



KOUGA MUNICIPALITY EC108

Notice No. 82/2025

HIGH MAST FLOOD LIGHT INSTALLATIONS DURING 2025/26 TO 2026/27 IN THE KOUGA MUNICIPAL AREA

PROCUREMENT DOCUMENT

(Based on GCC 2015)

April 2025

Issued by:

Kouga Municipality
Municipal Offices
16 Woltemade Street
Jeffreys Bay
6300

Prepared by:

Clinkscapes Maughan-Brown South (Pty) Ltd
39 Victoria Street
P.O. Box 2551
GEORGE
6530

Contact:

Name: Mr. Jacques du Toit

Telephone: 042-200 2200

E-mail: jdutoit@kouga.gov.za

Mr. Stiaan Adams

044-874 1511

sadams@cmbgeorge.co.za

Name of Tenderer:



KOUGA MUNICIPALITY EC108

Notice No. 82/2025

HIGH MAST FLOOD LIGHT INSTALLATIONS DURING 2025/26 TO 2026/27 IN THE KOUGA MUNICIPAL AREA

Contents

Number Heading

THE TENDER

Part T1: Tendering Procedures

T1.1	Tender Notice and Invitation to Tender	T1.1.1 – T1.1.2	White
T1.2	Tender Data	T1.2.1 – T1.2.5	Pink

Part T2: Returnable Documents

T2.1	List of Returnable Documents	T2.1.1 – T2.1.2	Yellow
T2.2	Returnable Schedules		
T2.2.1	Record of Addenda to Tender Documents	T2.2.1.1	Yellow
T2.2.2	Proposed Amendments and Qualifications	T2.2.2.1	Yellow
T2.2.3	Schedule of Particulars / Information	T2.2.3.1 – T2.2.3.5	Yellow
T2.2.4	Compulsory Enterprise Questionnaire	T2.2.4.1 – T2.2.4.2	Yellow
T2.2.5	Certificate of Authority for Joint Ventures	T2.2.5.1	Yellow
T2.2.6	Schedule of Tenderer's Experience	T2.2.6.1	Yellow
T2.2.7	Schedule of Sub-Contractors	T2.2.7.1	Yellow
T2.2.8	Schedule of Plant and Equipment	T2.2.8.1	Yellow
T2.2.9	Undertaking to provide Performance Bond	T2.2.9.1	Yellow
T2.2.10	Authority for Signatory	T2.2.10.1	Yellow
T2.2.11	Preferencing Schedule: Broad Based Black Economic Empowerment Status	T2.2.11.1 - T2.2.11.7	Yellow
T2.2.12	Company Declaration	T2.2.12.1 - T2.2.12.3	Yellow
T2.2.13	Municipal Declaration and Returnable Documents	T2.2.13.1 - T2.2.13.2	Yellow

THE CONTRACT

Part C1: Agreements and Contract Data

C1.1	Form of Offer and Acceptance	C1.1.1 – C1.1.5	Yellow
C1.2	Contract Data	C1.2.1 – C1.2.4	Yellow
C1.3	Pro-forma Performance Guarantee	C1.3.1 – C1.3.3	White
C1.4	Occupational Health and Safety Agreement	C1.4.1	White
C1.5	Certificate of Ownership of Plant / Materials	C1.5.1 – C1.5.2	White

Part C2: Pricing Data

C2.1	Pricing Instructions	C2.1.1 – C2.1.2	Yellow
C2.2	Bills of Quantities	C2.2.1 – C2.2.14	Yellow

Part C3: Scope of Work

C3.1	GENERAL PROJECT SPECIFICATION	C3.1.1 – C3.1.7	Blue
	1.0 General	C3.1.1	
	2.0 Project Description	C3.1.1	
	3.0 Site Information	C3.1.1	
	4.0 Nature of Contract	C3.1.2	
	5.0 Programme and Completion	C3.1.2	
	6.0 Project Notice Board	C3.1.2	
	7.0 Site Staff	C3.1.2	
	8.0 Site Facilities	C3.1.2	
	9.0 Clearance with Other Services	C3.1.3	
	10.0 Kouga Supply Chain Management Policy	C3.1.3	
	11.0 Preferential Procurement	C3.1.3	
	12.0 Subcontracting	C3.1.3	
	13.0 Sanctions	C3.1.5	
	14.0 Monitoring / Reporting	C3.1.5	
	15.0 Contractor's Obligations to Subcontracted EEs	C3.1.6	
	16.0 Issuing of Completion Certificate	C3.1.7	
	17.0 Measurement and Payment	C3.1.7	
	18.0 Construction and "As-Built" Drawings and Manuals	C3.1.7	
	19.0 Damage to Structures	C3.1.7	
C3.2	HEALTH AND SAFETY	C3.2.1 – C3.2.4	Blue
	1.0 General	C3.2.1	
	2.0 Health and Safety Information	C3.2.1	
	3.0 Health and Safety Plan	C3.2.1	
	4.0 Health and Safety Conditions	C3.2.2	
	5.0 Health and Safety Hazard Identification List	C3.2.3	
C3.3	PROJECT TECHNICAL SPECIFICATION	C3.3.1 – C3.3.11	Blue
	1.0 General	C3.3.1	
	2.0 Supply Authority	C3.3.1	
	3.0 High Mast Design	C3.3.1	
	3.1 Construction of Masts	C3.3.1	

3.2	Mast Design	C3.3.1
3.3	Mast Loading	C3.3.3
3.4	Access Opening	C3.3.3
3.5	Access Ladder	C3.3.4
3.6	Maintenance Tools	C3.3.4
3.7	Material and Corrosion Protection	C3.3.5
3.8	Warning Light	C3.3.5
4.0	Assembly of Masts on Site	C3.3.5
4.1	Assembly and Erection	C3.3.5
4.2	Grouting	C3.3.5
5.0	Foundations	C3.3.5
6.0	Earthing	C3.3.6
7.0	Solar Powered High Mast Flood Lights	C3.3.7
7.1	General	C3.3.7
7.2	Luminaires	C3.3.7
7.3	Photovoltaic (PV) Panels	C3.3.7
7.4	Power Storage Devices	C3.3.7
7.5	Charge Controller	C3.3.8
7.6	Mandatory Features	C3.3.8
7.7	Technical Illuminance Performance	C3.3.8
8.0	Grid-Tied High Mast Flood Lights	C3.3.9
8.1	General	C3.3.9
8.2	Luminaires	C3.3.9
8.3	Technical Illuminance Performance	C3.3.9
8.4	Mains LV Supply	C3.3.9
9.0	Trenching, Backfilling and Compaction	C3.3.10
10.0	Padlocks	C3.3.10
11.0	Inspection, Testing and Commissioning	C3.3.10
12.0	Completion of Works	C3.3.11
13.0	Certificate of Compliance	C3.3.11

C3.4 **STANDARD PRELIMINARY AND GENERAL INFORMATION**

C3.4.1 – C3.4.5

Blue

1.0	Preamble	C3.4.1
2.0	Alternative Offers	C3.4.1
3.0	Spare Parts	C3.4.1
4.0	Delivery Times of Manufactured Items	C3.4.1
5.0	Packing and Delivery	C3.4.2
6.0	Layout of Installation	C3.4.2
7.0	Drawings, Certificates and Operating Instructions	C3.4.2
8.0	Standards and Codes of Practice	C3.4.3
9.0	Workmanship	C3.4.4
10.0	Co-ordination of Services on Site	C3.4.4
11.0	Interruption of Existing Services	C3.4.4
12.0	Builder's Work	C3.4.4
13.0	Approval of Drawings	C3.4.5
14.0	Operating, Maintenance and Servicing Procedures	C3.4.5
15.0	Maintenance	C3.4.5

Part C4: Site Information

C4.1

Green

ANNEXURES

A	Project Notice Board and Support Structure Detail
---	---

TENDERER CONTACT DETAILS

This information shall be used for any correspondence or contact with the Tenderer.

Please indicate whether you prefer to receive any correspondence via e-mail or sent to your postal address by registered mail.

Name of Bidding Company:		Mark choice of correspondence with an X
Name of Contact Person:		
Postal Address:	..... ..... ..... ..... Postal Code:	
E-mail Address:	.....	.....
Telephone No:	.....	.....
Cell No:	.....	.....
Fax No:	.....	.....

TENDER OFFER

The offered total of the prices inclusive of Value Added Tax, carried over from Part C1.1, Form of Offer and Acceptance, Page C1.1.1, is:

.....

..... Rand (in words)

R (in figures).

KOUGA MUNICIPALITY

NOTICE NO. 82/2025

HIGH MAST FLOOD LIGHT INSTALLATIONS DURING 2025/26 TO 2026/27 IN THE KOUGA MUNICIPAL AREA

GENERAL TENDER INFORMATION

TENDER ADVERTISED	: 25 April 2025
COMPULSORY VIRTUAL CLARIFICATION SESSION DATE:	: Wednesday, 07 May 2025 at 10h00am
TENDER CLOSING DATE	: Tuesday, 27 May 2025
CLOSING TIME	: 12h00pm
LOCATION OF TENDER BOX	: Tender Box in Room 122 at 21 St. Croix Street (back entrance) or 16 Woltemade Street (front entrance), Jeffreys Bay

THE TENDER

PART T1 – TENDERING PROCEDURES

T1.1 TENDER NOTICE AND INVITATION TO TENDER

KOUGA LOCAL MUNICIPALITY (EC108)
DIRECTORATE: INFRASTRUCTURE & ENGINEERING
NOTICE NO: 82/2025: HIGH MAST FLOOD LIGHT INSTALLATIONS DURING
2025/26 TO 2026/27 IN THE KOUGA MUNICIPAL AREA

The Kouga Municipality invites suitably qualified, capable and experienced Contractor to submit tenders for High mast flood light installations during the 2025/26 to 2026/27 financial years in the Kouga municipal area.

Tenders

An electronic copy of the tender document will be available on E-Tender portal www.etender.gov.za or the municipal website www.kouga.gov.za as from **Friday, 25 April 2025**. After downloading the tender document from the website each prospective bidder **MUST** ensure that all the pages of the tender document are printed.

A compulsory virtual clarification session will be arranged for **Wednesday, 7 May 2025 @ 10h00am**. Prospective bidders can use the link below to attend the meeting. **Please take note that no attendee arriving 10 minutes late or more will be allowed to attend the meeting.**

The link will also be available on the municipal website.

Join Teams meeting

https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZGQ5ZGVhZjMtMWQ2OS00ZjZiLTkwMDMtNDFiOTQ1ZTBiMDg0%40thread.v2/0?context=%7b%22Tid%22%3a%226227dc1-4e2b-407e-9bee-81acf6fe8aa9%22%2c%22Oid%22%3a%220f003184-f74c-40a3-9b40-9fda5b3dfcff%22%7d

Meeting ID: 363 127 628 884 2

Passcode: vi33Xd2D

Bidders must be represented at the compulsory virtual meeting **by a technical employee from** the prospective bidder (company) who is suitably qualified and experienced to comprehend the implications of the work involved.

Please note:

- Telegraphic, telephonic, telex, facsimile, email or late tenders will not be accepted.
- This contract will be evaluated on the 80 (price)
- The specific goals would be for a maximum of 20 points. To claim for specific goals prospective bidders **MUST** submit proof/required documents.
- **An electronic copy of the completed tender document with returnable documents must be submitted with tender submission saved on a flash drive or CD that is covered in a case or envelope. Failure to submit AN ORIGINAL HARD COPY AND A COPY ON EITHER USB or CD (in a case or envelope) will deem the bid non-responsive.**
- **A contractor CIDB Grading of 5EP or higher is required.**
- **Proof of registration and good standing with the Construction Industry Development Board.**
- **A minimum functional assessment score of 70% will apply to this contract.**
- A valid Tax compliance Status pin must be submitted.
- Prospective Service Providers must register on Kouga Municipality's Supplier database as per the registration requirements.
- The National Treasury Central Supplier Database Summary report must be submitted.
- The Council reserves the right to accept any tender and, or part thereof, appoint more than one contractor, and does not bind itself to accept the lowest or any tender. The Council reserves the right to appoint any contractor.
- The validity period for submission will be 90 days from the closing date.
- Tenders that are deposited in the incorrect box or delivered to any other venue will not be considered.

Any inquiries relating to this tender must be submitted in writing via e-mail to tenders@kouga.gov.za and copied to jdutoit@kouga.gov.za

Completed documents in a sealed envelope endorsed “**NOTICE NO: 82/2025: “HIGH MAST FLOOD LIGHT INSTALLATIONS DURING THE 2025/26 TO 2026/27 FINANCIAL YEARS IN THE KOUGA MUNICIPAL AREA”**” must be placed in the Tender Box at 16 Woltemade Street (front entrance), Jeffrey’s Bay, Room 122 on or before **TUESDAY, 27 MAY 2025 at 12:00.**

C. DU PLESSIS
MUNICIPAL MANAGER

P.O. Box 21
JEFFREYS BAY
6330

For Placement:

Herald/Municipal Website/ Municipal Notice Boards in all offices/areas – 25 April 2025

T1.2 TENDER DATA

The conditions of tender are the Standard Conditions of Tender as contained in Annex C of the Construction Industry Development Board (CIDB) Standard for Uniformity in Engineering and Construction Works Contracts as published in Department of Public Works Notice 423 of 2019 No. 42622 Government Gazette 8 August 2019. (See www.cidb.org.za).

The Standard Conditions of Tender make several references to the Tender Data for details that apply specifically to this tender. The Tender Data shall have precedence in the interpretation of any ambiguity or inconsistency between it and the standard conditions of tender. Each item of data given below is cross-referenced to the clause in the Standard Conditions of Tender to which it mainly applies.

The following variations, amendments and additions to the Standard Conditions of Tender as set out in the Tender Data below shall apply to this tender:

Clause number	Tender Data
C.1.1	The Employer is Kouga Municipality.
C.1.2	<p>The Tender Documents issued by the Employer comprise the following documents:</p> <p>THE TENDER Part T1: Tendering procedures. Part T2: Returnable documents.</p> <p>THE CONTRACT Part C1: Agreements and Contract data Part C2: Pricing data. Part C3: Scope of work. Part C4: Site information Annexures</p>
C.1.4	<p>The Employer's Agent is Kouga Municipality:</p> <p>Address (physical): 16 Woltemade Street, JEFFREYS BAY, 6330 Address (postal) PO Box 21, JEFFREYS BAY, 6330 Telephone: 044-200 2200 Facsimile: 044-200 8606 e-mail: jdutoit@kouga.gov.za</p> <p>Any inquiries relating to this tender must be submitted in writing via e-mail to tenders@kouga.gov.za and copied to jdutoit@kouga.co.za</p>
C.1.6.2	The Competitive Negotiation Procedure will not be followed.
C.1.6.3	The proposal procedure using the two-stage system will not be followed.
C.2.1.1	<p>Only those Tenderers who are registered with the CIDB, or are capable of being so prior to the evaluation of submissions, in a contractor grading designation equal to or higher than a contractor grading designation determined in accordance with the sum tendered, or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations, for a EP class of construction work, are eligible to have their tenders evaluated.</p> <p>Joint ventures are eligible to submit tenders provided that:</p> <ol style="list-style-type: none"> every member of the joint venture is registered with the CIDB; the lead partner has a contractor grading designation in the EP class of construction work; and the combined contractor grading designation calculated in accordance with the Construction Industry Development Regulations is equal to or higher than a contractor grading designation determined in accordance with the sum tendered for a EP class of construction work or a value determined in accordance with Regulation 25 (1B) or 25(7A) of the Construction Industry Development Regulations.

T1.2.2

C.2.1.1

Only Tenderers that meet the following pre-qualification conditions are eligible to have their tenders further evaluated. The qualifying criteria and the score in respect of each criterion is as follows. **A minimum of 70 points** out of a maximum total of 100 points is required for the tender to be evaluated further.

Should the Tenderer not complete the following column, no points will be awarded.

The Tenderer must provide sufficient proof, i.e. documentation, contact persons and contact numbers, etc. under Parts T2.2.3, T2.2.6 and T2.2.15 in this document for each of the following items stipulated. Unclear or incomplete information provided will result in no points being awarded.

Note:

In terms of Item 2 of Clause 3.2 of CIDB's Inform Practice Note #5, Tenderers may not provide additional information subsequent to the closing of the tender that may affect their competitive position. It is therefore very important that the Tenderer submit sufficient proof as requested above together with his/her tender.

Item	Description	Column to be completed by Tenderer	Points awarded by Employer
a)	<p>Tenderer's relevant experience (track record) on previously completed projects of a similar nature, scope and complexity, i.e. <u>solar powered</u> flood light installations on min. 20m galvanised steel pole structures, over the past five (5) years:</p> <p>1 to 2 projects = 10 points More than 2 projects = 20 points</p> <p>(Maximum points = 20)</p> <p>Completion certificates of previously completed projects to be included with the tender. This requirement is compulsory in order to claim for points.</p>	<p>.....</p> <p>.....</p>	<p>.....</p> <p>.....</p>
b)	<p>Tenderer's relevant experience (track record) on previously completed projects of a similar nature, scope and complexity, i.e. <u>grid-tied</u> flood light installations on min. 30m galvanised steel pole structures, over the past five (5) years:</p> <p>1 to 2 projects = 20 points 3 to 4 projects = 30 points More than 4 projects = 40 points</p> <p>(Maximum points = 40)</p> <p>Completion certificates of previously completed projects to be included with the tender. This requirement is compulsory in order to claim for points.</p>	<p>.....</p> <p>.....</p>	<p>.....</p> <p>.....</p>

T1.2.3

	c)	<p><u>Compulsory</u> minimum qualification/s, plus experience in number of years, of Tenderer's proposed Professional Structural Engineer:</p> <p>Compulsory Qualification/s:</p> <ul style="list-style-type: none"> - Registered with Engineering Council of South Africa (ECSA) either as Pr Eng or Pr Tech Eng as Structural Engineer <p>Experience:</p> <ul style="list-style-type: none"> 1 to 5 years = 5 points 6 to 10 years = 10 points 11 to 15 years = 15 points 16 years or more = 20 points <p>(Maximum points = 20)</p> <p>A CV of the proposed Professional Structural Engineer, indicating experience in years, including copies of his/her ECSA registration to be included with the tender. This requirement is compulsory in order to claim for points.</p>	<p>YES/NO</p> <p>.....</p> <p>.....</p>	<p>YES/NO</p> <p>.....</p> <p>.....</p>
	d)	<p><u>Compulsory</u> minimum qualification/s, plus experience in number of years, of Tenderer's proposed full-time Site Supervisor:</p> <p>Compulsory Qualification/s:</p> <ul style="list-style-type: none"> - Electrician Trade Certificate <p>Experience:</p> <ul style="list-style-type: none"> 1 to 5 years = 5 points 6 to 10 years = 10 points 11 to 15 years = 15 points 16 years or more = 20 points <p>(Maximum points = 20)</p> <p>A CV of the proposed Site Supervisor, indicating experience in years, including copies of his/her relevant compulsory qualifications to be included with the tender. This requirement is compulsory in order to claim for points.</p>	<p>YES/NO</p> <p>.....</p> <p>.....</p>	<p>YES/NO</p> <p>.....</p> <p>.....</p>
		Total points awarded out of 100	.....	.....

C.2.7	<p>An electronic copy of the tender document will be available on E-Tender portal www.etender.gov.za or the municipal website www.kouga.gov.za as from Friday, 25 April 2025. After downloading the tender document from the website each prospective bidder MUST ensure that all the pages of the tender document are printed.</p> <p>A compulsory virtual clarification session will be arranged for Wednesday, 7 May 2025 @ 10h00am. Prospective bidders can use the link below to attend the meeting. Please take note that no attendee arriving 10 minutes late or more will be allowed to attend the meeting.</p> <p>The link will also be available on the municipal website.</p> <p>Join Teams meeting https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZGQ5ZGVhZjMtMTMwQ2OS00ZjZiLTkwMDMtNDFiOTQ1ZTBiMDg0%40thead.v2/0?context=%7b%22Tid%22%3a%2226227dc1-4e2b-407e-9bee-81acf6fe8aa9%22%2c%22Oid%22%3a%220f003184-f74c-40a3-9b40-9fda5b3dfcff%22%7d</p> <p>Meeting ID: 363 127 628 884 2 Passcode: vi33Xd2D</p> <p>Bidders must be represented at the compulsory virtual meeting by a technical employee from the prospective bidder (company) who is suitably qualified and experienced to comprehend the implications of the work involved.</p>
C.2.12	No alternative tender offers will be considered.
C.2.13.3	The complete Tender Document shall be returned with the tender, including all Parts as listed in C.1.2 above (not to be separated). Parts of each tender offer communicated on paper shall be submitted as an original, plus Nil copies.
C.2.13.5 C.2.15.1	<p>The employer's details and address for delivery of tender offers and identification details that are to be shown on each tender offer package are:</p> <p>Location of tender box: Room 122 Physical address: 21 St. Croix Street (back entrance) or 16 Woltemade Street (front entrance), Jeffreys Bay Identification details: Bid reference number, Title and the closing date and time.</p>
C.2.13.9	Telephonic, telegraphic, telex, facsimile or e-mailed tender offers will not be accepted.
C.2.15	The closing time for submission of tender offers is as stated in the Tender Notice and Invitation to Tender.
C.2.16	The tender offer validity period is 90 days.
C.2.20	The Tenderer is required to submit with his tender a letter of intent from an approved insurer undertaking to provide the Performance Bond to the format included in Part C1.3 of this procurement document. The form as per Part T2.2.12 can be used for this purpose.
C.2.23	<p>The tenderer is required to submit with his tender the following:</p> <ol style="list-style-type: none"> 1) an original Tax Clearance Certificate issued by the South African Revenue Services; 2) CIDB grading certificate; 3) Documents as listed in the List of Returnable Documents in Part T2.1.
C.3.4	Tenders will be opened immediately after the closing time for tenders at 12h05.
C.3.5	A two-envelope system will not be followed.
C.3.11.1	Points will be awarded to Tenderers who are eligible for preferences in terms of the Preference Points Claim Form in terms of the Preferential Procurement Regulations, 2022, which is included under Part T2.2. The terms and conditions of the Preference Points Claim Form shall apply in all respects to the tender evaluation process and any subsequent contract.

