c. A profit company duly registered as a private company in which any, or all, shares are held by one or more other close corporation(s) or company(ies) duly registered as profit or non-profit company(ies).	Copies of documents referred to in a. and/or b. above in respect of all such close corporation(s) and/or company(ies).
d. A profit company duly registered as a public company.	Copy of Certificate of Incorporation – CM1, and a signed statement of the company's Secretary or Auditor confirming that the company is a public company.
e. A non-profit company, incorporated in terms of Section 10 and Schedule 1 of the Companies Act, 2008 (Act 71 of 2008, as amended).	Copies of: i the Founding Statement – CK1; and ii the Memorandum of Incorporation setting out the object of the company, indicating the public benefit, cultural or social activity, or communal or group interest.
f. A natural person, sole proprietor or a Partnership	Copy(ies) of the Identity Document(s) of: i. such natural person/ sole proprietor, or each of the Partners to the Partnership.
g. A Trust	Deed of Trust duly indicating names of the Trustee(s) and Beneficiary (ies) as well as the purpose of the Trust and the mandate of the Trustees.

Signed by the Tenderer:

Name of representative	Signature	Date

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	NST22/042	CLOSING DATE:	02/11/2022	CLOSING TIME:	11:00
DESCRIPTION	CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (DPW04.1 GS or DPW04.2 GS).					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
30 BROWN STREET, NEDBANK BUILDING, FLOOR 9, NELSPRUIT, 1200					
OR POSTED TO:					
PRIVATE BAG X11280, NELSPRUIT, 1200					
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					
		TCS PIN:		OR	CSD No:
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE (TICK APPLICABLE BOX)		<input type="checkbox"/> Yes		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	<input type="checkbox"/> Yes
		<input type="checkbox"/> No			<input type="checkbox"/> No
IF YES, WHO WAS THE CERTIFICATE ISSUED BY?					
AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX		<input type="checkbox"/>	AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)		
		<input type="checkbox"/>	A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)		
		<input type="checkbox"/>	A REGISTERED AUDITOR		
		NAME:			
[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]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No (IF YES ENCLOSE PROOF)		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED? <input type="checkbox"/> Yes <input type="checkbox"/> No (IF YES ANSWER PART B:3 BELOW)	
SIGNATURE OF BIDDER				DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g., resolution of directors, etc.)					
TOTAL NUMBER OF ITEMS OFFERED				TOTAL BID PRICE ('ALL APPLICABLE TAXES)	
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:		TECHNICAL INFORMATION MAY BE DIRECTED TO:			
DEPARTMENT/ PUBLIC ENTITY		CONTACT PERSON			
CONTACT PERSON		TELEPHONE NUMBER			
TELEPHONE NUMBER		FACSIMILE NUMBER			
FACSIMILE NUMBER		E-MAIL ADDRESS			
E-MAIL ADDRESS					

PART A INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER:	NST22/042	CLOSING DATE:	02/11/2022	CLOSING TIME:	11:00
DESCRIPTION	CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION				
THE SUCCESSFUL BIDDER WILL BE REQUIRED TO FILL IN AND SIGN A WRITTEN CONTRACT FORM (DPW04.1 GS or DPW04.2 GS).					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX					
SITUATED AT (STREET ADDRESS)					
30 BROWN STREET, NEDBANK BUILDING, FLOOR 9, NELSPRUIT, 1200					
OR POSTED TO:					
PRIVATE BAG X11280, NELSPRUIT, 1200					
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					
		TCS PIN:		OR	CSD No:
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE (TICK APPLICABLE BOX)		<input type="checkbox"/> Yes		B-BBEE STATUS LEVEL SWORN AFFIDAVIT	
		<input type="checkbox"/> No			
IF YES, WHO WAS THE CERTIFICATE ISSUED BY?					
AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA) AND NAME THE APPLICABLE IN THE TICK BOX		<input type="checkbox"/> AN ACCOUNTING OFFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA)			
		<input type="checkbox"/> A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS)			
		<input type="checkbox"/> A REGISTERED AUDITOR			
		NAME:			
[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]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?		<input type="checkbox"/> Yes <input type="checkbox"/> No		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?	
		[IF YES ENCLOSE PROOF]		[IF YES ANSWER PART B:3 BELOW]	
SIGNATURE OF BIDDER				DATE	
CAPACITY UNDER WHICH THIS BID IS SIGNED (Attach proof of authority to sign this bid; e.g., resolution of directors, etc.)					
TOTAL NUMBER OF ITEMS OFFERED				TOTAL BID PRICE ('ALL APPLICABLE TAXES)	
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO:			TECHNICAL INFORMATION MAY BE DIRECTED TO:		
DEPARTMENT/ PUBLIC ENTITY			CONTACT PERSON		
CONTACT PERSON			TELEPHONE NUMBER		
TELEPHONE NUMBER			FACSIMILE NUMBER		
FACSIMILE NUMBER			E-MAIL ADDRESS		
E-MAIL ADDRESS					

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 ONLINE
- 1.3. BIDDERS MUST REGISTER ON THE CENTRAL SUPPLIER DATABASE (CSD) TO UPLOAD MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS; AND BANKING INFORMATION FOR VERIFICATION PURPOSES). B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
- 1.4. WHERE A BIDDER IS NOT REGISTERED ON THE CSD, MANDATORY INFORMATION NAMELY: (BUSINESS REGISTRATION/ DIRECTORSHIP/ MEMBERSHIP/IDENTITY NUMBERS; TAX COMPLIANCE STATUS MAY NOT BE SUBMITTED WITH THE BID DOCUMENTATION. B-BBEE CERTIFICATE OR SWORN AFFIDAVIT FOR B-BBEE MUST BE SUBMITTED TO BIDDING INSTITUTION.
- 1.5. THIS BID IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT 2000 AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER LEGISLATION OR SPECIAL CONDITIONS OF CONTRACT.

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 VIEW THE TAXPAYER'S PROFILE AND TAX STATUS.
- 2.3 APPLICATION FOR TAX COMPLIANCE STATUS (TCS) OR PIN MAY ALSO BE MADE VIA E-FILING. IN ORDER TO USE THIS PROVISION, TAXPAYERS WILL NEED TO REGISTER WITH SARS AS E-FILERS THROUGH THE WEBSITE WWW.SARS.GOV.ZA.
- 2.4 BIDDERS MAY ALSO SUBMIT A PRINTED TCS TOGETHER WITH THE BID.
- 2.5 IN BIDS WHERE CONSORTIA / JOINT VENTURES / SUB-CONTRACTORS ARE INVOLVED; EACH PARTY MUST SUBMIT A SEPARATE PROOF OF TCS / 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.

3. QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS

- | | |
|--|--|
| 3.1. IS THE BIDDER A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)? | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.2. DOES THE BIDDER HAVE A BRANCH IN THE RSA? | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.3. DOES THE BIDDER HAVE A PERMANENT ESTABLISHMENT IN THE RSA? | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| 3.4. DOES THE BIDDER HAVE ANY SOURCE OF INCOME IN THE RSA? | <input type="checkbox"/> YES <input type="checkbox"/> NO |

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

NB: FAILURE TO PROVIDE ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID. AN ORIGINAL OR CERTIFIED COPY OF THE B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE.

Note Well:

- a) In respect of non VAT vendors the bidders may not increase the bid price under Section 67(1) of the Value Added Tax Act of 1991 where the relevant transaction would become subject to VAT by reason of the turnover threshold being exceeded and the bidder becomes liable for VAT.
- b) **All delivery costs must be included in the bid price, for delivery at the prescribed destination.**
- c) The price that appears on this form is the one that will be considered for acceptance as **a firm and final offer.**
- d) The grand total in the pricing schedule(s), inclusive of VAT, attached to the bid offer must correlate and be transferred to this form (PA32).
- e) Where there are inconsistencies between the grand total price offer in the pricing schedule(s) and the PA32 price offer, the price offer on the PA32 shall prevail and deemed to be firm and final. No further correspondence shall be entered into in this regard.

¹ All applicable taxes" includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies

PA- 29: CERTIFICATION OF INDEPENDENT BID DETERMINATION

Project title:	CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION		
Bid no:	NST22/042	Reference no:	

INTRODUCTION

1. This PA-29 [Certificate of Independent Bid Determination] must form part of all bids¹ invited.
2. Section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, prohibits an agreement between, or concerted practice by, firms, or a decision by an association of firms, if it is between parties in a horizontal relationship and if it involves collusive bidding (or bid rigging).² Collusive bidding is a *per se* prohibition meaning that it cannot be justified under any grounds.
3. Treasury Regulation 16A9 prescribes that accounting officers and accounting authorities must take all reasonable steps to prevent abuse of the supply chain management system and authorizes accounting officers and accounting authorities to:
 - a. disregard the bid of any bidder if that bidder, or any of its directors have abused the institution's supply chain management system and or committed fraud or any other improper conduct in relation to such system.
 - b. cancel a contract awarded to a supplier of goods and services if the supplier committed any corrupt or fraudulent act during the bidding process or the execution of that contract.
4. This form (PA-29) serves as a certificate of declaration that would be used by institutions to ensure that, when bids are considered, reasonable steps are taken to prevent any form of bid-rigging.
5. In order to give effect to the above, the attached Certificate of Bid Determination (PA-29) must be completed and submitted with the bid:

¹ Includes price quotations, advertised competitive bids, limited bids and proposals.



² Bid rigging (or collusive bidding) occurs when businesses, that would otherwise be expected to compete, secretly conspire to raise prices or lower the quality of goods and / or services for purchasers who wish to acquire goods and / or services through a bidding process. Bid rigging is, therefore, an agreement between competitors not to compete.

CERTIFICATE OF INDEPENDENT BID DETERMINATION

I, the undersigned, in submitting the accompanying bid:

(Bid Number and Description)

in response to the invitation for the bid made by:

(Name of Institution)

do hereby make the following statements that I certify to be true and complete in every respect:

I certify, on behalf of: _____ that:

(Name of Bidder)

1. I have read and I understand the contents of this Certificate.
2. I understand that the accompanying bid will be disqualified if this Certificate is found not to be true and complete in every respect.
3. I am authorized by the bidder to sign this Certificate, and to submit the accompanying bid, on behalf of the bidder.
4. Each person whose signature appears on the accompanying bid has been authorized by the bidder to determine the terms of, and to sign the bid, on behalf of the bidder.
5. For the purposes of this Certificate and the accompanying bid, I understand that the word "competitor" shall include any individual or organization, other than the bidder, whether or not affiliated with the bidder, who:
 - (a) has been requested to submit a bid in response to this bid invitation;
 - (b) could potentially submit a bid in response to this bid invitation, based on their qualifications, abilities or experience; and
 - (c) provides the same goods and services as the bidder and/or is in the same line of business as the bidder.



6. 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 consortium³ will not be construed as collusive bidding.
7. In particular, without limiting the generality of paragraphs 6 above, there has been no consultation, communication, agreement or arrangement with any competitor regarding:
- (a) prices;
 - (b) geographical area where product or service will be rendered (market allocation)
 - (c) methods, factors or formulas used to calculate prices;
 - (d) the intention or decision to submit or not to submit, a bid;
 - (e) the submission of a bid which does not meet the specifications and conditions of the bid; or
 - (f) bidding with the intention not to win the bid.
8. In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications and conditions or delivery particulars of the products or services to which this bid invitation relates.
9. 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.

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.

Name of Bidder	Signature	Date	Position



³ 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.

PA-15.1: RESOLUTION OF BOARD OF DIRECTORS

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

(Legally correct full name and registration number, if applicable, of the Enterprise)

Held at _____ (place)

on _____ (date)

RESOLVED that:

- The Enterprise submits a Bid / Tender to the Department of Public Works in respect of the following project:

(Project description as per Bid / Tender Document)

Bid / Tender Number: _____ (Bid / Tender Number as per Bid / Tender Document)

- *Mr/Mrs/Ms: _____

in *his/her Capacity as: _____ (Position in the Enterprise)

and who will sign as follows: _____

be, and is hereby, authorised to sign the Bid / Tender, and any and all other documents and/or correspondence in connection with and relating to the Bid / Tender, as well as to sign any Contract, and any and all documentation, resulting from the award of the Bid / Tender to the Enterprise mentioned above.

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

PA-15.1: Resolution of Board of Directors

17			
18			
19			
20			

The bidding enterprise hereby absolves the Department of Public Works from any liability whatsoever that may arise as a result of this document being signed.

Note:

1. * Delete which is not applicable.
2. **NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Bidding Enterprise.
3. In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (attach proof of shareholding / ownership hereto).
4. Directors / Members / Partners of the Bidding Enterprise may alternatively appoint a person to sign this document on behalf of the Bidding Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
5. Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP

PA-15.2: RESOLUTION OF BOARD OF DIRECTORS TO ENTER INTO CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the Board of *Directors / Members / Partners of:

(Legally correct full name and registration number, if applicable, of the Enterprise)

Held at _____ (place)

on _____ (date)

RESOLVED that:

1. The Enterprise submits a Bid /Tender, in consortium/Joint Venture with the following Enterprises:

(List all the legally correct full names and registration numbers, if applicable, of the Enterprises forming the Consortium/Joint Venture)

to the Department of Public Works in respect of the following project:

(Project description as per Bid /Tender Document)

Bid / Tender Number: _____ (Bid / Tender Number as per Bid / Tender Document)

2. *Mr/Mrs/Ms: _____
in *his/her Capacity as: _____ (Position in the Enterprise)

and who will sign as follows: _____

be, and is hereby, authorised to sign a consortium/joint venture agreement with the parties listed under item 1 above, and any and all other documents and/or correspondence in connection with and relating to the consortium/joint venture, in respect of the project described under item 1 above.

3. The Enterprise accepts joint and several liability with the parties listed under item 1 above for the due fulfilment of the obligations of the joint venture deriving from, and in any way connected with, the Contract to be entered into with the Department in respect of the project described under item 1 above.
4. The Enterprise chooses as its *domicilium citandi et executandi* for all purposes arising from this joint venture agreement and the Contract with the Department in respect of the project under item 1 above:

Physical address: _____

_____ (code)

PA-15.2: Resolution of Board of Directors to enter into Consortia or Joint Ventures

Postal Address: _____

 _____ (code)

Telephone number: _____

Fax number: _____

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

The bidding enterprise hereby absolves the Department of Public Works from any liability whatsoever that may arise as a result of this document being signed

Note:

- * Delete which is not applicable.
- NB:** This resolution must, where possible, be signed by all the Directors / Members / Partners of the Bidding Enterprise.
- In the event that paragraph 2 cannot be complied with, the resolution must be signed by Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (attach proof of shareholding / ownership hereto).
- Directors / Members / Partners of the Bidding Enterprise may alternatively appoint a person to sign this document on behalf of the Bidding Enterprise, which person must be so authorized by way of a duly completed power of attorney, signed by the Directors / Members / Partners holding a majority of the shares / ownership of the Bidding Enterprise (proof of shareholding / ownership and power of attorney are to be attached hereto).
- Should the number of Directors / Members / Partners exceed the space available above, additional names and signatures must be supplied on a separate page.

ENTERPRISE STAMP

PA-15.3: SPECIAL RESOLUTION OF CONSORTIA OR JOINT VENTURES

RESOLUTION of a meeting of the duly authorised representatives of the following legal entities who have entered into a consortium/joint venture to jointly bid for the project mentioned below: *(legally correct full names and registration numbers, if applicable, of the Enterprises forming a Consortium/Joint Venture)*

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

Held at _____ (place)

on _____ (date)

RESOLVED that:

RESOLVED that:

- A. The above-mentioned Enterprises submit a Bid in Consortium/Joint Venture to the Department of Public Works in respect of the following project:

(Project description as per Bid /Tender Document)

Bid / Tender Number: _____ *(Bid / Tender Number as per Bid /Tender Document)*

PA-15.3: Special Resolution of Consortia or Joint Ventures

B. *Mr/Mrs/Ms: _____

in *his/her Capacity as: _____ (Position in the Enterprise)

and who will sign as follows: _____

be, and is hereby, authorised to sign the Bid, and any and all other documents and/or correspondence in connection with and relating to the Bid, as well as to sign any Contract, and any and all documentation, resulting from the award of the Bid to the Enterprises in Consortium/Joint Venture mentioned above.

C. The Enterprises constituting the Consortium/Joint Venture, notwithstanding its composition, shall conduct all business under the name and style of:

D. The Enterprises to the Consortium/Joint Venture accept joint and several liability for the due fulfilment of the obligations of the Consortium/Joint Venture deriving from, and in any way connected with, the Contract entered into with the Department in respect of the project described under item A above.

E. Any of the Enterprises to the Consortium/Joint Venture intending to terminate the consortium/joint venture agreement, for whatever reason, shall give the Department 30 days written notice of such intention. Notwithstanding such decision to terminate, the Enterprises shall remain jointly and severally liable to the Department for the due fulfilment of the obligations of the Consortium/Joint Venture as mentioned under item D above.

F. No Enterprise to the Consortium/Joint Venture shall, without the prior written consent of the other Enterprises to the Consortium/Joint Venture and of the Department, cede any of its rights or assign any of its obligations under the consortium/joint venture agreement in relation to the Contract with the Department referred to herein.

G. The Enterprises choose as the *domicilium citandi et executandi* of the Consortium/Joint Venture for all purposes arising from the consortium/joint venture agreement and the Contract with the Department in respect of the project under item A above:

Physical address: _____

_____ (Postal code) _____

Postal Address: _____

_____ (Postal code) _____

Telephone number: _____

Fax number: _____

PA-15.3: Special Resolution of Consortia or Joint Ventures

	Name	Capacity	Signature
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			

The bidding enterprise hereby absolves the Department of Public Works & Infrastructure from any liability whatsoever that may arise as a result of this document being signed.

Note:

- * Delete which is not applicable.
- NB:** This resolution must be signed by all the Duly Authorised Representatives of the Legal Entities to the consortium/joint venture submitting this tender, as named in item 2 of Resolution PA-15.2.
- Should the number of the Duly Authorised Representatives of the Legal Entities joining forces in this tender exceed the space available above, additional names, capacity and signatures must be supplied on a separate page.
- Resolution PA-15.2, duly completed and signed, from the separate Enterprises who participate in this consortium/joint venture, must be attached to this Special Resolution (PA-15.3).

DPW-09 (EC): PARTICULARS OF TENDERER'S PROJECTS

Project title:	CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION			
Tender / quotation no:	NST22/042	Closing date:	02/11/2022	
Advertising date:	13/10/2022	Validity period:	84 days	

1. PARTICULARS OF THE TENDERER'S CURRENT AND PREVIOUS COMMITMENTS

1.1. Current projects

Projects currently engaged in	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commence-date	Contractual completion date	Current percentage progress
1						
2						
3						
4						
5						
6						
7						
8						

Tender no: NST21/042

1.2. Completed projects

Projects completed in the previous 5 (five) years	Name of Employer or Representative of Employer	Contact tel. no.	Contract sum	Contractual commencement date	Contractual completion date	Date of Certificate of Practical Completion
1						
2						
3						
4						
5						
6						
7						
8						
9						

Name of Tenderer	Signature	Date



DPW-22 (EC): PARTICULARS OF ELECTRICAL CONTRACTOR

Project title:	CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION		
Tender no:	NST22/042	Reference no:	

Name of Electrical Contractor:	
Address:	
Electrical Contractor registration number at the Department of Employment and Labour:	

Name of Tenderer	Signature	Date

PA-11: 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

(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.

- 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

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 consortium² 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.
3.5 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.
3.6 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.

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.

- 3.7 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

This form has been aligned with SBD4

PA-10: General Conditions of Contract (GCC)

PA-10: GENERAL CONDITIONS OF CONTRACT (GCC)

NOTES:

The purpose of this document is to:

- (i) Draw special attention to certain general conditions applicable to government bids, contracts and orders; and
- (ii) To ensure that clients be familiar with regard to the rights and obligations of all parties involved in doing business with government.

In this document words in the singular also mean in the plural and vice versa and words in the masculine also mean in the feminine and neuter.

- The General Conditions of Contract will form part of all bid documents and may not be amended.
- Special Conditions of Contract (SCC) relevant to a specific bid should be compiled separately for every bid (if applicable) and will supplement the General Conditions of Contract. Whenever there is a conflict, the provisions in the SCC shall prevail.

TABLE OF CLAUSES

1. Definitions
2. Application
3. General
4. Standards
5. Use of contract documents and information; inspection
6. Patent rights
7. Performance security
8. Inspections, tests and analysis
9. Packing
10. Delivery and documents
11. Insurance
12. Transportation
13. Incidental services
14. Spare parts
15. Warranty
16. Payment
17. Prices
18. Contract amendments
19. Assignment
20. Subcontracts
21. Delays in the supplier's performance
22. Penalties
23. Termination for default
24. Dumping and countervailing duties
25. Force Majeure
26. Termination for insolvency
27. Settlement of disputes
28. Limitation of liability
29. Governing language
30. Applicable law
31. Notices
32. Taxes and duties
33. National Industrial Participation Programme (NIPP)
34. Prohibition of restrictive practices

PA-10: General Conditions of Contract (GCC)

General Conditions of Contract

1. Definitions

1. The following terms shall be interpreted as indicated:

- 1.1. **"Closing time"** means the date and hour specified in the bidding documents for the receipt of bids.
- 1.2. **"Contract"** means the written agreement entered into between the purchaser and the supplier, as recorded in the contract form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.
- 1.3. **"Contract price"** means the price payable to the supplier under the contract for the full and proper performance of his contractual obligations.
- 1.4. **"Corrupt practice"** means the offering, giving, receiving, or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution.
- 1.5. **"Countervailing duties"** are imposed in cases where an enterprise abroad is subsidized by its government and encouraged to market its products internationally.
- 1.6. **"Country of origin"** means the place where the goods were mined, grown or produced or from which the services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 1.7. **"Day"** means calendar day.
- 1.8. **"Delivery"** means delivery in compliance of the conditions of the contract or order.
- 1.9. **"Delivery ex stock"** means immediate delivery directly from stock actually on hand.
- 1.10. **"Delivery into consignees store or to his site"** means delivered and unloaded in the specified store or depot or on the specified site in compliance with the conditions of the contract or order, the supplier bearing all risks and charges involved until the supplies are so delivered and a valid receipt is obtained.
- 1.11. **"Dumping"** occurs when a private enterprise abroad market its goods on own initiative in the RSA at lower prices than that of the country of origin and which have the potential to harm the local industries in the RSA.
- 1.12. **"Force majeure"** means an event beyond the control of the supplier and not involving the supplier's fault or negligence and not foreseeable. Such events may include, but is not restricted to, acts of the purchaser in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.
- 1.13. **"Fraudulent practice"** means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of any bidder, and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the bidder of the benefits of free and open competition.
- 1.14. **"GCC"** means the General Conditions of Contract.
- 1.15. **"Goods"** means all of the equipment, machinery, and/or other materials that the supplier is required to supply to the purchaser under the contract.

