

# MOGALAKWENA LOCAL MUNICIPALITY



**PROJECT NAME: SUPPLY, DELIVERY AND INSTALLATION OF HIGH MAST LIGHTS FOR A PERIOD OF THREE YEARS.**

**TENDER NO: 03-2020/2021**

**NOTICE NO: 116/2020**

**ADVERT DATE: 20 AUGUST 2020**

**CLOSING DATE AND TIME: 21 SEPTEMBER 2020**

**CIDB GRADING OF 4EP OR HIGHER**

**NAME OF TENDERER:** \_\_\_\_\_

**TENDERED AMOUNT:** \_\_\_\_\_

**TENDER SUM IN WORDS:** \_\_\_\_\_

\_\_\_\_\_

**CONTACT PERSON:** \_\_\_\_\_

**CELL NUMBER:** \_\_\_\_\_

**FAX NUMBER:** \_\_\_\_\_

**OFFICE NUMBER:** \_\_\_\_\_

**EMAIL ADDRESS:** \_\_\_\_\_

**POSTAL ADDRESS:** \_\_\_\_\_

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## TENDER NO. 03-2020/2021

### A. INTRODUCTION

1. Invitation to submit Bids:

Mogalakwena Local Municipality invites service providers to submit Tenders for: **Supply, delivery and installation of high mast lights for (3) three year**, as described in the Terms of Reference (TOR) document. Tender documents are available on E-Tender, Municipal Website. Proposals received will be the basis for the contract negotiations and ultimately appointment of the suitable service provider. It is therefore important that service providers familiarise themselves with the municipality's processes and MLM supply chain management policy and to take them into account in preparing their tender.

2. Service Providers must note that the costs of preparing the tender and of negotiating the contract are not reimbursable and Mogalakwena Local Municipality is not bound to accept any of the tender submitted.
3. At any time before submission of the bid, Mogalakwena Local Municipality may, for any reason, whether at its own initiative or in response to a clarification requested by an invited firm, modify these Specifications by amendments. The amendment will be sent in writing by facsimile or electronic mail to all Service providers and will be binding on them. Mogalakwena Local Municipality may at its discretion extend the deadline for the submission of bids.
4. Only service providers with a **CIDB** grading of **4EP** or higher will be taken into consideration for this tender.

### B. FINANCIAL PROPOSAL

In preparing the financial proposal, service providers are expected to take into account the requirements and the conditions of these Specifications. The financial proposal should list all costs associated with the project and relevant taxes. The proposal must be fixed cost and remain valid for **90 days** after the closing date of the tender submissions. The rate of exchange of this bid is not subject to any foreign currency and the prize must be firm.

### C. NEGOTIATIONS

Negotiations to reach agreement on all points and sign a contract with the successful will be held at a time and place to be determined by Mogalakwena Local Municipality. Negotiations will include a discussion of the technical proposal, the proposed work plan and any suggestions made by the appointed service provider to improve the Terms of Reference. The agreed work plan, service level agreement and final Terms

of Reference will then be incorporated into the “Description of Services” and form part of the contract.

#### **D. SUBMISSION, RECEIPTING AND OPENING OF TENDER PROPOSAL**

The proposal tender document shall be placed in a sealed envelope clearly marked “project name, project number and the closing date”. The envelope shall be deposited in the tender box at the Civic Centre situated at:

**54 Retief Street, MOKOPANE**

Note that any tender received after the closing date and time for submission, will not be considered.

***Enquiries regarding the bid may be directed to:***

***Name of technical personnel: GN RAMANGO***

***Department: Electrical***

***Telephone Number: 015-4919691/9601***

***Email: ramangog@mogalakwena.gov.za***

***Administrative Enquiries to Supply Chain Unit: - M Rasekgala***

***Tel no: 015 491 9662 /scm@mogalakwena.gov.za***

The tenders will be opened immediately after the closing time for submission. At the opening all service providers’ bids will not be read aloud due to Covid 19 Regulations, however the names and prices of all tenderers will be published on Municipal Website.