C.3.13	<p>Tender offers will only be accepted if:</p> <ul style="list-style-type: none"> a) the tenderer submits a tax compliance status certificate issued by the South African Revenue Services or has made arrangements to meet outstanding tax obligations; b) the tenderer submits a letter of intent from an approved insurer undertaking to provide the Performance Bond to the format included in Part T2.2 of this procurement document c) the tenderer is registered with the Construction Industry Development Board in an appropriate contractor grading designation; d) the tenderer or any of its directors/shareholders is not listed on the Register of Tender Defaulters in terms of the Prevention and Combating of Corrupt Activities Act of 2004 as a person prohibited from doing business with the public sector; e) the tenderer has not: <ul style="list-style-type: none"> i) abused the Employer's Supply Chain Management System; or ii) failed to perform on any previous contract and has been given a written notice to this effect; f) the tenderer has completed the Compulsory Enterprise Questionnaire and there are no conflicts of interest which may impact on the tenderer's ability to perform the contract in the best interests of the employer or potentially compromise the tender process and persons in the employ of the state are permitted to submit tenders or participate in the contract; g) the tenderer is registered and in good standing with the compensation fund or with a licensed compensation insurer; h) the employer is reasonably satisfied that the tenderer has in terms of the Construction Regulations, 2014, issued in terms of the Occupational Health and Safety Act, 1993, the necessary competencies and resources to carry out the work safely. i) the Tenderer has not failed to perform on any previous contracts and has not been given written notice to the effect. j) the Tenderer is not in arrears for more than 30 days with municipal rates and taxes and service charges.
C.3.13	<p>The appointment of a Contractor will be subject to the availability of funding. The Employer reserves the right to accept a tender in whole or in parts with certain items being added, or in whole with the provision that certain items of work may be omitted at a later date.</p>
C.3.17	<p>The number of paper copies of the signed contract to be provided by the employer is one (1).</p>

Notice No. 82/2025

T2.1 LIST OF RETURNABLE DOCUMENTS

[illegible]

T2.1.2

Part No.	The tenderer must ensure that the following documents are completed and included with his tender.	Tenderer to confirm in this column by inserting a tick that document has been completed and returned.
(k)	Estimated monthly cash flow for duration of contract. Only pro-rata percentage of Gross Contract Value per month required.	<input type="checkbox"/>
	3. Returnable Schedules that will be incorporated into the Contract: All schedules as per Item 1 above.	<input type="checkbox"/>
C1.1	Form of Offer and Acceptance	<input type="checkbox"/>
C1.2	Contract Data	<input type="checkbox"/>
C2.1	Pricing Instructions	<input type="checkbox"/>
C2.2	Bill of Quantities	<input type="checkbox"/>
C3	Scope of Work	<input type="checkbox"/>
C4	Site information	<input type="checkbox"/>
-	Annexures	<input type="checkbox"/>

T2.2 RETURNABLE SCHEDULES**T2.2.1 RECORD OF ADDENDA TO TENDER DOCUMENTS**

We confirm that the following communications received from the Employer before the submission of this tender offer, amending the tender documents, have been taken into account in this tender offer:

	Date	Title or Details
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		

Copies of Addenda received to be attached hereafter.

Signed

Date

Name

Position

Tenderer

T2.2.2 SCHEDULE OF AMENDMENTS AND QUALIFICATIONS BY TENDERER

The Tenderer is required to give full details of any departure from the Specification and shall then sign this page officially. If there are no departures, the Tenderer must state NIL on this page and sign it. The Tender shall then be held to comply in all respect with the Specification. If the Tenderer does not indicate anything on this page, the Tenderer will also be held to comply in all respects with the Specification.

Should there be insufficient space, the Tenderer may include separate sheets arranged in the same manner as above. Mere reference to a covering letter will not be regarded as compliance with this requirement. Any amendments and / or qualifications stated in a covering letter will be regarded as null and void.

The Tenderer's attention is drawn to clause C.3.8 of the Standard Conditions of Tender referenced in the Tender Data regarding the Employer's handling of material deviations and qualifications.

Page	Clause or item	Proposal

Signed

Date

Name

Position

Tenderer

T2.2.3 SCHEDULE OF PARTICULARS / INFORMATION

- Note:
1. This schedule must be completed for all items offered, stating where appropriate, the size or capacity of equipment, type or catalogue no, country of origin and any other detail he considers necessary. Failure to comply with this requirement may render the tender invalid.
 2. Information in amplification of that given below may be submitted in the form of published literature, technical sheets, etc. and must be attached immediately after this page, otherwise same will not be considered.
 3. Acceptance of a Tender, with this Schedule complete, does not relieve the Tenderer of the responsibility of complying with the Specification for the items listed.

1.0 SOLAR POWERED HIGH MAST INSTALLATIONS

1.1 High Mast Design

- (a) Manufacturer:
 Contact details:

 (b) Access Ladder: YES/NO
 (c) Delivery to site: weeks

1.2 High Mast Flood Lights

- (a) Manufacturer:
 Contact details:

 (b) Type of flood light (luminaire):
 (c) Wattage:
 (d) Catalogue No.
 (e) Delivery to site: weeks

1.3 Photovoltaic (PV) Panels

- (a) Manufacturer:
 Contact details:

 (b) Are the PV modules Tier 1: YES/NO
 (c) Bearing TUV Rheinland Power inspection mark: YES/NO
 (d) Catalogue No.
 (e) Delivery to site: weeks

1.4 **Power Storage Devices (Battery Packs)**

- (a) Manufacturer:
 Contact details:

 (b) Are the batteries LiFE-PO: YES/NO
 (c) Enclosure material IP65 non-corrosive: YES/NO
 (d) Catalogue No.
 (e) Delivery to site: weeks

1.5 **Charger Controller**

- (a) Manufacturer:
 Contact details:

 (b) Catalogue No.
 (c) Delivery to site: weeks

1.6 **Mandatory Features**

All the mandatory features as stipulated under Clause 7.6 of Part C3.3, Project Technical Specification are included with the offered solar solution: YES/NO

1.7 **Technical Illuminance Performance Simulation**

A printed simulation is included with this tender submission indicating the spacing achieved in a triangular spacing between three (3) masts and as further detailed under Part C3.3, Project Technical Specification: YES/NO

1.8 **Concrete Foundations**

- (a) Concrete mix ratio:
 (b) Concrete strength in MPA:
 (c) Soil bearing pressure:
 (d) Steel reinforcing: YES/NO
 (e) Size:
 (f) Complies with mast Supplier's requirements: YES/NO
 (g) Minimum curing time:days

1.9 **Warning Light**

- (a) Manufacturer:
 (b) Catalogue No.

- (c) Delivery to site: weeks

2.0 **GRID-TIED HIGH MAST INSTALLATIONS**

2.1 **High Mast Design**

- (a) Type:
- (b) Manufacturer:
- (c) Detailed description of pole and luminaire carriage, i.e. material type, thickness, etc:

- (d) Will each mast be designed to carry a total of 12 floodlight luminaires (9 floodlight luminaires are required and space only for further 3 should be allowed):
 YES/NO
- (e) Delivery to site: weeks

2.2 **Mast Distribution Board**

- (a) Make:
- (b) Detailed description of enclosure, i.e. material type, thickness, etc:

- (c) Manufacturer and catalogue no. of circuit breakers and accessories:

- (d) Delivery to site: weeks

2.3 **Flexible Trailing Cable Inside Mast**

- (a) Manufacturer:
- (b) Type:
- (c) Size:
- (d) No. of cores:
- (e) Type and ampere rating of connectors:
- (f) Delivery to site: weeks

2.4 Floodlight Luminaires

- (a) Make and Catalogue No:
- (b) Make and type of LED luminaire:
- (c) Jet and dust proof to IP 66: YES/NO
- (d) Delivery to site: weeks

2.5 Hoisting Device

- (a) Description of device:.....
.....
- (b) Type and diameter of ropes:
- (c) Manufacturing material of pulleys used:
- (d) Is a locking mechanism provided: YES/NO

2.6 Raising and Lowering Device (Winch)

- (a) Type of winch offered:
- (b) Is winch offered of the single drum type? :..... YES/NO
- (c) Gear Ratio of winch:
- (d) Is winch compatible with electrical motor with remote control: YES/NO

2.7 Concrete Foundations

- (a) Concrete mix ratio:
- (b) Concrete strength in MPA:
- (c) Soil bearing pressure:
- (d) Steel reinforcing: YES/NO
- (e) Size:
- (f) Complies with mast Supplier's requirements: YES/NO
- (g) Minimum curing time:days

2.8 Warning Light

- (a) Manufacturer:
- (b) Catalogue No.
- (c) Delivery to site: weeks

3.0 GENERAL

- (a) Name and experience of Professional Land Surveyor the Tenderer intends using on this project:
.....
.....

-

 (b) Name and experience of Professional Structural Engineer the Tenderer intends using on this project:

.....

Professional Registration number with the Engineering Council of South Africa (ECSA):

- (c) Name and experience of Construction Manager the Tenderer intends using on this project:

.....

- (d) Name and experience of the Site Supervisor the Tenderer intends using on this project:

.....

An organogram of the tendering company / entity shall be included with the tender submission, clearly indicating the positions of all nominated personnel for this tender.

- (e) Organogram of tendering company / entity included: YES/NO

- (f) We undertake to provide the following documentation as required in terms of the Contract to the Engineer within a period of fourteen (14) days from the date of a letter of appointment being received:

- (i) Performance Bond or Surety: YES/NO
 (ii) Proof of Third-Party Insurance: YES/NO
 (iii) Construction programme for approval: YES/NO
 (iv) Proof of orders for major items of materials / equipment YES/NO

SIGNATURE:
 (for the Tenderer)

PRINT NAME:
 (for the Tenderer)

DATE:

T.2.2.4 COMPULSORY ENTERPRISE QUESTIONNAIRE

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

Section 1: Name of enterprise:

Section 2: VAT registration number, if any:

Section 3: CIDB registration number, if any:

Section 4: CSD number:

Section 5: Particulars of sole proprietors and partners in partnerships:

Name*	Identity number*	Personal income tax number*

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

Section 6: Particulars of companies and close corporations

Company registration number

Close corporation number

Tax reference number

Section 7: The MBD 4 form attached under Part T2.2.13 must be completed and be attached as a tender requirement.

Section 8: The MBD 6.1 form attached under Part T2.2.13 must be completed and be attached as a tender requirement.

Section 9: The MBD 8 form attached under Part T2.2.13 must be completed and be attached as a tender requirement.

Section 10: The MBD 9 form attached under Part T2.2.13 must be completed and be attached as a tender requirement.

T2.2.4.2

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

- i) authorizes the Employer to verify the Tenderer's tax clearance status from the South African Revenue Services that it is in order;
- ii) confirms that neither the name of the enterprise or the name of any partner, manager, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears on the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004;
- iii) confirms that no partner, member, director or other person, who wholly or partly exercises, or may exercise, control over the enterprise appears, has within the last five years been convicted of fraud or corruption;
- iv) confirms that I / we are not associated, linked or involved with any other tendering entities submitting tender offers and have no other relationship with any of the Tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- v) confirms that the contents of this questionnaire are within my personal knowledge and are to the best of my belief both true and correct.

Signed _____ Date _____

Name _____ Position _____

Enterprise
name _____

T2.2.5 CERTIFICATE OF AUTHORITY FOR JOINT VENTURES

This Returnable Schedule is to be completed by joint ventures.

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

NAME OF FIRM	ADDRESS	DULY AUTHORISED SIGNATORY
Lead partner CIDB registration no		Signature Name Designation
 CIDB registration no		Signature Name Designation
 CIDB registration no		Signature Name Designation
 CIDB registration no		Signature Name Designation

Employer, contact person and telephone number.	Description of contract	Value of work inclusive of VAT (Rand)	Date completed

Position

T2.2.7 SCHEDULE OF SUB-CONTRACTORS

We notify you that it is our intention to employ the following Sub-contractors for work in this contract.

If we are awarded a contract we agree that this notification does not change the requirement for us to submit the names of Sub-contractors in accordance with requirements in the contract for such appointments. If there are no such requirements in the contract, then your written acceptance of this list shall be binding between us. The following supporting documentation must be submitted for each of the Sub-Contractors:

- CV of the proposed Sub-Contractor/s.
- A valid B-BBEE status level verification certificate or sworn affidavit.

	Name and address of Sub-contractor	B-BBEE Status	Nature, extent and % of work to be sub-contracted	Previous experience with Sub-contractor.
1.				
2.				
3.				
4.				

Signed

Date

Name

Position

Tenderer

T2.2.8 SCHEDULE OF PLANT AND EQUIPMENT

The following are lists of major items of relevant equipment that I / we presently own or lease and will have available for this contract or will acquire or hire for this contract if my / our tender is accepted.

(a) Details of major equipment that is owned by and immediately available for this contract.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

(b) Details of major equipment that will be hired, or acquired for this contract if my / our tender is accepted.

Quantity	Description, size, capacity, etc.

Attach additional pages if more space is required.

Signed _____ Date _____

Name _____ Position _____

Tenderer _____

In their capacity as

T2.2.10 AUTHORITY FOR SIGNATORY

Details of person responsible for Tender process

Name

Contact number ()

Address of office submitting the Tender:

.....

.....

.....

Telephone no ()

Fax no ()

E-mail address

Signatories for close corporations and companies shall confirm their authority by attaching to this form a **duly signed and dated original or certified copy** of the relevant resolution of their members or their board of directors, as the case may be.

"By resolution of the board of directors passed on (*date*).....

Mr.

has been duly authorized to sign all documents in connection with the Tender for Contract Numberand any Contract which may arise there from on behalf of:

(BLOCK CAPITALS)

.....

.....

SIGNED ON BEHALF OF THE COMPANY

IN HIS CAPACITY AS

DATE

FULL NAMES OF SIGNATORY

AS WITNESSES 1.

2.

T2.2.11 PREFERENCING SCHEDULE: BROAD BASED BLACK ECONOMIC EMPOWERMENT STATUS

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

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, TENDERERS MUST STUDY THE GENERAL CONDITIONS, DEFINITIONS AND DIRECTIVES APPLICABLE IN RESPECT OF THE TENDER AND PREFERENTIAL PROCUREMENT REGULATIONS, 2022

1. GENERAL CONDITIONS

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

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

1.2 To be completed by the organ of state

(Delete whichever is not applicable for this tender).

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

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

- (a) Price;
- (b) BBBEE; and
- (c) Specific Goals.

1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

	POINTS
PRICE	80
BBBEE	10
SPECIFIC GOALS	10
Total points for PRICE and SPECIFIC GOALS	100

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

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

2. DEFINITIONS

- (a) “**tender**” means a written offer in the form determined by an organ of state in response to an invitation to provide goods or services through price quotations, competitive tendering process or any other method envisaged in legislation;
- (b) “**price**” means an amount of money tendered for goods or services, and includes all applicable taxes less all unconditional discounts;
- (c) “**rand value**” means the total estimated value of a contract in Rand, calculated at the time of bid invitation, and includes all applicable taxes;
- (d) “**tender for income-generating contracts**” means a written offer in the form determined by an organ of state in response to an invitation for the origination of income-generating contracts through any method envisaged in legislation that will result in a legal agreement between the organ of state and a third party that produces revenue for the organ of state, and includes, but is not limited to, leasing and disposal of assets and concession contracts, excluding direct sales and disposal of assets through public auctions; and
- (e) “**the Act**” means the Preferential Procurement Policy Framework Act, 2000 (Act No. 5 of 2000).

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

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

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

$$\begin{array}{ccc}
 \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\
 \\
 \mathbf{Ps} = \mathbf{80} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left(\mathbf{1} - \frac{\mathbf{Pt} - \mathbf{Pmin}}{\mathbf{Pmin}} \right)
 \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

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

3.2.1. POINTS AWARDED FOR PRICE

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

$$\begin{array}{ccc}
 \mathbf{80/20} & \mathbf{or} & \mathbf{90/10} \\
 \\
 \mathbf{Ps} = \mathbf{80} \left(\mathbf{1} + \frac{\mathbf{Pt} - \mathbf{Pmax}}{\mathbf{Pmax}} \right) & \mathbf{or} & \mathbf{Ps} = \mathbf{90} \left(\mathbf{1} + \frac{\mathbf{Pt} - \mathbf{Pmax}}{\mathbf{Pmax}} \right)
 \end{array}$$

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmax = Price of highest acceptable tender

4. POINTS AWARDED FOR BBBEE AND SPECIFIC GOALS

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

4.1.1 Points awarded for B-BBEE Level of Contributor

In terms of the Specific Goals as per the Kouga Municipality Preferential Procurement Policy, preference points must be awarded to a tenderer for attaining the B-BBEE status level of contribution in accordance with the table below:

B-BBEE Status Level of Contributor	Number of Points for Preference (80/20)
1	10
2	9
3	7
4	6
5	4
6	3
7	2
8	1
Non-compliant contributor	0

Bidder MUST submit a valid BBBEE certificate, failure to attach no points will be awarded for BBBEE points.

4.1.2 Points awarded for Specific Goals

In terms of the Specific Goals as per the Kouga Municipality Preferential Procurement Policy, preference points must be awarded to a Tenderer for Locality in accordance with the table below:

No	Specific Goals Categories	Max points allocation	Evaluation Indicators
1	B-BBE Status Level Contributor	10	As for B-BBEE points allocation table above.
2	The promotion of enterprises located in a specific province for work to be done or services to be rendered in that province.	10	10 Points= Located within the boundaries of the Kouga Local Municipality 6 Points= Located within the boundaries of Sarah Baartman District Municipality 4 Points= Located within the boundaries of the Eastern Cape 1 Point= Outside of the boundaries of the Eastern Cape
Bidders MUST submit valid B-BBEE sworn affidavit / certificate AND Latest Municipal Billing Clearance Certificate / Copy of Municipal Account / Rental Documentation in the name of the bidding entity, to claim points for specific goals. Virtual offices will not be accepted.			

- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
 - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
- then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

5. BID DECLARATION

Tenderers who claim points in respect of BBEE must complete the following:

B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 4.1 AND 4.1.1

5.1.	Contribution to BBEE: =(maximum 10 points)
------	---

(Points claimed in respect of paragraph 5.1 must be in accordance with the table reflected in paragraph 4.1.1 and **must be substantiated by relevant proof of B-BBEE status level of contributor.**)

LOCALITY OF TENDERERS OFFICE CLAIMED IN TERMS OF PARAGRAPHS 4.1 AND 4.1.2

5.2.	Contribution to specific Goals: =(maximum of 10 points)
------	--

(Points claimed in respect of paragraph 5.2 must be in accordance with the table reflected in paragraph 4.1.2 and **must be substantiated by relevant proof of address of a company office.**)

DECLARATION WITH REGARD TO COMPANY/FIRM

5.3. Name of company/firm.....

5.4. Company registration number:

5.5. TYPE OF COMPANY/ FIRM

Partnership/Joint Venture / Consortium

One-person business/sole propriety

Close corporation

Public Company

Personal Liability Company

(Pty) Limited

Non-Profit Company

State Owned Company

[TICK APPLICABLE BOX]

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

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;

- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 5.1 and 5.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
 - (a) disqualify the person from the tendering process;
 - (b) recover costs, losses or damages it has incurred or suffered as a result of that person's conduct;
 - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
 - (d) recommend that the tenderer or contractor, its shareholders, and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
 - (e) forward the matter for criminal prosecution, if deemed necessary.

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

SURNAME AND NAME:

DATE:

ADDRESS:
.....

**B-BBEE EXEMPTED AFFIDAVIT FOR EXEMPTED MICRO ENTERPRISES
(ISSUED IN TERMS OF THE AMENDED CONSTRUCTION SECTOR CODE)**

(Gazette Vol. 630 No. 41287)

Issued in terms of paragraph 3.6.2.4.1 (B)

I, the undersigned,

Full names and surname	
Identity number	

Hereby declare under oath as follows:

- The contents of this statement are to the best of my knowledge a true reflection of the facts.
- I am a Member / Director / Owner of the following enterprise and am duly authorized to act on its behalf:

Enterprise Name:			
Trading Name (If Applicable):			
Registration Number:			
Physical Address:			
Type of Entity (CC, (Pty) Ltd, Sole Prop etc.):			
Nature of Construction Business: <i>Indicate the applicable category with a tick.</i>	BEP (Built Environment Professional)	Contractor	Supplier
Definition of "Black People"	As per the Broad-Based Black Economic Empowerment Act 53 of 2003 as Amended by Act No 46 of 2013 "Black People" is a generic term which means Africans, Coloureds and Indians – who are citizens of the Republic of South Africa by birth or descent; or who became citizens of the Republic of South Africa by naturalization before 27 April 1994; or after 27 April 1994 and who would have been entitled to acquire citizenship by naturalization prior to that date;"		
Definition of "Black Designated Groups"	"Black Designated Groups" means: (a) unemployed black people not attending and not required by law to attend an educational institution and not awaiting admission to an educational institution; (b) Black people who are youth as defined in the National Youth Commission Act of 1996; (c) Black people who are persons with disabilities as defined in the Code of Good Practice on employment of people with disabilities issued under the Employment Equity Act; (d) Black people living in rural and under developed areas; (e) Black military veterans who qualifies to be called a military veteran in terms of the Military Veterans Act 18 of 2011;"		

- I hereby declare under Oath that as per Amended Code Series 100 of the Amended Codes of Good Practice issued under section 9 (1) of B-BBEE Act No 53 of 2003 as Amended by Act No 46 of 2013,

- The Enterprise is _____ % Black Owned
- The Enterprise is _____ % Black Female Owned
- The Enterprise is _____ % Owned by Black Designated Group (provide Black Designated Group Breakdown below as per the definition in the table above)
 - Black Youth % _____ %
 - Black Disabled % _____ %
 - Black Unemployed % _____ %
 - Black People living in Rural areas % _____ %

o Black Military Veterans % _____%

Construction Sector Affidavit

1. Based on the Financial Statements/Management Accounts and other information available on the latest financial year-end of _____, the annual Total Revenue was less than the applicable amount confirmed **by ticking the applicable box below.**

BEP	R1.8 million	
Contractor	R3.0 million	
Supplier	R3.0 million	

If the turnover exceeds the applicable amount in the table above then this affidavit is no longer applicable and an EME certificate must be obtained from a rating agency accredited by SANAS or when applicable a B-BBEE Verification Professional Regulator appointed by the Minister of Trade and Industry.