PA-10: General Conditions of Contract (GCC)

- 1.16. **"Imported content"** means that portion of the bidding price represented by the cost of components, parts or materials which have been or are still to be imported (whether by the supplier or his subcontractors) and which costs are inclusive of the costs abroad, plus freight and other direct importation costs such as landing costs, dock dues, import duty, sales duty or other similar tax or duty at the South African place of entry as well as transportation and handling charges to the factory in the Republic where the supplies covered by the bid will be manufactured.
- 1.17. **"Local content"** means that portion of the bidding price which is not included in the imported content provided that local manufacture does take place.
- 1.18. **"Manufacture"** means the production of products in a factory using labour, materials, components and machinery and includes other related value-adding activities.
- 1.19. **"Order"** means an official written order issued for the supply of goods or works or the rendering of a service.
- 1.20. **"Project site"** where applicable, means the place indicated in bidding documents.
- 1.21. **"Purchaser"** means the organization purchasing the goods.
- 1.22. **"Republic"** means the Republic of South Africa.
- 1.23. **"SCC"** means the Special Conditions of Contract.
- 1.24. **"Services"** means those functional services ancillary to the supply of the goods, such as transportation and any other incidental services, such as installation, commissioning, provision of technical assistance, training, catering, gardening, security, maintenance and other such obligations of the supplier covered under the contract.
- 1.25. **"Written" or "in writing"** means handwritten in ink or any form of electronic or mechanical writing.

2. Application

- 2.1. These general conditions are applicable to all bids, contracts and orders including bids for functional and professional services, sales, hiring, letting and the granting or acquiring of rights, but excluding immovable property, unless otherwise indicated in the bidding documents.
- 2.2. Where applicable, special conditions of contract are also laid down to cover specific supplies, services or works.
- 2.3. Where such special conditions of contract are in conflict with these general conditions, the special conditions shall apply.

3. General

- 3.1. Unless otherwise indicated in the bidding documents, the purchaser shall not be liable for any expense incurred in the preparation and submission of a bid. Where applicable a non-refundable fee for documents may be charged.
- 3.2. With certain exceptions, invitations to bid are only published in the Government Tender Bulletin. The Government Tender Bulletin may be obtained directly from the Government Printer, Private Bag X85, Pretoria 0001, or accessed electronically from www.treasury.gov.za

4. Standards

- 4.1. The goods supplied shall conform to the standards mentioned in the bidding documents and specifications.

5. Use of contract documents and information; inspection.

- 5.1. The supplier shall not, without the purchaser's prior written consent, disclose the contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the purchaser in connection therewith, to any person other than a person employed by the supplier in the performance of the contract. Disclosure to any such employed person shall be

PA-10: General Conditions of Contract (GCC)

made in confidence and shall extend only so far as may be necessary for purposes of such performance.

- 5.2. The supplier shall not, without the purchaser's prior written consent, make use of any document or information mentioned in GCC clause 5.1 except for purposes of performing the contract.
- 5.3. Any document, other than the contract itself mentioned in GCC clause 5.1 shall remain the property of the purchaser and shall be returned (all copies) to the purchaser on completion of the supplier's performance under the contract if so required by the purchaser.
- 5.4. The supplier shall permit the purchaser to inspect the supplier's records relating to the performance of the supplier and to have them audited by auditors appointed by the purchaser, if so required by the purchaser.

6. Patent rights

- 6.1. The supplier shall indemnify the purchaser against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the goods or any part thereof by the purchaser.

7. Performance security

- 7.1. Within thirty (30) days of receipt of the notification of contract award, the successful bidder shall furnish to the purchaser the performance security of the amount specified in SCC.
- 7.2. The proceeds of the performance security shall be payable to the purchaser as compensation for any loss resulting from the supplier's failure to complete his obligations under the contract.
- 7.3. The performance security shall be denominated in the currency of the contract, or in a freely convertible currency acceptable to the purchaser and shall be in one of the following forms:
 - (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the purchaser's country or abroad, acceptable to the purchaser, in the form provided in the bidding documents or another form acceptable to the purchaser; or
 - (b) a cashier's or certified cheque
- 7.4. The performance security will be discharged by the purchaser and returned to the supplier not later than thirty (30) days following the date of completion of the supplier's performance obligations under the contract, including any warranty obligations, unless otherwise specified in SCC.

8. Inspections, tests and analyses

- 8.1. All pre-bidding testing will be for the account of the bidder.
- 8.2. If it is a bid condition that supplies to be produced or services to be rendered should at any stage during production or execution or on completion be subject to inspection, the premises of the bidder or contractor shall be open, at all reasonable hours, for inspection by a representative of the Department or an organization acting on behalf of the Department.
- 8.3. If there are no inspection requirements indicated in the bidding documents and no mention is made in the contract, but during the contract period it is decided that inspections shall be carried out, the purchaser shall itself make the necessary arrangements, including payment arrangements with the testing authority concerned.
- 8.4. If the inspections, tests and analyses referred to in clauses 8.2 and 8.3 show the supplies to be in accordance with the contract requirements, the cost of the inspections, tests and analyses shall be defrayed by the purchaser.
- 8.5. Where the supplies or services referred to in clauses 8.2 and 8.3 do not comply with the contract requirements, irrespective of whether such supplies or services are accepted or not, the cost in connection with these inspections, tests or analyses shall be defrayed by the supplier.

PA-10: General Conditions of Contract (GCC)

- (e) training of the purchaser's personnel, at the supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied goods.

- 13.2. Prices charged by the supplier for incidental services, if not included in the contract price for the goods, shall be agreed upon in advance by the parties and shall not exceed the prevailing rates charged to other parties by the supplier for similar services.

14. Spare parts

- 14.1. As specified in SCC, the supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the supplier:

- (a) such spare parts as the purchaser may elect to purchase from the supplier, provided that this election shall not relieve the supplier of any warranty obligations under the contract; and
- (b) in the event of termination of production of the spare parts:

- (i) Advance notification to the purchaser of the pending termination, in sufficient time to permit the purchaser to procure needed requirements; and
- (ii) following such termination, furnishing at no cost to the purchaser, the blueprints, drawings, and specifications of the spare parts, if requested.

15. Warranty

- 15.1. The supplier warrants that the goods supplied under the contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the contract. The supplier further warrants that all goods supplied under this contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the purchaser's specifications) or from any act or omission of the supplier, that may develop under normal use of the supplied goods in the conditions prevailing in the country of final destination.
- 15.2. This warranty shall remain valid for twelve (12) months after the goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the contract, or for eighteen (18) months after the date of shipment from the port or place of loading in the source country, whichever period concludes earlier, unless specified otherwise in SCC.
- 15.3. The purchaser shall promptly notify the supplier in writing of any claims arising under this warranty.
- 15.4. Upon receipt of such notice, the supplier shall, within the period specified in SCC and with all reasonable speed, repair or replace the defective goods or parts thereof, without costs to the purchaser.
- 15.5. If the supplier, having been notified, fails to remedy the defect(s) within the period specified in SCC, the purchaser may proceed to take such remedial action as may be necessary, at the supplier's risk and expense and without prejudice to any other rights which the purchaser may have against the supplier under the contract.

16. Payment

- 16.1. The method and conditions of payment to be made to the supplier under this contract shall be specified in SCC.
- 16.2. The supplier shall furnish the purchaser with an invoice accompanied by a copy of the delivery note and upon fulfilment of other obligations stipulated in the contract.
- 16.3. Payments shall be made promptly by the purchaser, but in no case later than thirty (30) days after submission of an invoice or claim by the supplier.
- 16.4. Payment will be made in Rand unless otherwise stipulated in SCC.

17. Prices

PA-10: General Conditions of Contract (GCC)

- 8.6. Supplies and services which are referred to in clauses 8.2 and 8.3 and which do not comply with the contract requirements may be rejected.
- 8.7. Any contract supplies may on or after delivery be inspected, tested or analyzed and may be rejected if found not to comply with the requirements of the contract. Such rejected supplies shall be held at the cost and risk of the supplier who shall, when called upon, remove them immediately at his own cost and forthwith substitute them with supplies which do comply with the requirements of the contract. Failing such removal the rejected supplies shall be returned at the suppliers cost and risk. Should the supplier fail to provide the substitute supplies forthwith, the purchaser may, without giving the supplier further opportunity to substitute the rejected supplies, purchase such supplies as may be necessary at the expense of the supplier.
- 8.8. The provisions of clauses 8.4 to 8.7 shall not prejudice the right of the purchaser to cancel the contract on account of a breach of the conditions thereof, or to act in terms of Clause 23 of GCC.

9. Packing

- 9.1. The supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing, case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2. The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the contract, including additional requirements, if any, specified in SCC, and in any subsequent instructions ordered by the purchaser.

10. Delivery and documents

- 10.1. Delivery of the goods shall be made by the supplier in accordance with the terms specified in the contract. The details of shipping and/or other documents to be furnished by the supplier are specified in SCC.
- 10.2. Documents to be submitted by the supplier are specified in SCC.

11. Insurance

- 11.1. The goods supplied under the contract shall be fully insured in a freely convertible currency against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery in the manner specified in the SCC.

12. Transportation

- 12.1. Should a price other than an all-inclusive delivered price be required, this shall be specified in the SCC.

13. Incidental services

- 13.1. The supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
- (a) performance or supervision of on-site assembly and/or commissioning of the supplied goods;
 - (b) furnishing of tools required for assembly and/or maintenance of the supplied goods;
 - (c) furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied goods;
 - (d) performance or supervision or maintenance and/or repair of the supplied goods, for a period of time agreed by the parties, provided that this service shall not relieve the supplier of any warranty obligations under this contract; and

PA-10: General Conditions of Contract (GCC)

- 17.1. Prices charged by the supplier for goods delivered and services performed under the contract shall not vary from the prices quoted by the supplier in his bid, with the exception of any price adjustments authorized in SCC or in the purchaser's request for bid validity extension, as the case may be.

18. Contract amendments

- 18.1. No variation in or modification of the terms of the contract shall be made except by written amendment signed by the parties concerned.

19. Assignment

- 19.1. The supplier shall not assign, in whole or in part, its obligations to perform under the contract, except with the purchaser's prior written consent.

20. Subcontracts

- 20.1. The supplier shall notify the purchaser in writing of all subcontracts awarded under this contracts if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the supplier from any liability or obligation under the contract.

21. Delays in the supplier's performance

- 21.1. Delivery of the goods and performance of services shall be made by the supplier in accordance with the time schedule prescribed by the purchaser in the contract.
- 21.2. If at any time during performance of the contract, the supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the goods and performance of services, the supplier shall promptly notify the purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the supplier's notice, the purchaser shall evaluate the situation and may at his discretion extend the supplier's time for performance, with or without the imposition of penalties, in which case the extension shall be ratified by the parties by amendment of contract.
- 21.3. No provision in a contract shall be deemed to prohibit the obtaining of supplies or services from a national department, provincial department, or a local authority.
- 21.4. The right is reserved to procure outside of the contract small quantities or to have minor essential services executed if an emergency arises, the supplier's point of supply is not situated at or near the place where the supplies are required, or the supplier's services are not readily available.
- 21.5. Except as provided under GCC Clause 25, a delay by the supplier in the performance of its delivery obligations shall render the supplier liable to the imposition of penalties, pursuant to GCC Clause 22, unless an extension of time is agreed upon pursuant to GCC Clause 21.2 without the application of penalties.
- 21.6. Upon any delay beyond the delivery period in the case of a supplies contract, the purchaser shall, without cancelling the contract, be entitled to purchase supplies of a similar quality and up to the same quantity in substitution of the goods not supplied in conformity with the contract and to return any goods delivered later at the supplier's expense and risk, or to cancel the contract and buy such goods as may be required to complete the contract and without prejudice to his other rights, be entitled to claim damages from the supplier.

22. Penalties

- 22.1. Subject to GCC Clause 25, if the supplier fails to deliver any or all of the goods or to perform the services within the period(s) specified in the contract, the purchaser shall, without prejudice to its other remedies under the contract, deduct from the contract price, as a penalty, a sum calculated on the delivered price of the delayed goods or unperformed services using the current prime interest rate calculated for each day of the delay until actual delivery or performance. The purchaser may also consider termination of the contract pursuant to GCC Clause 23.

23. Termination for default

- 23.1. The purchaser, without prejudice to any other remedy for breach of contract, by written notice of default sent to the supplier, may terminate this contract in whole or in part:

PA-10: General Conditions of Contract (GCC)

- (a) if the supplier fails to deliver any or all of the goods within the period(s) specified in the contract, or within any extension thereof granted by the purchaser pursuant to GCC Clause 21.2;
 - (b) if the Supplier fails to perform any other obligation(s) under the contract; or
 - (c) if the supplier, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
- 23.2. In the event the purchaser terminates the contract in whole or in part, the purchaser may procure, upon such terms and in such manner as it deems appropriate, goods, works or services similar to those undelivered, and the supplier shall be liable to the purchaser for any excess costs for such similar goods, works or services. However, the supplier shall continue performance of the contract to the extent not terminated.
- 23.3 Where the purchaser terminates the contract in whole or in part, the purchaser may decide to impose a restriction penalty on the supplier by prohibiting such supplier from doing business with the public sector for a period of not exceeding 10 years.
- 23.4 If a purchaser intends imposing a restriction on a supplier or any person with the supplier, the supplier will be allowed a time period of not more than fourteen (14) days to provide why the envisaged restriction should not be imposed. Should the supplier fail to respond within the stipulated fourteen (14) days the purchaser may regard the intended penalty as not objected against and may impose it on the supplier.
- 23.5 Any restriction on any person by the Accounting Officer/ Authority will, at the discretion of the Accounting Officer/ Authority, also be applicable to any enterprise or any partner, manager, director or other person who wholly or partly exercises or exercised or may exercise control over the enterprise of the first-mentioned person, and with which the first-mentioned person, is or was in the opinion of the Accounting Officer/ Authority actively associated.
- 23.6 If a restriction is imposed, the purchaser must, within five (5) working days of such imposition, furnish The National Treasury, with the following information:
- i) The name and address of the supplier and/or person restricted by the purchaser;
 - ii) The date of commencement of the restriction
 - iii) The period of the restriction; and
 - iv) The reasons for the restriction.
- These details will be loaded in the National Treasury's central database of suppliers or persons prohibited from doing business with the public sector.
- 23.7 If a court of law convicts a person of an offence as contemplated in sections 12 or 13 of the Prevention and Combating of Corrupt Activities Act No. 12 of 2004, the court may also rule that such person's name be endorsed on the Register for Tender Defaulters. When a person's name has been endorsed on the Register, the person will be prohibited from doing business with the public sector for a period not less than five years and not more than ten years. The National Treasury is empowered to determine the period of restriction and each case will be dealt with on its merits. According to section 32 of the Act the Register must be open to the public. The Register can be perused on the National Treasury website.

24. Anti-dumping and countervailing duties and rights

- 24.1. When, after the date of bid, provisional payments are required, or antidumping or countervailing duties are imposed, or the amount of a provisional payment or anti-dumping or countervailing right is increased in respect of any dumped or subsidized import, the State is not liable for any amount so required or imposed, or for the amount of any such increase. When, after the said date, such a provisional payment is no longer required or any such anti-dumping or countervailing right is abolished, or where the amount of such provisional payment or any such right is reduced, any such favourable difference shall on demand be paid forthwith by the contractor to the State or the State may deduct such amounts from moneys (if any) which may otherwise be due to the contractor in regard to supplies or services which he delivered or rendered, or is to deliver or render in terms of the contract or any other contract or any other amount which may be due to him.

PA-10: General Conditions of Contract (GCC)

25. Force Majeure

- 25.1. Notwithstanding the provisions of GCC Clauses 22 and 23, the supplier shall not be liable for forfeiture of its performance security, damages, or termination for default if and to the extent that his delay in performance or other failure to perform his obligations under the contract is the result of an event of force majeure.
- 25.2. If a force majeure situation arises, the supplier shall promptly notify the purchaser in writing of such condition and the cause thereof. Unless otherwise directed by the purchaser in writing, the supplier shall continue to perform its obligations under the contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the force majeure event.

26. Termination for insolvency

- 26.1. The purchaser may at any time terminate the contract by giving written notice to the supplier if the supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the purchaser.

27. Settlement of Disputes

- 27.1 If any dispute or difference of any kind whatsoever arises between the purchaser and the supplier in Connection with or arising out of the contract, the parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 27.2 If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the purchaser or the supplier may give notice to the other party of his intention to commence with mediation. No mediation in respect of this matter may be commenced unless such notice is given to the other party.
- 27.3 Should it not be possible to settle a dispute by means of mediation, it may be settled in a South African court of law.
- 27.4 Mediation proceedings shall be conducted in accordance with the rules of the procedure specified in the SCC.
- 27.5 Notwithstanding any reference to mediation and/or court proceedings herein,
- (a) the parties shall continue to perform their respective obligations under contract unless they Otherwise agree; and
- (b) the purchaser shall pay the supplier any monies due the supplier.

28. Limitation of Liability

- 28.1 Except in cases of criminal negligence or willful misconduct, and in the case of infringement pursuant to Clause 6;
- (a) the supplier shall not be liable to the purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the supplier to pay penalties and/or damages to the purchaser; and
- (b) the aggregate liability of the supplier to the purchaser, whether under the contract, in tort or otherwise, shall not exceed the total contract price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment.

PA-10: General Conditions of Contract (GCC)

29. Governing language

- 29.1. The contract shall be written in English. All correspondence and other documents pertaining to the contract that is exchanged by the parties shall also be written in English.

30. Applicable law

- 30.1. The contract shall be interpreted in accordance with South African laws, unless otherwise specified in SCC.

31. Notices

- 31.1. Every written acceptance of a bid shall be posted to the supplier concerned by registered or certified mail and any other notice to him shall be posted by ordinary mail to the address furnished in his bid or to the address notified later by him in writing and such posting shall be deemed to be proper service of such notice
- 31.2. The time mentioned in the contract documents for performing any act after such aforesaid notice has been given, shall be reckoned from the date of posting of such notice.

32. Taxes and duties

- 32.1. A foreign supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the purchaser's country.
- 32.2. A local supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted goods to the purchaser.
- 32.3. No contract shall be concluded with any bidder whose tax matters are not in order. Prior to the award of a bid the Department must be in possession of a tax clearance certificate, submitted by the bidder. This certificate must be an original issued by the South African

33. National Industrial Participation Programme (NIPP)

- 33.1 The NIP Programme administered by the Department of Trade and Industry shall be applicable to all contracts that are subject to the NIP obligation.

34. Prohibition of Restrictive Practices

- 34.1 In terms of section 4 (1) (b) (iii) of the Competition Act No. 89 of 1998, as amended, an agreement between, or concerted practice by, firms, or a decision by an association of firms, is prohibited if it is between parties in a horizontal relationship and if a bidder (s) is / are or a contractor(s) was / were involved in collusive bidding (or bid rigging).
- 34.2 If a bidder(s) or contractor(s), based on reasonable grounds or evidence obtained by the purchaser, has / have engaged in the restrictive practice referred to above, the purchaser may refer the matter to the Competition Commission for investigation and possible imposition of administrative penalties as contemplated in the Competition Act No. 89 of 1998.
- 34.3 If a bidder(s) or contractor(s), has / have been found guilty by the Competition Commission of the restrictive practice referred to above, the purchaser may, in addition and without prejudice to any other remedy provided for, invalidate the bid(s) for such item(s) offered, and / or terminate the contract in whole or part, and / or restrict the bidder(s) or contractor(s) from conducting business with the public sector for a period not exceeding ten (10) years and / or claim damages from the bidder(s) or contractor(s) concerned.

Name of Bidder	Signature	Date



PA16: PREFERENCE POINTS CLAIM FORM IN TERMS OF THE PREFERENTIAL PROCUREMENT REGULATIONS 2017

This preference form must form part of all bids invited. It contains general information and serves as a claim form for preference points for Broad-Based Black Economic Empowerment (B-BBEE) Status Level of Contribution

NB: BEFORE COMPLETING THIS FORM, BIDDERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF B-BBEE, AS PRESCRIBED IN THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017 AND THE AMENDED B-BBEE CODES.

1. GENERAL CONDITIONS

1.1. The following preference point systems are applicable to all bids:

- 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. The value of this bid is estimated to **Select** R50 000 000 (all applicable taxes included) and therefore the... **80/20**system shall be applicable.

1.3. Preference points for this bid shall be awarded for:

- (a) Price; and
- (b) B-BBEE Status Level of Contribution.

1.3.1 The maximum points for this bid are allocated as follows:

POINTS

1.3.1.1 PRICE

80

1.3.1.2 B-BBEE STATUS LEVEL OF CONTRIBUTION

20

Total points for Price and B-BBEE must not exceed 100

1.4. Failure on the part of a bidder to fill in and/or to sign this form and submit a B-BBEE Verification Certificate from a Verification Agency accredited by the South African Accreditation System (SANAS) or an Accounting Officer as contemplated in the Close Corporation Act (CCA) together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

1.5. An Exempted Micro Enterprise (EME) is only required to obtain a sworn affidavit or a certificate issued by Companies and intellectual property Commission (CIPC) confirming their annual turnover of R10 Million or less and level of black ownership to claim points.

1.6. Qualifying Small Enterprise (QSE) is only required to obtain a sworn affidavit or a certificate issued by Companies and intellectual property Commission (CIPC) confirming their annual turnover of R10 Million or less and level of black ownership to claim points.