Mogalakwena Local Municipality will take ownership of the outcomes and deliverables, thereby reserving the right to reproduce information from, copy and / or distribute such outcomes and deliverables without the prior consent of and / or reference to the service provider.

#### **MOGALAKWENA LOCAL MUNICIPALITY**

##### **TERMS OF REFERENCE FOR: Supply, delivery and installation of high mast lights**

It is the intention of the Mogalakwena Local Municipality to enter into a service agreement with a service provider that will carry out the services described hereunder. The tender will be for the supply, delivery and installations of high mast lights in the municipal area of jurisdiction for the 2020/2021- 2022/2023 financial years. These Terms of Reference and the service provider’s proposal will form the basis of the contract.

#### **SECTION 1: DETAILS**

**Province**

**Limpopo**

<b>District</b>	<b>Waterberg</b>
<b>Municipality</b>	<b>Mogalakwena Local Municipality</b>
<b>Project Name</b>	<b>Supply, delivery and installation of high mast lights</b>

## **SECTION 2: SUMMARY OF BRIEF**

**Proposals** are requested from service providers who have the necessary stature and extensive experience for the supply, delivery and installation of high mast lights in the past financial years in various villages in Mogalakwena Municipal area of jurisdiction.

## **SECTION 3: PROJECT DESCRIPTION**

The project is for the supply, supply, delivery and installation of high mast lights.

## **SECTION 4: SCOPE AND SPECIFICATION OF WORK**

**TENDER NO: 03-2020/2021**

### **Technical Specification for high mast lighting installations:**

#### **1. Scope**

This enquiry makes provision for the supply, delivery, erection and commissioning of high mast lights. The work also includes the foundations. The electricity connection is excluded.

#### **2. System and site particulars**

The lighting installations shall be suitable for a 415/240 volt 50 Hz supply of electricity. The transformers supplying the networks vary in size but may be rated up to 500 kVA three phase.

The sites are located in towns and villages in the Mogalakwena Municipal area of jurisdiction and are townships of conventional design. The masts will be located in the road reserves and normal access will therefore be available for trucks, cranes and temporary stays.

The specific locations of the masts will be disclosed at a site inspection, which will be held with the successful tenderer before commencement of the work. Provision must be made for rocky soil and transport up to 110km from Mokopane.

#### **3. System requirements**

**The minimum illumination at a distance of 150 meters from a single mast shall be 0.5 lux.**

The complete system shall be designed, manufactured and finished to afford a maintenance free life span and materials shall be chosen to prevent wear, fatigue and corrosion.

#### **4. Foundations**

The contractor shall appoint a geo-technical consultant to report on the soil conditions and the foundations shall be designed based on this data. A copy of the consultant's report and the foundation design calculations shall be submitted to the engineer at least four weeks before site work is due to commence. Ready mixed concrete of the design strength shall be obtained locally for the foundations. The Engineer shall inspect foundation steel immediately before concrete pouring. Concrete foundations shall protrude at least 300 mm above ground level and shall be finished smooth.

Each mast shall be supplied with foundation bolts and templates. The bolts shall be hot dip galvanised over their entire length to SANS Specification No. 763/1977. 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 design above. Calculations shall be submitted upon request.

A foundation plan, adequately designed for the conditions as per 5.3 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 factor 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 at least 25 Mpa.

All foundations shall have a circular flat base from which a square plinth shall rise to above the surrounding 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 500 mm 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.

## 5. Masts

### 5.1 Construction

The masts shall be constructed from conical sections which, when assembled, will form a tapered column of ***circular cross section***. There shall be no fillet welds of the overlaps. The sections shall be joined by friction fit only.

The masts shall be of lightweight construction and a base plate shall be welded to the bottom end of the lowest section suitable drilled for foundation bolts.