2. Please Confirm on the below table the B-BBEE Level Contributor, **by ticking the applicable box below.**

100% Black Owned	Level One (135% B-BBEE procurement recognition level)	
At least 51% Black Owned	Level Two (125% B-BBEE procurement recognition level)	
At least 30% Black Owned	Level Four (100% B-BBEE procurement recognition level)	
Less than 30% Black Owned	Level Five (80% B-BBEE procurement recognition level)	

3. I know and understand the contents of this affidavit and I have no objection to take the prescribed oath and consider the oath binding on my conscience and on the Owners of the Enterprise which I represent in this matter.

4. The sworn affidavit will be valid for a period of 12 months from the date signed by commissioner.

Deponent Signature: _____

Date: _____

COMMISSIONER OF OATHS
SIGNATURE & STAMP

T2.2.12 COMPULSORY DECLARATION

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

Section 1: Enterprise Details

Name of enterprise:	
Contact person:	
Email:	
Telephone:	
Cell no	
Fax:	
Physical address	
Postal address	

Section 2: Particulars of companies and close corporations

Company / Close Corporation registration number	
--	--

Section 3: SARS Information

Tax reference number	
VAT registration number:	<i>State Not Registered if not registered for VAT</i>

Section 4: CIDB registration number

CIDB Registration number <i>(if applicable)</i>	
--	--

Section 5: National Treasury Central Supplier Database

Supplier number	
Unique registration reference number	

Section 6: Particulars of principals

principal: means a natural person who is a partner in a partnership, a sole proprietor, a director of a company established in terms of the Companies Act of 2008 (Act No. 71 of 2008) or a member of a close corporation registered in terms of the Close Corporation Act, 1984, (Act No. 69 of 1984).

Full name of principal	Identity number	Personal tax reference number

Attach separate page if necessary

Section 7: Record in the service of the state

Indicate by marking the relevant boxes with a cross, if any principal is currently or has been within the last 12 months in the service of any of the following:

- | | |
|--|--|
| <input type="checkbox"/> a member of any municipal council | <input type="checkbox"/> an employee of any department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act of 1999 (Act No. 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> an employee of Parliament or a provincial legislature |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | |
| <input type="checkbox"/> an official of any municipality or municipal entity | |

If any of the above boxes are marked, disclose the following:

Name of principal	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

Section 8: Record of family member in the service of the state

family member: a person's spouse, whether in a marriage or in a customary union according to indigenous law, domestic partner in a civil union, or child, parent, brother, sister, whether such a relationship results from birth, marriage or adoption

Indicate by marking the relevant boxes with a cross, if any family member of a principal as defined in section 5 is currently or has been within the last 12 months been in the service of any of the following:

- | | |
|--|---|
| <input type="checkbox"/> a member of any municipal council | <input type="checkbox"/> an employee of any provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act 1 of 1999) |
| <input type="checkbox"/> a member of any provincial legislature | <input type="checkbox"/> a member of an accounting authority of any national or provincial public entity |
| <input type="checkbox"/> a member of the National Assembly or the National Council of Province | <input type="checkbox"/> an employee of Parliament or a provincial legislature |
| <input type="checkbox"/> a member of the board of directors of any municipal entity | |
| <input type="checkbox"/> an official of any municipality or municipal entity | |

Name of family member	Name of institution, public office, board or organ of state and position held	Status of service (tick appropriate column)	
		Current	Within last 12 months

*insert separate page if necessary

Section 9: Record of termination of previous contracts with an organ of state

Was any contract between the tendering entity including any of its joint venture partners terminated during the past 5 years for reasons other than the employer no longer requiring such works or the employer failing to make payment in terms of the contract.

☐ Yes ☐ No (Tick appropriate box)

If yes, provide particulars (interest separate page if necessary)

Section 10: Declaration

The undersigned, who warrants that he / she is duly authorised to do so on behalf of the tendering entity confirms that the contents of this Declaration are within my personal knowledge, and save where stated otherwise in an attachment hereto, are to the best of my belief both true and correct, and:

- i) neither the name of the tendering entity or any of its principals appears on:
 - a) the Register of Tender Defaulters established in terms of the Prevention and Combating of Corrupt Activities Act of 2004 (Act No. 12 of 2004)
 - b) National Treasury's Database of Restricted Suppliers (see www.treasury.gov.za)
- ii) neither the tendering entity or any of its principals has within the last five years been convicted of fraud or corruption by a court of law (including a court outside of the Republic of South Africa);
- iii) any principal who is presently employed by the state has the necessary permission to undertake remunerative work outside such employment (attach permission to this declaration);
- iv) the tendering entity is not associated, linked or involved with any other tendering entities submitting tender offers
- v) has not engaged in any prohibited restrictive horizontal practices including consultation, communication, agreement, or arrangement with any competing or potential tendering entity regarding prices, geographical areas in which goods and services will be rendered, approaches to determining prices or pricing parameters, intentions to submit a tender or not, the content of the submission (specification, timing, conditions of contract etc) or intention to not win a tender;
- vi) has no other relationship with any of the tenderers or those responsible for compiling the scope of work that could cause or be interpreted as a conflict of interest;
- vii) neither the tenderer or any of its principals owes municipal rates and taxes or municipal service charges to any municipality or a municipal entity and are not in arrears for more than 3 months;
- viii) SARS may, on an on-going basis during the term of the contract, disclose the tenderer's tax compliance status to the Employer and when called upon to do so, obtain the written consent of any subcontractors who are subcontracted to execute a portion of the contract that is entered into in excess of the threshold prescribed by the National Treasury, for SARS to do likewise.

Signed

Date

Name

Position

Enterprise name

T.2.2.13 MUNICIPAL DECLARATION AND RETURNABLE DOCUMENTS

The following particulars must be furnished in relation to tenders for municipalities and municipal entities:

- a) where consultancy services are required; and
- b) goods, services or a combination thereof, where the estimated total of the prices exceeds R10 million, including VAT.

In the case of a joint venture, separate municipal declarations and returnable documents shall be submitted in respect of each partner.

Section 1: Enterprise details

Name of enterprise	
Contact person	
Email	
Telephone	
Cell	
Fax	
Physical address	
Postal address	

Section 2: Declaration for consultancy services

The enterprise has been awarded the following consultancy services by an organ of state during the last five years:

Name of organ of state	Estimated number of contracts	Nature of service, e.g. quantity surveying	Service similar to required service (yes/no)?

Attach separate page as necessary

Section 3: Goods, services, or a combination thereof, where the estimated total of the prices exceeds R10 million, including VAT

I/we certify that

1) (tick one of the boxes):

- ☐ the enterprise **is not** required by law to prepare annual financial statements for auditing
- ☐ the enterprise **is** required by law to have audited annual financial statements (attached herewith for the past three financial years or the years for which the enterprise has been in operation)

T2.2.13.2

2) the enterprise and its directors have no undisputed commitments for municipal services towards a municipality or other service provider in respect of which payment is overdue for more than 30 days (i.e. all municipal accounts are paid up to date);

3) source of goods and/or services :

(tick one of the boxes and insert percentages if applicable)

☐ goods and/or services are sourced only from within the Republic of South Africa

☐ % of the total cost of goods and/or services will be sourced from outside the Republic of South Africa, and the percentage of payment from the municipality or municipal entity which is expected to be transferred out of the Republic is %.

I furthermore confirm that the following contracts were awarded to the enterprise by an organ of state during the last five years and attached particulars of any material non-compliance or dispute concerning the execution of such contracts:

Name of organ of state	Estimated number of contracts	Nature of contracts

Attach separate page as necessary

I, the undersigned who warrants that I am duly authorised on behalf of the tendering entity, hereby declare that the contents of this Declaration are within my personal knowledge, and save where stated otherwise, are to the best of my belief both true and correct.

Signed

Date

Name

Position

Tenderer

THE CONTRACT**PART C1 – AGREEMENTS AND CONTRACT DATA****C1.1 FORM OF OFFER AND ACCEPTANCE (Agreement)****OFFER**

The Employer, identified in the Acceptance signature block, has solicited offers to enter into a contract in respect of the following works:

Kouga Municipality: Notice No: 82/2025: High Mast Flood Light Installations during 2025/26 to 2026/27 in the Kouga Municipal Area

The Tenderer, identified in the Offer signature block, has examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, and by submitting this Offer has accepted the Conditions of Tender.

By the representative of the Tenderer, deemed to be duly authorised, signing this part of this Form of Offer and Acceptance, the Tenderer offers to perform all of the obligations and liabilities of the Contractor under the Contract including compliance with all its terms and conditions according to their true intent and meaning for an amount to be determined in accordance with the Conditions of Contract identified in the Contract Data.

THE OFFERED TOTAL OF THE PRICES INCLUSIVE OF VALUE ADDED TAX IS:

.....

..... Rand (in words)

R (in figures).

This Offer may be accepted by the Employer by signing the Acceptance part of this Form of Offer and Acceptance and returning one copy of this document to the Tenderer before the end of the period of validity stated in the Tender Data whereupon the Tenderer becomes the party named as the Contractor in the Conditions of Contract identified in the Contract Data.

For the Tenderer:

Signature

Name

Capacity

Name and address of organisation:

.....

.....

Signature and name of witness:

Signature

Name

Date:

ACCEPTANCE

By signing this part of this Form of Offer and Acceptance, the Employer identified below accepts the Tenderer's Offer. In consideration thereof, the Employer shall pay the Contractor the amount due in accordance with the Conditions of Contract identified in the Contract Data. Acceptance of the Tenderer's Offer shall form an Agreement between the Employer and the Tenderer upon the terms and conditions contained in this Agreement and in the Contract that is the subject of this Agreement.

The terms of the contract, are contained in:

Part C1	Agreements and Contract Data, (which includes this Agreement)
Part C2	Pricing Data
Part C3	Scope of Work
Part C4	Site Information

and drawings and documents or parts thereof, which may be incorporated by reference into Parts C1 to C4 above.

Deviations from and amendments to the documents listed in the Tender Data and any addenda thereto listed in the Tender Schedules as well as any changes to the terms of the Offer agreed by the Tenderer and the Employer during this process of offer and acceptance, are contained in the Schedule of Deviations attached to and forming part of this Agreement. No amendments to or deviations from said documents are valid unless contained in this Schedule, which must be duly signed by the authorised representative(s) of both parties.

The Tenderer shall within two weeks of receiving a completed copy of this Agreement, including the Schedule of Deviations (if any), contact the Employer's agent (whose details are given in the Contract Data) to arrange the delivery of any bonds, guarantees, proof of insurance and any other documentation to be provided in terms of the Conditions of Contract identified in the Contract Data at, or just after, the date this Agreement comes into effect. Failure to fulfil any of these obligations in accordance with those terms shall constitute a repudiation of this Agreement.

Notwithstanding anything contained herein, this Agreement comes into effect on the date when the Tenderer receives one fully completed original copy of this document, including the Schedule of Deviations (if any). Unless the Tenderer (now Contractor) within five days of the date of such receipt notifies the Employer in writing of any reason why he cannot accept the contents of this Agreement, this Agreement shall constitute a binding contract between the parties.

For the Employer:

Signature

Name

Capacity

Name and address of organisation:

.....

.....

Signature and name of witness:

Signature

Name

Date:

SCHEDULE OF DEVIATIONS**Notes:**

1. The extent of deviations from the tender documents issued by the Employer prior to the tender closing date is limited to those permitted in terms of the Conditions of Tender.
2. A Tenderer's covering letter shall not be included in the final contract document. Should any matter in such letter, which constitutes a deviation as aforesaid, become the subject of Agreements reached during the process of offer and acceptance, the outcome of such Agreement shall be recorded here.
3. Any other matter arising from the process of offer and acceptance either as a confirmation, clarification or change to the tender documents and which it is agreed by the Parties becomes an obligation of the contract shall also be recorded here.
4. Any change or addition to the tender documents arising from the above Agreements and recorded here, shall also be incorporated into the final draft of the Contract.

(i)	Subject	<hr/>
	Details	<hr/>
		<hr/>
		<hr/>
(ii)	Subject	<hr/>
	Details	<hr/>
		<hr/>
		<hr/>
(iii)	Subject	<hr/>
	Details	<hr/>
		<hr/>
		<hr/>
(iv)	Subject	<hr/>
	Details	<hr/>
		<hr/>
		<hr/>
(v)	Subject	<hr/>
	Details	<hr/>
		<hr/>
		<hr/>
(vi)	Subject	<hr/>
	Details	<hr/>
		<hr/>
		<hr/>

C1.1.4

By the duly authorised representatives signing this Schedule of Deviations, the Employer and the Tenderer agree to and accept the foregoing Schedule of Deviations as the only deviations from and amendments to the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, as well as any confirmation, clarification or change to the terms of the offer agreed by the Tenderer and the Employer during this process of offer and acceptance.

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

For the Tenderer:

..... Signature

..... Name

..... Capacity

Name and address of organisation:

.....

.....

.....

..... Witness Signature

..... Witness Name

..... Date

For the Employer:

.....

.....

.....

Name and address of organisation:

.....

.....

.....

.....

.....

.....

CONFIRMATION OF RECEIPT

The Tenderer, (now Contractor), identified in the Offer part of this Agreement hereby confirms receipt from the Employer, identified in the Acceptance part of this Agreement, of one fully completed original copy of this Agreement, including the Schedule of Deviations (if any) today:

the (day)

of (month)

20 (year)

at (place)

For the Contractor:

Signature

Name

Capacity

Signature and name of witness:

Signature

Name

C1.2 CONTRACT DATA

The General Conditions of Contract for Construction Works, Third Edition (2015) published by the South African Institution of Civil Engineering, Private Bag X200, Halfway House, 1685, is applicable to this Contract and is obtainable from www.saice.org.za

The following contract specific data, referring to the General Conditions of Contract for Construction Works, Third Edition, 2015, are applicable to this Contract. Tenderers must read the abovementioned General Conditions of Contract in order to understand the implications of the Data provided by the Employer, as well as the Data which has to be completed by the Tenderer.

PART 1: DATA PROVIDED BY THE EMPLOYER

Clause	Data
1.1.1.13	The Defects Liability Period is 12 months measured from the date of the Certificate of Completion.
1.1.1.14	The time for achieving Practical Completion includes the days referred to under Clause 5.3.2 and the non-working days but excludes the special non-working days (Clauses 5.1.1 and 5.8.1).
1.1.1.15	The name of the Employer is Kouga Municipality.
1.1.1.16	The name of the Employer's Agent is Kouga Municipality. Also referred to as the "Engineer" elsewhere in this document.
1.1.1.26	The Pricing Strategy is a Re-measurement Contract.
1.2.1.2	<p>The address of the Employer is:</p> <p>Address (physical): 33 Da Gama Road, JEFFREYS BAY, 6330</p> <p>Address (postal): PO Box 21, JEFFREYS BAY, 6330</p> <p>Telephone: 042-200 2200</p> <p>Facsimile: 042-200 8606</p> <p>E-mail: tenders@kouga.gov.za</p>
1.2.1.2	<p>The address of the Employer's Agent is:</p> <p>Address (physical): 16 Woltemade Street, JEFFREYS BAY, 6330</p> <p>Address (postal): PO Box 21, JEFFREYS BAY, 6330</p> <p>Telephone: 044-200 2200</p> <p>Facsimile: 044-200 8606</p> <p>e-mail: tmadatt@kouga.gov.za</p>
3.2.3	<p>The Employer's Agent shall obtain the specific approval of the Employer before carrying out any of his functions or duties according to the following Clauses of the General Conditions of Contract:</p> <p>None.</p>
5.1.1 and 5.8.1	<p>The non-working days are Sundays, with the exception of work which must be undertaken during scheduled outages planned for Sundays.</p> <p>The special non-working days are:</p> <p>The public holidays.</p> <p>The year-end break commencing on about 16 December and ending on about the first Monday of the subsequent year, <u>or</u> the days on which the Contractor grants the majority of his permanent workforce leave.</p>

C1.2.2

5.3.1	<p>The documentation required before commencing with the Works are: Health and Safety Plan (refer to Clause 4.3 of the GCC 2015 conditions). Initial programme (refer to Clause 5.6). Security (refer to Clause 6.2). Insurance (refer to Clause 8.6). Occupational Health and Safety Agreement (refer to Part C1.4 hereof). Letter of Good Standing from the Compensation Commissioner.</p>
5.3.2	<p>The time to submit the documentation required before commencement of the Works is 14 days.</p>
5.12.2.2	<p>A delay caused by inclement weather conditions will be regarded as a delay only if, in the opinion of the Employer's Agent, all progress on an item or items of work on the critical path of the working programme of the Contractor has been brought to a halt. Delays on working days only (based on a five-day working week) will be taken into account for the extension of time, but the Contractor shall make provision in his programme of work for an expected delay of two (2) working days per month caused by normal rainy weather, for which he will not receive any extension of time. Extension of time during working days will be granted to the degree to which actual delays, as defined above, exceed the number of two (2) working days.</p> <p>It shall be further noted that where the critical path is not affected, no extension of time for abnormal climatic conditions or for any other reason will be entertained. Abnormal climatic conditions are conditions that occur less frequently than once in ten years.</p>
5.13.1	<p>The penalty for failing to complete a works instruction in the time as confirmed under Item 5.6.1 above is R 3 000.00 per day.</p>
5.14.1	<p>The requirements for achieving Practical Completion are that the Works must be in a state of readiness, fit for the intended purpose and occupation without danger or undue inconvenience to the Employer.</p>
5.16.3	<p>The latent defects period is five (5) years.</p>
6.5.1.2.3	<p>The percentage allowance on the net cost of materials actually used in the completed Works is 10%, unless specifically tendered otherwise in the Pricing Schedules. The percentage allowance on the gross remuneration of the workmen and foremen actually engaged is 10%, unless specifically tendered otherwise in the Pricing Schedules.</p>
6.8.2	<p>The total tender price for the 1st year, i.e. 2025/26, shall be <u>fixed and firm</u> and not be subject to escalation.</p> <p>For the 2nd year, i.e. 2026/27, the value of the certificates issued shall be adjusted in accordance with the Contract Price Adjustment Schedule with the following values: The value of "x" is 0.1 (Fixed portion). The values of the coefficients are: a = 0.2 (Labour) b = 0 (Contractor's equipment) c = 0.8 (Material) d = 0 (Fuel)</p> <p>The indices for "L", "P", "M" and "F" are the following as published by the Steel and Engineering Industries Federation of South Africa (SEIFSA): "L" is the "Labour Index" and shall be Table C.3 for "All Hourly Paid Employees". "P" is the "Contractor's Equipment Index" and shall not be applicable. "M" is the "Material Index" and shall be Table G.1 for "Electrical Engineering". "F" is the "Fuel Index" and shall not be applicable.</p> <p>The base month is the month prior to the closing of the tender.</p>

C1.2.3

6.8.3	Price adjustments for variations in the costs of special materials are not allowed.
6.10.1.5	<p>The percentage advance on materials not yet built into the Permanent Works is 80%. The percentage advance on Plant not yet supplied to Site is 80%.</p> <p>Documentary evidence of ownership and an indemnity against claims in respect of the plant and or materials shall be provided, and items shall be clearly marked and identified as being the property of the Employer. A Certificate of Ownership of Plant / Materials as per Part C1.5 shall be submitted to the Employer's Agent together with the claim for payment.</p>
6.10.3	Retention of 10% will be withheld on progress payment, up to the limit of retention money which is 5% of the Contract Sum. A guarantee in lieu of retention is not permitted.
6.11	Failing agreement, between the Contractor and the Employer's Agent, both the Preliminary and General Fixed Charge and Time Related Items shall be adjusted on a pro-rata basis.
8.6.1.1.2	The value of Plant and material supplied by the Employer to be included in the insurance sum is R Nil
8.6.1.1.3	The amount to cover professional fees for repairing damage and loss to be included in the insurance sum is 5% of the contract sum.
8.6.1.3	The limit of indemnity for liability insurance is R10 million.
10.3.2	Amicable settlement in terms of Clause 10.4 shall be contemplated for all disputes prior to referring any dispute to adjudication or arbitration.
10.5.3	The number of Adjudication Board Members to be appointed is one (1).
10.7.1	The determination of disputes which are unresolved in terms of Clause 10.4.2 shall be by arbitration.