Any reference to words "Bid" or "Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

For Internal Use

Effective date 20 September 2021

Page 1 of 6
Version: 2021/01

- 1.7 The purchaser reserves the right to require of a bidder, either before a bid is adjudicated or at any time subsequently, to substantiate any claim in regard to preferences, in any manner required by the purchaser.
- 1.8 CERTIFICATES ISSUED BY IRBA AND ACCOUNTING OFFICER HAVE BEEN DISCONTINUED; HOWEVER VALID CERTIFICATES ALREADY ISSUED BEFORE 01 JANUARY 2017 MAY BE USED UNTIL THEY PHASE OUT COMPLETELY BY DECEMBER 2017

2. DEFINITIONS

- (a) **“all applicable taxes”** includes value-added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies;
- (b) **“B-BBEE”** means broad-based black economic empowerment as defined in section 1 of the Broad-Based Black Economic Empowerment Act;
- (c) **“B-BBEE status level of contributor”** means the B-BBEE status received by a measured entity based on its overall performance using the relevant scorecard contained in the Codes of Good Practice on Black Economic Empowerment, issued in terms of section 9(1) of the Broad-Based Black Economic Empowerment Act;
- (d) **“bid”** means a written offer in a prescribed or stipulated form in response to an invitation by an organ of state for the provision of services, works or goods, through price quotations, advertised competitive bidding processes or proposals;
- (e) **“Broad-Based Black Economic Empowerment Act”** means the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (f) **“comparative price”** means the price after the factors of a non-firm price and all unconditional discounts that can be utilized have been taken into consideration;
- (g) **“consortium or joint venture”** 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;
- (h) **“contract”** means the agreement that results from the acceptance of a bid by an organ of state;
- (i) **“EME”** means an Exempted Micro Enterprise as defines by Codes of Good Practice under section 9 (1) of the Broad-Based Black Economic Empowerment Act, 2003 (Act No. 53 of 2003);
- (j) **“Firm price”** means the price that is only subject to adjustments in accordance with the actual increase or decrease resulting from the change, imposition, or abolition of customs or excise duty and any other duty, levy, or tax, which, in terms of the law or regulation, is binding on the contractor and demonstrably has an influence on the price of any supplies, or the rendering costs of any service, for the execution of the contract;
- (k) **“functionality”** means the measurement according to predetermined norms, as set out in the bid documents, of a service or commodity that is designed to be practical and useful, working or operating, taking into account, among other factors, the quality, reliability, viability and durability of a service and the technical capacity and ability of a bidder;
- (l) **“non-firm prices”** means all prices other than “firm” prices;
- (m) **“person”** includes a juristic person;
- (n) **“QSE”** means a Qualifying Small Enterprise as defines by Codes of Good Practice under

Pmin = Comparative price of lowest acceptable bid

5. Points awarded for B-BBEE Status Level of Contribution

- 5.1 In terms of Regulation 6(2) and /or 7(2), of the Preferential Procurement Regulations, preference points must be awarded to a bidder for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of points (90/10 system)	Number of points (80/20 system)
1	10	20
2	9	18
3	6	14
4	5	12
5	4	8
6	3	6
7	2	4
8	1	2
Non-compliant contributor	0	0

- 5.2 A trust, consortium or joint venture, will qualify for points for their B-BBEE status level as a legal entity, provided that the entity submits their B-BBEE status level certificate.
- 5.3 A trust, consortium or joint venture will qualify for points for their B-BBEE status level as an unincorporated entity, provided that the entity submits their consolidated B-BBEE scorecard as if they were a group structure and that such a consolidated B-BBEE scorecard is prepared for every separate bid.
- 5.4 Tertiary institutions and public entities will be required to submit their B-BBEE status level certificates in terms of the specialized scorecard contained in the B-BBEE Codes of Good Practice.
- 5.5 A person awarded a contract may not sub-contract more than 25% of the value of the contract to any other enterprise that does not have an equal or higher B-BBEE status level than the person concerned, unless the contract is sub-contracted to an EME that has the capability and ability to execute the sub-contract.

6. BID DECLARATION

- 6.1 Bidders who claim points in respect of B-BBEE Status Level of Contribution must complete the following:

7. B-BBEE STATUS LEVEL OF CONTRIBUTION CLAIMED IN TERMS OF PARAGRAPHS 1.3.1.2 AND 5.1

7.1 B-BBEE Status Level of Contribution: =(maximum of 10 or 20 points)

(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 5.1 and must be substantiated by means of a B-BBEE certificate issued by a Verification Agency accredited by SANAS or Sworn Affidavit for EME's and QSE's.

8 SUB-CONTRACTING (relates to 5.5)

8.1 Will any portion of the contract be sub-contracted? YES / NO (delete which is not applicable)

8.1.1 If yes, indicate:

(i) what percentage of the contract will be subcontracted?%

(ii) the name of the sub-contractor?

(iii) the B-BBEE status level of the sub-contractor?

(iv) whether the sub-contractor is an EME/ a QSE YES / NO (delete which is not applicable)

Designated Group: An EME or QSE which is at last 51% owned by:	EME √	QSE √
Black people		
Black people who are youth		
Black people who are women		
Black people with disabilities		
Black people living in rural or underdeveloped areas or townships		
Cooperative owned by black people		
Black people who are military veterans		
OR		
Any EME		
Any QSE		

9 DECLARATION WITH REGARD TO COMPANY/FIRM

9.1 Name of company/firm

9.2 VAT registration number

9.3 Company registration number

9.4 TYPE OF COMPANY/ FIRM
Partnership/Joint Venture / Consortium
One person business/sole propriety
Close corporation
Company
(Pty) Limited

[TICK APPLICABLE BOX]

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

9.6 COMPANY CLASSIFICATION

Manufacturer

Supplier

Professional service provider

Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

9.7 Total number of years the company/firm has been in business?

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contribution indicated in paragraph 7 of the foregoing certificate/ Sworn Affidavit, qualifies the company/ firm for the preference(s) shown and I / we 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 paragraph 7, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- (iv) If the B-BBEE status level of contribution has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –
 - (a) Disqualify the person from the bidding 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) restrict the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, from obtaining business from any organ of state for a period not exceeding 10 years, after the audi alteram partem (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution

WITNESSES:

1.

2.

.....

SIGNATURE(S) OF BIDDER(S)

DATE:..... ADDRESS:.....

.....

PA- 40: DECLARATION OF DESIGNATED GROUPS FOR PREFERENTIAL PROCUREMENT

Tender no: NST22/042

Name of Tenderer

☐ EME¹ ☐ QSE² ☐ Non EME/QSE (tick applicable box)

1. LIST ALL PROPRIETORS, MEMBERS OR SHAREHOLDERS BY NAME, IDENTITY NUMBER, CITIZENSHIP AND DESIGNATED GROUPS.

Name and Surname #	Identity/ Passport number and Citizenship##	Percentage owned	Black	Indicate if youth	Indicate if woman	Indicate if person with disability	Indicate if living in Rural (R) / Under Developed Area (UD) / Township (T) / Urban (U).	Indicate if military veteran
1.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
4.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
5.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
6.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
7.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
8.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
9.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
10.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
11.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No
12.		%	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> R <input type="checkbox"/> UD <input type="checkbox"/> T <input type="checkbox"/> U	<input type="checkbox"/> Yes <input type="checkbox"/> No

Where Owners are themselves a Company, Close Corporation, Partnership etc; identify the ownership of the Holding Company, together with Registration number
State date of South African citizenship obtained (not applicable to persons born in South Africa)

¹ EME: Exempted Micro Enterprise

² QSE: Qualifying Small Business Enterprise

PA- 40: DECLARATION OF DESIGNATED GROUPS FOR PREFERENTIAL PROCUREMENT

Tender no: NST22/042

2. DECLARATION:

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

- 1 The information and particulars contained in this Affidavit are true and correct in all respects;
- 2 The Broad-based Black Economic Empowerment Act, 2003 (Act 53 of 2003), Preferential Procurement Policy Framework Act, 2000 (Act 5 of 2000), the Preferential Procurement Regulations, 2017, National Small Business Act 102 of 1996 as amended and all documents pertaining to this Tender were studied and understood and that the above form was completed according to the definitions and information contained in said documents;
- 3 The Tenderer understands that any intentional misrepresentation or fraudulent information provided herein shall disqualify the Tenderer's offer herein, as well as any other tender offer(s) of the Tenderer simultaneously being evaluated, or will entitle the Employer to cancel any Contract resulting from the Tenderer's offer herein;
- 4 The Tenderer accepts that the Employer may exercise any other remedy it may have in law and in the Contract, including a claim for damages for having to accept a less favourable tender as a result of any such disqualification due to misrepresentation or fraudulent information provided herein;
- 5 Any further documentary proof required by the Employer regarding the information provided herein, will be submitted to the Employer within the time period as may be set by the latter;

Signed by the Tenderer

Name of representative	Signature	Date

PA-30.1: **PRICING SCHEDULE - FIRM PRICES**

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of bidder..... Bid number NST22/042

Closing Time 11:00 on 02/11/2022

OFFER TO BE VALID FOR.....DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY (INCLUDING VAT)
-	Required by:	
-	At:	
-	Brand and model	
-	Country of origin	
-	Does offer comply with specification?		*YES/NO
-	If not to specification, indicate deviation(s)	
-	Period required for delivery	
-	Delivery basis (all delivery costs must be included in the bid price)	*Delivery: Firm/not firm

Note: All delivery costs must be included in the bid price, for delivery at the prescribed destination.

***Delete if not applicable**

THIS FORM IS ALIGNED WITH SBD 3.1

Any reference to words "Bid" or Bidder herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

For Internal Use

Effective date September 2011

Version: 1.0

**PA- 30.2: PRICING SCHEDULE – NON-FIRM PRICES
(PURCHASES)**

NOTE: PRICE ADJUSTMENTS WILL BE ALLOWED AT THE PERIODS AND TIMES SPECIFIED IN THE BIDDING DOCUMENTS.

IN CASES WHERE DIFFERENT DELIVERY POINTS INFLUENCE THE PRICING, A SEPARATE PRICING SCHEDULE MUST BE SUBMITTED FOR EACH DELIVERY POINT

Name of Bidder.....Bid number NST22/042

Closing Time 11:00 on 02/11/2022

OFFER TO BE VALID FOR.....DAYS FROM THE CLOSING DATE OF BID.

ITEM NO.	QUANTITY	DESCRIPTION	BID PRICE IN RSA CURRENCY (INCLUDING VAT)
-------------	----------	-------------	--

- Required by:

- At:.....

- Brand and model

- Country of origin

- Does offer comply with specification? *YES/NO

- If not to specification, indicate deviation(s)

- Period required for delivery

- Delivery: *Firm/not firm

*Delete if not applicable

Any reference to words "Bid" or Bidder" herein and/or in any other documentation shall be construed to have the same meaning as the words "Tender" or "Tenderer".

For Internal Use

Effective date September 2011

Version: 1.0

PRICE ADJUSTMENTS

A NON-FIRM PRICES SUBJECT TO ESCALATION

1. IN CASES OF PERIOD CONTRACTS, NON FIRM PRICES WILL BE ADJUSTED (LOADED) WITH THE ASSESSED CONTRACT PRICE ADJUSTMENTS IMPLICIT IN NON FIRM PRICES WHEN CALCULATING THE COMPARATIVE PRICES
2. IN THIS CATEGORY PRICE ESCALATIONS WILL ONLY BE CONSIDERED IN TERMS OF THE FOLLOWING FORMULA:

$$Pa = (1 - V)Pt \left(D1 \frac{R1t}{R1o} + D2 \frac{R2t}{R2o} + D3 \frac{R3t}{R3o} + D4 \frac{D4t}{D4o} \right) + VPt$$

Where:

Pa	=	The new escalated price to be calculated.
(1-V)Pt	=	85% of the original bid price. Note that Pt must always be the original bid price and not an escalated price.
D1, D2..	=	Each factor of the bid price eg. labour, transport, clothing, footwear, etc. The total of the various factors D1,D2...etc. must add up to 100%.
R1t, R2t.....	=	Index figure obtained from new index (depends on the number of factors used).
R1o, R2o	=	Index figure at time of bidding.
VPt	=	15% of the original bid price. This portion of the bid price remains firm i.e. it is not subject to any price escalations.

3. The following index/indices must be used to calculate your bid price:

Index..... Dated..... Index..... Dated..... Index..... Dated.....
 Index..... Dated..... Index..... Dated..... Index..... Dated.....

4. FURNISH A BREAKDOWN OF YOUR PRICE IN TERMS OF ABOVE-MENTIONED FORMULA. THE TOTAL OF THE VARIOUS FACTORS MUST ADD UP TO 100%.

FACTOR (D1, D2 etc. eg. Labour, transport etc.)	PERCENTAGE OF BID PRICE

B PRICES SUBJECT TO RATE OF EXCHANGE VARIATIONS

1. Please furnish full particulars of your financial institution, state the currencies used in the conversion of the prices of the items to South African currency, which portion of the price is subject to rate of exchange variations and the amounts remitted abroad.

PARTICULARS OF FINANCIAL INSTITUTION	ITEM NO	PRICE	CURRENCY	RATE	PORTION OF PRICE SUBJECT TO ROE	AMOUNT IN FOREIGN CURRENCY REMITTED ABROAD
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		
				ZAR=		

2. Adjustments for rate of exchange variations during the contract period will be calculated by using the average monthly exchange rates as issued by your commercial bank for the periods indicated hereunder: (Proof from bank required)

AVERAGE MONTHLY EXCHANGE RATES FOR THE PERIOD:	DATE DOCUMENTATION MUST BE SUBMITTED TO THIS OFFICE	DATE FROM WHICH NEW CALCULATED PRICES WILL BECOME EFFECTIVE	DATE UNTIL WHICH NEW CALCULATED PRICE WILL BE EFFECTIVE
	f		

THIS FORM IS ALIGNED WITH SBD 3.2

PG-02.2 (FM: PDM) PRICING INSTRUCTIONS

Project title:	CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION		
Tender no:	NST22/042	Reference no:	

C2.1 Pricing Instructions

1. BILLS OF QUANTITIES

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 documents**, the Facilities Management: Preventative and Day-to-Day Maintenance Conditions of Contract, Specifications, Drawings and all other relevant documentation.

2. VALUE ADDED TAX

The **contract sum** must include for 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.

3. FIXED PRICE CONTRACT

Tenderers are to take note that contract price adjustments are not applicable to this contract. Tenderers should therefore make provision in the **contract sum**, Bill of Quantities, etc., for possible price increases during the contract period, as no claims in this regard shall be entertained.

4. QUANTITIES PROVISIONAL

The quantities set out in the schedules are measured provisionally and will be subject to re-measurement on completion of the Maintenance Works.

5. ZERO, NIL, GRATIS, UNBALANCED OR NON- MARKET RELATED RATES

Zero, nil, gratis, unbalanced or non- market related rates will not be accepted and The Department reserves the right to adjust such rates without altering the tender value. The Bill of quantities must therefore be returned with the tender documentation

6. CONTRACT PRICE ADJUSTMENT PROVISION

Contract price adjustment provision CPAP is not applicable to this tender document.

7. MATERIAL ITEM UNIT RATES

Material item unit rates shall include for all labour, material profit overhead, transport, as well as disconnecting and removal of existing etc.

8. MARK-UP

Percentage mark-up is allowed on non-scheduled material, parts and components only and not on labour, transport and sub-contractor's services. The total discount obtained from the supplier shall be credited to the Department. The percentage mark-up shall then be calculated on the total discount price excluding VAT. This must be indicated in the Bill of Quantities applicable to the resulting contract. Percentage mark-up allowed. A provisional amount has been provided in the Rates of Schedules. Tenderers to indicate percentage profit as indicated in the schedule of rates.

9. TRANSPORT COST

Transport cost for schedule items can only be claimed if distance traveled is more than 50km radius from the General Post office or the office of the service provider (whichever is the lesser) of the



subject area of this tender. Transport cost will be calculated according to the distance travelled to the site/building where the work is to be executed. Where more than one service has to be done on the same day in the same area, transport cost will be calculated on actual distance travelled outside the 50km radius as below example.

From Post Office to property A- 135Km: from property A to property B-7Km: from property B to property C-5Km: from property C to Post Office = travel that can be claimed 187km 140Km = Total distance that can be claimed - (50km radius) = Total km.

The Contractor shall make the necessary arrangements to have the required parts, material or equipment available to execute repair work, therefore no claims for delivery costs or transport costs to collect parts, material or equipment shall be accepted. Workers travelling in the vehicle are to be included in transport costs.

10 MEASUREMENTS

The unit of measurement is indicated in the Scope of works and in the Bill of Quantities.

DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE

NST22/04

TENDER NUMBER: 2

CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO
 LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION

MANDATORY: TENDERERS MUST COMPLETE BILL OF QUANTITIES IN BLACK INK

SCHEDULE No. 1
 EXTERIOR LIGHTS

REPAIR WORK
 ELECTRICAL

PAYMENT REFERS TO	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
HE 09.03.02.01	101.00	GENERAL REPAIR				
	101,01	Excavation				
		.01 Excavate in all materials for trenches, backfill, compact and dispose of surplus material	m ³	1	-	
		.02 Extra over item .01 for excavating in hard material	m ³	1	-	
		.03 Extra over item .01 for excavating by hand in all material	m ³	1	-	
HE 09.03.04.18		.04 Extra over item .01 for using backfill material obtained from sources provided	m ³	1	-	
	101,02	Supply and install uPVC pipes				
		.01 50 mm Ø	m	1	-	
		.02 76 mm Ø	m	1	-	
HE 09.03.04.19		.03 110 mm Ø	m	1	-	
	101,03	Supply and install warning tape	m	1	-	
Carried Forward						

HE-1

SCHEDULE No. 1
EXTERIOR LIGHTS

REPAIR WORK
ELECTRICAL

PAYMENT REFERS TO	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Forward						
HE 09.01.02.01	102.00	Distribution board				
	102,01	Service distribution board				
	.01	Flush	No.	1	-	
	.02	Surface	No.	1	-	
HE 09.01.02.02	102,04	Service light switch				
	.01	16A, single lever, one way	No.	1	-	
	.02	16A, double lever, one way	No.	1	-	
	.03	16A, three lever, one way	No.	1	-	
HE 09.02.01.04	102,05	Replace light switch				
	.01	16A, single lever, one way	No.	1	-	
	.02	16A, double lever, one way	No.	1	-	
	.03	16A, three lever, one way	No.	1	-	
HE 09.02.02.04	102,06	Supply and install light switch				
	.01	16A, single lever, one way	No.	1	-	
	.02	16A, double lever, one way	No.	1	-	
	.03	16A, three lever, one way	No.	1	-	
Carried Forward						

HE-2

SCHEDULE No. 1
EXTERIOR LIGHTS

REPAIR WORK
ELECTRICAL

PAYMENT REFERS TO	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Forward						
HE 09.01.02.03	102,07	Service photoelectric switch				
		.01 National plug-in type	No.	1	-	
		.02 National 16A with bracket	No.	1	-	
HE 09.02.01.05	102,08	Replace photoelectric switch				
		.01 National plug-in type	No.	1	-	
		.02 National 16A with bracket	No.	1	-	
HE 09.01.02.03	102,09	Supply and install photoelectric switch				
		.01 National plug-in type	No.	1	-	
		.02 National 16A with bracket	No.	1	-	
Carried Forward						

HE-3

SCHEDULE No. 1
EXTERIOR LIGHTS

REPAIR WORK
ELECTRICAL

PAYMENT REFERS TO	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Forward						
HE 09.03.04.10	103,01	Supply and install of PVC/SWA/PVC Cu LV cable				
		.01 1.5 mm², 3-core	m	1	-	
		.02 2.5 mm², 3-core	m	1	-	
		.03 4 mm², 3-core	m	1	-	
		.04 6 mm², 3-core	m	1	-	
		.05 10 mm², 3-core	m	1	-	
		.06 16 mm², 3-core	m	1	-	
HE 09.03.04.11	103,02	Laying of PVC/SWA/PVC Cu LV cable				
		.01 1.5 mm², 3-core	m	1	-	
		.02 2.5 mm², 3-core	m	1	-	
		.03 4 mm², 3-core	m	1	-	
		.04 6 mm², 3-core	m	1	-	
		.05 10 mm², 3-core	m	1	-	
		.06 16 mm², 3-core	m	1	-	
HE 09.03.04.12	103,03	Termination of PVC/SWA/PVC Cu LV cable				
		.01 1.5 mm², 3-core	m	1	-	
		.02 2.5 mm², 3-core	m	1	-	
		.03 4 mm², 3-core	m	1	-	
		.04 6 mm², 3-core	m	1	-	
		.05 10 mm², 3-core	m	1	-	
		.06 16 mm², 3-core	m	1	-	
HE 09.03.04.13	103,04	Joining of PVC/SWA/PVC Cu LV cable				
		.01 1.5 mm², 3-core	m	1	-	
		.02 2.5 mm², 3-core	m	1	-	
		.03 4 mm², 3-core	m	1	-	
		.04 6 mm², 3-core	m	1	-	
		.05 10 mm², 3-core	m	1	-	
Carried Forward						

HE-4

SCHEDULE No. 1
EXTERIOR LIGHTS

REPAIR WORK
ELECTRICAL

PAYMENT REFERS TO	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Forward						
HE 09.02.02.15	103,05	Supply and install of BCEW				
		.01 1.5 mm²	m	1	-	
		.02 2.5 mm²	m	1	-	
		.03 4 mm²	m	1	-	
		.04 6 mm²	m	1	-	
		.05 10 mm²	m	1	-	
		.06 16 mm²	m	1	-	
HE 09.02.02.16	103,06	Laying of BCEW				
		.01 1.5 mm²	m	1	-	
		.02 2.5 mm²	m	1	-	
		.03 4 mm²	m	1	-	
		.04 6 mm²	m	1	-	
		.05 10 mm²	m	1	-	
		.06 16 mm²	m	1	-	
HE 09.02.02.17	103,07	Termination of BCEW				
		.01 1.5 mm²	m	1	-	
		.02 2.5 mm²	m	1	-	
		.03 4 mm²	m	1	-	
		.04 6 mm²	m	1	-	
		.05 10 mm²	m	1	-	
		.06 16 mm²	m	1	-	
HE 09.02.02.18	103,08	Joining of BCEW				
		.01 1.5 mm²	m	1	-	
		.02 2.5 mm²	m	1	-	
		.03 4 mm²	m	1	-	
		.04 6 mm²	m	1	-	
		.05 10 mm²	m	1	-	
Carried Forward						

HE-5

SCHEDULE No. 1
EXTERIOR LIGHTS

REPAIR WORK
ELECTRICAL

PAYMENT REFERS TO	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Forward						
HE 09.02.01.20	104,01	Replace exterior light steel mounting bracket				
	104,02	Replace wooden pole				
	.01	9 m wooden pole	No.	1	-	
	.02	14 m wooden pole	No.	1	-	
	104,03	Replace steel pole				
	.01	bollard steel pole	No.	1	-	
	.02	6 m steel pole	No.	1	-	
	.03	6 m two stepped steel pole	No.	1	-	
	.04	9 m steel pole	No.	1	-	
	.05	9 m two stepped steel pole	No.	1	-	
	.06	14 m steel pole	No.	1	-	
	.07	14 m two stepped steel pole	No.	1	-	
	104,04	Replace fiberglass pole				
	.01	bollard fiberglass pole	No.	1	-	
	.02	6 m fiberglass pole	No.	1	-	
	.03	9 m fiberglass pole	No.	1	-	
	.04	14 m fiberglass pole	No.	1	-	
Carried Forward						

HE-6

SCHEDULE No. 1
EXTERIOR LIGHTS

REPAIR WORK
ELECTRICAL

PAYMENT REFERS TO	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Forward						
HE 09.02.01.21	104,05	Replace pole cover	No.	1	-	
HE 09.02.01.22	104,06	Replace pole bracket	No.	1	-	
HE 09.02.01.30	105.00	Replace luminaire				
	105,01	BULKHEAD				
	.01	16 W 2PL9 Bulkhead luminaire	No.	1	-	
	.02	E27 Bulkhead luminaire	No.	1	-	
	.03	16 W 2D Bulkhead luminaire	No.	1	-	
	.04	16 W LED Bulkhead luminaire	No.	1	-	
	105,02	POST TOP				
	.05	2 x 18 W CFL Post Top	No.	1	-	
	.06	2 x 26 W CFL Post Top	No.	1	-	
	.07	36 W LED Post Top	No.	1	-	
	.08	55 W LED Post Top	No.	1	-	
	.09	70 W HPS Post Top	No.	1	-	
	.10	100 W HPS Post Top	No.	1	-	
	.11	70 W MH Post Top	No.	1	-	
	.12	100 W MH Post Top	No.	1	-	
	.13	125 W MV Post Top	No.	1	-	
Carried Forward						