All welding to be subject to SANS Spec 044 Part 3 Grade B and shall be carried out by SANS coded welders only. Proof that all welders have been tested by the SANS must be submitted on request. Inspection and acceptance certificates shall be furnished on request.

The steel used in the manufacture of the mast shall have ***an ultimate tensile strength of between 450 and 620 Mpa*** and identical to SANS 1431 grade 300WA steel.

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

## 5.2 Dimensions

The masts offered shall give an overall flood light mounting height of **30 m**.

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

## 5.3 Working loads

The masts shall be designed in accordance with the SANS 02254 Code of Practice for the design and construction of lighting masts. The following site factors shall be considered:

Design wind speed	=	40m/s
Class of structure	=	B
Category of terrain	=	2
Altitude of site	=	1200 m

The mast shall carry at its top 6 x 470W LED Flood lights, according to the specification in annexure A attached hereto, evenly spread around its circumference.

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

## 5.4 Raising and Lowering Device

Each mast shall be equipped with a **three-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. The pulleys running on shafts manufactured from Stainless steel and bearings/housings are manufactured from Vesconite. All split points, bolts, nuts and washers shall be of stainless steel. Pulley shafts shall be positively prevented from rotating in their housings. **2 (two) – Rope systems shall not be considered.**

The luminaire carriage shall be drawn against three inverted cones to ensure level positioning of the fittings in the operating position. The hoisting ropes, which will remain under tension at all times, shall terminate inside the mast on a clevis plate, to which the rope of the hoisting unit can be connected or to which, when in the raised position, the locking device can be attached. The locking device shall be secured to a structurally sound member of the mast base. The other ends of the hoisting ropes shall be firmly secured to the luminaire carriage. Rope ends shall **not** be secured by Crosby clamps and only "Talurit" type ferrules of compatible material shall be used. In addition, a safety chain shall be provided between the clevis plate and a structurally sound member of the mast base.

All fasteners connected with the raising and lowering device shall be secured by Nylok type nuts or stainless steel split pins.

## 5.5 Hoisting Unit

This shall be a single drum worm gear winch with a 50:1 ratio and suitable for manual or power operation. The winch shall run in a fully enclosed oil bath.

It shall be possible for the winch to be removed, if so desired, thus not requiring a winch in each mast.

## **5.6 Access Opening**

An access door adequately protected against the weather shall be provided in the mast, with the bottom lintel 600mm above the base plate. The door shall be adequately protected against vandalism and secured by three screws requiring a special opening tool.

A door-frame shall reinforce the opening in the mast.

The mounting strips welded opposite the door opening shall be drilled for the mounting of a control board. Earth terminals, as well as a support bar for the incoming supply cables, shall be provided below the door opening.

## **5.7 Corrosion Protection**

All parts of the mast and raising and lowering device, not specified as manufactured from stainless steel, shall be hot dip galvanized to SANS Specification No. 763/1977 and inspection certificates provided if required. No welding, drilling, punching, bending or removal of burrs shall be carried out after the galvanising process has been completed.

## **5.8 Electrical Connection to the Luminaires**

A flexible, heavy-duty 5-core trailing cable of the correct size, which runs over a separate set of Aluminium sheaves at the head frame, shall be provided. Sheaves shall be of Aluminium, running on Vesconite shafts. The shafts shall be positively secured from rotating in their housings. The Aluminium 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 of connectors meeting IP55 within DIN 40-050 shall be provided.

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

- 1 – 3 pole isolator (main switch)
- 3 – single pole MB's (lights)
- 1 – single phase switched socket outlet for the use of a power tool
- 1 – two pole earth leakage unit protecting the single phase outlet
- 1 – 5 pin CEE socket
- 1 – adequately rated Telemecanique (or similar) contactor
- 1 – single pole MCB acting as by-pass switch
- 1 – single pole MCB protecting the contactor
- 1 – photo cell
- 1 – 15 Amp 3 phase C/B connected to a 25 Amp female welding socket outlet.