C1.2 CONTRACT DATA**PART 2: DATA PROVIDED BY THE CONTRACTOR**

The Tenderer shall provide the following information:

Clause	Data								
1.1.1.9	The name of the Contractor is								
1.2.1.2	<p>The address of the Contractor is:</p> <p>Address (physical):</p> <p>Address (postal):</p> <p>Telephone:</p> <p>Facsimilee:</p> <p>E-mail:</p>								
1.1.1.14	<p>The time for achieving Practical Completion measured from the Contract Commencement Date is:</p> <ul style="list-style-type: none"> • Year 1 (2025/26) – 17 working weeks. • Year 2 (2026/27) – 16 working weeks. 								
6.2.1	<p>The security to be provided by the Contractor shall be one of the following:</p> <table border="1"> <tr> <th>Type of security (Value Added Tax is excluded from the Contract Sum and the value of the Works for calculating the percentages)</th><th>Contractor's Choice (Indicate "Yes" or "No")</th></tr> <tr> <td>Cash deposit of 10% of the Contract Sum plus retention of 5% of the value of the Works</td><td>No</td></tr> <tr> <td>Performance guarantee of 10% of the Contract Sum plus retention of 5% of the value of the Works.</td><td>.....</td></tr> <tr> <td>Variable Performance guarantee of 10% of the Contract Sum for the first period and 5% of the Contract Sum for the second period plus retention of 5% of the value of the Works.</td><td>No</td></tr> </table>	Type of security (Value Added Tax is excluded from the Contract Sum and the value of the Works for calculating the percentages)	Contractor's Choice (Indicate "Yes" or "No")	Cash deposit of 10% of the Contract Sum plus retention of 5% of the value of the Works	No	Performance guarantee of 10% of the Contract Sum plus retention of 5% of the value of the Works.	Variable Performance guarantee of 10% of the Contract Sum for the first period and 5% of the Contract Sum for the second period plus retention of 5% of the value of the Works.	No
Type of security (Value Added Tax is excluded from the Contract Sum and the value of the Works for calculating the percentages)	Contractor's Choice (Indicate "Yes" or "No")								
Cash deposit of 10% of the Contract Sum plus retention of 5% of the value of the Works	No								
Performance guarantee of 10% of the Contract Sum plus retention of 5% of the value of the Works.								
Variable Performance guarantee of 10% of the Contract Sum for the first period and 5% of the Contract Sum for the second period plus retention of 5% of the value of the Works.	No								

C1.3 PRO FORMA PERFORMANCE GUARANTEE

For use with the General Conditions of Contract for Construction Works, Third Edition (2015)

GUARANTOR DETAILS AND DEFINITIONS

“Guarantor” means:

Physical Address:

“Employer” means:

“Contractor” means:

“Employer’s Agent” means:

“Works” means:

“Site” means:

“Contract” means: The Agreement made in terms of the Form of Offer and Acceptance and such amendments or additions to the Contract as may be agreed in writing between the parties.

“Contract Sum” means: The accepted amount inclusive of tax of R

Amount in words:

“Guaranteed Sum” means: The maximum aggregate amount of R

Amount in words:

Type of Performance Guarantee: (*Insert Variable or Fixed*)

“Expiry Date” means:(*Give date*) or any other later date set by the Contractor and/or Employer provided such instruction is received prior to the Expiry Date as indicated here.

CONTRACT DETAILS

Employer’s Agent issues: Interim Payment Certificates, Final Payment Certificate and the Certificate of Completion of the Works as defined in the Contract.

1. VARIABLE PERFORMANCE GUARANTEE

1.1 Where a Variable Performance Guarantee has been selected, the Guarantor’s liability shall be limited during the following periods to diminishing amounts of the Guaranteed Sum as follows:

1.1.1 From and including the date of signing the Performance Guarantee up to and including the date of the interim payment certificate certifying, for the first time, more than 50% of the Contract Sum:

R (Amount in words)

1.1.2 From the day following the date of the said interim payment certificate up to and including the Expiry date, or the date of issue by the Employer’s Agent of the Certificate of Completion of the Works, whichever occurs first:

R (Amount in words)

- 1.2 The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the interim payment certificate certifying, for the first time, more than 50% of the Contract Sum, has been issued and the date on which the Certificate of Completion of the Works has been issued.

2. FIXED PERFORMANCE GUARANTEE

- 2.1 Where a Fixed Performance Guarantee has been selected, the Guarantor's liability shall be limited to the amount of the Guaranteed Sum.
- 2.2 The Guarantor's period of liability shall be from and including the date on which the Performance Guarantee is signed, up to and including the Expiry Date, or the date of issue by the Employer's Agent of the Certificate of Completion of the Works, or the date of payment in full of the guaranteed Sum, whichever occurs first.
- 2.3 The Employer's Agent and/or the Employer shall advise the Guarantor in writing of the date on which the Certificate of Completion of the Works has been issued.

3. CONDITIONS APPLICABLE TO VARIABLE & FIXED PERFORMANCE GUARANTEES

- 3.1 The Guarantor hereby acknowledges that:
 - 3.1.1 Any reference in this Performance Guarantee to the Contract is made for the purpose of convenience and shall not be construed as any intention whatsoever to create an accessory obligation or any intention whatsoever to create a suretyship.
 - 3.1.2 Its obligation under this Performance Guarantee is restricted to the payment of money.
- 3.2 Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor hereby undertakes to pay the Employer the sum certified upon receipt of the documents identified in 3.2.1 to 3.2.3:
 - 3.2.1 A copy of a first written demand issued by the Employer to the Contractor stating that payment of a sum certified by the Employer's Agent in an Interim or Final Payment Certificate has not been made in terms of the Contract and failing such payment within seven (7) calendar days, the Employer intends to call upon the Guarantor to make payment in terms of 3.2.2;
 - 3.2.2 A first written demand issued by the Employer to the Guarantor at the Guarantor's physical address with a copy to the Contractor stating that a period of seven (7) days has elapsed since the first written demand in terms of 3.2.1 and the sum certified has still not been paid;
 - 3.2.3 A copy of the aforesaid payment certificate which entitles the Employer to receive payment in terms of the Contract of the sum certified in 3.2.
- 3.3 Subject to the Guarantor's maximum liability referred to in 1.1 or 2.1, the Guarantor undertakes to pay to the Employer the Guaranteed Sum or the full outstanding balance upon receipt of a first written demand from the Employer to the Guarantor at the Guarantor's physical address calling up this Performance Guarantee, such demand stating that:
 - 3.3.1 The Contract has been terminated due to the Contractor's default and that this Performance Guarantee is called up in terms of 3.3; or
 - 3.3.2 A provisional or final sequestration or liquidation court order has been granted against the Contractor and that the Performance Guarantee is called up in terms of 3.3; and
 - 3.3.3 The aforesaid written demand is accompanied by a copy of the notice of termination and/or the provisional/final sequestration and/or the provisional liquidation court order.
- 3.4 It is recorded that the aggregate amount of payments required to be made by the Guarantor in terms of 3.2 and 3.3 shall not exceed the Guarantor's maximum liability in terms of 1.1 or 2.1.
- 3.5 Where the Guarantor has made payment in terms of 3.3, the Employer shall upon the date of issue of the Final Payment Certificate submit an expense account to the Guarantor showing how all monies received in terms of this Performance Guarantee have been expended and shall refund to the Guarantor any resulting surplus. All monies refunded to the Guarantor in terms of this Performance Guarantee shall bear interest at the prime overdraft rate of the Employer's bank compounded monthly and calculated from the date payment was made by the Guarantor to the Employer until the date of refund.

C1.3.3

- 3.6 Payment by the Guarantor in terms of 3.2 or 3.3 shall be made within seven (7) calendar days upon receipt of the first written demand to the Guarantor.
- 3.7 Payment by the Guarantor in terms of 3.3 will only be made against the return of the original Performance Guarantee by the Employer.
- 3.8 The Employer shall have the absolute right to arrange his affairs with the Contractor in any manner which the Employer may consider fit and the Guarantor shall not have the right to claim his release from this Performance Guarantee on account of any conduct alleged to be prejudicial to the Guarantor.
- 3.9 The Guarantor chooses the physical address as stated above for the service of all notices for all purposes in connection herewith.
- 3.10 This Performance Guarantee is neither negotiable nor transferable and shall expire in terms of 1.1.2 or 2.2, where after no claims will be considered by the Guarantor. The original of this Guarantee shall be returned to the Guarantor after it has expired.
- 3.11 This Performance Guarantee, with the required demand notices in terms of 3.2 or 3.3, shall be regarded as a liquid document for the purposes of obtaining a court order.
- 3.12 Where the Performance Guarantee is issued in the Republic of South Africa the Guarantor hereby consents in terms of Section 45 of the Magistrate's Courts Act No 32 of 1944, as amended, to the jurisdiction of the Magistrate's Court of any district having jurisdiction in terms of Section 28 of the said Act, notwithstanding that the amount of the claim may exceed the jurisdiction of the Magistrate's Court.

Signed at

Date

Guarantor's signatory (1)

Capacity

Guarantor's signatory (2)

Capacity

Witness signatory (1)

Witness signatory (2)

C1.4 OCCUPATIONAL HEALTH AND SAFETY AGREEMENT

AGREEMENT MADE AND ENTERED INTO BETWEEN

Kouga Municipality (Employer)

and

..... (Contractor / Mandatary)

IN TERMS OF SECTION 37(2) OF THE OCCUPATIONAL HEALTH AND SAFETY ACT, ACT No. 85 OF 1993 AS AMENDED.

I, representing

the Contractor / Mandatary as an employer in its own right, do hereby undertake to ensure, as far as is reasonably practicable, that all work will be performed, and all equipment, machinery or plant used in such a manner as to comply with the provisions of the Occupational Health and Safety Act (OHSA) and the Regulations promulgated there under.

I furthermore confirm that we are registered with the Compensation Commissioner and that all registration and assessment monies due to the Compensation Commissioner have been fully paid or that we are insured with an approved licensed compensation insurer.

COID ACT Registration Number:

OR Compensation Insurer: Policy No.:

I undertake to appoint, where required, suitable competent persons, in writing, in terms of the requirements of OHSA and the Regulations and to charge him/them with the duty of ensuring that the provisions of OHSA and Regulations as well as the Employer's Special Conditions of Contract, Way Leave, Lock-Out and Work Permit Procedures are adhered to as far as reasonably practicable.

I further undertake to ensure that any subcontractors employed by me will enter into an occupational health and safety agreement separately, and that such subcontractors comply with the conditions set.

I hereby declare that I have read and understand the Occupational Health and Safety Conditions and undertake to comply therewith at all times.

I hereby also undertake to comply with the Occupational Health and Safety Specification and Plan.

Signed at on the day of 20....

Witness

Contractor / Mandatary

Signed at on the day of 20

Witness

Employer

C1.5 CERTIFICATE OF OWNERSHIP OF PLANT / MATERIALS

NAME OF CONTRACTOR:

ADDRESS:

.....

.....

NAME OF EMPLOYER:

ADDRESS:

.....

.....

CONTRACT DESCRIPTION:

CONTRACT NO:

The undersigned Contractor (duly authorised hereto by virtue of a resolution of the Board of Directors/Members on) hereby certifies the following in accordance with the terms of Clause 6.10.1.5 of the General Conditions of Contract:

- (i) The plant and or materials listed hereunder, which are the Contractor's sole and exclusive property and to which no third party has any rights will upon payment be lawfully acquired by the Employer.
- (ii) The Employer is indemnified against any claim to or in respect of the plant and or materials by reason of the Contractor's sequestration or liquidation, or of any defect in the Contractor's title to the plant and or materials.
- (iii) Upon payment, effective delivery of the plant and or materials to the Employer will take place.
- (iv) Ownership of the plant and or materials will then vest in the Employer.
- (v) The plant and or materials are insured in accordance with the requirements of the Conditions of Contract.
- (vi) The Contractor shall be responsible for the care of the plant and or materials and clearly mark and identify same as being the property of the Employer.
- (vii) The plant and or materials are held by the Contractor in storage for and on behalf of the Employer at address: (the premises).
- (viii) The premises is:
 - *a) the property of the Contractor; or
 - *b) the property of of (address)

..... and are let to the Contractor by

..... of (address)

.....

* (delete whichever is not applicable)

SIGNATURE OF CONTRACTOR:

WITNESS:

DATE:

LIST OF PLANT / MATERIALS IN STORAGE OF CONTRACTOR

[illegible]

SIGNATURE OF CONTRACTOR:

WITNESS:

DATE:

PART C2 – PRICING DATA

C2.1 PRICING INSTRUCTIONS

- 1.0 The Bills of Quantities form part of and must be read in conjunction with the Specification. The Price Summary is to reflect the total price carried forward from the Bills of Quantities which need to be submitted with the tender documents.
- 2.0 The tender price must be based on the Bills of Quantities. The priced Bills of Quantities shall be submitted with the tender documents.
- 3.0 The completed Bills of Quantities shall detail the unit rate and total amount for material and labour respectively for each Item. Tenderers are advised to check their Item extensions and total additions since no claim for arithmetical errors will be considered.

“Material Rate” shall include the supply and delivery of all items of material and equipment (plant) to the site including all incidentals necessary for the completion of each Item, plus the profit thereon. Rates shall be exclusive of VAT.

“Labour Rate” shall include the cost of all labour, both skilled and unskilled, including supervision and profit required to complete the installation of all material covered by each Item. Rates shall be exclusive of VAT.

- 4.0 No alteration, erasure or addition is to be made in the text of the Bills of Quantities. Should any erasure or addition be made it will not be recognised but the original wording of the Bills of Quantities will be adhered to.
- 5.0 The quantities in the Bills are not to be considered as limiting or extending the amount of work to be done and materials to be supplied.
- 6.0 The Engineer will check the completed Bills of Quantities for arithmetical errors, omissions and discrepancies in accordance with the Standard Conditions of Tender.
- 7.0 Only major Items have been scheduled but the Tenderer shall nevertheless include for all things he considers necessary whether specified in detail or not to complete the work to specification and in a satisfactory and workmanlike manner, in order to provide a complete and working system. No extra price will be considered for the provision of materials which should have been allowed in order to provide the completed works unless detailed by the Contractor in the space provided elsewhere in the Specification.
- 8.0 Where alternative prices for equipment of different manufacture are offered, the lowest alternative price for equipment to specification must be included, against the relevant Item in the Bills of Quantities. The remaining alternative prices must be furnished separately.

Where such equipment is found not to comply with the Specification, the Contractor will be required to provide equipment which does comply, without adjustment to the price in the Bills of Quantities.

- 9.0 All items in the Bills of Quantities are deemed to include supply, delivery, installation and commissioning where appropriate, unless specifically stated otherwise. The unit rate must include for all things necessary, whether specified in detail or not, including all components, small installation materials, allowance for off-cuts, wastage etc., erection and fixings to complete the item to Specification in a satisfactory and workmanlike manner, in order to provide a complete and working system.
- 10.0 In certain instances prices are requested for Items which may be required during the progress of the work, but which are not included in the known quantities of material / labour required.

C2.1.2

These Items are indicated by the designation "R/O" (rate only) in the "Quantity" column and the price is to be noted in the "Rate" columns only and must not be carried forward.

- 11.0 Where no rates are filled in by the Tenderer, or the rate is indicated as Nil, it will be assumed that there is no charge for the particular item and that the cost thereof has been included in the other rates provided.
- 12.0 The Bills of Quantities shall not be used for ordering purposes. The Contractor shall check and measure the lengths of cables / conductors on site before ordering any of these materials.
- 13.0 The quantities and rates included for Daywork shall form part of the tender price, but Tenderers shall note that this item must be regarded as provisional and will only be payable to the Contractor if and when a written instruction to this effect has been issued.
- 14.0 Expenditure in connection with Provisional and Prime Cost Sums and under the Contingency Allowance (if any) shall be solely at the discretion and on the written instruction of the Engineer.
- 15.0 An Excel spreadsheet version of the Bill can be made available to Tenderers on request. The spreadsheet may be used for calculation purposes only. The Engineer or the Employer does not take responsibility for any arithmetical or other errors that may occur due to the use of the spreadsheet. The original wording and quantities of the Bills included in the tender document will be adhered to and this Bill must be completed by hand in black ink and submitted with the tender.

C2.2 BILLS OF QUANTITIES

<u>INDEX TO BILLS OF QUANTITIES</u>	<u>Page No.</u>
1.0 <u>YEAR 1 - 2025/26</u>	
1.1 BILL 1.1: PRELIMINARY AND GENERAL ITEMS	C2.2.2
1.2 BILL 1.2: SOLAR POWERED HIGH MAST FLOOD LIGHT INSTALLATIONS	C2.2.4
1.3 BILL 1.3: GRID-TIED HIGH MAST FLOOD LIGHT INSTALLATIONS	C2.2.6
2.0 <u>YEAR 2 - 2026/27</u>	
2.1 BILL 2.1: PRELIMINARY AND GENERAL ITEMS	C2.2.8
2.2 BILL 2.2: SOLAR POWERED HIGH MAST FLOOD LIGHT INSTALLATIONS	C2.2.10
2.3 BILL 2.3: GRID-TIED HIGH MAST FLOOD LIGHT INSTALLATIONS	C2.2.12
3.0 PRICE SUMMARY	C2.2.14

BILL 1.1: PRELIMINARY AND GENERAL ITEMS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL		LABOUR	
				RATE	TOTAL	RATE	TOTAL
<u>Note:</u>	These P&G Items is for Year 1 (2025/26) only. That for Year 2 (2026/27) is included under Bill 2.1. Care to be taken to not duplicate P&G costs.						
1.0	<u>Fixed Charge Items</u>						
1.1	Contractual requirements (Provision of 10% Performance Bond, Insurance of Works, etc.).	Sum	1	R	-	R	-
1.2	Establish facilities on site:						
1.2.1	Office and storage sheds.	Sum	1	R	-	R	-
1.2.2	Workshops.	Sum	1	R	-	R	-
1.2.3	Ablutions and latrines.	Sum	1	R	-	R	-
1.2.4	Tools and equipment.	Sum	1	R	-	R	-
1.2.5	Water supply, electrical power, telephone and access.	Sum	1	R	-	R	-
1.3	Remove site establishment upon completion of contract.	Sum	1	R	-	R	-
1.4	Allowances:						
1.4.1	For the preparation and submission of a construction programme to the Engineer as required in the documents.	Sum	1	R	-	R	-
1.4.2	For the submission of construction drawings to the Engineer for approval as required in the documents.	Sum	1	R	-	R	-
1.4.3	For three (3) sets of test certificates to be submitted to Engineer on hand-over.	Sum	1	R	-	R	-
1.4.4	For instructions to maintenance staff of operating and maintenance procedure.	Sum	1	R	-	R	-
1.4.5	Project Notice Board (one per town) as per Drawing No. 10625/E/01.	Sum	6	R	-	R	-
1.4.6	Project Notice Board Support Structure Detail as per Drawing No. 10625/E/02.	Sum	6	R	-	R	-
1.4.7	For compliance with the requirements of the Occupational Health and Safety Act Construction Regulations.	Sum	1	R	-	R	-
1.4.8	Liaison and co-ordination with Kouga Municipality for the duration of the contract.	Sum	1	R	-	R	-
2.0	<u>Time Related Items</u>						
2.1	Contractual requirements, i.e. insurances, etc.	Sum	1	R	-	R	-
2.2	Accommodation and / or living out expenses for the duration of the	Sum	1	R	-	R	-
2.3	Travelling charges for the duration of the contract.	Sum	1	R	-	R	-
2.4	Supervision and provision of facilities and attendance of site meetings.	Sum	1	R	-	R	-
2.5	Allowance to publically advertise for a local CLO (Community Liason Officer), one per town, for the duration of the contract, as specified.	Sum	6	R	-	R	-

BILL 1.1: PRELIMINARY AND GENERAL ITEMS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL		LABOUR	
				RATE	TOTAL	RATE	TOTAL
2.6	Allowance to appoint a local CLO (Community Liason Officer), one per town, for the duration of the contract.	Sum	6	R -	R -	R -	R -
2.7	Allowance to fully comply with the Municipality's requirements for Preferential Procurement, Subcontracting, Sanctions, Monitoring / Reporting and Contractor's Obligations to Subcontracted EE's, etc. as specified under Clause No's 11.0 to 17.0 of Part C3.1, General Project Specification, for the duration of the contract.	Sum	1	R -	R -	R -	R -
2.8	Operate and maintain facilities on site:						
2.8.1	Office and storage sheds.	Sum	1	R -	R -	R -	R -
2.8.2	Workshops.	Sum	1	R -	R -	R -	R -
2.8.3	Ablutions and latrines.	Sum	1	R -	R -	R -	R -
2.8.4	Tools and equipment	Sum	1	R -	R -	R -	R -
2.8.6	Water supply, electrical power, telephone and access.	Sum	1	R -	R -	R -	R -
3.0	<u>Day work</u> The following rates are for variations to the contract, as directed by the Engineer, and are for work not covered by rates in the schedules. The total cost will be adjusted in the final account in accordance with the variation orders issued.						
3.1	Labour, Normal Time:						
3.1.1	Installation Electrician and Labourer.	hour	10	R -	R -	R -	R -
3.1.2	Artisan Electrician and Labourer.	hour	10	R -	R -	R -	R -
3.1.3	Labourer.	hour	10	R -	R -	R -	R -
3.2	Labour, Normal Overtime:						
3.2.1	Installation Electrician and Labourer.	hour	10	R -	R -	R -	R -
3.2.2	Artisan Electrician and Labourer.	hour	10	R -	R -	R -	R -
3.2.3	Labourer.	hour	10	R -	R -	R -	R -
3.3	Labour, Sundays and Public Holidays:						
3.3.1	Installation Electrician and Labourer.	hour	10	R -	R -	R -	R -
3.3.2	Artisan Electrician and Labourer.	hour	10	R -	R -	R -	R -
3.3.3	Labourer.	hour	10	R -	R -	R -	R -
3.4	Transport:						
3.4.1	Private car or light delivery vehicle.	km	10	R -	R -	R -	R -
3.4.2	5 tonne truck.	km	10	R -	R -	R -	R -
3.4.3	10 tonne truck.	km	10	R -	R -	R -	R -
3.4.4	10 tonne truck with crane.	hour	10	R -	R -	R -	R -
3.4.5	5 tonne mobile crane.	hour	10	R -	R -	R -	R -
4.0	Lump sum allowance for any items not included in this schedule, but deemed necessary by the Tenderer, to complete the installation in accordance with the specification and drawings. Brief description of such items to be entered hereunder.	Sum	1	R -	R -	R -	R -
Totals to Price Summary Item 1.1					R -		R -