HE-7

SCHEDULE No. 1
EXTERIOR LIGHTS

REPAIR WORK
ELECTRICAL

PAYMENT REFERS TO	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Forward						
HE 09.02.01.31	105,03	STREETLIGHT				
	.14	2 x 26 W CFL Streetlight	No.	1	-	
	.15	18 W LED Streetlight	No.	1	-	
	.16	36 W LED Streetlight	No.	1	-	
	.17	55 W LED Streetlight	No.	1	-	
	.18	70 W HPS Streetlight	No.	1	-	
	.19	100 W HPS Streetlight	No.	1	-	
	.20	150 W HPS Streetlight	No.	1	-	
	.21	70 W MH Streetlight	No.	1	-	
	.22	100 W MH Streetlight	No.	1	-	
	.23	125 W MV Streetlight	No.	1	-	
	105,04	FLOODLIGHT				
	.24	10 W LED Floodlight	No.	1	-	
	.25	20 W LED Floodlight	No.	1	-	
	.26	30 W LED Floodlight	No.	1	-	
	.27	100 W LED Floodlight	No.	1	-	
	.28	150 W LED Floodlight	No.	1	-	
	.29	200 W LED Floodlight	No.	1	-	
	.30	400 W LED Floodlight	No.	1	-	
	31	250 W HPS Floodlight	No.	1	-	
	.32	400 W HPS Floodlight	No.	1	-	
	105,05	Replace luminaire diffuser				
	.01	Bulkhead Rectangular	No.	1	-	
	.02	Bulkhead Round	No.	1	-	
	.03	Bulkhead Oval	No.	1	-	
	.04	Post Top	No.	1	-	
	.05	Streetlight	No.	1	-	
Carried Forward						

HE-8

SCHEDULE No. 1
EXTERIOR LIGHTS

REPAIR WORK
ELECTRICAL

PAYMENT REFERS TO	ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
Brought Forward						
HE 09.02.01.32	105,06	Replace luminaire lamp				
		.01 16 W 2D CFL lamp	No.	1	-	
		.02 16 W 2PL9 lamp	No.	1	-	
		.03 18 W CFL lamp	No.	1	-	
		.04 26 W CFL lamp	No.	1	-	
		.05 70 W HPS lamp	No.	1	-	
		.06 100 W HPS lamp	No.	1	-	
		.07 150 W HPS lamp	No.	1	-	
		.08 70 W MH lamp	No.	1	-	
		.09 100 W MH lamp	No.	1	-	
		.10 125 W MV lamp	No.	1	-	
HE 09.02.01.33	105,07	Replace wiring				
		.01 1.5 mm² PVC, GP wire	m	1		
		.02 1.5 mm², 2-core Surfex cable	m	1		
Carried to Summary						

PG-01.1 (EC) SCOPE OF WORKS – (GCC (2010) 2nd EDITION: 2010)

Project title:	CLUSTER: UNSCHEDULED MAINTENANCE CONTRACT FOR SECURITY/STREETLIGHTS AND APOLLO LIGHTS FOR TWELVE MONTHS (12) - EHLANZENI REGION		
Tender no:	NST22/042	Reference no:	

C3. Scope of Works

CONTENTS

C3.1 STANDARD SPECIFICATIONS

C3.1.1 STANDARD ELECTRICAL SPECIFICATIONS

C3.2 PROJECT SPECIFICATIONS

A: GENERAL

- PS-1 PROJECT DESCRIPTION
- PS-2 DESCRIPTION OF SITE AND ACCESS
- PS-3 DETAILS OF CONTRACT
- PS-4 CONSTRUCTION AND MANAGEMENT REQUIREMENTS
- PS-5 CONSTRUCTION PROGRAMME
- PS-6 SITE FACILITIES AVAILABLE
- PS-7 SITE FACILITIES REQUIRED
- PS-8 REQUIREMENTS FOR ACCOMMODATION OF TRAFFIC
- PS-9 OCCUPATIONAL HEALTH AND SAFETY
- PS-10 ADVERSE WEATHER CONDITIONS
- PS-11 FEATURES REQUIRING SPECIAL ATTENTION
- PS-12 CERTIFICATE OF PAYMENT
- PS-13 CONSTRUCTION IN RESTRICTED AREAS
- PS-14 DRAWINGS
- PS-15 LEGISLATION
- PS-16 INSURANCE AMOUNT
- PS-17 TIME FOR COMPLETION
- PS-18 PRACTICAL COMPLETION
- PS-19 PENALTIES
- PS-20 NON-WORKING DAYS AND HOURS

B: AMENDMENTS TO THE STANDARD SPECIFICATIONS

SANS 1200: GENERAL

SANS 1200AB: ENGINEER'S OFFICE

C3.3 PARTICULAR SPECIFICATIONS

C3.3.1 TECHNICAL SPECIFICATIONS

HE: EXTERIOR LIGHTS

C3.3.2 PARTICULAR SPECIFICATIONS

N/A

C3.3.3 ADDITIONAL SPECIFICATIONS

SA: GENERAL MAINTENANCE
SB: OPERATING AND MAINTENANCE MANUALS
SC: GENERAL DECOMMISSION, TESTING AND COMMISSION PROCEDURES
SD: GENERAL TRAINING
SF: GENERAL OPERATION
SI: OHSACT



Tender no: NST21/042

C3.1 STANDARD SPECIFICATIONS:

The standard specifications on which this contract is based are the **South African Bureau of Standards Standardized Specifications for Civil Engineering Construction SABS 1200**. *(Note to compiler. "SABS" has been changed to "SANS"; the SABS 1200 specifications are due to be replaced in the foreseeable future by SANS 2100)*

Although not bound in nor issued with this Document, the following Sections of the Standardized Specifications of SABS 1200 shall form part of this Contract:

1. Standard Specification for the Electrical Equipment and Installation for Mechanical Services - latest edition.
2. Standard Electrical Specifications, January 1984, GPS 24-0367**
3. Department of Public Works - Standard Electrical Specifications (April 1999) **

* Not issued with this document, but available at the Contractor's expense from the SA Bureau of Standards, Private Bag X191, PRETORIA, 0001.

** Not issued with this document but available from the Director General, Department of Public Works, Private Bag X65, PRETORIA 0001, or any office of the Regional Representative of this Department.

STANDARD SPECIFICATION FOR ELECTRICAL WORKS

PART 1: GENERAL

CONTENTS

INDEX	PAGE NO.
1. TESTS	5
2. MAINTENANCE OF INSTALLATIONS	5
3. REGULATIONS	5
4. NOTICES AND FEES	5
5. SCHEDULE OF FITTINGS	6
6. QUALITY OF MATERIALS	6
7. CONDUIT AND ACCESSORIES	6
8. CONDUIT IN ROOF SPACES	7
9. SURFACE MOUNTED CONDUIT	8
10. CONDUIT IN CONCRETE SLABS	8
11. FLEXIBLE CONNECTIONS FOR CONNECTING UP OF STOVES, MACHINES, ETC.	9
12. WIRING	9
13. SWITCHES AND SOCKET OUTLETS	9
14. SWITCHGEAR	10
15. SWITCHBOARDS	10
16. WORKMANSHIP AND STAFF	10
17. CERTIFICATE OF COMPLIANCE	10
18. EARTHING OF INSTALLATION	11
19. MOUNTING AND POSITIONING OF LUMINAIRES	12

1. TESTS

After completion of the works and before first delivery is taken, a full test will be carried out on the installation for a period of sufficient duration to determine the satisfactory working thereof. During this period the installations will be inspected and the Contractor shall make good, to the satisfaction of the Representative/Agent, any defects which may arise.

The Contractor shall provide all instruments and equipment required for testing and any water, power and fuel required for the commissioning and testing of the installations at completion.

2. MAINTENANCE OF INSTALLATIONS

With effect from the date of the First Delivery Certificate the Contractor shall at his own expense undertake the regular servicing of the installation during the maintenance period and shall make all adjustments necessary for the correct operation thereof.

THE NORMAL CONTRACTUAL GUARANTEE AND FREE MAINTENANCE PERIOD INCLUDED IN THIS CONTRACT SHALL BE 12 MONTHS.

If during the said period the installations is not in working order for any reason for which the Contractor is responsible, or if the installations develops defects, he shall immediately upon being notified thereof take steps to remedy the defects and make any necessary adjustments.

Should such stoppages however be so frequent as to become troublesome, or should the installations otherwise prove unsatisfactory during the said period the Contractor shall, if called upon by the Representative/Agent or the Director-General, at his own expense replace the whole of the installations or such parts thereof as the Representative/Agent or the Director-General may deem necessary with apparatus specified by the Representative/Agent or the Director-General.

3. REGULATIONS

The installation shall be erected and tested in accordance with the following Acts and regulations:

- a) The latest issue of SANS 0142: "Code of Practice for the Wiring of Premises",
- b) The Occupational Health and Safety Act, 1993 (Act 85 of 1993) as amended,
- c) The Local Government Ordinance 1939 (Ordinance 17 of 1939) as amended and the municipal by-laws and any special requirements of the local supply authority,
- d) The Fire Brigade services Act 1993 Act 99 of 1987 as amended,
- e) The National Building Regulations and Building Standards Act 1977 (Act 103 of 1977) as amended,
- f) The Post Office Act 1958 (Act 44 of 1958) as amended,
- g) The Electricity Act 1984 (Act 41 of 1984) as amended and
- h) The Regulations of the local Gas Board where applicable.

4. NOTICES AND FEES

The Contractor shall give all notices required by and pay all necessary fees, including any connection and inspection fees, which may be due to the local Supply Authority.

On production of the official account, only the net amount of the fee charged by the Supply Authority for connection of the installation to the supply mains, will be refunded to the Contractor by the Department.

5. SCHEDULE OF FITTINGS

In all instances where schedule of light, socket outlet and power points are attached to or included on the drawings, these schedules are to be regarded as forming part of the specification.

6. QUALITY OF MATERIALS

Only materials of first-class quality shall be used and all materials shall be subject to the approval of the Department. Departmental specifications for various materials to be used on this Contract are attached and form part of this specification.

Wherever applicable the material is to comply with the relevant South African Bureau of Standards, specifications, or to British Standard Specifications, where no SABS Specifications exist.

Materials wherever possible, must be of South African manufacture.

7. CONDUIT AND ACCESSORIES

Only one manufactured type of conduit and conduit accessories will be permitted throughout the installation.

7.1 CONDUIT

The type of conduit and accessories required for the service, i.e. whether the conduit and accessories shall be of the screwed type, plain-end type or of the non-metallic type and whether metallic conduit shall be black enamelled or galvanised, is specified in Part 2 of this specification.

Unless other methods of installation are specified for certain circuits, the installation shall be in conduit throughout. No open wiring in roof spaces or elsewhere will be permitted.

The conduit and conduit accessories shall comply fully with the applicable SANS specifications as set out below and the conduit shall bear the mark of approval of the South African National Standards.

- a) Screwed metallic conduit and accessories: SABS 1065, parts 1 and 2.
- b) Plain-end metallic conduit and accessories: SABS 1065, parts 1 and 2.
- c) Non-metallic conduit and accessories: SABS 950

For light and socket outlet circuits, the conduit used shall have an external diameter of 20 mm. In all other instances the sizes of conduit shall be in accordance with the "Wiring Code" for the specified number and size of conductors, unless otherwise directed in Part 2 of this specification or indicated on the drawings.

All metallic conduit shall be manufactured of mild steel with a minimum thickness of 1,2 mm for plain-end conduit and 1,6 mm in respect of screwed conduit.

Under no circumstances will conduit having a wall thickness of less than 1,6 mm be allowed in screeding laid on top of concrete slabs.

All conduit and accessories used in areas within 50 km of the coast shall be galvanised to SANS 763.

Contractors must ensure that general approval of the proposed conduit system to be used is obtained from the local electricity supply authority prior to the submission of their tender. Under no circumstances will consideration be given by the Department to any claim submitted by the Contractor which may result from a lack of knowledge in regard to the supply authority's requirements.

7.2 ACCESSORIES

All conduit fittings except couplings, shall be of the inspection type. Where cast metal conduit accessories are used, these shall be of malleable iron. Zinc base fittings will not be allowed.

Conduit and conduit accessories used for flame-proof or explosion proof installations and for the suspension of luminaires as well as all load bearing conduit shall in all instances be of the metallic screwed type.

7.2.1 BUSHINGS

Bushes used for metallic conduit shall be brass and shall be provided in addition to locknuts at all points where the conduit terminates at switchboards, switch-boxes, draw-boxes, etc. Draw-boxes are to be provided in accordance with the "Wiring Code" and wherever necessary to facilitate easy wiring.

7.2.2 JOINTS

Running joints in screwed conduit are to be avoided as far as possible and all conduit systems shall be set or bent to the required angles. The use of normal bends must be kept to a minimum with exception of larger diameter conduits where the use of such bends is essential.

7.2.3 BENDS

Bending and setting of conduit must be done with special bending apparatus manufactured for the purpose and which are obtainable from the manufacturers of the conduit systems. Damage to conduit resulting from the use of incorrect bending apparatus or methods applied must on indication by the Departmental Representative, be completely removed and rectified and any wiring already drawn into such damaged conduits must be completely renewed at the Contractor's expense.

8. CONDUIT IN ROOF SPACES

Conduit in roof spaces shall be installed parallel or at right angles to the roof members and shall be secured at intervals not exceeding 1,5 m by means of saddles screwed to the roof timbers.

Nail or crampets will not be allowed.

Where non-metallic conduit has been specified for a particular service, the conduit shall be supported and fixed with saddles with a maximum spacing of 450 mm. The Contractor shall supply and install all additional supporting timbers in the roof space as required.

Under flat roofs, in false ceilings or where there is less than 0,9 m of clearance, or should the ceilings be insulated with glass wool or other insulating material; the conduit shall be installed in such a manner as to allow for all wiring to be executed from below the ceilings.

Conduit runs from distribution boards shall, where possible terminate in fabricated sheet steel draw-boxes installed directly above or in close proximity to the boards.

9. SURFACE MOUNTED CONDUIT

Wherever possible, the conduit installation is to be concealed in the building work; however, where unavoidable or otherwise specified under Part 2 of the specification, conduit installed on the surface must be plumbed or levelled and only straight lengths shall be used.

The use of inspection bends is to be avoided and instead the conduit shall be set uniformly and inspection coupling used where necessary.

No threads will be permitted to show when the conduit installation is complete, except where running couplings have been employed.

Alternatively, fittings, tees, boxes, couplings etc., are to be cut into the surface to allow the conduit to fit flush against the surface. Conduit is to be bedded into any wall irregularities to avoid gaps between the surface and the conduit.

Crossing of conduits is to be avoided, however, should it be necessary purpose-made metal boxes are to be provided at the junction. The finish of the boxes and positioning shall be in keeping with the general layout.

Where several conduits are installed side by side, they shall be evenly spaced and grouped under one purpose-made saddle.

Distribution boards, draw-boxes, industrial switches and socket outlets etc., shall be neatly recessed into the surface to avoid double sets.

In situations where there are no ceilings the conduits are to be run along the wall plates and the beams.

Painting of surface conduit shall match the colour of the adjacent wall finishes.

Only approved plugging materials such as aluminium inserts, fibre plugs, plastic plugs, etc., and round-head screws shall be used for fixing saddles, switches, socket outlets, etc., to walls, wood plugs and the plugging in joints in brick walls are not acceptable.

10. CONDUIT IN CONCRETE SLABS

In order not to delay building operations the Contractor must ensure that all conduits and other electrical equipment which are to be cast in the concrete columns and slabs are installed in good time.

The Contractor shall have a representative in attendance at all times when the casting of concrete takes place.

Draw-boxes, expansion joint boxes and round conduit boxes are to be provided where necessary. Sharp bends of any nature will not be allowed in concrete slabs.

Draw and/or inspection boxes shall be grouped under one common cover plate, and must preferable be installed in passages or male toilets.

All boxes, etc., are to be securely fixed to the shuttering to prevent displacement when concrete is cast. The conduit shall be supported and secured at regular intervals and installed as close as possible to the neutral axis of concrete slabs and/or beams.

Before any concrete slabs are cast, all conduit droppers to switchboards shall be neatly spaced and rigidly fixed.

11. FLEXIBLE CONNECTIONS FOR CONNECTING UP OF STOVES, MACHINES, ETC.

Flexible tubing connections shall be of galvanised steel construction, and in damp situations of the plastic sheathed galvanised steel type. Other types may only be used subject to the prior approval of the Department's site electrical representative.

Connectors for coupling onto the flexible tubing shall be of the gland or screw-in types, manufactured of either brass or cadmium or zinc plated mild steel, and the connectors after having been fixed onto the tubing, shall be durable and mechanically sound.

Aluminium and zinc alloy connectors will not be acceptable.

12. WIRING

Except where otherwise specified in Part 2 of this specification, wiring shall be carried out in conduit throughout. Only one circuit per conduit will be permitted.

No wiring shall be drawn into conduit until the conduit installation has been completed and all conduit ends provided with bushes. All conduits to be clear of moisture and debris before wiring is commenced.

Unless otherwise specified in Part 2 of this specification or indicated on the service drawings, the wiring of the installation shall be carried out in accordance with the "Wiring Code". Further to the requirements concerning the installation of earth conductors to certain light points as set out in the "Wiring Code", it is a specific requirement of this document that where plain-end metallic conduit or non-metallic conduit has been used, earth conductors must be provided and drawn into the conduit with the main conductors to all points, including all luminaires and switches throughout the installation.

Wiring for lighting circuits is to be carried out with 1,5 mm² conductors and a 1,5 mm²-earth conductor. For socket outlet circuits the wiring shall comprise 4mm² conductors and a 2,5mm²-earth conductor. In certain instances, as will be directed in Part 2 of this specification, the sizes of the aforementioned conductors may be increased for specified circuits. Sizes of conductors to be drawn into conduit in all other instances, such as feeders to distribution boards, power points etc., shall be as specified elsewhere in this specification or indicated on the drawings. Sizes of conductors not specified must be determined in accordance with the "Wiring Code".

The loop-in system shall be followed throughout, and no joints of any description will be permitted.

The wiring shall be done in PVC insulated 600/1000 V grade cable to SANS 1507.

Where cable ends connect onto switches, luminaires etc., the end strands must be neatly and tightly twisted together and firmly secured. Cutting away of wire strands of any cable will not be allowed.

13. SWITCHES AND SOCKET OUTLETS

All switches and switch-socket outlet combination units shall conform to the Department Quality Specifications, which form part of this specification.

No other than 16 A, 3 pin sockets are to be used, unless other special purpose types are distinctly specified or shown on the drawings.

All light switches shall be installed at 1,4 m above finished floor level and all socket outlets as directed in the Schedule of Fittings which forms part of this specification or alternatively the height of socket outlets may be indicated on the drawings.

14. SWITCHGEAR

Switchgear, which includes circuit breakers, iron-clad switches, interlocked switch-socket outlet units, contactors, time switches, etc., is to be in accordance with the Departmental Quality Specifications which form part of this specification and shall be equal and similar in quality to such brands as may be specified.

For uniform appearance of switchboards, only one approved make of each of the different classes of switchgear mentioned in the Quality Specifications shall be used throughout the installations.

15. SWITCHBOARDS

All boards shall be in accordance with the types as specified, be constructed according to the detail or type drawings and must be approved by the Department before installation.

In all instances where provision is to be made on boards for the supply authority's main switch and/or metering equipment the contractor must ensure that all requirements of the authorities concerned in this respect are met.

Any construction or standard type board proposed, as an alternative to that specified must have the prior approval of the Department.

All busbars, wiring, terminals, etc., are to be adequately insulated and all wiring is to enter the switchgear from the back of the board. The switchgear shall be mounted within the boards to give a flush front panel. Cable and boxes and other ancillary equipment must be provided where required.

Clearly engraved labels are to be mounted on or below every switch. The working of the labels in English, is to be according to the lay-out drawings or as directed by the Electrical Engineer and must be confirmed on site. Flush mounted boards to be installed with the top of the board 2,0 m above the finished floor level.

16. WORKMANSHIP AND STAFF

An accredited person shall exercise general control over all electrical installation work being carried out.

The workmanship shall be of the highest grade and to the satisfaction of the Department.

All inferior work shall, on indication by the Department's Representative, immediately be removed and rectified by and at the expense of the Contractor.

17. CERTIFICATE OF COMPLIANCE

On completion of the service, a certificate of compliance must be issued to the Principal Agent/Electrical Engineer or Employer in terms of the Occupational Health and Safety Act, 1993 (Act 85 of 1993) in the format as set out in SANS 10142-1 & 2.

18. EARTHING OF INSTALLATION

18.1 MAIN EARTHING

The type of main earthing must be as required by the supply authority if other than the Employer, and in any event as directed by the Principal Agent/Electrical Engineer, who may require additional earthing to meet test standards.

Where required an earth mat shall be provided, the minimum size, unless otherwise specified, being 1,0 m x 1,0 m and consisting of 4 mm diameter hard-drawn bare copper wires at 250 mm centres, brazed at all intersections.

Alternatively, or additionally earth rods or trench earths may be required as specified or directed by the Electrical Engineer.

Installations shall be effectively earthed in accordance with the "Wiring Code" and to the requirements of the supply authority. All earth conductors shall be stranded copper with or without green-yellow PVC insulation.

Connection from the main earth bar on the main board must be made to the cold water main, the incoming service earth conductor, if any and the earth mat or other local electrode by means of 12 mm x 1,60 mm solid copper strapping or 16 mm² stranded (not solid) bare copper wire or such conductor as the Department's representative may direct. Main earth copper strapping where installed below 3 m from ground level, must be run in 20 mm diameter conduit securely fixed to the walls.

All other hot and cold-water pipes shall be connected with 12 mm x 0,8 mm perforated for solid copper strapping (not conductors) to the nearest switchboard. The strapping shall be fixed to the pipework with brass nuts and bolts and against walls with brass screws at 150-mm centres. In all cases where metal water pipes, down pipes, flues, etc., are positioned within 1,6 m of switchboards an earth connection consisting of copper strapping shall be installed between the pipework and the board. In vertical building ducts accommodating both metal water pipes and electrical cables, all the pipes shall be earthed at each distribution board.

18.2 ROOFS, GUTTERS AND DOWNPIPES

Where service connections consist of overhead conductors, all metal parts of roofs, gutters and down pipes shall be earthed. One bare 10 mm² copper conductor shall be installed over the full length of the ceiling void, fixed to the top purlin and connected to the main earth conductor and each switchboard. The roof and gutters shall be connected at 15 m intervals to this conductor by means of 12 mm X 0,8 mm copper strapping (not conductors) and galvanised bolts and nuts. Self-tapping screws are not acceptable. Where service connections consist of underground supplies, the above requirements are not applicable.

18.3 SUB-DISTRIBUTION BOARDS

A separate earth connection shall be supplied between the earth busbar in each sub-distribution board and the earth busbar in the Main Switchboard. These connections shall consist of a bare or insulated stranded copper conductors installed along the same routes as the supply cables or in the same conduit as the supply conductors. Alternatively, armoured cables with earth continuity conductors included in the armouring may be utilised where specified or approved.

18.4 SUB-CIRCUITS

The earth conductors of fall sub-circuits shall be connected to the earth busbar in the supply board in accordance with SANS 10142.