All circuit breakers and isolators shall have a rupturing capacity of 5 kA and shall bear the mark of the SANS and shall be accessible through cut-outs in the cover without having to remove the cover.

All equipment shall be clearly marked with engraved labels. No stick-on embossed tape shall be used.

The distribution board shall be fully wired and ready for connection to the incoming supply cables.

#### **5.9 Earthing**

Earthing of the mast will be done according to the relevant SANS specifications and will be done in such a way that no copper conductors will be visible, once the job is completed.

#### **6. Luminaires**

Luminaires shall be designed and mounted to give a uniform circular light distribution on the ground. Luminaires shall be manufactured from materials which will not degrade from ultra-violet light or corrosion. Reflectors shall be guaranteed not to lose reflectivity over the life span of the luminaire. All control gear shall be mounted in a compartment attached to the luminaire. The control gear and the compartment shall be adequately rated to operate in the high ambient temperatures in Mogalakwena area, without undue ageing. Plastic trays, brackets and retaining clips will not be accepted.

The luminaire size shall be chosen to meet the specifications stated in clause 3 of this document and be amongst others comply with the specifications in Annexure A.

The luminaire shall bear the SANS 1279 mark and the SANS 1464 safety mark.

The luminaire shall have a degree of protection that complies with SANS 1222:

Lamp compartment: IP65

Control gear compartment: IP65

The IP rating shall be certified by a SANS test report.

#### **7. Standards**

All equipment or parts manufactured to an SANS or other standard shall be so described in the literature accompanying the tender document. Materials shall likewise be listed.

#### **8. Descriptive literature**

Tenderers shall attach literature, drawings and schematics to tender documents to enable the employer to judge the merits of the offer. Completeness of information will assist in awarding the tender.

#### **9. Factory or site inspection**

In order to award the tender, the employer will inspect equipment similar to that offered at the factory or at the electrical workshop in Mokopane. The tenderer shall arrange for access to such site, and shall arrange for a representative to be present.

#### **10. Conditions of contract**



The attached **SHORT CONTRACT** shall rule this enquiry. All casual labour employed shall be arranged with the relevant local structures. Information regarding this aspect can be obtained from the relevant bodies at the site inspection.

#### **11. Retention/Surety**

Over and above the normal retention of 10%, of which 50% is released after successful completion of the project and the other 50% is released 12 months after the successful completion of the project, the municipality deducts 10% surety, deducted in equal amounts from the first three invoices of a contract as well as a 1.5% labour deduction deducted from the first invoice, which amounts are released on final completion of the project.

#### **12. Insurance**

Insurance of the works will be provided by the municipality/or the contractor, and will be deducted from the first payment received from the service provider. This will include cover public liability and exclude theft of equipment whilst the project is still running. The contractor must take insurance for equipment's and material.

#### **13. Partial order**

The Council reserves the right to order fewer or more than the high mast lighting installations indicated in the price schedule. The price for the number actually ordered shall be calculated on a pro rata basis of the prices in the schedule, including preliminary and general.

#### **14. Evaluation of Tenders**

Tenders will be evaluated according to Council's Procurement Policy, where points will be scored on the 80/20 Point System, which document is available upon written request. All Tenderers must submit a BBEE rating schedule issued by a person/company who is registered to do so as well as a National Treasury Central Supplier Database registration certificate.

Functionality evaluation will be done according to the criteria stipulated in Section 11 of this document.

#### **15. Engineering Certificate**

It is a condition of this tender that a structural engineering certificate be issued for each and every high mast light installed.

#### **16. Closing of Tenders**

Sealed Tender Documents marked "**TENDER NO. 03-2020/2021– SUPPLY, DELIVERY AND INSTALLATION OF HIGHMAST LIGHTNING**" must be placed in the Tender Box at the Main Entrance at the Civic Centre, Retief Street, Mokopane not later than **07 September 2020** at **12:00**.