BILL 1.2: SOLAR POWERED HIGH MAST FLOOD LIGHT INSTALLATIONS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL				LABOUR			
				RATE		TOTAL		RATE		TOTAL	
	<u>Notes:</u>										
(i)	All rates must be exclusive of VAT.										
(ii)	All items to include for the supply and delivery thereof, unless specified otherwise.										
(iii)	All quantities are provisional.										
1.0	Mark-out and finalise high mast flood light position in conjunction with Municipality.	Sum	3	R	-	R	-	R	-	R	-
2.0	Allowance for Professional Land Surveyor survey and peg on site four (4) erf and/or road reserve boundaries per mast.	No.	12	R	-	R	-	R	-	R	-
3.0	Test soil to verify foundation requirement for each mast.	Sum	3	R	-	R	-	R	-	R	-
4.0	Excavate hole for concrete foundation of mast:										
4.1	Earth	No.	1	R	-	R	-	R	-	R	-
4.2	Hard Earth	No.	1	R	-	R	-	R	-	R	-
4.3	Rock	No.	1	R	-	R	-	R	-	R	-
5.0	Earthing of mast, incl. approx. 20m of 70mm ² bare copper earth conductors, complete as specified.	Sum	3	R	-	R	-	R	-	R	-
6.0	Concrete foundation for high mast flood light, incl. holding down bolts, steel, etc. complete as specified.	No.	3	R	-	R	-	R	-	R	-
7.0	Test cube strength of concrete.	Sum	3	R	-	R	-	R	-	R	-
8.0	Hot dip galvanised steel high mast, 20m mounting height, incl. access ladder, maintenance tools, etc. complete as specified, but excluding the PV panel, panel structure, flood lights and battery storages components measured separately hereunder.	No.	3	R	-	R	-	R	-	R	-
9.0	LED Luminaire, incl. housing etc. The number of luminaires per mast to be based on the Tenderer's offer in order to comply with the specified output requirements.	Sum	3	R	-	R	-	R	-	R	-
10.0	Photovoltaic (PV) Panel Structure, incl. PV panels. The size of the structure and the total number of panels per mast to be based on the Tenderer's offer in order to comply with the specified output requirements.	Sum	3	R	-	R	-	R	-	R	-

BILL 1.2: SOLAR POWERED HIGH MAST FLOOD LIGHT INSTALLATIONS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL				LABOUR			
				RATE		TOTAL		RATE		TOTAL	
11.0	Power Storage Devices (battery packs). The total number of battery packs per mast to be based on the Tenderer's offer in order to comply with the specified output requirements.	Sum	3	R	-	R	-	R	-	R	-
12.0	Charge controller. The total number of charge controllers per mast to be based on the Tenderer's offer in order to comply with the specified output requirements.	Sum	3	R	-	R	-	R	-	R	-
13.0	Assembly, erection and installation of high mast on concrete foundation, incl. hiring and usage of crane, excl. foundation measured elsewhere.	No.	3	R	-	R	-	R	-	R	-
14.0	Label all cables in high mast flood light.	Sum	3	R	-	R	-	R	-	R	-
15.0	Set luminaire aiming positions, test illumination levels and submit test results to engineer.	Sum	3	R	-	R	-	R	-	R	-
16.0	Warning light and independent power supply.	Sum	3	R	-	R	-	R	-	R	-
17.0	Provide Electrical Certificate of Compliance (COC) on completion of testing and commissioning.	Sum	3	R	-	R	-	R	-	R	-
18.0	Extra over Item No. 4.0 for:										
18.1	Imported backfill material from off-site source.	m ³	3	R	-	R	-	R	-	R	-
18.2	Disposal of surplus or unsuitable material including haulage up to 10km from site.	m ³	3	R	-	R	-	R	-	R	-
19.0	Lump sum allowance for any items not included in this schedule necessary to complete the installation in accordance with the specification and drawings. Brief description of such items to be entered hereunder.	Sum	1	R	-	R	-	R	-	R	-
Totals to Price Summary Item 1.2						R	-			R	-

BILL 1.3: GRID-TIED HIGH MAST FLOOD LIGHT INSTALLATIONS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL				LABOUR			
				RATE		TOTAL		RATE		TOTAL	
	<u>Notes:</u>										
(i)	All rates must be exclusive of VAT.										
(ii)	All items to include for the supply and delivery thereof, unless specified otherwise.										
(iii)	All quantities are provisional.										
1.0	Mark-out and finalise high mast flood light position in conjunction with Municipality.	Sum	8	R	-	R	-	R	-	R	-
2.0	Allowance for Professional Land Surveyor survey and peg on site four (4) erf and/or road reserve boundaries per mast.	No.	32	R	-	R	-	R	-	R	-
3.0	Test soil to verify foundation requirement for each mast.	Sum	8	R	-	R	-	R	-	R	-
4.0	Excavate hole for concrete foundation of mast:										
4.1	Earth	No.	2	R	-	R	-	R	-	R	-
4.2	Hard Earth	No.	3	R	-	R	-	R	-	R	-
4.3	Rock	No.	3	R	-	R	-	R	-	R	-
5.0	Earthing of mast, incl. approx. 20m of 70mm ² bare copper earth conductors, complete as specified.	Sum	8	R	-	R	-	R	-	R	-
6.0	Concrete foundation for high mast flood light, incl. holding down bolts, steel, etc. complete as specified.	No.	8	R	-	R	-	R	-	R	-
7.0	Test cube strength of concrete.	Sum	8	R	-	R	-	R	-	R	-
8.0	Hot dip galvanised high mast flood light, with 30m mounting height, complete including luminaire carriage, hoisting mechanism, lightning spike, etc. as specified.	No.	8	R	-	R	-	R	-	R	-
9.0	LED flood light luminaire, complete as specified, mounted on carriage at top of high mast flood light.	No.	72	R	-	R	-	R	-	R	-
10.0	Assembly, erection and installation of high mast on concrete foundation, incl. hiring and usage of crane, excl. foundation measured elsewhere.	No.	8	R	-	R	-	R	-	R	-
11.0	High mast flood light distribution board, complete as specified and installed behind the access door inside the mast, and including internal equipment, photocell, etc.	Sum	8	R	-	R	-	R	-	R	-
12.0	Label all cables in high mast flood light.	Sum	8	R	-	R	-	R	-	R	-

BILL 1.3: GRID-TIED HIGH MAST FLOOD LIGHT INSTALLATIONS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL				LABOUR			
				RATE		TOTAL		RATE		TOTAL	
13.0	Set luminaire aiming positions, test illumination levels and submit test results to engineer.	Sum	8	R	-	R	-	R	-	R	-
14.0	Cabling in high mast flood light between the distribution board and flood light luminaires, including connectors, IP65 splitter box, terminations, connections,	Sum	8	R	-	R	-	R	-	R	-
15.0	Label cables in high mast flood light.	Sum	8	R	-	R	-	R	-	R	-
16.0	Set luminaire aiming positions and test illumination levels and submit test result to engineer.	Sum	8	R	-	R	-	R	-	R	-
17.0	Portable single drum raising and lowering device (winch) complete with stainless steel rope and winch handles.	No.	4	R	-	R	-	R	-	R	-
18.0	Hydraulic power tool complete with variable speed hydraulic motor, an electric motor and 3m long cable for remote control.	No.	4	R	-	R	-	R	-	R	-
19.0	5m Test lead as specified for testing flood light luminaires at ground level.	No.	8	R	-	R	-	R	-	R	-
20.0	Warning light and independent power supply.	Sum	8	R	-	R	-	R	-	R	-
21.0	Provsional Sum for mains LV supply to each mast, as specified. Tenderer to include breakdown and rates of each item, as specified.	Sum	8	R	-	R	-	R	-	R	-
22.0	Provide Electrical Certificate of Compliance (COC) on completion of testing and commissioning.	Sum	8	R	-	R	-	R	-	R	-
23.0	Extra over Item No. 4.0 for:										
23.1	Imported backfill material from off-site source.	m³	8	R	-	R	-	R	-	R	-
23.2	Disposal of surplus or unsuitable material including haulage up to 10km from site.	m³	8	R	-	R	-	R	-	R	-
24.0	Lump sum allowance for any items not included in this schedule necessary to complete the installation in accordance with the specification and drawings. Brief description of such items to be entered hereunder.	Sum	1	R	-	R	-	R	-	R	-
Totals to Price Summary Item 1.3						R	-			R	-

BILL 2.1: PRELIMINARY AND GENERAL ITEMS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL		LABOUR	
				RATE	TOTAL	RATE	TOTAL
<u>Note:</u>	These P&G Items is for Year 1 (2025/26) only. That for Year 2 (2026/27) is included under Bill 2.1. Care to be taken to not duplicate P&G costs.						
1.0	<u>Fixed Charge Items</u>						
1.1	Contractual requirements (Provision of 10% Performance Bond, Insurance of Works, etc.).	Sum	1	R	-	R	-
1.2	Establish facilities on site:						
1.2.1	Office and storage sheds.	Sum	1	R	-	R	-
1.2.2	Workshops.	Sum	1	R	-	R	-
1.2.3	Ablutions and latrines.	Sum	1	R	-	R	-
1.2.4	Tools and equipment.	Sum	1	R	-	R	-
1.2.5	Water supply, electrical power, telephone and access.	Sum	1	R	-	R	-
1.3	Remove site establishment upon completion of contract.	Sum	1	R	-	R	-
1.4	Allowances:						
1.4.1	For the preparation and submission of a construction programme to the Engineer as required in the documents.	Sum	1	R	-	R	-
1.4.2	For the submission of construction drawings to the Engineer for approval as required in the documents.	Sum	1	R	-	R	-
1.4.3	For three (3) sets of test certificates to be submitted to Engineer on hand-over.	Sum	1	R	-	R	-
1.4.4	For instructions to maintenance staff of operating and maintenance procedure.	Sum	1	R	-	R	-
1.4.5	Project Notice Board (one per town) as per Drawing No. 10625/E/01.	Sum	0	R	-	R	-
1.4.6	Project Notice Board Support Structure Detail as per Drawing No. 10625/E/02.	Sum	0	R	-	R	-
1.4.7	For compliance with the requirements of the Occupational Health and Safety Act Construction Regulations.	Sum	1	R	-	R	-
1.4.8	Liaison and co-ordination with Kouga Municipality for the duration of the contract.	Sum	1	R	-	R	-
2.0	<u>Time Related Items</u>						
2.1	Contractual requirements, i.e. insurances, etc.	Sum	1	R	-	R	-
2.2	Accommodation and / or living out expenses for the duration of the	Sum	1	R	-	R	-
2.3	Travelling charges for the duration of the contract.	Sum	1	R	-	R	-
2.4	Supervision and provision of facilities and attendance of site meetings.	Sum	1	R	-	R	-
2.5	Allowance to publically advertise for a local CLO (Community Liason Officer), one per town, for the duration of the contract, as specified.	Sum	6	R	-	R	-

BILL 2.1: PRELIMINARY AND GENERAL ITEMS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL		LABOUR	
				RATE	TOTAL	RATE	TOTAL
2.6	Allowance to appoint a local CLO (Community Liason Officer), one per town, for the duration of the contract.	Sum	6	R	-	R	-
2.7	Allowance to fully comply with the Municipality's requirements for Preferential Procurement, Subcontracting, Sanctions, Monitoring / Reporting and Contractor's Obligations to Subcontracted EE's, etc. as specified under Clause No's 11.0 to 17.0 of Part C3.1, General Project Specification, for the duration of the contract.	Sum	1	R	-	R	-
2.8	Operate and maintain facilities on site:						
2.8.1	Office and storage sheds.	Sum	1	R	-	R	-
2.8.2	Workshops.	Sum	1	R	-	R	-
2.8.3	Ablutions and latrines.	Sum	1	R	-	R	-
2.8.4	Tools and equipment	Sum	1	R	-	R	-
2.8.6	Water supply, electrical power, telephone and access.	Sum	1	R	-	R	-
3.0	<u>Day work</u>						
	The following rates are for variations to the contract, as directed by the Engineer, and are for work not covered by rates in the schedules. The total cost will be adjusted in the final account in accordance with the variation orders issued.						
3.1	Labour, Normal Time:						
3.1.1	Installation Electrician and Labourer.	hour	10	R	-	R	-
3.1.2	Artisan Electrician and Labourer.	hour	10	R	-	R	-
3.1.3	Labourer.	hour	10	R	-	R	-
3.2	Labour, Normal Overtime:						
3.2.1	Installation Electrician and Labourer.	hour	10	R	-	R	-
3.2.2	Artisan Electrician and Labourer.	hour	10	R	-	R	-
3.2.3	Labourer.	hour	10	R	-	R	-
3.3	Labour, Sundays and Public Holidays:						
3.3.1	Installation Electrician and Labourer.	hour	10	R	-	R	-
3.3.2	Artisan Electrician and Labourer.	hour	10	R	-	R	-
3.3.3	Labourer.	hour	10	R	-	R	-
3.4	Transport:						
3.4.1	Private car or light delivery vehicle.	km	10	R	-	R	-
3.4.2	5 tonne truck.	km	10	R	-	R	-
3.4.3	10 tonne truck.	km	10	R	-	R	-
3.4.4	10 tonne truck with crane.	hour	10	R	-	R	-
3.4.5	5 tonne mobile crane.	hour	10	R	-	R	-
4.0	Lump sum allowance for any items not included in this schedule, but deemed necessary by the Tenderer, to complete the installation in accordance with the specification and drawings. Brief description of such items to be entered hereunder.	Sum	1	R	-	R	-
Totals to Price Summary Item 2.1					R	-	R

BILL 2.2: SOLAR POWERED HIGH MAST FLOOD LIGHT INSTALLATIONS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL				LABOUR			
				RATE		TOTAL		RATE		TOTAL	
	<u>Notes:</u>										
(i)	All rates must be exclusive of VAT.										
(ii)	All items to include for the supply and delivery thereof, unless specified otherwise.										
(iii)	All quantities are provisional.										
1.0	Mark-out and finalise high mast flood light position in conjunction with Municipality.	Sum	2	R	-	R	-	R	-	R	-
2.0	Allowance for Professional Land Surveyor survey and peg on site four (4) erf and/or road reserve boundaries per mast.	No.	8	R	-	R	-	R	-	R	-
3.0	Test soil to verify foundation requirement for each mast.	Sum	2	R	-	R	-	R	-	R	-
4.0	Excavate hole for concrete foundation of mast:										
4.1	Earth	No.	0,5	R	-	R	-	R	-	R	-
4.2	Hard Earth	No.	0,5	R	-	R	-	R	-	R	-
4.3	Rock	No.	1	R	-	R	-	R	-	R	-
5.0	Earthing of mast, incl. approx. 20m of 70mm ² bare copper earth conductors, complete as specified.	Sum	2	R	-	R	-	R	-	R	-
6.0	Concrete foundation for high mast flood light, incl. holding down bolts, steel, etc. complete as specified.	No.	2	R	-	R	-	R	-	R	-
7.0	Test cube strength of concrete.	Sum	2	R	-	R	-	R	-	R	-
8.0	Hot dip galvanised steel high mast, 20m mounting height, incl. access ladder, maintenance tools, etc. complete as specified, but excluding the PV panel, panel structure, flood lights and battery storages components measured separately hereunder.	No.	2	R	-	R	-	R	-	R	-
9.0	LED Luminaire, incl. housing etc. The number of luminaires per mast to be based on the Tenderer's offer in order to comply with the specified output requirements.	Sum	2	R	-	R	-	R	-	R	-
10.0	Photovoltaic (PV) Panel Structure, incl. PV panels. The size of the structure and the total number of panels per mast to be based on the Tenderer's offer in order to comply with the specified output requirements.	Sum	2	R	-	R	-	R	-	R	-

BILL 2.2: SOLAR POWERED HIGH MAST FLOOD LIGHT INSTALLATIONS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL				LABOUR			
				RATE		TOTAL		RATE		TOTAL	
11.0	Power Storage Devices (battery packs). The total number of battery packs per mast to be based on the Tenderer's offer in order to comply with the specified output requirements.	Sum	2	R	-	R	-	R	-	R	-
12.0	Charge controller. The total number of charge controllers per mast to be based on the Tenderer's offer in order to comply with the specified output requirements.	Sum	2	R	-	R	-	R	-	R	-
13.0	Assembly, erection and installation of high mast on concrete foundation, incl. hiring and usage of crane, excl. foundation measured elsewhere.	No.	2	R	-	R	-	R	-	R	-
14.0	Label all cables in high mast flood light.	Sum	2	R	-	R	-	R	-	R	-
15.0	Set luminaire aiming positions, test illumination levels and submit test results to engineer.	Sum	2	R	-	R	-	R	-	R	-
16.0	Warning light and independent power supply.	Sum	2	R	-	R	-	R	-	R	-
17.0	Provide Electrical Certificate of Compliance (COC) on completion of testing and commissioning.	Sum	2	R	-	R	-	R	-	R	-
18.0	Extra over Item No. 4.0 for:										
18.1	Imported backfill material from off-site source.	m ³	2	R	-	R	-	R	-	R	-
18.2	Disposal of surplus or unsuitable material including haulage up to 10km from site.	m ³	2	R	-	R	-	R	-	R	-
19.0	Lump sum allowance for any items not included in this schedule necessary to complete the installation in accordance with the specification and drawings. Brief description of such items to be entered hereunder.	Sum	1	R	-	R	-	R	-	R	-
Totals to Price Summary Item 2.2						R	-			R	-

BILL 2.3: GRID-TIED HIGH MAST FLOOD LIGHT INSTALLATIONS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL				LABOUR			
				RATE		TOTAL		RATE		TOTAL	
	<u>Notes:</u>										
(i)	All rates must be exclusive of VAT.										
(ii)	All items to include for the supply and delivery thereof, unless specified otherwise.										
(iii)	All quantities are provisional.										
1.0	Mark-out and finalise high mast flood light position in conjunction with Municipality.	Sum	6	R	-	R	-	R	-	R	-
2.0	Allowance for Professional Land Surveyor survey and peg on site four (4) erf and/or road reserve boundaries per mast.	No.	24	R	-	R	-	R	-	R	-
3.0	Test soil to verify foundation requirement for each mast.	Sum	6	R	-	R	-	R	-	R	-
4.0	Excavate hole for concrete foundation of mast:										
4.1	Earth	No.	2	R	-	R	-	R	-	R	-
4.2	Hard Earth	No.	2	R	-	R	-	R	-	R	-
4.3	Rock	No.	2	R	-	R	-	R	-	R	-
5.0	Earthing of mast, incl. approx. 20m of 70mm ² bare copper earth conductors, complete as specified.	Sum	6	R	-	R	-	R	-	R	-
6.0	Concrete foundation for high mast flood light, incl. holding down bolts, steel, etc. complete as specified.	No.	6	R	-	R	-	R	-	R	-
7.0	Test cube strength of concrete.	Sum	6	R	-	R	-	R	-	R	-
8.0	Hot dip galvanised high mast flood light, with 30m mounting height, complete including luminaire carriage, hoisting mechanism, lightning spike, etc. as specified.	No.	6	R	-	R	-	R	-	R	-
9.0	LED flood light luminaire, complete as specified, mounted on carriage at top of high mast flood light.	No.	54	R	-	R	-	R	-	R	-
10.0	Assembly, erection and installation of high mast on concrete foundation, incl. hiring and usage of crane, excl. foundation measured elsewhere.	No.	6	R	-	R	-	R	-	R	-
11.0	High mast flood light distribution board, complete as specified and installed behind the access door inside the mast, and including internal equipment, photocell, etc.	Sum	6	R	-	R	-	R	-	R	-
12.0	Label all cables in high mast flood light.	Sum	6	R	-	R	-	R	-	R	-

BILL 2.3: GRID-TIED HIGH MAST FLOOD LIGHT INSTALLATIONS

ITEM	DESCRIPTION	UNIT	QTY	MATERIAL				LABOUR			
				RATE		TOTAL		RATE		TOTAL	
13.0	Set luminaire aiming positions, test illumination levels and submit test results to engineer.	Sum	6	R	-	R	-	R	-	R	-
14.0	Cabling in high mast flood light between the distribution board and flood light luminaires, including connectors, IP65 splitter box, terminations, connections,	Sum	6	R	-	R	-	R	-	R	-
15.0	Label cables in high mast flood light.	Sum	6	R	-	R	-	R	-	R	-
16.0	Set luminaire aiming positions and test illumination levels and submit test result to engineer.	Sum	6	R	-	R	-	R	-	R	-
17.0	Portable single drum raising and lowering device (winch) complete with stainless steel rope and winch handles.	No.	2	R	-	R	-	R	-	R	-
18.0	Hydraulic power tool complete with variable speed hydraulic motor, an electric motor and 3m long cable for remote control.	No.	2	R	-	R	-	R	-	R	-
19.0	5m Test lead as specified for testing flood light luminaires at ground level.	No.	6	R	-	R	-	R	-	R	-
20.0	Warning light and independent power supply.	Sum	6	R	-	R	-	R	-	R	-
21.0	Provisional Sum for mains LV supply to each mast, as specified. Tenderer to include breakdown and rates of each item, as specified.	Sum	6	R	-	R	-	R	-	R	-
22.0	Provide Electrical Certificate of Compliance (COC) on completion of testing and commissioning.	Sum	6	R	-	R	-	R	-	R	-
23.0	Extra over Item No. 4.0 for:										
23.1	Imported backfill material from off-site source.	m ³	6	R	-	R	-	R	-	R	-
23.2	Disposal of surplus or unsuitable material including haulage up to 10km from site.	m ³	6	R	-	R	-	R	-	R	-
24.0	Lump sum allowance for any items not included in this schedule necessary to complete the installation in accordance with the specification and drawings. Brief description of such items to be entered hereunder.	Sum	1	R	-	R	-	R	-	R	-
Totals to Price Summary Item 2.3						R	-			R	-

PRICE SUMMARY

ITEM	DESCRIPTION	MATERIAL		LABOUR	
1.0	<u>YEAR 1 - 2025/26</u>				
1.1	BILL 1.1: PRELIMINARY AND GENERAL ITEMS	R	-	R	-
1.2	BILL 1.2: SOLAR POWERED HIGH MAST FLOOD LIGHT INSTALLATIONS	R	-	R	-
1.3	BILL 1.3: GRID-TIED HIGH MAST FLOOD LIGHT INSTALLATIONS	R	-	R	-
2.0	<u>YEAR 2 - 2026/27</u>				
2.1	BILL 2.1: PRELIMINARY AND GENERAL ITEMS	R	-	R	-
2.2	BILL 2.2: SOLAR POWERED HIGH MAST FLOOD LIGHT INSTALLATIONS	R	-	R	-
2.3	BILL 2.3: GRID-TIED HIGH MAST FLOOD LIGHT INSTALLATIONS	R	-	R	-
3.0	SUB-TOTALS	R	-	R	-
4.0	NET AMOUNT, excl. VAT.			R	-
5.0	CONTINGENCY SUM			R	300 000,00
5.1	Tenderer's mark-up on Contingency Sum - 0%			R	-
6.0	PROVISIONAL SUM			R	400 000,00
6.1	For CPA Allowance in Year 2 (2026/27)				
6.2	Tenderer's mark-up on Provisional Sum 0%			R	-
7.0	TOTAL NET AMOUNT, excl. VAT			R	700 000,00
8.0	ADD VAT @ - 15%			R	105 000,00
9.0	TOTAL GROSS TENDER AMOUNT, incl. VAT, TO BE CARRIED FORWARD TO FORM OF OFFER AND ACCEPTANCE IN PART C1.1 HEREOF			R	805 000,00
Name of Tenderer:					
Signature of Tenderer:				Date:	
Address:					
.....					
.....					
Tel. No:					
E-mail Address:					

PART C3 – SCOPE OF WORK

C3.1 GENERAL PROJECT SPECIFICATION

1.0 GENERAL

This tender includes for the supply, delivery to site, off-loading, storage, installation, commissioning, testing and handing over in full working order of eleven (11) high mast installations during the 2025/26 financial year. Three (3) installations shall be of the solar powered type and the balance of eight (8) installations shall be of the grid-tied type.