PROJECT SPECIFICATION

PART A: GENERAL

CONTENTS

PS1	PROJECT DESCRIPTION
PS2	DESCRIPTION OF SITE AND ACCESS
PS3	DETAILS OF CONTRACT
PS4	CONSTRUCTION AND MANAGEMENT REQUIREMENTS
PS5	CONSTRUCTION PROGRAMME
PS6	SITE FACILITIES AVAILABLE
PS7	SITE FACILITIES REQUIRED FOR THE ENGINEER
PS8	REQUIREMENTS FOR ACCOMMODATION OF TRAFFIC
PS9	OCCUPATIONAL HEALTH AND SAFETY
PS10	ADVERSE WEATHER CONDITIONS
PS11	FEATURES REQUIRING SPECIAL ATTENTION
PS12	CERTIFICATE OF PAYMENT
PS13	CONSTRUCTION IN RESTRICTED AREAS
PS14	DRAWINGS
PS15	LEGISLATION
PS16	INSURANCE AMOUNTS
PS17	TIME FOR COMPLETION
PS18	PRACTICAL COMPLETION
PS19	PENALTIES
PS20	NON-WORKING DAYS AND HOURS

PART B: AMENDMENTS TO THE STANDARD SPECIFICATION

SANS 1200 A GENERAL
SANS 1200 AB ENGINEER'S OFFICE

PS1 GENERAL DESCRIPTION

The project entails the maintenance of facilities and infrastructure at National Government buildings (Police Stations, Magistrate Courts, Prisons, Military Bases, etc. throughout Mpumalanga Province. Each installation requires work that may include any or more of the activities as set out in PS3 below: decommissioning, corrective maintenance, reconditioning, testing, recommissioning and maintenance during this contract.

The work also includes compilation of Operating and Maintenance manuals, key site plans as well as training of User Client operators and all maintenance personnel.

Implementation of labour-intensive practices under the Expanded Public Works Programme (EPWP) to a value of not less than ten percent (10%) of the tendered contract amount for wages paid to local labour.

PS2 DESCRIPTION OF SITE AND ACCESS

The site, National Government Buildings such as police stations, magistrate courts, prisons and military bases, to name just a few, a list is included the various site throughout Mpumalanga Province.

The Contractor will be granted access to the installations. Renumeration for preventative and breakdown maintenance of the part of the installation, will be pro-rata the tendered rate for the complete installation, based on the scope and size of the completed part of the installation.

PS3 DETAILS OF CONTRACT

All work forming part of this contract is divided into installations. The work to be performed as part of an installation under this contract involves the work described below under PS 3.3.

No distinction is made between maintenance prior to practical completion and maintenance of completed installations for the purpose of this contract.

The Contractor will have the opportunity at the start of the contract to point out items which are not in perfect working order, which in turn will be serviced or perform corrective maintenance as per the relevant tendered rates. The Contractor must submit a written verification report, including photographs (all installations included) of these items within 28 days of the date of hand over. Failing to submit the report within the allowed time will render any and all defective items part of the Contractor's maintenance responsibility as set out in the relevant Technical and Particular Specification.

PS3.1 EXISTING SITES

See Annexure A – List of towns

PS3.2 EXISTING FACILITIES

See Annexure A – List of towns

PS3.2.1 ASSET REGISTER

See Annexure A – List of towns

PS3.3 CORRECTIVE MAINTENANCE WORK

The emphasis of this contract is maintenance. Corrective maintenance items as listed below were allowed for work that is required outside the normal maintenance responsibilities at the start of the contractual access to installations.

The following corrective maintenance work is included at various sites. The items allowed for in the Scope of Works will only be executed upon instruction from the Engineer when so required and when necessary.

PS3.3.1 DESCRIPTION OF CORRECTIVE MAINTENANCE WORK

The emphasis of this contract is maintenance. Corrective maintenance items as listed below were allowed for work that is required outside the normal maintenance responsibilities at the start of the Contractual access to installations.

The following corrective maintenance work is included at various sites. The items allowed for in the scope of works will only be executed upon instruction from the Engineer when so required and when necessary.

General Items:

1. Compile and supply a complete Site Plan.
2. Compliance to OHSAct requirements, Construction regulations and other regulations.

Part HE: Exterior lighting system

1. Service distribution boards
1. Service contactor
2. Service photoelectric switch
3. Service light switch
4. Service exterior lights luminaire mounting support
5. Service exterior lights luminaire
6. Exterior lights luminaire lamp replacement

PS3.4 MAINTENANCE OF INFRASTRUCTURE

Exterior lighting system

PS3.5 OPERATION OF INFRASTRUCTURE

Operation of bypass switch is required where photoelectric/time switch is faulty.

PS3.6 ROUTINE MAINTENANCE WORK

Maintenance of each of the above installations will be the responsibility of the Contractor and will be evaluated by the Engineer. The remuneration for maintenance work and responsibilities will be certified accordingly.

Details of the required routine and preventative maintenance are given in the relevant Technical Specifications and in Additional Specification SA: General Maintenance.

PS4 CONSTRUCTION AND MANAGEMENT REQUIREMENTS

The Contractor shall be responsible for minor construction work as part of the corrective maintenance, as set out in the Bill of Quantities and as per relevant specification. The Contractor shall be responsible for all management to do work as indicated in SANS 1200 A.

Tender no: NST21/042

C3.2 PROJECT SPECIFICATIONS:

Status

The Project Specification, consisting of two parts, forms an integral part of the contract and supplements the Standard Specifications.

Part A contains a general description of the works, the site and the requirements to be met.

Part B contains variations, amendments and additions to the Standardized Specifications.

In the event of any discrepancy between a part or parts of the Standardised of Particular Specifications and the Project Specification, the Project Specification shall take precedence. In the event of a discrepancy between the specifications, (including the Project Specifications) and the drawings and / or the Bill of Quantities, the discrepancy shall be resolved by the Engineer before the execution of the work under the relevant item.

A GENERAL

PS-1 PROJECT DESCRIPTION:

18.5 RING MAINS

Common earth conductors may be used where various circuits are installed in the same wire way in accordance with SANS 10142. In such instances the sizes of earth conductors shall be equivalent to that of the largest current carrying conductor installed in the wire way, alternatively the size of the conductor shall be as directed by the Engineer. Earth conductors for individual circuits branching from the ring main shall be connected to the common earth conductor with T-ferrules or soldered. The common earth shall not be broken.

18.6 NON-METALLIC CONDUIT

Where non-metallic conduit is specified or allowed, the installation shall comply with the Department's standard quality specification for "conduit and conduit accessories".

Standard copper earth conductors shall be installed in the conduits and fixed securely to all metal appliances and equipment, including metal switch boxes, socket-outlet boxes, draw-boxes, switchboards, luminaires, etc. The securing of earth conductors by means of self-threading screws will not be permitted.

18.7 FLEXIBLE CONDUIT

An earth conductor shall be installed in all non-metal flexible conduit. This earth conductor shall not be installed externally to the flexible conduit but within the conduit with the other conductors. The earth conductor shall be connected to the earth terminals at both ends of the circuit.

18.9 CONNECTION

Under no circumstances shall any connection points, bolts, screws, etc., used for earthing be utilised for any other purpose. It will be the responsibility of the Contractor to supply and fit earth terminals or clamps on equipment and materials that must be earthed where these are not provided.

Unless earth conductors are connected to proper terminals, the end shall be tinned and lugged.

19. MOUNTING AND POSITIONING OF LUMINAIRES

The Contractor is to note that in the case of board and acoustic tile ceilings, i.e. as opposed to concrete slabs, close co-operation with the building contractor is necessary to ensure that as far as possible the luminaires are symmetrically positioned with regard to the ceiling pattern.

The layout of the luminaires as indicated on the drawings must be adhered to as far as possible and must be confirmed with the Department's representative.

Fluorescent luminaires installed against concrete ceilings shall be screwed to the outlet boxes and in addition 2 x 6 mm expansion or other approved type fixing bolts are to be provided. The bolts are to be $\frac{3}{4}$ of the length of the luminaires apart.

Fluorescent luminaires to be mounted on board ceilings shall be secured by means of two 40 mm x No. 10 round head screws and washers. The luminaires shall also be bonded to the circuit conduit by means of locknuts and brass bushes. The fixing screws are to be placed $\frac{3}{4}$ of the length of the fitting apart.

Earth conductors must be drawn in with the circuit wiring and connected to the earthing terminal of all fluorescent luminaires as well as other luminaires exposed to the weather in accordance with the "Wiring Code".

Incandescent luminaires are to be screwed directly to outlet boxes in concrete slabs. Against board ceilings, the luminaires shall be secured to the bracing or joists by means of two 40 mm x No. 8 round head screws.

PS5 CONSTRUCTION PROGRAMME

When drawing up his construction programme, the Contractor shall take into account the time for completion for the corrective maintenance work of each installation as indicated in Clause 5.5.1, as amended, in Part 1 of the Contract Data.

If the programme submitted by the Contractor in terms of Clause 5.6.1 of the General Conditions of Contract has to be revised because the Contractor is falling behind in his programme, he shall submit a revised programme of how he intends to regain lost time to ensure practical completion of corrective maintenance work of each installation, and completion of the works within the periods stipulated in Part 1 of the Contract Data or with a granted extension of time and also to ensure that other contractors have access to the site to start their work on dates as shown in the original programme. Proposals to increase the tempo of work must incorporate positive steps to increase production either by more labour and plant on site or by using the available labour and plant in a more efficient manner.

Instructions by the Engineer to expedite progress shall not be the subject of additional compensation to the Contractor unless the instruction explicitly states that the Contractor is entitled to additional compensation and cites the amount of such compensation or the basis on which it is to be determined.

Failure on the part of the Contractor to submit or to work according to the programme or revised programme shall be sufficient reason for the Engineer to take steps as set out in Clause 9.2 of the General Conditions of Contract as amended in Part 1 of the Contract Data.

The approval by the Engineer of a programme shall have no contractual significance other than the Engineer will be satisfied if work is carried out according to the programme. The said approval shall not limit the right of the Engineer to instruct the Contractor to vary the programme if necessary. The Contractor is also referred to Clause PS 8 and Clause PS 12 when preparing the programme.

NOTE:

For reasons of limited access, it may not be possible to carry out the corrective maintenance work on some of the installations in parallel with corrective maintenance work on other installations.

The Contractor shall organize his work in such a manner as to cause minimum inconvenience to the User Departments personnel and operations.

PS6 SITE FACILITIES AVAILABLE

PS6.1 CAMP SITE AND STORE ROOM

PS6.2 WATER, ELECTRICITY AND SEWERAGE

a) Water supply

The Contractor must make his own arrangement for water supply. Water will be available at specific points not necessarily adjacent to working areas. Water will be available free of charge but wastage will not be tolerated. The Contractor must supply his own standard fittings to couple up at the points where water is available.

The usage of water by the Contractor will be measured. The Contractor shall supply metering devices. In case of water shortages, the Contractor will be responsible to make his own arrangements until such water shortages are resolved and reinstated to the Contractor.

In the event that water is not available on site the Contractor shall supply at his own cost water for testing of wet services and where necessary preventative maintenance.

b) Electrical supply

Electrical supply is available onsite and will be free of charge but wastage will not be tolerated. The Contractor must make his own arrangements for connecting to the electrical supply.

The usage of electricity by the Contractor will be measured. The Contractor shall supply metering devices.

The Contractor will be responsible, at his own cost, for the distribution of electricity for construction and domestic use.

c) Sewerage connection

Refer to subclause PSA 4.2 in connection with toilet requirements. Chemical toilets shall be used.

NOTE:

The employer shall not be held responsible for any losses or inconveniences due to a disruption in the supply of water and or electricity.

PS6.3 PARKING FACILITIES

Parking facilities are available on site.

PS7 SITE FACILITIES REQUIRED FOR THE ENGINEER

N/A

PS7.1 GENERAL

The Engineer and or his representative will use the existing facilities available on site.

The Contractor shall provide onsite, for the duration of the repair phase and for the exclusive use of the Engineer and or his representative the various facilities described hereunder. The duration of the repair phase is stated in Part 1 of the Contract Data. All such facilities shall be provided promptly on the commencement of the Contract and failure on the part of the Contractor to provide any facility required in terms of this contract shall constitute grounds for the Engineer to withhold payment of the Contractor's Preliminary and General items until the facility has been provided or restored, as the case may be.

PS7.2 OFFICE ACCOMMODATION

The Contractor shall provide within his own site establishment facilities, a suitably furnished office or other venue capable of comfortably accommodating a minimum of twelve (12) persons at site meetings. The Engineer shall be allowed free use of such venue for conducting any other meetings concerning the Contract at all reasonable times.

The Contractor shall provide onsite one (1) office for the exclusive use of the Engineer. At the onset of the contract the Engineer will identify the site at which the office is to be provided.

Such office(s) shall comply with and be furnished in accordance with the requirements of subclause 3.2 of SANS 1200 AB. The Contractor shall maintain the office(s) in accordance with the requirements of subclause 5.2 of SANS 1200 AB.

Irrespective of the type of material of which the office is constructed, the Contractor shall ensure that the temperature inside the office is always between 20° C and 24° C.

Such office accommodation shall be provided within the Contractor's site establishment facilities.

PS7.3 CARPORTS

The Contractor shall provide onsite one (1) carport for the exclusive use of the Engineer, in accordance with the requirements of subclause PS 3.3 of the Project Specifications. At the onset of the contract the Engineer will identify the site at which the carport is to be provided.

PS7.4 SITE MEETING VENUE

The Engineer and or his representative will use existing facilities available onsite.

PS7.5 CONTRACT NAMEBOARD

A contract nameboard will not be required.

PS7.6 TELEPHONE FACILITIES

The Contractor shall, in accordance with the requirements of the Project Specifications, provide onsite, the following telephone facilities for the use of the:

Engineer and his Representative:

- a) Telkom telephones
 - (i) Number of separate telephone lines (numbers): One
 - (ii) Number of telephone handsets required: One
- b) Cellular telephones

Number of cellular telephones required for the contract period: One

The average call cost at business rates (over the contract period) shall not exceed R1 500.00 per month.

PS7.7 COMPUTER FACILITIES

The Contractor shall provide computer facilities together with the specified software installed, for the exclusive use of the Engineer and or his representative, in accordance with the requirements of SANS 1200 AB.

PS7.8 TELEFAX FACILITIES

The Contractor shall provide telefax facilities, for the exclusive use of the Engineer and or his representative, in accordance with the requirements of SANS 1200 AB.

PS7.9 ELECTRICITY SUPPLY FOR THE ENGINEER

All electricity supply to the Engineer's office(s) and laboratory (where applicable), whether provided by the Contractor by way of reticulated supply from the Local Authority or by way of onsite generator, shall be regulated by the Contractor to within limits such as to prevent damage occurring to any electrical plant and equipment provided by the Contractor or by the Engineer, as a result of fluctuations in the electrical supply provided.

PS7.10 HOUSING FOR ENGINEER'S REPRESENTATIVE

The Contractor shall provide housing for the Engineer's representative. The housing and the relevant services and local authority rates and charges shall be paid for by the Contractor on the written instruction of the Engineer, from an amount included in section 1200 A of the Bill of Quantities for this purpose.

The Contractor is entitled to a percentage of the value of each payment to the Engineer's housing to cover his expenses in this regard, see payment item PSA 8.6.

PS7.11 CALL CENTRE

A Call Centre has been established by the Employer to log, route and monitor incoming breakdown calls.

The Call Centre is administered centrally and is responsible for the routing of breakdown calls on each installation of the contract. The Call Centre is operational 24 hours per day, 36 days per year.

PS8 REQUIREMENTS FOR ACCOMMODATION OF TRAFFIC

Requirements for the accommodation of traffic shall be in accordance with Clause 8.1 of the General Conditions of Contract. Where road surfaces and other components of roads are required, the Contractor shall plan his work in such a way that existing traffic volumes are accommodated on the same road until work is complete. No service roads shall be constructed for purposes of accommodation of traffic during corrective maintenance.

PS9 OCCUPATIONAL HEALTH AND SAFETY

The Contractor shall be required to comply with the Occupational Health and Safety, Act 85 of 1993, Construction regulations and other related regulations. Non-compliance with the Occupational Health and Safety Act and regulations, in any way whatsoever, will be adequate reasons for suspending the Works.

The proposed type of work, materials to be used and hazards likely to be encountered onsite under this Contract are detailed in the Scope of Work, Pricing Data and Drawings. Refer to the Employer's Health and Safety Specification (SI – Occupational Health and Safety Specification).

The Contractor shall, in terms of the General Conditions of Contract subclause 4.3 and 5.3.1, provide a comprehensive Health and Safety Plan detailing his proposed compliance with the Employer's Health and Safety Specification, for approval by the Employer.

The Contractor shall, at all times, be responsible for full compliance with the approved Health and Safety plan as well as the Construction Regulations and no extension of time will be considered for delays due to noncompliance with the above-mentioned Employer's Health and Safety Specification or the Contractor's Health and Safety Plan.

A payment item is included in the Bill of Quantities to cover the Contractor's cost for compliance with the Occupational Health and Safety Act and the Construction Regulations.

Access to the Works will be given after the Contractor's Health and Safety Plan is approved.

PS10 ADVERSE WEATHER CONDITIONS

Adverse weather conditions shall be managed in terms of clause 2.2 in the Contract Data.

PS 11 FEATURES REQUIRING SPECIAL ATTENTION

N/A

PS11.1 INSTALLATIONS FACILITIES

The installations at all facilities shall be carefully checked for damage and all damages shall be listed and discussed with the Engineer before commencement of the repair and maintenance work. The Contractor shall present copies of all correspondence in this regard for discussion at the following site meeting.

PS11.2 SECURITIES

(a) Restrictions on movement and limited access

The Contractor's personnel, vehicles and equipment will be restricted to areas of construction only. The Contractor shall comply with any requirements that the Engineer may have in this regard and shall take note that for security reasons the access to some areas may be limited.

(b) Prohibition on taking of photographs

Should work fall within a security area, the Contractor's attention is drawn to the Defense Act, Act 44 of 1957), and the Correctional Services Act, Act 111 of 1998, which clearly state that the taking of photographs is prohibited and that even the possession of a camera onsite is prohibited.

(c) Security check on personnel

The Employer may require the Contractor to have his personnel or a certain number of them security-classified, if so, required by any competent authority.

In the event of the Employer or any competent authority requiring the removal of a person or persons from the site for security reasons, the Contractor shall do so forthwith and the Contractor shall thereafter ensure that such person or persons are denied access to the site and or any documents or information relating to the work. In such circumstances the Contractor shall indemnify the Employer and the Engineer and shall hold the Employer and the Engineer harmless against any and all claims of whatever nature arising.

(d) Access cards to security areas

The Contractor must obtain from the Engineer access cards for his security-cleared personnel and employees who work within such an area. The Contractor must comply with any regulations or instructions issued from time to time, concerning the safety of persons and property.

PS11.3 SITES TO BE KEPT CLEAN

During progress of the work and upon completion thereof, the site of the works shall be kept and left in a clean and orderly condition. The Contractor shall store materials and equipment for which he is responsible in an orderly manner, and shall keep the site free from debris and obstructions.

All redundant materials, rubbish and waste arising from the work must be removed from the site at the Contractor's cost and the site and buildings left clean and tidy.

PS11.4 FACILITIES TO OTHER CONTRACTORS

In addition to the requirements of clause 4.8.1 of the General Conditions of Contract, the Contractor must make allowances for other Contractors onsite. This may involve adapting his programme to accommodate the work of other contractors and ensuring access to their sites along prescribed routes over the site under this Contract.

PS11.5 SUBCONTRACTORS

In addition to the requirements of clause 4.4 of the General Conditions of Contract, as amended in Part 1 of the Contract Data, the Contractor shall be responsible for work carried out by subcontractors on his behalf. The Engineer will not liaise directly with such subcontractors. Problems related to payments, programming, workmanship, etc. shall be the responsibility of the Contractor and the subcontractor, and the Engineer will not become involved.

PS11.6 SANS SPECIFICATIONS AND CODES OF PRACTICE

All reference in this document to legislation, regulation, standards, specifications, and codes of practice shall be deemed to be references to the latest issues of such legislation, regulation, standards, specifications and codes of practice.

PS11.7 MATERIALS

Unless otherwise instructed in writing by the Engineer, all proprietary materials are to be used, mixed, applied, fixed, etc. strictly in accordance with the manufacturer's recommendations.

Materials supplied shall be new, unused and SANAS approved.

PS11.8 BORROW PITS

There will be no designated borrow pits. The Contractor shall utilize the material onsite or import material from commercial sources.

PS11.9 PROTECTION OF FURNITURE AND EQUIPMENT

Most of the work to be done inside buildings are occupied and will be carried out in places where there is furniture and other equipment.

The Contractor shall be responsible for moving the furniture and equipment in order to provide working space for his personnel. The programme shall be drawn up in such a way as to keep the movement of furniture and equipment to the very minimum and the Contractor shall be solely responsible for any damage to furniture or equipment.

PS11.10 TESTING AND QUALITY CONTROL

The Contractor shall engage the services of an approved independent laboratory or other institution as applicable for quality testing, to ensure that his work complies with the specifications.

No separate payment will be made for such testing, the cost of which will be deemed to be included in the Contractor's tendered rates for the items of work that require testing in accordance with the Specifications.

The onus to produce work that conforms in quality and accuracy of detail to the requirements of the Specifications and Drawings rests with the Contractor, and the Contractor shall, at his own expense, institute a Quality Control System and provide experienced engineers, foremen, surveyors, materials technicians, other technicians and technical staff, together with all transport, instruments and other equipment to ensure adequate supervision and positive control of the works at all times.

The cost of supervision and process control, including testing carried out by the Contractor, will be deemed to be included in the tendered rates for the related items of work.

The Contractor's attention is drawn to the provisions of the various specifications regarding the minimum frequency of testing carried out. The Contractor shall, at his own discretion, increase this frequency where necessary to ensure adequate control.

On completion and submission of every part of the work to the Engineer for examination, the Contractor shall furnish the Engineer with the results of the relevant test to indicate compliance with the specifications.

PS12 CERTIFICATES OF PAYMENTS

The statement to be submitted by the Contractor in terms of clause 6.10 of the General Conditions of Contract shall be prepared in accordance with the standard payment certificate prescribed by the Engineer and shall comprise at least two sets of A4 size paper copies.

All costs for the preparation and submission of the statements shall be borne by the Contractor.

PS13 CONSTRUCTION IN RESTRICTED AREAS

Working space in certain areas may be restricted. The construction method used in these restricted areas largely depends on the Contractor's plant. However, the Contractor must note that measurement and payment will be according to the specified cross-sections and dimensions irrespective of the method used, and that the rates and prices submitted will be deemed to include full compensation for difficulties encountered while working in restricted areas. No extra payment nor any claim for payment due to these difficulties will be considered.

PS14 DRAWINGS

The Contractor will, in terms of clause 5.9.1 of the General Conditions of Contract, be provided free of charge with three paper prints of each drawing issued to him.

All information in the possession of the Contractor that is required by the Engineer or his Representative to complete "as-built" drawings must be submitted to the Engineer or his Representative before a Certificate of Completion will be issued.

Only figured dimensions shall be used and drawings shall not be scaled unless required by the Engineer. The Engineer will provide the dimensions that may have been omitted from the drawings.

PS15 LEGISLATION

(a) Changes in legislation

Reference, in the General Conditions of Contract and in any other standards document forming part of this Contract, to legislation which has been amended or superseded by other legislation since the most recent publication of such standards document, shall be deemed to be a reference to the amended or replacement legislation.

Such amended or replaced legislation shall be applicable during the Contract period provided the amendment or replacement occurred more than 28 days before the closing date for bids in terms of clause 6.8.4 of the General Conditions of Contract.

(b) The Occupational Health and Safety Act

The Contractor shall be required to comply with the Occupational Health and Safety Act, Act 85 of 1993, Construction Regulations and other related regulations.

PS16 INSURANCE AMOUNTS

The amounts for which the Contractor must insure the Works in terms of clause 8.6 of Part 1 of the Contract Data are stated in the Agreement.

PS17 TIMES FOR COMPLETION

Times for completion of repair work to installations as well as the maintenance down time for different types of breakdowns are given under clause 5.5.1 of the Contract Data. The time for completion of the works will start on the date of access to an installation.

PS18 PRACTICAL COMPLETION

- a) The Contractor shall be entitled in terms of clause 5.14.1 of the General Conditions of Contract to receive a Certificate of Practical Completion when the Works to be executed under the Contract have been completed to the stage where:
- (i) All materials which are required to be replaced have been replaced and installed to the satisfaction of the Engineer; and
 - (ii) All corrective maintenance work has been completed
 - (iii) All repair work has been completed.
- b) The Engineer shall issue to the Contractor and the Employer a Certificate of Practical Completion in terms of clause 5.14.4 of the General Conditions of Contract except where a thirty (30) day commissioning period, as stated in paragraph (c) below is applicable.
- c) Where indicated at the end of this paragraph, the issuing of a Certificate of Practical Completion for a certain installation will be followed by a thirty (30) day commissioning period. The tasks of the Contractor during the thirty (30) day commissioning period are described in Additional Specifications SC: General Decommissioning, Testing and Commissioning Procedures. After the completion of the thirty (30) day commissioning period to the satisfaction of the Engineer, a Certificate of Completion will be issued to the Contractor as described in clause 5.14.1 of the General Conditions of Contract.

PS19 PENALTIES

Penalties in terms of clause 5.13.1 of the General Conditions of Contract for late completion of repair work to different installations are given under clause 5.13.1 of Part 1 of the Contract Data. Payment reductions for exceeding the maintenance down time for different types of breakdowns are given under the applicable pay items in the Bill of Quantities for Additional Specifications SA: General Maintenance. Penalties will run concurrently where applicable.

(a) Penalties for failing to meet undertakings and or conditions pertaining to Targeted Procurement for the award of points

If the bid adjudication points awarded to the Contractor are found to be based on incorrect or false information or the condition pertaining to the award of points are not met and the Contractor fails to substantiate that such failure is due to a reason acceptable to the Employer as being beyond the Contractor's control, the Contractor shall be liable for and pay to the Employer, an amount determined in accordance with clause 2 and subject to clause 1 both of the

Works Information, Part 2 of the Conditions of Bid.

(b) Payment reduction for non-performance

If the Contractor shall fail to rectify an emergency maintenance breakdown, an ordinary maintenance breakdown and damage breakdown within the time as stipulated in Additional Specifications SA: General Maintenance, the Contractor shall be liable to the Employer for the sum/sums stated in the Bill of Quantities.

For Additional Specifications SA: General Maintenance, as payment reduction for every hour/day downtime counting from the hour/day the breakdown was reported to the Contractor until the day it was repaired. These payment reductions will be cumulative and will run concurrently.

Where indicated above that the money will be recovered from the Contractor by means of payment reductions, fixed negative amounts in the column of the Bill of Quantities will be used to reduce payments due to the Contractor.

(c) Application of penalties to be accumulative

The imposition of such payment reductions shall not relieve the Contractor from his obligation to complete the Works or from any of his obligations and liabilities under the Contract.

PS20 NON-WORKING DAYS AND HOURS

Whenever any special non-working days stated in clause 1.1.1.12 and clause 5.8 of Part 1 of the Contract Data falls within the days allowed or stipulated in the Contract in terms of clause 1.1.1.12 of Part 1 of the Contract Data, such special non-working days shall also be excluded from the calculation of the number of working days concerned.

The Contractor shall not work on any statutory public holidays or on any public holidays declared by the Government to be statutory non-working days, except for work related to the repair of fatal and emergency breakdown which influences the functionality of any of the installations.

Working hours might be limited and the Contractor shall work in close cooperation with the User Department and Engineer in this regard. Working hours for the different installations are indicated at the end of this clause where applicable.

The Engineer shall be entitled at any time during this Contract, to vary the normal working hours specified in the Bid documents, including increasing or decreasing the total number of hours per day during which the Contractor may execute the Works or specific portion thereof.

If any variation by the of the normal working hours specified in the Bid documents should result in an increase or a decrease in the total number of hours per week during which the Contractor is permitted to execute the Works or any particular portions of the Works, then the time allowed in the Contract for the Completion of the respective part of the Works to which the varied normal working hours apply shall be adjusted proportionately in relation to:

- (a) The remaining time allowed for completion of the specific part or parts of the Works; and
- (b) The extent of the variation in the total normal working hours per week.



Tender no: NST21/042

B: AMENDMENTS TO THE STANDARD SPECIFICATIONS:

N/A

Tender no: **NST21/042**

C3.3 PARTICULAR SPECIFICATIONS:

TECHNICAL SPECIFICATION

HE EXTERIOR LIGHTING SYSTEMS

CONTENTS

- HE 01 SCOPE
- HE 02 STANDARD SPECIFICATIONS, REGULATIONS, CODES AND ADDITIONAL SPECIFICATIONS
- HE 03 OPERATING AND MAINTENANCE MANUALS
- HE 04 TEST AND INSPECTION FOLLOWING COMPLETION OF REPAIR WORK
- HE 05 LOGGING AND RECORDING PROCEDURES
- HE 06 MAINTENANCE TOOLS AND SPARES
- HE 07 QUALITY ASSURANCE SYSTEM
- HE 08 RE-COMMISSIONING OF INSTALLATION
- HE 09 REPAIR WORK
- HE 10 TECHNICAL DETAILS

HE 01 SCOPE

HE 01.01 This specification comprises all aspects regarding the maintenance and servicing of exterior lighting systems. Exterior systems comprise:

- (i) Area lighting.
- (ii) Security lighting along perimeter fence.
- (iii) Streetlighting.

HE 01.02 This specification shall form an integral part of the maintenance and servicing contract document and shall be read in conjunction with portion 3, the Additional Specifications included with this document.

HE 02 STANDARD SPECIFICATIONS, REGULATIONS AND CODES

HE 02.01 The latest edition, including all amendments up to date of tender of the following specifications, publication and codes of practice shall be read in conjunction with this specification and shall be deemed to form part thereof.

HE 02.02 SANS specifications

SANS 10400	Application of the National Building Regulations
SANS 10142	Code of practice for the wiring of premises
SANS 10225	Lighting masts
SANS 1277	Streetlighting luminaires
SANS 1088	Luminaire entries and spigots
SANS 1749	Glass-reinforced Polyester poles
SANS 1250	Capacitors for use with fluorescent and other discharge lamp ballasts
SANS 1279	Floodlighting luminaires
SANS 1777	Photoelectric control units for lighting
SANS 763	Galvanised zinc coatings
SANS 1266	Ballasts for discharge lamps
ARP 035	Guidelines for the installation and maintenance of Streetlighting

HE 02.03 Department of Public Works and Infrastructure Specification, PW 343

All work shall be done in accordance with the Department of Public Works and Infrastructure specifications.

HE 02.04 Occupational Health and Safety Act, 1993

The contractor shall be required to comply with the Occupational Health and Safety Act, 85 of 1993, Construction regulations. Non compliance with the Act and regulations, in any way whatsoever, will be adequate reason for suspending the works.

HE 02.05 Manufacturer's specifications and installation instructions

N/A

HE 02.06 Additional requirements

Equipment and material installed shall be new and unused.

Luminaires, control gear, isolators and power outlets shall bear the SANS, IEC, ISO or DEKRA mark of quality. The contractor shall ensure that all safety regulations and measures are applied and enforced during repair and maintenance on cabling, wiring, distribution boards, luminaires, lighting poles and high masts.

HE 03 OPERATING AND MAINTENANCE MANUALS

HE 03.01

The Contractor shall be responsible for the compilation of a complete set of “as-built” drawings, Inventory list and Operating and Maintenance manuals. The contractor shall be responsible for the verification of the correctness of all such information.

This shall be done in accordance with the Additional Specification SB – Operating and Maintenance manuals.

The Contractor shall allow for the required tools and equipment to establish the correct “as-built” information.

All information shall be recorded and reproduced in electronic format as well as supplying the Engineer with three sets of hard copies.

HE 03.02

Over and above what is specified in the Additional Specification – SB Operating and Maintenance manuals, the Operating and Maintenance manual to be compiled shall be structured and shall at least include the following:

1. Description of the installation

- 1.1. Complete system description of the low voltage reticulation installation. This shall be done for each low voltage installation individually. The system description shall contain detailed information regarding the system configuration (system input, cabling system and output) the installed components (circuit breaker ratings, meter configurations) as well as the earthing and lightning protection arrangement.
- 1.2. Complete details of low voltage overhead reticulation installation, low voltage underground reticulation installation, low voltage panels, low voltage switchboards and low voltage distribution boards.

2. Commissioning data

- 2.1. Complete commissioning, test and inspection data for low voltage installation.

This shall be done for each low voltage installation individually. The commissioning data will comprise start-up and running current measurements at each termination point, e.g. panel, switchboard and distribution board.

3. Operating data

Safety precautions to be implemented.

4. Maintenance instructions

- 4.1. Equipment details, including manufacturers brochure, pamphlets, order number, list of components and equipment specifications.
- 4.2. Hoisting equipment specifications, where applicable.
- 4.3. Schedule of serviceable components per low voltage installation.
- 4.4. Troubleshooting diagram.
- 4.5. Procedure to replace low voltage switchboard.
- 4.6. Procedure to verify operation of circuit breaker.
- 4.7. Procedure to replace wooden poles for overhead reticulation.
- 4.8. Procedure to replace isolator for overhead reticulation.
- 4.9. Procedure to tension overhead conductors by adjustment of anchors.

HE 04 TESTS AND INSPECTIONS FOLLOWING COMPLETION OF REPAIR WORK

- HE 04.01** All systems are to be rechecked by the Contractor prior to commissioning. Copies of all checks and tests of each installation shall be presented to the Engineer for approval before re-commissioning takes place.
- HE 04.02** 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:
- HE 04.02.01 Continuity of ring circuits
 - HE 04.02.02 Continuity of protective conductors, including main and supplementary equipotential bonding
 - HE 04.02.03 Earth electrode resistance
 - HE 04.02.04 Insulation resistance
 - HE 04.02.05 Polarity of points of consumption
 - HE 04.02.06 Earth loop impedance test: at main or local switch
 - HE 04.02.07 Operation of earth leakage test-button
 - HE 04.02.08 Voltage at distribution board with no load for each phase to neutral
 - HE 04.02.09 Current at distribution board with load (as calculated for full load) for each phase
 - HE 04.02.10 Illumination levels in lux
- HE 04.03** The Contractor is responsible for such tests. He shall give at least seventy-two (72) hours' notice to the Engineer prior to the test date.

HE 05 LOGGING AND RECORDING PROCEDURES

- HE 05.01** The Contractor shall, as part of this contract, institute a Recording system as part of his Maintenance Control Plan as defined in the Additional Specification SA – General Maintenance. This shall consist of a Record Book which shall be utilized to log and record all faults, system checks, breakdowns, maintenance visits, inspections, etc.
- HE 05.02** The log book shall be stored in a safe place and shall only be utilized by the Contractor and the Engineer. A copy of the entries and recordings into this log book shall be submitted by the Contractor together with his report to the Engineer.
- This logbook shall be structured to at least include the following:
- HE 05.02.01 Annual inspection and Testing of all systems
 - HE 05.02.02 Bi-Annual lamp inspection and maintenance actions
 - HE 05.02.03 Annual earthing test report
 - HE 05.02.04 Annual inspection and Testing of distribution boards
- a) Service records.
 - b) Inspection and maintenance actions.
 - c) Breakdown reports.
 - d) Inspection and test comments reports.
 - e) Registered person's comments.

HE 06 MAINTENANCE TOOLS AND SPARES

- HE 06.01** On commencement of the Repair and Maintenance contract, the Contractor shall supply and deliver certain Tools and Spares to the User Department. These tools and spares shall be the property of the Department of Public Works and Infrastructure. Any deficiencies or short fall or damaged Tools and Spares during the contract shall be replaced with new tool or spare.
- HE 06.02** The Tools and Spares shall be kept safe in a lockable store room on site. The Contractor shall provide his own lock for the designated store room. The inventory of the Tools and Spares shall be verified on a monthly basis. Any short fall shall be replaced by the Contractor as part of his responsibility under this contract.
- HE 06.03** Tools and Spares shall at least include the following:
N/A
- HE 06.04** Tools and Spares: Measurement and Payment

	<u>Item</u>	<u>Unit</u>
HE 06.04.01	<u>Supply of Tools and Spares</u>	No
	The unit of measurement shall be the number of Tools and Spares supplied.	
	The tendered rate shall include full compensation for the supply and delivery of the Tools and Spares as specified.	

HE 07 QUALITY ASSURANCE SYSTEM

- HE 07.01** Following formal approval of his Quality Assurance (QA) system the Engineer, the Contractor shall implement the approved QA system.
- HE 07.02** Records of this QA system shall be kept throughout the duration of the contract and shall be submitted to the Engineer as required by the Department.

HE 08 RECOMMISSIONING OF INSTALLATION

- HE 08.01** On practical completion of the repair work, the Contractor shall re-check and put all systems into operation.
- HE 08.02** All commissioning shall be performed by the Contractor, to the satisfaction of the Engineer. The Contractor shall confirm in writing that all systems have been repaired according to specification and are fully operational.
- HE 08.03** All installations shall be energized for a minimum continuous period of ninety-six (96) hours immediately prior to the Engineer's Practical Completion inspection to verify lamp stability and reliability of power reticulation.

HE 09 REPAIR WORK TO LIGHTING INSTALLATIONS

HE 09.01 GENERAL

The various lighting systems shall be repaired during the first phase of the Maintenance contract.

The scope of the repair work shall include, but shall not be limited to the activities listed below.

- i) Corrective maintenance.
- ii) Breakdown maintenance.

The Contractor shall record the repair actions in tubular format, before the Contractor's responsibility for maintenance commences.

Repair work shall be executed within the approved period for repairs.

Strict control of the repair work undertaken by the Contractor relative to the work items and quantities included in the Schedules, i.e. actual scope of work to be determined by the Engineer and confirmed to the Contractor by Works Instructions. The Contractor must sign the Work Instruction.

All variations to the Contract must be made in writing on the Site Instructions Book and confirmed by variation orders. The Contractor must sign the Work Instruction.

A qualified electrician must be appointed to do repair work on Installation in accordance with the latest codes of practices and shall be read in conjunction with this specification and shall be deemed to form part thereof.

New equipment and material shall be supplied with a written guarantee confirming a defects liability period of 12 months from date of practical completion. These guarantees shall be furnished in favour of the Department of Public Works and Infrastructure.

HE 09.01.01.00 SCOPE OF WORK: EXCAVATION

WIDTH AND DEPTH

The width classification shall be in accordance with the approved dimensions.

The depth classification in accordance with the total depth of the trench and not with the depth range in which the material is situated before excavation. The depth of excavation shall be measured to the underside of the bedding.

HE 09.01.01.01 EXCAVATION: SOFT MATERIAL

All material not classified as hard material shall be classified as soft material.

Notwithstanding the above classification, all material excavated from previously constructed fills, subgrades and subbases shall be classified as soft material.

HE 09.01.01.02 EXCAVATION: HARD MATERIAL

Material which cannot be excavated except by drilling and blasting or with the use of pneumatic or excavation breakers, and boulders exceeding 0,10 m³ shall be classified as hard material.

Where more than 40 % of any material (by volume) consists of boulders each exceeding 0,10 m³ in size, the material shall be classified as hard material.

HE 09.01.01.03 EXCAVATION BY HAND

The Engineer shall approve, in writing, excavation by hand where the use of conventional excavating equipment is either impractical or likely to cause damage to services, trees or property.

HE 09.01.01.04 EXCAVATION: SURPLUS MATERIAL

Where excavated material does not comply with the requirements for backfilling material as specified or is surplus to backfilling requirements, such excavated material shall be removed from the site and disposed of.

Material suitable for use in the works, however, shall be used as prescribed.

HE 09.01.01.05 EXCAVATION: IMPORTED BACKFILL MATERIAL

The Engineer shall approve, in writing, imported backfill material.

HE 09.01.01.06 REPAIR WORK: REPAIR DISTRIBUTION BOARD

Replace damaged or missing faceplates, doors, mounting frames, handles, thumb catches, etc.

HE 09.01.02.01 SCOPE OF WORK: SERVICE DISTRIBUTION BOARD (DB)

01. Inspect and clean distribution board for exterior lights.
02. Supply 15 mm x 15 mm, 200 DPI clear colour image of distribution board, soft copy and hard copy, showing: a) Outside, showing whole DB b) Inside, with door opened, showing DB cover, c) Inside, with cover removed showing wiring.
03. Treat the enclosure for moisture ingress and corrosion.
04. Check for rigidity and fastening of equipment trays, panels, doors and handling devices.
05. Report on damaged or missing faceplates, doors, mounting frames, handles, thumb catches, etc.
06. Check and fasten wiring and cable terminations.
07. Re-arrange wiring and equipment to give a neat installation.
08. Trace outgoing circuits, for exterior lights, and record results (Exterior lights circuit) in CAD drawing and in tabular format, soft copy and hard copy.

HE 09.01.02.02 SCOPE OF WORK: SERVICE LIGHT SWITCH

All light switches shall have steel faceplates with permanent glued Traffolite labels or similar quality

01. Remove light switch faceplate cover and light switch.
02. Check and tighten connection.
03. Replace missing light switch screws and light switch cover screws.
04. Check light switch for operation.
05. Inspect and clean light switch.
06. Treat enclosure for moisture ingress and corrosion.
07. Test and record earth continuity measurement.
08. Report on damaged or missing faceplates, screws, etc.
09. Re-arrange wiring and equipment to give a neat installation.

HE 09.01.02.03 SCOPE OF WORK: SERVICE PHOTOELECTRIC SWITCH

01. Wash translucent body with detergent.
02. Cover photocell and verify operation.
03. Check and tighten screws, bolts and nuts.

HE 09.01.02.20

SCOPE OF WORK: SERVICE EXTERIOR LUMINAIRE MOUNTING SUPPORT

01. Clean luminaire mounting support with a soft cloth.
02. Treat luminaire mounting support for corrosion.
03. Report on damaged or missing bracket, cover, gland plate assembly, screws, bolts and nuts, etc.
04. Check and fasten wiring and cable terminations.
05. Re-align luminaire mounting support to give a neat installation.
06. Record exterior lights mounting support and provide schedule.

HE 09.01.02.30

SCOPE OF WORK: SERVICE EXTERIOR LIGHT LUMINAIRE

01. Wash luminaire body, lens and reflector with detergent.
02. Check and tighten stirrup screws, bolts and nuts.
03. Treat the exterior lights luminaire enclosure for moisture ingress and corrosion.
04. Check and replace gasket between the bowl and the exterior lights luminaire body.
05. Report and supply detailed quotation on damaged or missing exterior light luminaire, luminaire diffuser, pole cover, gland plate assembly, locknuts etc.
06. Check and fasten wiring and cable terminations.
07. Re-align exterior light luminaire to give a neat installation.
08. Record and supply CAD drawing and schedule for exterior light luminaires, mounting support (poles and brackets) and low voltage cables and control circuit.

HE 09.02.01.01

REPLACE: DISTRIBUTION BOARD

1. Order new, unused and SABS or SANAS approved distribution board from supplier.
2. Deliver new distribution board to site.
3. Switch off electrical supply and alternative electrical supply to the distribution board from source (Main DB or Supply Authority supply, and UPS, Generator, etc.).
4. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
5. Disconnect equipment in distribution board, low voltage cable, conduit, circuit breaker, etc.
6. Remove equipment in existing distribution board.
7. Chase around existing distribution board, care should be taken not to disturb wall while chasing, to provide enough space for the removal of existing distribution board and installation of new distribution board.
8. Remove existing distribution board.
9. Install new distribution board.
10. Damages, chases, holes, etc, in brickwork, concrete and other finishes resulting from repair, replacement and service work shall be made good to match the existing and shall include plaster, concrete work, brickwork, paint, tiling, ceilings and all required materials for the remedial action.
11. Install equipment in new distribution board, low voltage cable, conduit, circuit breaker, etc.
12. Connect equipment in new distribution board, low voltage cable, circuit breaker, etc.
13. Trace outgoing circuits in distribution board and provide single line diagram and schedule of equipment.
14. Permanently glue distribution board door and faceplate with an engraved Troffotile label.
15. Commission distribution board.

HE 09.02.01.02 REPLACE CIRCUIT BREAKER

1. Order new, unused and SABS or SANAS approved circuit breaker from supplier.
2. Deliver new circuit breaker to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Disconnect existing circuit breaker in distribution board.
5. Remove existing circuit breaker in distribution board.
6. Install new circuit breaker in distribution board.
7. Connect new circuit breaker in distribution board.
8. Trace outgoing circuit in distribution board and provide single line diagram and schedule of equipment for the circuit.
9. Label low voltage cable/conductors.
10. Commission circuit breaker.

HE 09.02.01.03 REPLACE: CONTACTOR

1. Order new, unused and SABS or SANAS approved contactor from supplier.
2. Deliver new contactor to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Disconnect existing contactor in distribution board.
5. Remove existing contactor in distribution board.
6. Install new contactor in distribution board.
7. Connect new contactor in distribution board.
8. Trace outgoing circuit in distribution board and provide single line diagram and schedule of equipment for the circuit.
9. Label low voltage cable/conductors.
10. Commission contactor.

HE 09.02.01.04 REPLACE: LIGHT SWITCH

1. Order new, unused and SABS or SANAS approved light switch with steel faceplate from supplier.
2. Deliver new light switch to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Disconnect existing light switch from wall box.
5. Remove existing light switch from wall box.
6. Install new light switch in wall box.
7. Connect new light switch in wall box.
8. Trace outgoing circuit in distribution board and provide single line diagram and schedule of equipment for the circuit.
9. Label light switch conductors.
10. Permanently glue light switch steel faceplate with an engraved Troffotile label.
11. Commission light switch.