The exact position of each mast is yet to be finalised, but will all be located within the Kouga Municipal Area.

The tender further includes another eight (8) high mast flood light installations during the 2026/27 financial year. This will be subject to the availability of funding at that stage. For tendering purposes, allowance has been made for two (2) solar powered installations and six (6) grid-tied installations during the 2026/27 year.

Tenderers must allow for all items, whether specified or not, required to complete the installation in a neat and workmanlike manner, according to the true intent of this Document.

The Tenderer shall make allowance in Part C2.2, Bills of Quantities, for a Professional Land Surveyor to survey and peg on site four (4) erf and/or road reserve boundaries per each mast position, which shall be required to finalise each position, before construction commences.

2.0 PROJECT DESCRIPTION

The areas identified for the 2025/26 financial year are as follows:

Three (3) solar powered high mast installations:

- Hankey (Weston)
- Patensie (Ramaphosa Village)
- Thornhill (Thoksville)

Eight (8) grid-tied high mast installations:

- Humansdorp (Jeugkamp)
- Humansdorp (Extension 391)
- Humansdorp (Arcadia, Bo Blok)
- Humansdorp (Kwanomzamo, Shukushukuma)
- Humansdorp (Kwanomzamo, Vergenoeg)
- St. Francis Bay (Sea Vista)
- Jeffreys Bay (No. 10 Rand)
- Oyster Bay

The areas for the 2026/27 financial year are still to be finalised.

3.0 SITE INFORMATION

The final position of each mast will be confirmed together with the successful Tenderer on appointment.

The Contractor shall notify the Directorate: Infrastructure & Engineering of the anticipated delivery of the equipment at least fourteen (14) days before the expected arrival time, to enable the necessary arrangements to be made.

4.0 **NATURE OF CONTRACT**

The conditions of contract will be the General Conditions of Contract (GCC) for Construction Works, Third Edition (2015), as amended and described in Part C of this document.

Tenderers must carefully study and understand the entire contents of this document and all annexures, and particularly the Contract Data, Part C1.2 which contains vital information peculiar to this contract.

5.0 **PROGRAMME AND COMPLETION**

The time for achieving Practical Completion measured from the Contract Commencement Date is:

- Year 1 (2025/26) – 17 working weeks.
- Year 2 (2026/27) – 16 working weeks.

The successful tenderer will be responsible for drawing up his/her own programme in which he/she must consider the delivery dates of equipment / materials / plant required and indicate exactly how the above-mentioned completion programme will be met. The programme shall be submitted to the Engineer within two weeks after acceptance of tender.

6.0 **PROJECT NOTICE BOARD**

A project notice board, constructed in accordance with the details provided under Annexure A, is to be provided by the Contractor as part of the contract and erected in the position indicated by the engineer on site. The wording shall be approved prior to sign writing. Allowance have been made for seven (7) project boards, one per area.

The boards shall remain in place until the end of the defects' liability period at which time it shall be removed by the Contractor.

7.0 **SITE STAFF**

The Contractor shall always have a competent supervisor on site when work is being carried out under this contract. Such supervisor shall be fully conversant with the equipment and materials being installed.

The Contractor shall further comply with Clause No's 4.10, 4.11 and 4.12 of GCC 2015 contractual conditions.

8.0 **SITE FACILITIES**

The Contractor shall be responsible for negotiating with the Employer to obtain a location for erection of his/her site office and storage yard, if required. The Contractor shall also arrange for the supply of water, electricity, and telephone services to this site at his own costs.

Latrine facilities will be required and must be in accordance with the local Health Department's regulations. The Contractor shall further comply with all Environmental requirements.

9.0 CLEARANCES WITH OTHER SERVICES

It shall be the Electrical Contractor's responsibility to obtain all necessary drawings and information from the Municipality and Telkom regarding existing and new overhead power and telephone lines to ensure that no damage occurs to the existing services during the installation of electrical services, and also to ensure that all necessary clearances with existing and future plant are maintained.

The Contractor shall familiarise himself with all existing services and liaise with all relevant authorities for the location and detection of existing services. The Contractor shall also use all necessary means to locate and expose services without damage to such services.

10.0 KOUGA SUPPLY CHAIN MANAGEMENT POLICY

Tenders will be adjudicated in terms of Kouga Municipality's Supply Chain Management Policy of 30 May 2014. A copy of this document is available at the Municipality and on the Kouga website.

11.0 PREFERENTIAL PROCUREMENT

11.1 Requirements

Refer to Clauses C2.23 and C3.11.1 of the Tender Data, Part T1.2, and the Preferencing Schedule: Broad Based Black Economic Empowerment Status, Part T2.2.11, in terms of the Preferential Procurement Regulations 2022 (80/20 version).

11.2 Resources Standards pertaining to targeted procurement

Tenders will be evaluated in terms of the Employer's Procurement Points system. The criteria for allocation of procurement points are stated in Clauses C2.23 and C3.11.1 of the Tender Data.

12.0 SUBCONTRACTING

12.1 Scope of mandatory subcontract works.

The Contractor shall note that the Employer is committed to local Emerging Enterprise development and this forms part of this.

The sub-contracting of work is required for all CIDB-related projects in the following ranges:

- a) R 5M >, but < R 10M requires Bidder to sub-contract 10% of the value of the project
- b) R 10M >, but < R 15M requires Bidder to sub-contract 15% of the value of the project
- c) R 15M >, but < R 20 requires Bidder to sub-contract 20% of the value of the project
- d) R 20M >, but < R 30M requires Bidder to sub-contract 25% of the value of the project
- e) R 30M > requires Bidder to sub-contract 30% of the value of the project

The sub-contracting value will be based on the estimated value of the project either determined by the director or project manager.

Where the successful bidder's price falls within any other range, the sub-contracting range included in the Bid Document will be applied.

The municipality may include sub-contracting for any other none CIDB related project as may be requested by the Director of the Department to promote local development.

Community Based Suppliers or service providers/ward-based suppliers or service providers must be considered for subcontracting by the main contractor. The first preference for subcontracting must be given to community or ward-based suppliers of that particular ward where the project is taking place. If the required skill or expertise is not available from the ward / area where the project is taking place, the main contractor is permitted to accept service providers or suppliers within the KLM jurisdiction. Those service provider or suppliers would then contract directly with the main contractor.

12.2 Preferred subcontractors / suppliers

Local Emerging Enterprises registered on the Kouga Local Municipality Database and/or nominated by the municipality.

12.3 Subcontracting procedures

All matters pertaining to subcontractors and the work executed by them shall be dealt with directly between the Employer's Agent and the Contractor in the context of all subcontract work being an integral part of the Works for which the Contractor is responsible.

Subcontractors shall comply in full to all aspects of the Contract.

The Employer's Agent will not liaise directly with any subcontractors, nor will he issue instructions concerning the subcontract works directly to any subcontractor.

The Contractor shall remain responsible for providing the subcontracted portion of the works as if the work had not been subcontracted.

Subcontractors shall comply in full, to all aspects of the Contract.

12.4 Attendance on subcontractors

The Contractor shall guide, assist, advise and mentor the local EE subcontractor/s and guidance on how to establish and determine rates.

The Contractor shall be responsible for ensuring that the prospective local EE subcontractor/s fully comprehend the:

- Implications of the liabilities and responsibilities inherent in the contract into which the tenderer entered.
- Implications of the tendered rates.
- Scope and extent of the Works.
- Proper procedures for the submission of a tender.
- Procedures and basis on which tenders will be evaluated and awarded.

The Contractor shall closely manage, mentor, supervise, guide and assist the EE in all aspects of management, planning, execution and the completion of work.

The above shall include inter alia, but is not limited to, the following:

- (i) Planning and programming of the Works.
- (ii) The sourcing, ordering, purchasing, hiring all the necessary Construction Equipment, Materials, tools and accidentals necessary and required for the successful execution and completion of the Permanent as well as the Temporary Works.
- (iii) Labour relations and employment.
- (iv) Monthly measurements, costing and invoicing.

- (v) General safety, occupational health and safety matters.
- (vi) Functions of civil Employer's Agenting infrastructure, structures, services and systems.
- (vii) Interpreting and understanding the contract.
- (viii) Construction and maintenance methods and procedures.
- (ix) Communication.
- (x) Cash-flow control, submitting invoices and payment certificates.
- (xi) Planning, programming, scheduling, critical path control and acceleration.
- (xii) Maintenance planning.
- (xiii) Material procurement and control.
- (xiv) Risk limitation and management.
- (xv) Quality assurance and procedures.
- (xvi) Compliances with all applicable laws, regulations, statutory provisions and agreements.
- (xvii) General Conditions of Contract and Contract Data.
- (xviii) Contractual claims, if situations arise that entitle a contractor to claims in terms of the Conditions of Contract.
- (xix) Profit and loss.
- (xx) Replacement and running costs of Construction Equipment.

The extent and level of management, mentorship, supervision, guidance and assistance to be provided by the Contractor shall be in commensuration with the expertise of the relevant EE and should be so directed as to enable the EE to achieve the successful execution and completion of the respective works.

13.0 **SANCTIONS**

In the event that the Tenderer fails to substantiate that any failure to achieve the Contract Participation Goal (CPG) outcomes was due to quantitative under runs, the elimination of items, or any other reasons beyond the Contractor's control which may be acceptable to the Employer, the Contractor shall be liable to pay to the Employer a financial penalty calculated in the following manner:

$$P = \frac{0,50 \times (D - D_o) \times NA}{100}$$

, where D = tendered Contractor participation goal percentage.

D_o = the Contract Participation Goal, which the Employer's Representative based on the credits passed, certifies as being achieved upon completion of the contract.

NA = Net Amount of the Tender.

P = Rand value of penalty payable.

The penalties will be calculated with each certificate, based on the information provided under the monitoring indicated in clause 14.0 below.

14.0 **MONITORING / REPORTING**

The reporting requirements below will be adhered to.

CPG attainment will be monitored on a monthly basis, and for this the Contractor will supply the relevant information at a time set by the Employer's Agent.

- 14.1 The Contractor shall submit all the documentation required in terms of details of his plan to achieve CPG, compliance with the contract and 14.2 timeously and, together with his programme of activities, a schedule which indicates clearly the expected commencement and completion dates of work and services to be performed by all the targeted enterprises engaged on the contract for the purpose of securing credits towards the contract participation goal. This schedule shall be updated by the Contractor whenever a change in date occurs.
- 14.2 The Contractor shall prepare and attach to his claim for payment, in a form approved by the Employer, the following:
- a) a brief report which describes the commercially useful functions performed by the targeted enterprises in the performance of the contract, both over the interim period and on a cumulative basis;
 - b) a schedule reflecting the estimated total value of the contracts, the cumulative value of the contracts and the value of supplies provided or work and services performed (or both) over the period for which payment is claimed in respect of each and every targeted enterprise performing commercially useful functions;
- 14.3 Should random inspections conducted by the Employer's Agent on targeted enterprise activities indicate that such enterprises are not performing in accordance with the requirements of this part, the Contractor shall provide, in addition to the requirements of 14.2, separate weekly resource returns and any other relevant information in respect of such targeted enterprises in a format approved by the Employer's Agent.
- 14.4 The Employer's Agent shall certify the value of the credits counted towards the contract participation goal whenever a claim for payment is issued to the employer and shall notify the Contractor of this amount.
- 14.5 The Contractor shall, upon completion of each individual targeted enterprise's contract, issue a completion certificate and certify the amount paid to such targeted enterprises. He shall submit the certificates, counter-certified by the relevant targeted enterprise, to the Employer's Agent for record-keeping purposes. The Contractor shall furnish reasons to the Employer whenever it is not possible to obtain such counter certification.

15.0 **CONTRACTOR'S OBLIGATIONS TO SUBCONTRACTED EEs**

15.1 Dispute Avoidance and Resolution Procedures

The Contractor shall at all times

- (a) apply the terms and conditions of the subcontract fairly and justly, taking due cognisance of the level of sophistication and experience of the EE subcontractor concerned.
- (b) closely monitor all EE subcontracts and issue reasonable warnings when any contravention of the terms of the subcontract has occurred or appears likely to occur. The Contractor shall give EEs reasonable opportunity to avoid or make good any such contravention.

When taking any disciplinary actions or imposing any penalties provided for in the subcontract, the Contractor shall explain fully that such actions are in accordance with the conditions of subcontract.

Should any dispute arise between the Contractor and an EE, such dispute shall be resolved in accordance with the provisions of the subcontract.

Should an EE subcontractor be terminated, the Contractor shall replace such subcontractor with a local EE subcontractor listed on the KLM database.

15.2 Quality of Work and Performance of EE subcontractors

If, in the opinion of the Employer's Agent, an EE Subcontractor fails to comply with any of the criteria listed below, he/she shall issue a written warning to the Contractor stating all the areas of non-compliance.

- (a) Acceptable standard of work as set out in the subcontract specifications.
- (b) Progress in accordance with the time constraints in the subcontract.
- (c) Site safety.

The circumstances that may warrant the issue of a written warning are, however, not limited to those listed above. A copy of the letter of warning shall be forwarded to the Employer.

16.0 **ISSUING OF COMPLETION CERTIFICATE**

The Contractor shall, within 7 days of the completion of each subcontract completed in accordance with the provisions of this specification, issue free of charge to the EE a Certificate of Completion co-signed by the Employer's Agent and a senior representative of the Contractor who has been duly authorised to do so.

17.0 **MEASUREMENT AND PAYMENT**

No direct payment will be made for the cost of dealing with EE's. Payment will be deemed to be covered by the rates and sums tendered and paid for the various items of work included under the contract.

18.0 **CONSTRUCTION AND "AS-BUILT" DRAWINGS AND MANUALS**

The Electrical Contractor shall submit to the Engineer, within one month after appointment, construction drawings of all work to be undertaken under this project.

Before the date of the issue of the Certificate of Completion, the Electrical Contractor shall hand-over to the Engineer three sets of electronic and hard copies of "As-Built" of the above-mentioned drawings. These drawings shall be complete in all respects, together with operational and maintenance manuals, test certificates, commissioning report, etc, where relevant. The manual shall include a description of the works, operating instructions, manufacturer's pamphlets, and catalogues on all the equipment supplied and a spares list for the same equipment.

These drawings shall clearly show, with measurement relative to the various structures where applicable, all cable routes and positions of cable markers, final details of all circuits, and revised schedules of equipment etc. The Contract will not be considered complete until these drawings and manuals have been received.

19.0 **DAMAGE TO STRUCTURES**

The Electrical Contractor shall be responsible for the making good of damage caused by his / her staff to any part of the structures / equipment. In the event of the occurrence of damage he/she shall arrange the repair of such damage to be carried out at his / her own expense to the satisfaction of the Engineer and Employer.

C3.2 HEALTH AND SAFETY

1.0 GENERAL

The principal Contractor and Contractors are required to adhere to the provisions of the Occupational Health and Safety Act, 1993 (Act No. 85 of 1993), as amended, and including the Construction Regulations 2014, as amended, forming part thereof. For the purposes of this part of the document, the terms principal Contractor and Contractor, and Client, shall have the meanings as defined in the abovementioned Regulations.

The principal Contractor, or Contractor shall undertake all the duties and activities required of him in terms of the abovementioned regulations. These may include but not necessarily be limited to the following:

- Notification of construction work.
- Preparation, liaison with and submission to the Client, and implementation and maintenance of a suitable and sufficiently documented health and safety plan which must include and involve all Contractors under a principal Contractor's control.
- Liaison and cooperation with all other Contractors.
- Supervision of construction work, including appointment of a construction supervisor in terms of the Regulations.
- Risk assessment.
- Fall protection.
- Structures, formwork and support work, excavation work, demolition work, scaffolding and suspended platforms, hoists of any type, and explosive powered tools.
- Electrical installations and machinery on construction sites.
- Use and storage of flammable liquids, water hazards, general housekeeping and stacking and storage, as well as fire precautions.

2.0 HEALTH AND SAFETY INFORMATION

The design described in this document has taken into account the hazards to persons which may occur during construction, commissioning and subsequent use and maintenance. However, the nature of the work is such that certain hazards are unavoidable and will be prevalent during the above operations and these must be taken into account by the Contractor when preparing and implementing the health and safety plan.

In order to assist the Contractor, certain hazards and aspects of health and safety are identified in this document and on the drawings and a Hazard Identification List is provided below to inform the Contractor of any known or anticipated dangers or hazards relating to the design or construction work. The information is provided in order to assist the Contractor to analyse and evaluate the risks and does not, in any way, relieve the Contractor of his/her responsibilities in terms of health and safety.

3.0 HEALTH AND SAFETY PLAN

The Contractor shall be deemed to have read and fully understood the requirements of the above Act and Regulations and to have allowed for all costs in compliance therewith.

The Contractor shall prepare a Health and Safety Plan in respect of the Works in accordance with the Act and Regulations, which shall cover inter-alia the following details:

- Management Structure, Site Supervision and Responsible Persons including a succession plan.
- Contractor's induction training programme for employees, sub-contractors and visitors to the Site.
- Health and safety precautions and procedures to be adhered to in order to ensure compliance with the Act, Regulations and Safety Specifications.
- Regular monitoring procedures to be performed.
- Regular liaison, consultation and review meetings with all parties.
- Site security, welfare facilities and first aid.
- Site rules and fire and emergency procedures.

The Contractor is required to ensure that all sub-contractors or others engaged in the performance of the contract also comply with the above requirements.

4.0 **HEALTH AND SAFETY CONDITIONS**

The Chief Executive Officer of the Contractor shall assume the responsibility in terms of Section 16(1) of the Occupational Health and Safety Act (as amended). Should the Contractor assign any duty in terms of Section 16(2), a copy of such assignment shall immediately be provided to the representative of the Employer as defined in the Contract.

All work performed on the Employer's premises shall be performed under the supervision of the construction supervisor who understand the hazards associated with any work that the Contractor performs on the site in terms of Construction Regulations 2014.

The Contractor shall appoint a Competent Person who shall be trained on any occupational health and safety aspect pertaining to them or to the work that is to be performed.

The Contractor shall ensure that he familiarises himself with the requirements of the Occupational Health and Safety Act and that he, his employees, and any sub-contractors, comply with them.

Discipline in the interests of occupational health and safety shall be strictly enforced.

Personal protective equipment shall be issued by the Contractor as required and shall be worn at all times where necessary.

Written safe work procedures and appropriate precautionary measures shall be available and enforced, and all employees shall be made conversant with the contents of these practices.

No substandard equipment/machinery/articles or substances shall be used on the site.

All incidents referred to in terms of Section 24 of the Occupational Health and Safety Act shall be reported by the Contractor to the Department of Labour and the Employer.

The Employer hereby obtains an interest in the issue of any formal inquiry conducted in terms of Section 32 of the Occupational Health and Safety Act and into any incident involving a Contractor and/or his employees and/or his sub-contractor/s.

No use shall be made of any of the Employer's machinery / plant / equipment / substance / personal protective equipment or any other article without prior arrangement and written approval.

No alcohol or any other intoxicating substance shall be allowed on the site. Any person suspected of being under the influence of alcohol or any other intoxicating substance shall not be permitted access to, or allowed to remain on the site.

Prior to commencement of any work, verified copies of all documents mentioned in the agreement, must be presented to the Employer.