HE 09.02.01.05 REPLACE: PHOTOELECTRIC SWITCH

1. Order new, unused and SABS or SANAS approved photoelectric switch from supplier.
2. Deliver new photoelectric switch to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Disconnect existing photoelectric switch.
5. Remove existing photoelectric switch.
6. Install new photoelectric switch.
7. Connect new photoelectric switch.
8. Trace outgoing circuit in distribution board and provide single line diagram and schedule of equipment for the circuit.
9. Label photoelectric switch conductors.
10. Permanently glue photoelectric switch with an engraved Troffotile label.
11. Commission photoelectric switch.

HE 09.02.01.10

REPLACE LOW VOLTAGE CABLE

1. Order new, unused and SABS or SANAS approved low voltage cable from supplier.
2. Deliver new low voltage cable to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Disconnect existing low voltage.
5. Supply cable route for approval by the Engineer.

Hold Point: Fax or email request to the Engineer within 72 hours

6. Excavate for low voltage cable installation, (300 mm wide x 800 mm depth), remove sharp objects, base and sides to be straight and level.

Hold Point (After excavation): Fax or email request to the Engineer within 72 hours.

7. Remove existing low voltage cable from trench.
8. Bedding (sandy clay or loam soil, thermal resistivity not exceeding 1,5°C m/W), 75 mm layer at bottom of trench and top of low voltage cable.

Hold Point (Witness bedding): Fax or email request to the Engineer within 72 hours.

9. Install new low voltage cable.
10. Backfill and compaction, backfill shall be compacted in layers of 150mm.

Hold Point (Witness backfill and compaction): Fax or email request to the Engineer within 72 hours.

11. Supply and install plastic warning tape.

Hold Point (Witness plastic warning tape installation): Fax or email request to the Engineer within 72 hours.

12. Connect new low voltage cable.
13. Label low voltage cable and conductors.
14. Commission low voltage cable installation.

HE 09.02.01.20 REPLACE: MOUNTING SUPPORT

1. Order new, unused and SABS or SANAS approved mounting support from supplier.
2. Deliver new mounting support to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Disconnect existing exterior light luminaire from mounting support.
5. Remove existing exterior light luminaire from mounting support.
6. Install new mounting support.
7. Connect existing exterior light luminaire.
8. Label exterior light luminaire.
9. Commission exterior light luminaire.

HE 09.02.01.21 REPLACE: POLE COVER

1. Order new, unused and SABS or SANAS approved pole cover from supplier.
2. Deliver new pole cover to site.
3. Remove damaged pole cover.
4. Install new pole cover.

HE 09.02.01.22 REPLACE: POLE BTACKET

1. Order new, unused and SABS or SANAS approved gland plate assembly from supplier.
2. Deliver new gland plate assembly to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Disconnect low voltage cable, circuit breaker and conductors, etc. from existing gland plate assembly.
5. Remove existing gland plate assembly from mounting support.
6. Install new gland plate assembly to mounting support.
7. Connect low voltage cable, circuit breaker and conductors, etc. to gland plate assembly.
8. Trace outgoing circuit in distribution board and provide single line diagram and schedule of equipment for the circuit.
9. Label low voltage cable and conductors.
10. Commission exterior light luminaire.

HE 09.02.01.30 REPLACE: EXTERIOR LIGHT LUMINAIRE

1. Order new, unused and SABS or SANAS approved exterior light luminaire from supplier.
2. Deliver new exterior light luminaire to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Disconnect existing exterior light luminaire from mounting support.
5. Remove existing exterior light luminaire from mounting support.
6. Install new exterior light luminaire.
7. Connect new exterior light luminaire.
8. Trace outgoing circuit in distribution board and provide single line diagram and schedule of equipment for the circuit.
9. Label exterior light luminaire conductors.
10. Label exterior light luminaire.
11. Commission exterior light luminaire.

HE 09.02.01.31 REPLACE: EXTERIOR LIGHT LUMINAIRE DIFFUSER

1. Order new, unused and SABS or SANAS approved exterior light luminaire diffuser from supplier.
2. Deliver new exterior light luminaire diffuser to site.
3. Switch off electrical supply to exterior light luminaire.
4. Remove existing exterior light luminaire diffuser.
5. Install new exterior light luminaire diffuser.
6. Switch on electrical supply to exterior light luminaire.
7. Test for operation.

HE 09.02.01.32 REPLACE: EXTERIOR LIGHT LUMINAIRE LAMP

1. Order new, unused and SABS or SANAS approved exterior light luminaire lamp from supplier.
2. Deliver new exterior light luminaire lamp to site.
3. Switch off electrical supply to exterior light luminaire.
4. Remove existing exterior light luminaire lamp.
5. Install new exterior light luminaire lamp.
6. Switch on electrical supply to exterior light luminaire.
7. Test for operation.

HE 09.02.01.32 REPLACE: EXTERIOR LIGHT LUMINAIRE LAMP

1. Order new, unused and SABS or SANAS approved exterior light luminaire lamp from supplier.
2. Deliver new exterior light luminaire lamp to site.
3. Switch off electrical supply to exterior light luminaire.
4. Remove existing exterior light luminaire lamp.
5. Install new exterior light luminaire lamp.
6. Switch on electrical supply to exterior light luminaire.
7. Test for operation.

HE 09.02.01.33 REPLACE: WIRING

1. Order new, unused and SABS or SANAS approved wiring from supplier.
2. Deliver new wiring to site.
3. Switch off electrical supply to equipment.
4. Remove existing wiring.
5. Install new wiring.
6. Switch on electrical supply to equipment.
7. Commission wiring.

HE 09.02.02.00 SUPPLY AND INSTALL

HE 09.02.02.01 SUPPLY AND INSTALL: DISTYRIBUTION BOARD

1. Order new, unused and SABS or SANAS approved distribution board from supplier.
2. Deliver new distribution board to site.
3. Chase around wall/brickwork for new distribution board, care should be taken not to disturb wall while chasing, to provide enough space for the installation of new distribution board.
4. Install new distribution board.
5. Damages, chases, holes, etc, in brickwork, concrete and other finishes resulting from repair, replacement and service work shall be made good to match the existing and shall include plaster, concrete work, brickwork, paint, tiling, ceilings and all required materials for the remedial action.
6. Install equipment in new distribution board, low voltage cable, conduit, circuit breaker, etc.
7. Reconnect equipment in new distribution board, low voltage cable, circuit breaker, etc.
8. Trace outgoing circuits in distribution board and provide single line diagram and schedule of equipment.
9. Permanently glue distribution board faceplate with an engraved Troffotile label.
10. Commission distribution board.

HE 09.02.02.02 SUPPLY AND INSTALL: CIRCUIT BREAKER

1. Order new, unused and SABS or SANAS approved circuit breaker from supplier.
2. Deliver new circuit breaker to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Install new circuit breaker in distribution board.
5. Connect new circuit breaker in distribution board.
6. Trace outgoing circuit in distribution board and provide single line diagram and schedule of equipment for the circuit.
7. Label low voltage cable/conductors.
8. Commission circuit breaker.

HE 09.02.02.03 SUPPLY AND INSTALL: CONTACTOR

1. Order new, unused and SABS or SANAS approved contactor from supplier.
2. Deliver new contactor to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Install new contactor in distribution board.
5. Connect new contactor in distribution board.
6. Trace outgoing circuit in distribution board and provide single line diagram and schedule of equipment for the circuit.
7. Label low voltage cable/conductors.
8. Commission contactor.

HE 09.02.02.04 SUPPLY AND INSTALL: LIGHT SWITCH

1. Order new, unused and SABS or SANAS approved light switch with steel faceplate from supplier.
2. Deliver new light switch to site.
3. Switch off main switch (supply authority and alternative electrical supply) in distribution board.
4. Install new light switch in wall box.
5. Connect new light switch in wall box.
6. Trace outgoing circuit in distribution board and provide single line diagram and schedule of equipment for the circuit.
7. Label light switch conductors.
8. Permanently glue light switch steel faceplate with an engraved Troffotile label.
9. Commission light switch.

HE 09.02.02.10 SUPPLY AND DELIVER: LOW VOLTAGE CABLE

1. Order new, unused and SABS or SANAS approved low voltage cable from supplier.
2. Deliver low voltage cable to site.
3. Store low voltage cable on site.
4. Transport low voltage cable to installation site.

HE 09.02.02.11 LAY: LOW VOLTAGE CABLE

1. Supply cable route for approval by the Engineer.

Hold Point: Fax or email request to the Engineer within 72 hours

2. Excavate for low voltage cable installation, (300 mm wide x 800 mm depth), remove sharp objects, base and sides to be straight and level.

Hold Point (After excavation): Fax or email request to the Engineer within 72 hours.

3. Bedding (sandy clay or loam soil, thermal resistivity not exceeding 1,5°C m/W), 75 mm layer at bottom of trench and top of low voltage cable.

Hold Point (Witness bedding): Fax or email request to the Engineer within 72 hours.

4. Install new low voltage cable.

5. Backfill and compaction, backfill shall be compacted in layers of 150mm.

Hold Point (Witness backfill and compaction): Fax or email request to the Engineer within 72 hours.

6. Supply and install plastic warning tape.

Hold Point (Witness plastic warning tape installation): Fax or email request to the Engineer within 72 hours.

HE 09.02.02.12 TERMINATE: LOW VOLTAGE CABLE

1. Order new, unused and SABS or SANAS approved low voltage cable lugs from supplier.
2. Deliver low voltage cable lugs to site.
3. Store low voltage cable lugs on site.
4. Transport low voltage cable termination to installation site.
5. Prepare low voltage cable for termination according to manufacturer's instruction.
6. Fit cable termination according to manufacturer's instruction.
7. Connect low voltage cable to equipment.
8. Commission low voltage cable installation.

HE 09.02.02.13 JOIN: LOW VOLTAGE CABLE

1. Order new, unused and SABS or SANAS approved low voltage cable join from supplier.
2. Deliver low voltage cable join to site.
3. Store low voltage cable join on site.
4. Transport low voltage cable termination to installation site.
5. Prepare low voltage joining site, including excavation and trench.
6. Prepare low voltage cable for joining according to manufacturer's instruction.
7. Install cable join according to manufacturer's instruction.
8. Make good low voltage cable site.
9. Commission low voltage cable installation.

HE 09.02.02.15 SUPPLY AND DELIVER: EARTH CONTINUITY CONDUCTOR

1. Order new, unused and SABS or SANAS approved earth continuity conductor from supplier.
2. Deliver earth continuity conductor to site.
3. Store earth continuity conductor on site.
4. Transport earth continuity conductor to installation site.

HE 09.02.02.16 LAY: EARTH CONTINUITY CONDUCTOR

1. Supply cable route for approval by the Engineer.

Hold Point: Fax or email request to the Engineer within 72 hours

2. Excavate for low voltage cable installation, (300 mm wide x 800 mm depth), remove sharp objects, base and sides to be straight and level.

Hold Point (After excavation): Fax or email request to the Engineer within 72 hours.

3. Bedding (sandy clay or loam soil, thermal resistivity not exceeding 1,5°C m/W), 75 mm layer at bottom of trench and top of low voltage cable.

Hold Point (Witness bedding): Fax or email request to the Engineer within 72 hours.

4. Install new earth continuity conductor.

5. Backfill and compaction, backfill shall be compacted in layers of 150mm.

Hold Point (Witness backfill and compaction): Fax or email request to the Engineer within 72 hours.

6. Supply and install plastic warning tape.

Hold Point (Witness plastic warning tape installation): Fax or email request to the Engineer within 72 hours.

HE 09.02.02.17 TERMINATE: EARTH CONTINUITY CONDUCTOR

1. Order new, unused and SABS or SANAS approved earth continuity conductor lugs from supplier.
2. Deliver earth continuity conductor lugs to site.
3. Store earth continuity conductor lugs on site.
4. Transport earth continuity conductor lugs to installation site.
5. Prepare earth continuity conductor for termination according to manufacturer's instruction.
6. Fit earth continuity conductor lugs according to manufacturer's instruction.
7. Connect earth continuity conductor to equipment.
8. Commission earth continuity conductor installation.

HE 09.02.02.18 JOIN: EARTH CONTINUITY CONDUCTOR

1. Order new, unused and SABS or SANAS approved earth continuity conductor join from supplier.
2. Deliver earth continuity conductor join to site.
3. Store earth continuity conductor join on site.
4. Transport earth continuity conductor termination to installation site.
5. Prepare low voltage joining site, including excavation and trench.
6. Prepare earth continuity conductor for joining according to manufacturer's instruction.
7. Install cable join according to manufacturer's instruction.
8. Make good earth continuity conductor joining site.
9. Commission earth continuity conductor installation.

HE 09.03.00.00 MEASUREMENT AND PAYMENT: REPAIR WORK

Strict control of the work undertaken by the Contractor relative to the work items and quantities included in the Schedule, i.e. actual scope of work to be determined by the Engineer and confirmed to the Contractor by Work Instructions. The Contractor must sign the Work Instruction.

All variations to the Contract must be made in writing on the Site Instruction Book and confirmed by variation orders.

HE 09.03.01.01 Excavate in all materials for trenches, backfill, compact and dispose of surplus material

m³

This rate shall apply to all the excavations.

The unit of measurement shall be the cubic metre of material excavated in trenches, classified according to the depth and width specified listed. The width classification shall be in accordance with the authorised dimensions and the depth classification in accordance with the total depth of the trench and not with the depth range in which the material is situated before excavation. The depth of excavation shall be measured to the underside of the bedding.

The tendered rate shall include full compensation for clearing and grubbing the trench areas and the temporary removal of improvements from the line of the trench, for excavating the trench, preparing the bottom of the trench, separating material unsuitable for backfill, keeping the excavations safe, dealing with any surface or subsurface water, measuring, classification and keeping of all records and for separating topsoil and selected backfill material where necessary.

The rate shall furthermore cover the costs of installing the 150mm sand bed and 200mm sand cover, backfilling, compacting and disposing of the surplus material.

Item

Unit

HE 09.03.01.02 Extra over item HE 09.03.01.01 for excavating in hard material m³

The unit of measurement shall be the cubic metre of material excavated and classified as hard, in accordance with the classification set out hereunder.

The tendered rate shall be paid over and above the rate tendered for excavation in respect of items HE 09.03.02.04a in full compensation for the additional cost of excavating in hard material instead of soft.

The tendered rate shall include full compensation for any overbreak as well as the additional backfilling required, reinstating the trench bottom, and for any other incidentals resulting from overbreak.

The materials excavated shall be classified as follows for payment purposes: Hard material: Material which cannot be excavated efficiently except with the use of pneumatic tools, blasting or wedging and splitting, and shall include boulders exceeding 0,15 m³ in volume.

Soft material:

All material not classified as hard material.

Notwithstanding the above classification, all material excavated from previously constructed fills, embankments, pavement layers and from above existing services shall be classified as soft material.

The decision of the Engineer as to the classification of the material shall be final and binding and any objection as to the classification shall be made before the excavation has been backfilled.

Item

Unit

HE 09.03.01.03 Extra over item HE 09.03.02.04a for excavating by hand in all material m³

The unit of measurement shall be the cubic metre of trench material excavated by means of hand tools as instructed or authorised in writing by the Engineer where the use of conventional excavating equipment is either impractical or likely to cause damage to services, trees or property or where the electrical Contractor has to excavate by hand where he cannot excavate by machine.

The volumes of the trench excavation will be computed from the length and the depth to the bottom of the specified bedding layer and the minimum base widths specified in the drawings. The rate shall cover the cost of complying with the safety and protection requirements specified except where particular items are scheduled to cover particular costs for the excavation.

The tendered rate shall be paid extra over the rates tendered for item HE 09.03.02.04a in full compensation for the additional expense of excavating by means of hand labour instead of conventional trenching equipment

Item

Unit

HE 09.03.01.04

Extra over item HE 09.03.01.01 for using backfill material obtained from m³ sources provided by the Contractor

The unit of measurement shall be the cubic metre of imported backfill material.

Item HD 09.03.02.04d above will not be measured for payment unless importation has been ordered in writing. The volume will be computed from the trench width and the depth from ground level to the top of the sand bed cover as shown on the tender drawings. The rate for material from designated borrow pits shall cover the cost of excavation and selection of suitable material, the moving of the material to the backfilling site, and the disposal of the material that becomes surplus as a result of the importation, all within 0,5 km.

The tendered rate for item HD 09.03.02.04d paid extra over item HD 09.03.02.04a shall cover the cost of the acquisition of the material and of the disposal of the surplus material resulting from the importation together with all the costs of transporting the material to the site regardless of distance.

Item

Unit

HE 09.03.02.01

MEASUREMENT AND PAYMENT: SERVICE DISTRIBUTION BOARD No.

The unit of measurement shall be the number of distribution boards or kiosks serviced.

The tendered rate shall include full compensation for the cleaning and opening of kiosk or DB, vermin protection, checking of MCB's, checking and tightening of wire terminations, fitting of labels and blank covers. The contractor is to submit a report on the general condition of the kiosk or distribution boards (damaged, rust marks, etc.)

Item

Unit

HE 09.03.02.02

MEASUREMENT AND PAYMENT: SERVICE LIGHT SWITCH No.

The unit of measurement shall be the number of light switches serviced.

The tendered rate shall include full compensation for the servicing of the light switch, internal cleaning of the enclosure, spray painting of the cover plate, inspection of the wiring and connection points, earthing, etc.

The tendered sum shall further include for replacement of any missing covers and fixing screw and earth testing. Light switch face plate shall be fitted with an engraved Traffolite label as per Nosa-standard, cost of, which is included in rate.

Item

Unit

HE 09.03.02.03 MEASUREMENT AND PAYMENT: SERVICE PHOTOELECTRIC SWITCH m

The unit of measurement shall be the number of photoelectric switches serviced.

The tendered rate shall include full compensation for the servicing of the photoelectric switch, cleaning of the translucent body, inspection of the wiring and connection points, earthing, etc.

The tendered sum shall further include for replacement of any missing fixing screw and earth testing.

Item

Unit

HE 09.03.02.20 MEASUREMENT AND PAYMENT: SERVICE EXTERIOR LIGHT LUMINAIRE LIGHTING SUPPORT No.

The unit of measurement shall be the number of exterior light luminaire mounting supports serviced.

The tendered rate shall include full compensation for the opening of pole cover, visual inspections, tightening all connections and straightening of pole.

Separate items shall be scheduled for each type of exterior light luminaire mounting support.

Item

Unit

HE 09.03.02.30 MEASUREMENT AND PAYMENT: SERVICE EXTERIOR LIGHT LUMINAIRE No.

The unit of measurement shall be the number of exterior light luminaires serviced.

The tendered rate shall include full compensation for the servicing of the luminaire, including washing, corrosion protection, checking of seals and glands, cleaning of the lenses, tightening of stirrup bracket bolts and the checking of earthing continuity, connections and aiming angle.

The tendered rate shall further include full compensation for use of suspended access platform and hoisting equipment.

Separate items shall be scheduled for each type of exterior light.

Item

Unit

HE 09.03.03.01 **MEASUREMENT AND PAYMENT: REPLACE DISTRIBUTION BOARD** No.

The unit of measurement shall be the number of replaced.

The tendered rate shall include full compensation for the dismantling of the existing distribution board, disconnecting of equipment and removal of the dilapidated enclosure, order, supply, handling, installation and connection of an **epoxy painted** new distribution board, etc.

The tendered sum shall further include for re-wiring of the distribution board, cable termination, cable labelling, remedial builders work and earth testing.

Separate items shall be scheduled for each type of distribution board.

Item

Unit

HE 09.03.03.02 **MEASUREMENT AND PAYMENT: REPLACE CIRCUIT BREAKER** No

The unit of measure shall be the number of circuit breakers replaced.

The tendered rate shall include full compensation for the disconnection and removal of existing circuit breaker, order, supply, handling, installation and connection of the circuit breaker.

Separate items shall be scheduled for each type of circuit breaker.

Item

Unit

HE 09.03.03.03 **MEASUREMENT AND PAYMENT: REPLACE CONTACTOR** No

The unit of measurement shall be the number of contactors replaced.

The tendered rate shall include full compensation for the disconnection and removal of existing contactor, order, supply, handling, installation and connection of the contactor.

Separate items shall be scheduled for each type of circuit breaker.

Item

Unit

HE 09.03.03.04 **MEASUREMENT AND PAYMENT: REPLACE LIGHT SWITCH** No

The unit of measurement shall be the number of light switches replaced.

The tendered rate shall include full compensation for the disconnection and removal of existing light switch and for the supply, installation and connection of the specified type of light switch to manufacturer's instructions.

Light switch faceplate shall be fitted with an engraved Troffolite label.

Item

Unit

HE 09.03.03.05 MEASUREMENT AND PAYMENT: REPLACE PHOTOELECTRIC SWITCH No

The unit of measurement shall be the number of photoelectric switches replaced.

The tendered rate shall include full compensation for the disconnection and removal of the existing photoelectric switch and for the order, supply, handling, installation and connection of the specified type of photoelectric switch to manufacturer's instructions.

The tendered rate shall further include full compensation for use of suspended access platform and hoisting equipment.

Separate items shall be scheduled for each type of photoelectric switch.

Item

Unit

HE 09.03.03.11 MEASUREMENT AND PAYMENT: EARTH CONTINUITY CONDUCTOR m

The unit of measurement shall be the linear length in meter of earth continuity conductor supplied, installed and connected.

The tendered rate shall include full compensation for the removal of the existing earth continuity conductor, order, supply, handling, installation, termination and connection of the specified type of earth continuity conductor.

The rate shall further include for the supply of all cable ties, clamps, labelling and other material necessary to ensure that the installation conforms to the specification.

Separate items shall be scheduled for each type of earth continuity conductor.

Item

Unit

HE 09.03.03.20 MEASUREMENT AND PAYMENT: REPLACE EXTERIOR LIGHT LUMINAIRE MOUNTING SUPPORT No

The unit of measure shall be the number of luminaires mounting supports replaced.

The tendered rate shall include full compensation for the removal of all equipment from the existing luminaire mounting support, disconnecting and removal of the existing luminaire mounting support from site, ordering, supply, handling installation and connection of the luminaire mounting support.

The contractor shall re-install all existing equipment onto the new luminaire mounting support.

The tendered rate shall further include full compensation for use of suspended access platform and hoisting equipment.

Separate items shall be scheduled for each type of luminaire mounting support.

Item

Unit

HE 09.03.03.21 MEASUREMENT AND PAYMENT: REPLACE POLE BRACKET No

The unit of measure shall be the number of pole brackets replaced.

The tendered rate shall include full compensation for the excavation of existing pole and reinstallation of existing pole, supply, installation and connection of the pole baseplate.

Item Unit

HE 09.03.03.22 MEASUREMENT AND PAYMENT: REPLACE POLE COVER No

The unit of measure shall be the number of pole covers replaced.

The tendered rate shall include full compensation for the removal of existing damaged pole cover, supply, installation and connection of pole cover.

Item Unit

HE 09.03.03.23 MEASUREMENT AND PAYMENT: REPLACE GLANDPLATE ASSEMBLY No

The unit of measure shall be the number of pole gland plate assembly replaced.

The tendered rate shall include full compensation for the removal of existing damaged gland plate assembly, supply, installation and connection of pole gland plate assembly.

Item Unit

HE 09.03.03.30 MEASUREMENT AND PAYMENT: REPLACE EXTERIOR LIGHT LUMINAIRE No

The unit of measure shall be the number of luminaires replaced.

The tendered rate shall include full compensation for the supply and installation of the luminaire complete with the lamp and control gear according to the manufacturer's instructions.

Item Unit

HE 09.03.03.31 MEASUREMENT AND PAYMENT: REPLACE EXTERIOR LIGHT LUMINAIRE LAMP No

The unit of measure shall be the number of luminaire lamps replaced.

The tendered rate shall include full compensation for the supply and installation of the lamp according to the manufacturer's instructions.

Separate items shall be scheduled for each type of lamp.

Item Unit

HE 09.03.03.32 MEASUREMENT AND PAYMENT: EXTERIOR LIGHT LUMINAIRE DIFFUSER No

The unit of measure shall be the number of luminaire diffusers replaced.

The tendered rate shall include full compensation for the removal of the diffuser from the existing luminaire, ordering, supply and installation of the new diffuser as specified according to manufactures instructions.

Item Unit

HE 09.03.03.33 MEASUREMENT AND PAYMENT: REPLACE WIRING m

The unit of measurement shall be the linear of conductors replaced.

The tendered rate shall include full compensation for the removal of existing conductors; supply, handling, installation and connection of the specified type of conductor. The second hand value of the old conductor shall be subtracted from the tendered price of the new conductor.

The rate shall further include for the supply of all cable ties, labelling and other material necessary to ensure that the wiring conforms to the specification.

Item Unit

HE 09.03.03.34 MEASUREMENT AND PAYMENT: REPLACE EXTERIOR LIGHT LUMINAIRE CHOKE No

The unit of measure shall be the number of luminaire chokes replaced.

The tendered rate shall make full compensation for disconnection, removal, ordering, supply, installation and connection of luminaire choke.

Separate items shall be scheduled for each type of luminaire choke.

Item Unit

HE 09.03.03.35 MEASUREMENT AND PAYMENT: REPLACE EXTERIOR LIGHT LUMINAIRE CAPACITOR No

The unit of measure shall be the number of luminaire capacitors replaced.

The tendered rate shall make full compensation for disconnection, removal, ordering, supply, installation and connection of luminaire capacitor.

Separate items shall be scheduled for each type of luminaire capacitor.

Item Unit

HE 09.03.04.06

MEASUREMENT AND PAYMENT:
SUPPLY, INSTALL AND CONNECT PHOTOELECTRIC SWITCH

No

The unit of measurement shall be the number of photoelectric switches supplied, installed and connected.

The tendered rate shall include full compensation for the supply and installing of the photoelectric switches where the photoelectric switches are specified separately.

Item

Unit

HE 09.03.04.07

MEASUREMENT AND PAYMENT:
SUPPLY, INSTALL AND CONNECT ELECTRONIC TIME SWITCH

No

The unit of measurement shall be the number of electronic time switches supplied, installed and connected.

The tendered rate shall include full compensation for the supply, installing and connection of the electronic time switches where the electronic time switches are specified separately.

Item

Unit

HE 09.03.04.10

MEASUREMENT AND PAYMENT:
SUPPLY AND DELIVER LOW VOLTAGE CABLE

m

The unit of measurement shall be the length in meter of low-voltage cable supplied.

The tendered rate shall include full compensation for the removal of the existing low voltage cable. The tendered rate shall include full compensation for the manufacture, supply and delivery of the specified cable to the site.

Separate items shall be scheduled under this payment item for each size and type of low voltage cable required.

Item

Unit

HE 09.03.04.11

MEASUREMENT AND PAYMENT: LAY LOW VOLTAGE CABLE

m

The unit of measurement shall be the linear length in meter of low voltage cable installed.

The tendered rate shall include full compensation for the handling, inspecting, laying, cutting and testing the cable. Cables shall be measured linearly over all lengths laid. Separate items shall be scheduled for each size and each type of cable laid.

Item

Unit

HE 09.03.04.12 MEASUREMENT AND PAYMENT: TERMINATE LOW VOLTAGE CABLE No.

The unit of measurement shall be the number of low voltage cable terminations completed.

The tendered rate shall include full compensation for providing the cable glands and shrouds, the cost for handling, fitting and cutting the cable.

Item Unit

HE 09.03.04.13 MEASUREMENT AND PAYMENT: JOIN LOW VOLTAGE CABLE No.

The unit of measurement shall be the number of low voltage cable joints installed.

The tendered rate shall include full compensation for the cost for providing joint kits, complete with compound, ferrules, the cost for cutting the cable, handling and fitting kits and the cost of testing the joints. Position of joints shall be indicated on as-built drawings, submitted to the Engineer before payment can be made.

Item Unit

HE 09.03.04.14 MEASUREMENT AND PAYMENT: SUPPLY AND DELIVER EARTH CONTINUITY CONDUCTOR m

The unit of measurement shall be the length in meter of earth continuity conductors supplied.

The tendered rate shall include full compensation for the removal of the existing earth continuity conductor. The tendered rate shall include full compensation for the manufacture, supply and delivery of the specified cable to the site.

Separate items shall be scheduled under this payment item for each size and type of earth continuity conductor required.

Item Unit

HE 09.03.04.15 MEASUREMENT AND PAYMENT: LAY EATH CONTINUITY CONDUCTOR m

The unit of measurement shall be the linear length in meter of earth continuity conductor laid.

The tendered rate shall include full compensation for the handling, inspecting, laying, cutting and testing the earth continuity conductor.

Separate items shall be scheduled for each size and each type of earth continuity conductor laid.

Item Unit

HE 09.03.04.16

MEASUREMENT AND PAYMENT: TERMINATE EATH CONTINUITY CONDUCTOR

No.

The unit of measurement shall be the number of earth continuity conductor terminations completed.

The tendered rate shall include full compensation for providing the cable lugs, the cost for handling, fitting and cutting the earth continuity conductor.

Item

Unit

HE 09.03.04.17

MEASUREMENT AND PAYMENT: JOIN EARTH CONTINUITY CONDUCTOR

No.

The unit of measurement shall be the number of earth continuity conductor joints installed.

The tendered rate shall include full compensation for the cost for providing joint kits, complete with compound, ferrules, the cost for cutting the earth continuity conductor, handling and fitting kits and the cost of testing the joints. Position of joints shall be indicated on as-built drawings, submitted to the Engineer before payment can be made.

Item

Unit

HE 09.03.04.18

MEASUREMENT AND PAYMENT: SUPPLY AND INSTALL UPVC CABLE SLEEVE

m

The unit of measurement shall be linear length in meter of the cable sleeves supplied and installed.

The tendered rate shall include full compensation for the supply, delivery, handling and installing the specified sleeves including all the required couplings, steel draw wires and plugs.

Item

Unit

HE 09.03.04.19

MEASUREMENT AND PAYMENT: SUPPLY AND INSTALL PLASTIC WARNING TAPE

m

The unit of measurement shall be linear length in meter of the plastic warning tape supplied and installed.

The tendered rate shall include full compensation for the supply, delivery, handling and laying of the plastic warning tape.

Item

Unit

HE 10 TECHNICAL DETAILS: LIGHTS - OUTDOOR

HE 10.01 INSTALLATION DESCRIPTION

HE 10.01.01 INSTALLATION DESCRIPTION: AREA LIGHTING

This section describes the lighting systems network that will be repaired and maintained in terms of this contract.

Luminaires are suspended on wooden, steel (straight or stepped) and fiberglass poles of various lengths. Area lights are controlled by means of photoelectric switches, timer and manual on/off switches.

1. LUMINAIRE TYPE

- 1.1. BULKHEAD: LED, CFL
- 1.2. BOLLARD: LED, CFL
- 1.3. POST TOP: LED, CFL, MV, MH, HPS
- 1.4. STREETLIGHT: LED, CFL, MV, MH, HP, HPS
- 1.5. FLOODLIGHT: LED, MH, HPS

2. LAMP ACRONYM

- 2.1. LED – light emitting diode
- 2.2. CFL – compact fluorescent light
- 2.3. MV – mercury vapour
- 2.4. MH – metal halide
- 2.5. HPS – high pressure sodium

AREA / STREET	POLE / MAST INFORMATION		LUMINAIRE INFORMATION		
	MOUNTING HEIGHT	MATERIAL / DESCRIPTION	DESCRIPTION	SWITCHING	NUMBER
Varies	Varies	Wall	Varies	Varies	Varies
	Varies	Bracket	Varies	Varies	Varies
	Varies	Bollard	Varies	Varies	Varies
	5 m	Wooden pole	Varies	Varies	Varies
	9 m	Wooden pole	Varies	Varies	Varies
	12 m	Wooden pole	Varies	Varies	Varies
	3.5 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	4.5 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	9 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	12 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	3.5 m	Fiberglass pole	Varies	Varies	Varies
	4.5 m	Fiberglass pole	Varies	Varies	Varies
	9 m	Fiberglass pole	Varies	Varies	Varies
	12 m	Fiberglass pole	Varies	Varies	Varies
	25 m	Mast	Varies	Varies	Varies
	25 m – 40 m	High Mast	Varies	Varies	Varies

HE 10.01.02

INSTALLATION DESCRIPTION: PERIMETER LIGHTING

This section describes the lighting systems network that will be repaired and maintained in terms of this contract.

Luminaires are suspended on wooden, steel (straight or stepped) and fiberglass poles of various lengths. Perimeter lights are controlled by means of photoelectric switches, timer and manual on/off switches.

1. LUMINAIRE TYPE

- 1.1. BULKHEAD: LED, CFL
- 1.2. BOLLARD: LED, CFL
- 1.3. POST TOP: LED, CFL, MV, MH, HPS
- 1.4. STREETLIGHT: LED, CFL, MV, MH, HP, HPS
- 1.5. FLOODLIGHT: LED, MH, HPS

2. LAMP ACRONYM

- 2.1. LED – light emitting diode
- 2.2. CFL – compact fluorescent light
- 2.3. MV – mercury vapour
- 2.4. MH – metal halide
- 2.5. HPS – high pressure sodium

AREA / STREET	POLE / MAST INFORMATION		LUMINAIRE INFORMATION		
	MOUNTING HEIGHT	MATERIAL / DESCRIPTION	DESCRIPTION	SWITCHING	NUMBER
Varies	Varies	Wall	Varies	Varies	Varies
	Varies	Bracket	Varies	Varies	Varies
	Varies	Bollard	Varies	Varies	Varies
	5 m	Wooden pole	Varies	Varies	Varies
	9 m	Wooden pole	Varies	Varies	Varies
	12 m	Wooden pole	Varies	Varies	Varies
	3.5 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	4.5 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	9 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	12 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	3.5 m	Fiberglass pole	Varies	Varies	Varies
	4.5 m	Fiberglass pole	Varies	Varies	Varies
	9 m	Fiberglass pole	Varies	Varies	Varies
	12 m	Fiberglass pole	Varies	Varies	Varies
	25 m	Mast	Varies	Varies	Varies
	25 m – 40 m	High Mast	Varies	Varies	Varies

HE 10.01.03

INSTALLATION DESCRIPTION: STREETLIGHTING

This section describes the lighting systems network that will be repaired and maintained in terms of this contract.

Luminaires are suspended on wooden, steel (straight or stepped) and fiberglass poles of various lengths. Streetlights are controlled by means of photoelectric switches, timer and manual on/off switches.

1. LUMINAIRE TYPE

- 1.1. BULKHEAD: LED, CFL
- 1.2. BOLLARD: LED, CFL
- 1.3. POST TOP: LED, CFL, MV, MH, HPS
- 1.4. STREETLIGHT: LED, CFL, MV, MH, HP, HPS
- 1.5. FLOODLIGHT: LED, MH, HPS

2. LAMP ACRONYM

- 2.1. LED – light emitting diode
- 2.2. CFL – compact fluorescent light
- 2.3. MV – mercury vapour
- 2.4. MH – metal halide
- 2.5. HPS – high pressure sodium

AREA / STREET	POLE / MAST INFORMATION		LUMINAIRE INFORMATION		
	MOUNTING HEIGHT	MATERIAL / DESCRIPTION	DESCRIPTION	SWITCHING	NUMBER
Varies	5 m	Wooden pole	Varies	Varies	Varies
	9 m	Wooden pole	Varies	Varies	Varies
	12 m	Wooden pole	Varies	Varies	Varies
	3.5 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	4.5 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	9 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	12 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	3.5 m	Fiberglass pole	Varies	Varies	Varies
	4.5 m	Fiberglass pole	Varies	Varies	Varies
	9 m	Fiberglass pole	Varies	Varies	Varies
	12 m	Fiberglass pole	Varies	Varies	Varies

HE 10.01.03

INSTALLATION DESCRIPTION: FLOODLIGHTING

This section describes the lighting systems network that will be repaired and maintained in terms of this contract.

Luminaires are suspended on wooden, steel (straight or stepped) and fiberglass poles of various lengths. Floodlights are controlled by means of photoelectric switches, timer and manual on/off switches.

1. LUMINAIRE TYPE

1.1. FLOODLIGHT: LED, MH, HPS

2. LAMP ACRONYM

2.1. LED – light emitting diode

2.2. MH – metal halide

2.3. HPS – high pressure sodium

AREA / STREET	POLE / MAST INFORMATION		LUMINAIRE INFORMATION		
	MOUNTING HEIGHT	MATERIAL / DESCRIPTION	DESCRIPTION	SWITCHING	NUMBER
Varies	Varies	Wall	Varies	Varies	Varies
	Varies	Bracket	Varies	Varies	Varies
	Varies	Bollard	Varies	Varies	Varies
	5 m	Wooden pole	Varies	Varies	Varies
	9 m	Wooden pole	Varies	Varies	Varies
	12 m	Wooden pole	Varies	Varies	Varies
	3.5 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	4.5 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	9 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	12 m	Steel pole (Straight/Stepped)	Varies	Varies	Varies
	3.5 m	Fiberglass pole	Varies	Varies	Varies
	4.5 m	Fiberglass pole	Varies	Varies	Varies
	9 m	Fiberglass pole	Varies	Varies	Varies
	12 m	Fiberglass pole	Varies	Varies	Varies
	25 m	Mast	Varies	Varies	Varies
	25 m – 40 m	High Mast	Varies	Varies	Varies

HE 10.02

SCOPE OF WORK: MAINTENANCE LIGHTING SYSTEM

HE10.02.00

GENERAL

This part of the Contract shall include routine preventative maintenance, corrective maintenance, and breakdown maintenance, as defined in Additional Specification SA: General Maintenance, for the specified installations described under the section AA 01 of this document. The meaning of repair could also mean corrective maintenance.

The maintenance work to be performed and executed shall be done strictly in accordance with Additional Specification SA: General Maintenance, and as specified in the Particular Specification and this specification.

The said maintenance work shall be executed in accordance with the relevant codes of practice, standards, regulations, municipal laws and by-laws and the manufacturer's specifications and codes of practice.

The maintenance schedules and frequency shall be developed under the Maintenance Control Plan to be instituted by the Contractor.

All new equipment, components and materials supplied and installed under the maintenance Contract shall be furnished with prescribed manufacturer's guarantees.

The maintenance work and items are to be categorised for each maintenance activity under the following headings:

- a) Area lighting
- b) Perimeter lighting
- c) Streetlighting
- d) Flood lights

HE 10.02.01

PREVENTITIVE MAINTENANCE

This routine maintenance of the installations, systems and equipment shall be done in accordance with Additional Specification SA: General Maintenance and the Particular Specification related to this work.

These actions and findings shall be logged and reported on the relevant approved schedules and reports.

The routine maintenance work to be performed and executed shall include, but not be limited to the items listed in table below under each heading.

Cleaning material:

Soft, damp, fluff-free rags or cloths should be used to wipe the bowls and reflectors. Dry cloths should never be used because they will create static charges on plastics surfaces, which will attract dust.

A stiff plastics bristle brush should be used to clean the prisms on refractor bowls, but care should be taken that the brush does not scratch the bowl.

Soap or mild detergents and water should be used.

Cleaning methods:

The reflectors should be wiped with a soft, damp cloth, and care should be taken to ensure that the supply is switched off because water may come into contact with live parts.

Where reflectors are corroded, this should be recorded and arrangements made for their replacement. Where the luminaire has only a painted interior reflector, the paint should be checked and the inside repainted, using only heat-resistant and highly reflective paint.

A soft, damp cloth can be used to wipe refractor bowls in position or, preferably, they should be removed and replaced with clean bowls. The dirty refractor bowl should be washed in a bucket of soapy water on the vehicle while the vehicle is travelling between poles. A brush may also be required to remove any dirt embedded between the prisms of refractor bowls.

HE 10.02.02

CORRECTIVE MAINTENANCE

This corrective maintenance of the installations, systems and equipment shall be done in accordance with Additional Specification SA: General Maintenance, and the Particular Specification related to this work.

The Contractor shall inspect and check all equipment, materials, systems and installations for any pending breakdowns, maladjustments or anomalies of equipment.

The Contractor shall report and supply detailed quotation for actions to correct such shortfall.

HE 10.02.03

BREAKDOWN MAINTENANCE

This entails repair and/or replacement of defective equipment, units or parts of installations following a breakdown that leaves the installation inoperable or unsafe, and subsequent action to restore installations to their normal functional condition, within the maximum down-time allowed.

HE 10.03.01

MEASUREMENT AND PAYMENT: PREVENTITIVE MAINTENANCE EXTERIOR LIGHTS

No

The unit of measurement shall be the number of exterior lights luminaires serviced as specified in HE 10.02.01.

The tendered rate shall include full compensation for the servicing of the luminaire, including washing, checking of seals, glands, lamp holders, cleaning of diffusers, tightening of fixing screws and bolts, corrosion protection and the checking of earthing continuity and aiming angle if applicable. All external luminaire conduit entries are to be sealed with silicone, which cost is included in this payment item.

The tendered rate shall further include for use of mobile elevated work platforms, mobile material handling equipment and hoisting equipment and safety precautions.

Item

Unit

HE 10.03.02

MEASUREMENT AND PAYMENT: RELAMP

No

The unit of measurement shall be the number of lights – outdoor luminaires lamps replaced as specified in HE 10.02.01.

The tendered rate shall include full compensation for the supply and installation of the lamp according to the manufacturer's instructions.

The tendered rate shall further include for use of mobile elevated work platforms, mobile material handling equipment and hoisting equipment and safety precautions

Separate items shall be scheduled for each type of lamp.

Item

Unit

ANNEXURE A

LIST OF TOWNS – EHLANZENI REGION

Property code	Property description	GPS coordinates		Property Address
		Latitude	Longitude	
254814	Acornhoek SAPS	-24.597000	31.0485	1 Main Road, Acornhoek, 1360
290411	Calcutta (Mkhuhlu) SAPS	-24.987133	31.24397	Matikwane Road, Mkhuhlu, 1246
284108	Dientjie SAPS	-24.613906	30.80443	Leroro Police View, Graskop, 1273
255850	Graskop SAPS	-24.934714	30.83943	23 Monument Street, Graskop, 1270
8621	Hazyview SAPS	-25.047050	31.12833	1 Hobby Avenue, Hazyview, 1242
135500	Hectospruit SAPS	-25.440128	31.67851	Cnr First and Naboom Street, Hectorspruit, 1330
255857	KaBokweni SAPS	-25.344318	31.12934	Kabokweni Main Street, Kabokweni, 1245
5537	Komatipoort SAPS	-25.436227	31.95761	43 Rissik Street, Komatipoort, 1340
4521	Maartenshoop SAPS	-25.007433	30.2266	11 JT Naauwpoort Farm, Lydenburg, 1120
8290	Malelane SAPS	-25.494367	31.51103	52 Inbani Circle, Malelane, 1320
280136	Masoyi SAPS	-25.163592	31.11521	R538 Road, Masoyi, 1242
280461	Matsulu SAPS	-25.515375	31.34597	1711 Mfuleni Road, Matsulu 1203
280465	Mbuzini SAPS	-25.821066	31.89278	Mbangwane Main Road, Mbuzini, 1341
303433	Mhala SAPS	-24.725764	31.20415	938A Main Road, Thulamahashe, 1365
4801	Motlolo(Lydenburg) SAPS	-25.083949	30.43806	
255890	Nelspruit SAPS	-25.468681	30.97914	15 Bester Street, Nelspruit, 1200
3490	Ngodwana SAPS	-25.57087	30.67427	2 Enstra Street, Ngodwana, 1209
271323	Pilgrims Rest SAPS	-24.909925	30.75637	Main Road, Pilgrim's Rest, 1290
280119	Tonga SAPS	-25.688465	31.78515	Tonga Main Road, Kwalugedlane, 1377
292160	Acornhoek Court	-24.597782	31.049201	Main Rd, Thulamahashe
272899	Barberton Court	-25.78933	31.05232	1940 General St, Barberton, 1300
279419	Boschfontein Periodical Court	-25.714105	31.61187	Cnr Schoemansdale and Boschfontein Road, Kwalugedlane, 1341
268684	Hazyview Periodical Court	-25.047057	31.12814	Stand 16 Chief Mgiyeni Khumalo Drive, Hazyview, 1242
268121	KaBokweni Court	-25.347473	31.12469	Stand 1212, Kabokweni, 1245
202921	KaNyamazane Periodical Court	-25.46524	31.18463	Cnr Cobra & Wasp Street, Kanyamazane, 1245
271971	Komatipoort Periodical Court	-25.43591	31.95534	09 Louw Street, Komatipoort, 1340
280134	Lydenburg Court	-25.092495	30.44786	Cnr. Voortrekker & De Klerk St, Lydenburg, 1120
8290	Malelane Periodical Court	-25.494203	31.51096	52 Inbani Circle, Malelane, 1320
280472	Masoyi Periodical Court	-25.163207	31.11455	R538 Road, Masoyi, 1242
280130	Matsulu Periodical Court	-25.51824	31.35267	Cnr Madiba & Rhodesa Street, Matsulu, 1203
271213	Mkhuhlu Court (Main)	-24.987562	31.24388	Matikwane Road, Mkhuhlu, 1246
271216	Mkhuhlu Court (Attached Bld)	-24.987562	31.24388	Matikwane Road, Mkhuhlu, 1246
4258	Nelspruit Court	-25.469352	30.97835	17 Bester St, Nelspruit Central, Nelspruit, 1201
254627	Sabie Court	-25.098985	30.78041	Cnr. 7th Ave & Main St, Sabie, 1260
321518	Tonga Court	-25.688299	31.78396	Tonga Road, Mashekesheni, Nkomazi, 1341
8190	Barberton Farm Prison	-25.781641	30.98968	1 Kruger St, Barberton, 1300
6495	Barberton Town Prison	-25.793858	31.04165	Cnr Robbens & De Villiers Road, Barberton, 1300
1352	Lydenburg Prison	-25.098369	30.45668	66 De Beer St, Lydenburg, 1120

6099	Nelspruit Prison	-25.475815	30.985735	21 Henshall St, Nelspruit, 1201
321521	Skukuza (Sandriver) SANDF	-24.959429	31.61579	
138562	Nelspruit Shonalanga SANDF	-25.467225	30.954324	