5.0 **HEALTH AND SAFETY HAZARD IDENTIFICATION LIST**

The following list highlights items identified as presenting a hazard or danger to persons during construction and commissioning:

Item	Hazard Description	Applicable to the Project Yes / No / N/A	Hazard Rating (Low, Medium, High) *	Comment / Recommendation
	Are there any specific client H&S requirements for the work?	Yes	High	The work will be undertaken in close vicinity of live 11kV and 22kV overhead power lines. All regulatory requirements in this regard shall be adhered to.
	Have site archaeological issues been identified and evaluated (might be of historical importance)	N/A		
	Has a geotechnical survey been carried out, and if so do the results indicate hazards which require control measures?	N/A		
	Is the site adjacent to or over public transport (railways, taxi ranks, bus stops etc.)?	No		
	Is the site adjacent to or over water (eg. rivers, dams, sea, canals)?	No		
	Is the site adjacent to, over or under any services or drains etc.(eg. high voltage cables, municipal sewer lines)?	Yes	High	The work will be undertaken in close vicinity of live 11kV and 22kV overhead power lines.
	Is the site adjacent to, over or under any public buildings such as schools and hospitals?	No		
	Are there any other local hazards such as overhead power cables?	Yes	High	The work will be undertaken in close vicinity of live 11kV and 22kV overhead power lines.
	Will the ground contours present any construction problems?	Np		
	Is there any asbestos removal involved?	No		
	Will excavation be close to live electrical cables or pressure pipes?	No		
	Will any excavation works take place?	Yes	Medium	Holes for mast foundations and trenching for LV underground cables.
	Will any work be carried out close to live electrical apparatus?	Yes	High	The work will be undertaken in close vicinity of live 11kV and 22kV overhead power lines.
	Is there confined space or tank entry work involved?	No		
	Will any steel erection works be taking place?	No		
	Will tower cranes be used or heavy lifting operations taking	Yes		

C3.2.4

Item	Hazard Description	Applicable to the Project Yes / No / N/A	Hazard Rating (Low, Medium, High) *	Comment / Recommendation
	place?			
	Will mobile work platforms, cradles or abseiling be necessary?	No		
	Is the access to the site adequate for vehicles and pedestrians? Are there any special arrangements and/or requirements?	Yes	Low	
	Will the public have access to the site?	Yes		
	Have arrangements been made or co-ordinated for temporary electric supplies?	N/A		
	Have site lighting needs been identified for all stages of the work?	N/A		
	Will any accommodation/ office units be located inside an existing structure?	No		
	Have arrangements been made or co-ordinated for temporary supplies such as water and sewage disposal?	N/A		
	What is the type of roof construction? Evaluate fall hazards	NA		
	Are there any 'Hot Works' to be undertaken?	No		
	Are electrical items to be installed?	Yes	Medium	Solar equipment, LV underground cables & connections
	Will there be any lift installation works?	No		
	Will there be any escalators to install?	No		
	Is the project a fire risk?	No		
	Have all environmental issues been evaluated and controlled?	N/A		
	Are there any specific fall protection hazards not already assessed?	N/A		
	Are there any additional hazards which have been identified as being site specific and which are not covered by the foregoing? If YES, note here:	No		

- * The hazard rating considers the likely level of consequence (injury/death) to which workers are exposed, the likely number of workers exposed to the hazard, and the probability of occurrence on the site.

C3.3 PROJECT TECHNICAL SPECIFICATION

1.0 GENERAL

This part of the specification deals with the main items of material and equipment which will be the Contractor's responsibility to supply and install in accordance with this document and the drawings.

Sufficient information is provided in this document to enable the tenderer to accurately price the work. Tenderers must allow for all items, whether specified in detail or not, required to complete the installation in a neat and workmanlike manner. Tenderers to include in their tender typical drawings of the mast arrangements offered.

2.0 SUPPLY AUTHORITY

The Supply Authority for the area is Kouga Municipality and the installation shall fully comply with their requirements.

3.0 HIGH MAST DESIGN

3.1 Construction of Masts

The total height of the masts above final ground level will be as follows:

- Solar powered high mast – Not less than 20m.
- Grid-tied high mast – Not less than 30m.

A deviation in ground levels should be considered in the design of the plinth. It is therefore essential that the Tenderer acquaint himself with site conditions before submitting his offer.

The masts shall be constructed from hot dip galvanised conical sections which, when assembled, will form a tapered column of circular cross section.

The masts shall be of lightweight construction and a base plate shall be welded to the bottom end of the lowest section with the correct quantity of suitably drilled holes for hold down bolts.

All welding to be subject to AWS D1.1, Welding Procedure Specification and shall only be carried out by coded welders, tested according to the AWS specification. Proof of the relevant welding procedure specification and welding qualification documents must be submitted on request. Inspection and acceptance certificates shall be furnished on request.

Site welding to the mast shall not be permitted.

Proof must be supplied that the manufacturer is ISO 9001:2000 accredited.

3.2 Mast Design

Applicable to both solar powered and grid-tied masts.

The masts shall be designed in accordance with the SANS 10225:2012 Code of Practice for The Design and Construction of Lighting Masts.

The steel used shall have an ultimate tensile strength of between 450 and 500 MPa.

C3.3.2

A lightning protection spike shall be provided at the top of the mast and be connected to the main earth.

The cross section and wall thickness of the mast shall be determined on the basis of the working loads.

Tenderers shall submit with their offer, a full set of design calculations, as well as dimensioned drawings of the mast structure including the base plate connection details, signed off by an ECSA registered Professional Structural Engineer. This is applicable for both solar powered and grid-tied high masts.

Data on wind induced oscillations and the dynamic behaviour of the mast shall be submitted.

The mast shall be designed for mounting on a reinforced foundation by means of a base flange secured to a bolt cage into the foundation. The base flange shall be free from laminations and the weld connection to the mast, shall fully develop the strength of the section. Means shall be provided to enable masts to be adjusted from deviations from the vertical.

In the design, the bolts shall be adequate to carry the full load without contribution by the grouting mixture support.

The following site factors shall be considered:

Design wind speed – 40 m/s

Terrain category – 2

Altitude of sites – Varies between 10m to 400m

The Tenderer's nominated ECSA registered Professional Structural Engineer shall on completion of each mast installation provide a signed-off list confirming the following:

- Soil tension test (kPa)
- Foundation size
- Final concrete strength (MPa)
- Installation accepted in terms of foundation- as well as mast structure designs.

3.2.1 Solar powered high mast

The design of the solar mast shall be adequate to resist a wind loading produced by a wind speed of 144 km/h, measured at a height of 10 meters above ground level and acting on the projected area of the mast, luminaires, PV box, mounting frame and solar panels.

The maximum permissible deflection at the top of the mast shall not exceed 2.5% of the height of the mast under wind loading produced by a wind speed of 100km/h. Provision shall be made in the mast design for minimising wind excited oscillation.

The masts shall withstand the maximum design conditions when fully equipped with luminaires, the control box, solar panels and the supporting framework.

3.2.2 Grid-tied high mast

The design of the grid-tied mast shall be designed to withstand maximum wind loading of 40m/s, with a safety factor of 2 for the equipment specified. The masts shall carry at its top nine (9) flood light luminaires specified elsewhere.

The luminaires must be spread evenly around the circumference of the mast, with space allowance for a further three (3) luminaires to be added in future, if required.

3.3 **Mast Loading**

3.3.1 **Solar powered high mast**

A supporting frame suitably dimensioned to permit the mounting of the offered solar flood lights, solar panels and energy storage enclosures shall be provided.

The mast manufacturer shall provide all dimensions and weights of the solar light solution to ensure that the correct supporting brackets are supplied.

3.3.2 **Grid-tied high mast**

The luminaires offered shall be of the LED type and shall provide a minimum illuminance of 0,8lux over a radius of 140m from the mast. The LED colour temperature shall be 4000K (Neutral white 740).

The housing of the luminaires shall marine grade high-pressure die-cast aluminium (EN 1706 AC-44300) and shall have a tightness level of IP 66. The finish unpainted aluminium.

The stirrup, for the mounting of the luminaire to the carriage, shall be manufactured from hot dip galvanised steel.

3.4 **Access Opening**

3.4.1 **Solar powered high mast**

No access opening will be required.

3.4.2 **Grid-tied high mast**

A fully enclosed distribution board shall be provided for each mast, containing the following equipment:

- 40A Triple-pole mains circuit breaker
- 30A Triple-pole circuit breaker for lights
- 5A Single-pole circuit breaker for photocell unit
- 5A Single-pole circuit breaker for photocell unit by-pass
- 40A Double-pole earth leakage unit
- 20A Single-pole circuit breaker for euro socket outlet
- 1 x Euro socket outlet
- 4-Pole Class 2 Surge Protection Device (SPD)

All circuit breakers to be Curve 2 and shall have a minimum rupturing capacity of 6kA and shall bear the SABS mark.

All equipment and circuits shall be clearly marked with ivorine or other back engraved white on black label with minimum 5mm high lettering.

The distribution board shall be fully wired and ready for connection to the incoming supply cables. A day/night photocell unit shall be mounted on the mast at a minimum of 4m above ground level, and adequately protected against vandalism.

A flexible, heavy duty, trailing cable of sufficient cores and current rating for the luminaires (including spares) specified, which runs over a separate set of nylon sheaves at the head frame shall be provided inside the mast. Sheaves shall be of nylon running on stainless steel shafts. The nylon sheaves shall be adequately sized to prevent deformation of the cable.

The trailing cable shall be firmly connected to the luminaire carriage at its one end and to the clevis plate at the other end. Suitable connectors of the CEE type meeting IP55 with DIN 40-050, shall be provided.

3.5 **Access Ladder**

3.5.1 **Solar powered high mast**

An access ladder commencing 10m above the mast base plate shall be provided to permit access to a resting round platform which situates approximately 1.1m underneath the light fitting cluster. Access to the ladder will be by means of a Cherry picker or similar type of lifting machinery on site.

The access ladder must protrude a minimum 0.8m above the resting platform to assist with stability when a person climbs on top of the platform. Provision must be made for the hooking of a harness on the whole ladder while climbing and above each light fittings when a person accessing the mast.

3.5.2 **Grid-tied high mast**

No access ladder required.

3.6 **Maintenance Tools**

3.6.1 **Solar powered high mast**

A lowering rope adequately rated for the lowering and raising of the light fitting and the control box at once must be provided together with a set of pulleys. The pulleys must be hooked on top of the light fittings to assist with the lowering when maintenance or any adjustments needed to be done.

3.6.2 **Grid-tied high mast**

Each mast shall be equipped with a three (3) point hoisting mechanism, consisting of three 6mm diameter stainless steel wire ropes, running over three pairs of aluminium pulleys on the head frame of the mast running on shafts.

All split pins, bolts, nuts, washers, etc. forming part of the hoisting mechanism shall be stainless steel. All pulleys forming part of the hoisting mechanism shall be LM6 die cast aluminium and mounted on stainless steel shafts which shall be positively prevented from rotating in their housings. The bearing/housing shall be manufactured from UV protected UHDPPE.

The hoisting ropes, manufactured from 316 stainless steel shall remain under tension at all times. A locking mechanism shall be provided. Rope ends shall be not secured by Crosby clamps, and only "Talurit" or similar type ferrules of compatible materials shall be used.

The luminaire carriage shall consist of two (2) flanged halves to facilitate the removal thereof from the erected mast.

A raising and lowering device (single drum winch) shall be provided for each area as indicated in the BOQ. The winch shall be lightweight and be mounted on a suitable frame for easy transfer from one mast to another, thus not requiring a winch in each mast.

The device shall be a single drum worm gear type, self sustaining at all loads and operating speeds, without the use of brakes and clutches. It shall run inside a fully enclosed oil bath and have a gear ration of minimum 50:1 and shall be suitable for both hand and power operation. It shall be equipped with a safety device to ensure that the drum is locked when the cranking handle or power tool is removed from the drive shaft. The safety device shall be applied automatically.

A hydraulic power tool is required to drive the single drum winch. The tool shall have a suitably rated single phase electric motor and variable speed hydraulic motor. It shall be supplied complete with a three (3) metre cable for safe, remote operation.

A test certificate issued by a recognised testing authority shall be supplied with each winch, stating the safe working load of the winch. A permanent rating plate and label shall be fitted in an easily visible position on the winch.

3.7 **Material and Corrosion Protection**

Applicable to both solar powered and grid-tied masts.

The steel used in the manufacture of the masts shall have an ultimate tensile strength of between 470 and 630 MPa and identical to SABS 1431 grade S355 structural steel.

All parts of the mast not specified as manufactured from stainless steel, shall be hot dip galvanised in compliance with the requirements of S.A.B.S. ISO 1461 and test certificates shall be provided if required.

No welding, drilling, punching, bending or removal of burrs shall be carried out after galvanising.

3.8 **Warning Light**

Applicable to both solar powered and grid-tied masts.

Each mast shall be equipped with a red warning light to signal potential hazards or obstructions to aircraft or other vehicles.

The warning light shall have its own separate power supply by means of an independent solar photovoltaic panel and back-up battery and shall not be dependent on the power source of the mast itself.

4.0 **ASSEMBLY OF MASTS ON SITE**

4.1 **Assembly and Erection**

The masts shall be delivered to site in sections and assembled to form one tapered column. No welding or drilling shall be permitted during assembly. Care shall be taken that the zinc coating of all galvanised material is not damaged during assembly.

It must be possible to adjust the vertical straightness of the mast without the use of wedges.

4.2 **Grouting**

The space between the top of the concrete foundation and the underside of the base flange shall be filled with Prostruct 531 grouting after provision of vermin proof drainage holes. The grouting mixture shall not obstruct cable entry pipes.

5.0 **FOUNDATIONS**

Each mast shall be supplied with foundation bolts and templates. The bolts shall be hot dip galvanised over their entire length in compliance with S.A.B.S. ISO 1461. Two galvanised nuts, two washers and one spring washer shall be supplied for each bolt.

The number of foundation bolts shall be determined according to the mast design above. Calculations shall be submitted upon request.

A foundation plan, adequately designed for the conditions as per the mast design of this specification, and based on a soil bearing capacity of 150kPa, giving details of the reinforcing required shall be submitted. Soil pressure and overturning safety factors shall be stated.

All reinforcing and foundation bolts shall have a minimum of 100mm concrete cover. The 28 days cube strength of the concrete shall be 30 MPa.

All foundations shall have a circular flat base from which a square plinth shall rise to above the surrounding ground level. It shall have 50mm wide bevelled edges on the section exposed above groundlevel. The top of the foundation shall be min. 200mm above natural ground level.

One or two PVC, Class B cable sleeves shall be provided from the centre of the top of the foundation plinth, through the concrete to a point below ground level on the side of the plinth.

After casting of the foundation, the slab shall be covered by earth, properly compacted. The area around the plinth shall be brought to the original level and shall be left neat and tidy.

6.0 **EARTHING**

The earth system in both solar powered and grid-tied masts shall consist of approximately 20m long x 70mm² bare copper conductor coiled at the bottom of the hole for the mast foundation and covered with backfill material. The coil shall have four (4) concentric rings spaced 300mm apart. The earth system is to be connected with 70mm² PVC insulated Cu conductor to the earth bar inside the mast.

For the grid-tied masts, a 6mm² bare copper earth wire shall also be provided together with the LV supply cable and connected to the neutral busbar inside the meter box and the earth bar inside the mast.

The maximum earth resistance value shall be 10 ohm. An earth test certificate shall be provided to the engineer.

7.0 **SOLAR POWERED HIGH MAST FLOOD LIGHTS**

7.1 **General**

The solar powered LED floodlighting solution shall be designed to automatically switch ON at dusk, operate ***throughout*** the night and automatically switch OFF at dawn.

Each solar solution should be designed for the relevant geographical location with the capability of **2 days autonomy** in continuous overcast and rainy conditions, ensuring reliable operation.

Detailed calculations shall be submitted with the tender to indicate the 2 days autonomy and the detailed dimming profile should there be one required. All calculations shall be based on an **11 hour switched on cycle**. This shall be based on the winter period minimum irradiance of the sun.

7.2 **Luminaires**

The luminaires should offer efficient thermal management of the LED's. The luminaire housing must be manufactured of marine grade high-pressure die-cast aluminium (EN 1706 AC-44300) to withstand the most corrosive environments. Material certificates shall be submitted with the tender.

7.3 **Photovoltaic (PV) Panels**

The photovoltaic panels shall be Tier 1 photovoltaic modules which ensures optimum performance and reliability.

Tier 1 manufacturers offer a 25-year linear performance warranty for a minimum of 81% of the nominal power output of the module over the 25 year life cycle as well as a 10 year product warranty.

The panel type shall be Monocrystalline Half-Cell to ensure maximum harvesting of the available energy, even in low light conditions. The PV panels shall comply with the stringent TUV Rheinland Power controlled inspection mark.

Furthermore, all panels shall comply with global quality standards certification in accordance with IEC-standards 61215 and IEC 61730 and this assures compliance to international quality control standards.

7.4 **Power Storage Devices**

All power storage devices (battery packs) shall be of the LiFe-PO (Lithium Iron Phosphate) technology and rechargeable type.

In addition, all LiFe-PO battery packs must have an integrated Battery Management System (BMS) which monitors the health, charging and discharging of the battery pack. This safeguards the cells so that they are not over charged or discharged, maximising their lifetime.

Battery pack operating temperature: -20°C to +60° C

The power storage enclosure shall be manufactured from an **IP65 non-corrosive** material. The non-corrosive enclosure shall be accessible only with a vandal proof key mechanism for increased security.

7.5 **Charge Controller**

The charge controller must regulate the flow of current from the solar panel to the battery during daytime and from the battery to the luminaire at night time. The charge controller shall be of the MPPT type. No PWM controllers shall be permitted.

The charge controller shall prevent the power storage device from overcharging and deep discharging thus increasing system efficiency and expected lifespan.

The charge controller shall act as a daylight switch by monitoring the voltage produced by the PV panel. When the voltage dips below a predetermined level it assumes that the sun has set and switches the luminaire on. When the voltage rises above this threshold again, the charge controller assumes that the sun has risen and switches the luminaire off again.

Even at low sun radiation periods due to inclement weather, the charge controller used shall be of the “anti-blackout” type controller, meaning that the charge controller will assess energy stored and regulate the output in a way that would avoid total darkness from occurring.

7.6 **Mandatory Features**

The following features are compulsory in the offered solar solution:

- Voltage and current regulation
- Programmable charging technology
- Current compensated load disconnection
- Automatic load reconnection
- Temperature compensation
- Integrated self-test
- Monthly maintenance charge electronic protection functions
- Overcharge protection
- Deep discharge protection
- Reverse polarity protection of load, module and battery
- Automatic electronic fuse
- Short circuit protection of load and module
- Open circuit protection without battery
- Reverse current protection at night
- Over-temperature and overload protection
- Battery overvoltage shutdown
- Bluetooth monitoring from the ground level

7.7 **Technical Illumination Performance**

A design shall be submitted with the tender indicating the spacing achieved in a triangular spacing between three (3) masts. A mast height of 20m mounting height shall be used for calculations unless otherwise specified.

A minimum distance of 200m shall be achieved between masts where the 0,4 lux line shall be indicated using a maintenance factor of 0,9.

8.0 **GRID-TIED HIGH MAST FLOOD LIGHTS**

8.1 **General**

The exact positions of the grid-tied masts is not yet available, therefore the extent of the mains LV supply to each mast is yet to be determined.

8.2 **Luminaires**

The luminaires offered shall be of the LED type and shall provide a minimum illuminance of 0,8lux over a radius of 140m from the mast. The LED colour temperature shall be 4000K (Neutral white 740).

8.3 **Technical Illumination Performance**

A design shall be submitted with the tender indicating the spacing achieved in a triangular spacing between three (3) masts. A mast height of 30m mounting height shall be used for calculations unless otherwise specified.

A minimum distance of 220m shall be achieved between masts where the 0,6 lux line shall be indicated using a maintenance factor of 0,9.

8.4 **Mains LV Supply**

Since the mains LV supply to each mast is yet to be determined, allowance shall be made in the BOQ for the following provisional mains LV supply to each mast. Tenderers are required to formulate their own provisional sum per mast and shall, inter alia, include for supply and installation of the the following provisional equipment and material per mast. A breakdown of this allowance to be included with the tender submission:

- Trenching, backfilling and compaction of 0,4m wide x 0,7m deep, as per the below definitions:
 ***"Earth"** – 30m*
 ***"Hard Earth"** – 40m*
 ***"Rock"** – 30m*
- Imported soft sand bedding of 15m³ and disposal of unwanted material to off-site source.
- 100m of 300mm wide x 100micron PVC marker tape.
- 100m of 1m high orange safety netting.
- 140m of 10mm² x 4 core copper LV PVCAS underground cable.
- 4 x 10mm² x 4 core copper LV PVCAS cable terminations.
- 30m of 10mm² bare copper earth wire for LV kiosk earth.
- 1 x 1,2m deep copper earth spike for LV kiosk earth.
- 2 x 10mm² bare copper earth wire termination.
- 6-Way Double door polyurethane LV distribution kiosk, colour grey, incl. a timber backing board and set of four (4) tinned busbars.
- 40A Triple-pole mains LV circuit breaker, Curve 1, din rail mounted.
- 3-phase Direct connect kWh meter for monitoring kWh consumption locally.

All circuit breakers to be Curve 2 and shall have a minimum rupturing capacity of 6kA and shall bear the SABS mark. All equipment and circuits shall be clearly marked with ivorine or other back engraved white on black label with minimum 5mm high lettering.

A Provisional Sum for LV supplies is included in the Price Summary for anything required over and above the allowance as described above. The rates provided by the successful Tenderer shall be used to adjust quantities, as deemed required.

9.0 **TRENCHING, BACKFILLING AND COMPACTION**

Disturbance to existing vegetation must be kept to a minimum at all times during construction. Where small trees, plants and shrubs located on the cable route need to be removed, it shall be replanted in its same position after installation of the cable.

The following definitions shall apply to the three categories of trenching. Where the conditions experienced are a combination of two or more of the conditions listed below, the Contractor shall be paid on rates in proportion to the contents of earth, hard earth or rock experienced in the excavations.

"Earth" shall mean material which can be excavated by means of a suitable shovel, with the aid of a pick or other hand-swung tool.

"Hard Earth" shall mean material which cannot be excavated by hand even with the aid of a crowbar, and requires the assistance of pneumatic tools.

"Rock" shall mean material which cannot be fragmented and loosened by hand implements or pneumatic tools and requires drilling and blasting or the use of rock-breaking equipment.

The extent of **"Hard Earth"** and **"Rock"** excavations must be determined before the work is carried out and prior approved by the Engineer and the Municipality.

Disposal of surplus or unsuitable material including haulage shall be included in the rate for imported backfill material from an off-site source, up to a radius of 10km from the site.

10.0 **PADLOCKS**

Padlocks shall be provided for all equipment and shall comply with the requirements of Kouga Municipality.

11.0 **INSPECTION, TESTING AND COMMISSIONING**

The following inspection, testing and commissioning procedures shall be followed:

- The Engineer shall have access at all reasonable times to such parts of the Works or Contractor's premises or premises of Manufacturer of component parts, as may be necessary for purpose of inspecting, examining and testing materials, workmanship and performance of any plant or equipment specified for Works.
- The Contractor shall ensure that complete project and inspection, testing and commissioning of any equipment shall be done as per the applicable SANS or other Specification as detailed above.
- The Contractor shall supply all equipment necessary for testing and commissioning procedures.
- The Contractor shall provide duplicate test certificates relating to current injection tests of all instruments, meters and relays and results of earth mat tests.
- The Contractor shall provide As-Built, operating and maintenance manuals in triplicate of the complete installation.

12.0 **COMPLETION OF WORKS**

Completion of works will be executed as per the GCC2015 contractual conditions.

13.0 **CERTIFICATE OF COMPLIANCE**

The Contractor shall complete and submit an Electrical Certificate of Compliance (COC) for each high mast installation.

C3.4 STANDARD PRELIMINARY AND GENERAL INFORMATION**1.0 PREAMBLE**

This Part of the Tender Document deals with general requirements to be met and standards for plant and workmanship which shall be observed in the execution of the contract covered by this Tender Document. "Plant" is defined as machinery, apparatus, materials, articles and things of all kinds to be provided under the contract other than Construction Equipment.

When the requirements of this Part are at variance with any detailed requirement of any other Part hereof, or the Drawings, such other detailed requirements shall take precedence. All items of plant which are specified in this Tender Document or by nature of the installation are required, shall comply with this Part, unless stated otherwise elsewhere in this Tender Document. In the event of ambiguity the Engineer shall be asked for his clarification prior to submission of the Tender.

Any reference herein to "elsewhere in this Tender Document" shall be deemed to mean in any of the other Parts of this Tender Document or on the Drawings.

This Tender Document covers major items required for this installation but shall not limit the contractor's responsibility to provide everything necessary to complete the contract. The works shall be carried out with best quality items of plant and to a high class of workmanship. All items of plant shall be the best of their respective kinds, and the contractor shall, upon request of the Engineer, furnish him with proof to his satisfaction that they so comply.

This Tender Document and accompanying Drawings are copyright and are the property of the Engineer and must be returned to him whether a bona-fide tender is submitted or not.

2.0 ALTERNATIVE OFFERS

No alternative tender offers will be considered.

3.0 SPARE PARTS

Tenderers shall state in the Schedule of Particulars / Information, Part T2.2.3, the names of the accredited South African Agents from whom spare parts for all items of plant offered are obtainable and the place nearest to the Works from which such spare parts are available. Submission of a tender will be construed as confirmation that spare parts for all equipment offered are readily available, and the contractor will be held responsible for any costs involved if this should prove to be otherwise.

4.0 DELIVERY TIMES OF MANUFACTURED ITEMS

The Tenderer shall, if required in the Schedule of Equipment Offered, state the times quoted by suppliers for both dispatch and delivery of major items of plant which may contribute to an extension of the time for completion.

The contractor shall, during the continuance of the contract, keep the Engineer well and sufficiently informed regarding the placing of all orders for materials and the progress of manufacture of any plant so as to ensure that no extension of the time for completion may be occasioned because of non-delivery of plant within the time specified for delivery of same. A delivery status report on each major item of plant shall be submitted by the 7th of every second month.

The contractor shall at all times remain fully and solely responsible for the timeous delivery to site of all plant, equipment and materials in terms of this contract.

5.0 **PACKING AND DELIVERY**

Plant shall be carefully packed and protected to avoid mechanical or other damage during transport and off-loading. The contractor will be held responsible for any damage occurring prior to its acceptance in writing by the Employer.

Every item of plant is to be clearly labelled with its description and with the contract number.

All consignments shall be addressed to the contractor on site and he/she shall make prior arrangements for receipt and storage upon arrival. The employer will not accept delivery of items of plant for the contractor unless the contractor has made prior arrangements to this effect with the employer. The contractor will be required to make all arrangements for off-loading since no equipment for this will be available on site unless specifically stated to the contrary elsewhere herein.

6.0 **LAYOUT OF INSTALLATION**

The layouts shown on the Engineer's Drawings shall be strictly adhered to in principle, only alterations to suit specific plant being provided being acceptable. The Engineer's Drawings show general arrangements of layout but the contractor is required to prepare detailed Drawings of pipework, fabricated plant, machine and plant rooms, ductwork, switchboards, transformers, sub-stations, etc. The position of services detailed by the Engineer shall not be altered.

All architectural and structural dimensions shown on the drawings are approximate and must be verified by the contractor on Site. All measurements specially marked on the drawings in connection with engineering services shall be strictly adhered to.

If Tenderers require alterations to structure these must be described at the time of tendering. Minor structural alterations which may facilitate the work can be arranged with the Engineer as the work progresses, but no claims will be entertained for alteration of any part of the contract works constructed before the necessary dimensions and details have been verified. Before work on any particular section is commenced, the position of all control equipment and plant shall be approved by the Engineer.

7.0 **DRAWINGS, CERTIFICATES AND OPERATING INSTRUCTIONS**

7.1 Tenderers shall submit with their tender, outline drawings and pamphlets showing principal dimensions of the plant offered together with a general description of its operation.

7.2 In instances where, for any reason, the contractor is required to prepare and/or submit detailed drawings of any portion of the contract works, the contractor shall, within one month of the date of acceptance of the contract tender, or on such other date as may be agreed with the Engineer to suit the contract programme, submit duplicate copies of such contractor's detailed drawings to the Engineer for approval. A further two copies of the finally approved drawings shall subsequently be supplied to the Engineer. The following drawings shall be submitted, as appropriate:

General arrangement details of all items of plant.

Schematic and wiring diagrams of all switchboards and control systems.

Detailed layout drawings of all pipework, ducting, cable racking etc.

Detailed layouts, sections and elevations of all plant rooms.

Rating plate details of all plant including inter alia- max. kW rating, speed, temperature limitations, no-load voltage, full load current, percentage impedance, etc.

Cable termination arrangements of all transformers, motors etc.:

Detailed drawings of all plinths, foundations or bases.

Failure to comply with this requirement may result in the Engineer instructing the contractor to place the order for the specific item of plant with another Manufacturer. Where failure of the Contractor to ensure that the proposed Manufacturer complies with this requirement necessitates the above action being taken, no increase in price will be considered.

- 7.3 The contractor shall, within one month of acceptance of the contract tender, or on such other date as may be agreed with the Engineer to suit the contract programme, submit triplicate copies of type test certificates issued by an authorised inspection authority or other approved testing agency in respect of all items of plant for which such certificates are required by the Engineer.
- 7.4 After completion of manufacture, all test certificates called for elsewhere in this Part shall be provided in duplicate.
- 7.5 Prior to the issue of the Practical Completion Certificate the following documents shall be provided, as appropriate, in duplicate, bound in a durable folder bearing the contract title and number:

Test certificates relating to tests done after completion of the installation as called for elsewhere in this Part.

Catalogue extracts of all major items of plant with performance curves marked to show operating duties.

List of spare part numbers and local Agents for these parts.

"As built" drawings, including layouts, sections, wiring and control diagrams and plant schematic diagrams. These are to show in detail the positions of poles, stays, cables, joints, sleeves, ducts, heating and cooling coils, dampers, pipes, control and regulating valves, air release valves, expansion joints, fixed equipment and all other pertinent items of plant. In the case of buried services, the route of such services and location of all cables, pipes, joints, valves, tees, access manholes, etc. are to be dimensioned relative to permanent and fixed objects, and the GPS coordinates must be provided. These drawings must depict the complete installation as finally commissioned.

Detailed instruction manuals covering the operation, maintenance and servicing of each item of major plant provided under this subcontract and, where the complete plant has been supplied under this subcontract, the operation of the plant as a whole.

In addition, one complete set of Engineer's Drawings clearly marked up to indicate all alterations made to the original drawings must be provided.

The contractor shall note that the Practical Completion Certificate may be withheld until the above has been complied with.

8.0 **STANDARDS AND CODES OF PRACTICE**

The installation shall comply with the following, and all amendments thereto, as appropriate:-

The Occupational Health and Safety Act and Regulations
SABS 0142 Code of Practice for the Wiring of Premises, as appropriate (referred to herein as the Wiring Regulations).

The Post Office Act.

The SAIEE Code of Practice for Overhead Power Lines.

The Local Authorities: Standard Electricity Supply By-Law and appropriate Additional By-Law or Regulations.

Any further Specification, Regulation or Code of Practice stated elsewhere in this Specification.

All items of plant supplied and/or installed, whether expressly specified herein or not, shall conform in respect of quality, manufacture, tests and performance with the requirements of the appropriate South African National Standards (SANS) Specifications and addenda thereto, or, if no such Specification exists covering any one or more of these requirements, with the relevant requirements of the appropriate British Standard Specifications and addenda thereto, except where elsewhere required by this Specification or approved by the Engineer. Where the South African Bureau of Standards has issued a licence for the use of its Mark on products complying with any of its Specifications, only such products which carry the Mark shall be supplied.

Preference will be given to plant manufactured in South Africa.

9.0 **WORKMANSHIP**

All work shall be carried out by qualified artisans or registered apprentices or, only where appropriate, labourers, under the constant supervision of a qualified artisan. At no stage during the construction programme shall any work be carried out without adequately qualified and experienced installation personnel being on site. If the contractor fails to comply with this requirement, the Engineer has the right to instruct the contractor to suspend the contract work. All costs incurred in so doing shall be for the account of the contractor.

10.0 **CO-ORDINATION OF SERVICES ON SITE**

The contractor will be required to work in close co-operation with other specialist direct contractors and subcontractors to ensure that no conflict arises between the various services, and to plan the progress of the various aspects of his work. It is imperative that such close liaison continues throughout the duration of the contract.

11.0 **INTERRUPTION OF EXISTING SERVICES**

No interruption of existing services will be permitted without the express permission of the Engineer and/or the Employer or his representative, given as a result of written notification by the contractor of the date, time and duration of such interruption. Any costs arising from the interruption of any service without such permission shall be for the contractor's account.

12.0 **BUILDER'S WORK**

All builders' work will be carried out as described in Part C3.1 of this Tender Document. The onus shall be on the contractor to ensure that all work carried out by others in this respect, is to the contractor's satisfaction.

Where builders work is to be carried out by others, the contractor shall notify the Engineer timeously of the positions where holes, cuts and recesses will be required and shall ensure that each is correctly located and that heavy-gauge draw-wires are supplied and installed in all sleeves.

13.0 **APPROVAL OF DRAWINGS**

All Drawings, circuit or schematic diagrams prepared by or on behalf of the contractor for submission to the Engineer in terms of the requirements of this Tender Document shall have been thoroughly checked, corrected where necessary and signed as approved by the subcontractor, prior to such submission.

14.0 OPERATING, MAINTENANCE AND SERVICING PROCEDURES

The contractor shall, by agreement with the Engineer, instruct the Employer's appointed Representative in routine operating, maintenance and servicing procedures of all items of plant supplied under this subcontract, and shall ensure that the Employer or his/her Representative, fully understands the documents provided in terms of Clause 7.5 hereof.

15.0 MAINTENANCE

During the defects liability period, up until issue of the Final Approval Certificate, the contractor shall, in addition to attending to any lists of work to be completed which may be issued by the Engineer, carry out full maintenance and servicing operations specifically recommended by the suppliers of any item of plant used in the contract works to maintain it in full and correct operation. Such maintenance shall include all attention necessary to comply with the suppliers' recommendations and shall include the provision of all necessary consumable items. The contractor will also be required to make any adjustments necessary during this period to ensure the satisfactory operation of the plant.

On completion of each such maintenance visit the contractor shall submit to the Engineer a schedule detailing the work done, which schedule shall have been countersigned by the Employer's representative, whereupon a certificate will be issued for moneys due, in respect of the particular maintenance service, as included in the original tender price.

Notwithstanding any maintenance and servicing which may be carried out during the defects liability period, the contractor shall carry out a full maintenance and servicing operation at the end of the defects liability period and before the Final Approval Certificate will be issued.

Allowance for all costs in relation to the above must be made in the tender price. It shall be noted that the Engineer reserves the right to omit partly or wholly the prices submitted for the maintenance of the contract works, should the installation not be adequately maintained within the stipulated maintenance period.

The Employer may request the contractor to enter into a Service/Maintenance Agreement for the contractor to continue to maintain and service the contract works, or a portion thereof, beyond the date of issue of the Final Approval Certificate. The terms and duration of such an Agreement shall be subject to mutual agreement between the Employer and Contractor, and shall be concluded before the issue of the Final Approval Certificate.

Mutually agreeable conditions will be negotiated by the Engineer with the Contractor should the contract works not be put into operation immediately on issue of the Practical Completion Certificate.

C4 SITE INFORMATION

The exact position of each mast is yet to be finalised, but will all be located within the Kouga Municipal Area.

The average site conditions of the Kouga Municipal Areas are as follows:

Altitude above sea level:	Between $\pm 50\text{m}$ and $\pm 200\text{m}$
Max temperature:	40°C
Min temperature:	-5°C
Max relative humidity:	$\pm 70\%$
Ambient atmosphere:	Coastal climate with corrosive conditions

ANNEXURE A

Project Notice Board

The following drawings of the project notice board are bound into this document over leaf and must be used when constructing and erecting the project notice board:

<u>Drawing No.</u>	<u>Description</u>
10625/E/01	PROJECT NOTICE BOARD
10625/E/02	PROJECT NOTICE BOARD SUPPORT STRUCTURE DETAIL

3575



Province of the
EASTERN CAPE
REPUBLIC OF SOUTH AFRICA

KOUGA MUNICIPALITY

HIGH MAST FLOOD LIGHT INSTALLATIONS DURING 2025/26 TO 2026/27 IN THE KOUGA MUNICIPAL AREA



THIS PROJECT IS FUNDED BY MIG



Consulting Engineers

CLINKSCALES MAUGHAN-BROWN

Logo of
Contractor

Contractor

...

Logo of
H&S Officer

Health & Safety

...

3000 MAX.



CLINKSCALES MAUGHAN-BROWN
CONSULTING MECHANICAL & ELECTRICAL ENGINEERS

PORT ELIZABETH
EAST LONDON
GEORGE
CAPE TOWN
WINDHOK
CLINKSCALES MAUGHAN-BROWN (SOUTH) (PTY) LTD (P01207570807)



39 Victoria St
George 6529
PO Box 2551
George 6530
Tel: + 27 44 874 1511
Fax: + 27 44 874 1510
cmb@cmbgeorge.co.za
www.clinkcales.co.za

COPYRIGHT. ALL RIGHTS RESERVED.
NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR
TRANSMITTED IN ANY FORM OR BY ANY MEANS,
ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING,
RECORDING OR ANY INFORMATION STORAGE AND
RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING
FROM THE AUTHOR.

CLIENT
**KOUGA
MUNICIPALITY**

PROJECT
**HIGH MAST FLOOD LIGHT INSTALLATION
PROJECT FOR 2024/25 AT VARIOUS TOWNS
IN THE KOUGA MUNICIPAL AREA**

DRAWING TITLE
PROJECT NOTICE BOARD

DRAWN
KJM

SCALE
N.T.S.

DESIGNED
GSA

DATE
05/03/2024

CHECKED
GSA

CAD REF No.
10625-E-01

APPROVED

DWG-SIZE
A4

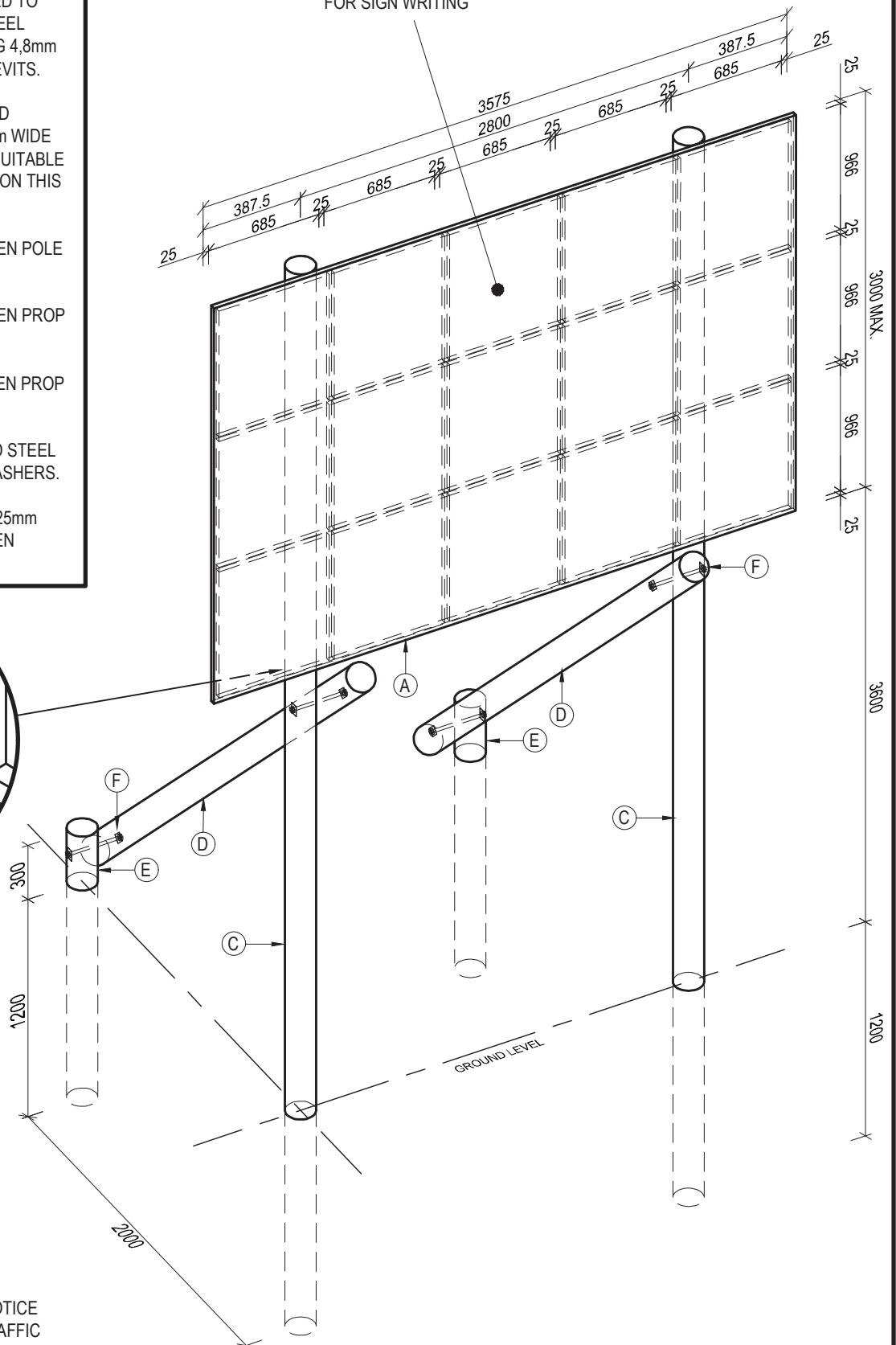
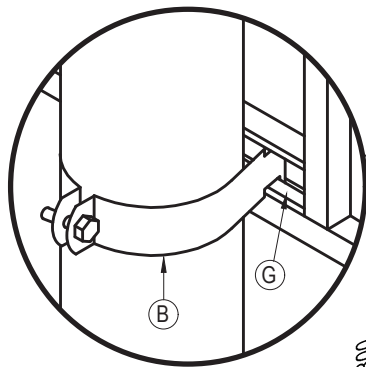
DRAWING NO
10625/E/01

REVISION

LEGEND

- (A) 3575mm x MAX. 3000mm, 1mm THICK SHEET METAL BOARD SECURED TO 25mm x 25mm GALVANISED STEEL SQUARE TUBING FRAME USING 4,8mm Ø x 10mm LONG ALUMINIUM REVITS.
- (B) FRAME FIXED AGAINST TARRED WOODEN POLES USING 76,2mm WIDE GALVANISED STEEL CLAMPS SUITABLE TO FIT IN UNISTRUT IN ITEM G ON THIS DRAWING.
- (C) 7300mm LONG TARRED WOODEN POLE MIN. 140mm DIAMETER.
- (D) 3500mm LONG TARRED WOODEN PROP POLE MIN. 140mm DIAMETER.
- (E) 1500mm LONG TARRED WOODEN PROP POLE MIN. 140mm DIAMETER.
- (F) 300mm LONG M20 GALVANISED STEEL BOLT WITH TWO NUTS AND WASHERS.
- (G) GALVANISED STEEL 76,2mm x 25mm UNISTRUT WELDED IN BETWEEN SQUARE TUBING.

REFER TO DRAWING No. 10625/E/01 FOR SIGN WRITING



NOTE:

SUPPORT STRUCTURE TO BE INSTALLED SO THAT PROJECT NOTICE BOARD IS FACING ONCOMING TRAFFIC AT AN ANGLE OF 45° RELEVANT TO THE ROAD.



CLINKSCALES MAUGHAN-BROWN

CONSULTING MECHANICAL & ELECTRICAL ENGINEERS

PORT ELIZABETH EAST LONDON
GEORGE CAPE TOWN WINDHOUK
CLINKSCALES MAUGHAN-BROWN (SOUTH) (PTY) LTD (2012/67508/07)

39 Victoria St
George 6529
PO Box 2551
George 6530
Tel: + 27 44 874 1511
Fax: + 27 44 874 1510
cmb@cmbgeorge.co.za
www.clinkcales.co.za



COPYRIGHT. ALL RIGHTS RESERVED.

NO PART OF THIS DOCUMENT MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRICAL OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING OR ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE AUTHOR.

CLIENT

KOUGA MUNICIPALITY

PROJECT

**HIGH MAST FLOOD LIGHT INSTALLATION
PROJECT FOR 2024/25 AT VARIOUS TOWNS IN
THE KOUGA MUNICIPAL AREA**

DRAWING TITLE

**PROJECT NOTICE BOARD SUPPORT
STRUCTURE DETAIL**

DRAWN

KJM

DESIGNED

GSA

CHECKED

GSA

APPROVED

SCALE

N.T.S.

DATE

05/03/2024

CAD REF No.

10625-E-02

DWG-SIZE

A4

DRAWING NO

10625/E/02

REVISION