## **17. ACCEPTANCE OF BID**

The lowest or any bid will not necessarily be accepted and the council retains the right to accept one or more bid per item. Council further retains the right to accept a bid as a whole or partially. All prices must be nett, free of rail, for delivery at the various sites differing in range up to 120km from Mokopane Town. Delivery period must be stated. Bid prices must be valid for a period of 90 days after the closing date of this bid. Purchases will be made as and when necessary. Bidders shall submit bids on their own letterheads together with this document on the closing date of the bid.

### **SECTION 5: PROJECT OUTCOMES/ OUTPUTS/ DELIVERABLES**

After the successful completion of the project high mast lights will have been erected by the successful service provider which will improve the safety and security of community members. The quantities will be as per Section 2: Summary of brief, as contained in this document

### **SECTION 6: PROJECT PLAN/IMPLEMENTATION SCHEDULE**

The prospective service provider should submit, with his/her tender a detailed project plan with milestones and timeframes.

### **SECTION 7: PROJECT COSTS / PRICING SCHEDULE AND PAYMENT MILESTONE**

Service providers are expected to provide an estimate of disbursements in their proposal and indicate payment at specific milestones successfully completed. The project cost must be inclusive of all chargeable costs to the municipality. The municipality will not pay any amount outside the projected/quoted amount.

The successful service provider will be remunerated in accordance with the Service Level Agreement that will be entered into with the successful municipality.

The attached pricing schedule (MBD 3.1) must be completed.

### **SECTION 8: SKILLS REQUIRED / EXPERTISE REQUIREMENTS**

Specify the Experience of key staff and their qualifications

CV of the project team must be included in the proposal. Project team must be available for the whole implementation of the project. Declaration letters of availability of the team members must be attached, and in case of resignation of a member, the service provider must inform the municipality in writing. The resigned member must be replaced by team member of the same statue e.g. Qualification and experience in consultation with the municipality.

**SECTION 9: DELIVERY TIMEFRAME**

The project is going to be for three (03) years starting from 2020/2021 F/Y

**SECTION 10: REPORTING**

The appointed service provider will be required to report to the following Official:  
G N Ramango for the duration of the project

**SECTION 11:- EVALUATION CRITERIA**

**Functionality Assessment**

<b>FUNCTIONAL AREAS</b>	<b>SCORES</b>
Compliance with technical specifications	30
Tenderers project specific experience	30
Equipment	20
Key staff qualification and experience	20
<b>TOTAL</b>	<b>100</b>

**NB! The minimum cut off points for functionality is 60 points out of 100 points and any bidder scoring less than 60 points will not be considered for further evaluation.**

**Functionality will be treated as a requirement.**

**Price Assessment**

Proposals will be evaluated on the basis of the PPPFA 80/20 point system.  
The 80/20 point system will be as follows:

	<b>SCORES</b>

<b>Price Assessment</b>	<b>80</b>
<b>TOTAL</b>	<b>80</b>

<b>PREFERENTIAL / BBBEE POINTS</b>	<b>20</b>
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**Functionality evaluation will be calculated based on the following information:**

**Evaluation Schedule 1: Compliance with technical specification**

Points will be scored on compliance with the relevant sections of the specifications indicated. The tender will be regarded as non-compliant if information is not submitted

Section	Max points allowed	Points scored
4. Foundations: Design submitted and comply with specification	7	
5. Masts: Design submitted and comply with the following specifications, 5.1 Construction, 5.2 Dimensions, 5.3 Working loads, 5.4 Raising and lowering devices, 5.5 Hoisting unit, 5.7 Corrosion protection, 5.8 Electrical connection to luminaires, 5.9 Earthing.	16	
8. Descriptive literature (Methodology)	7	
Total	30	30

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

Signed

Date

Name

Position

*Tenderer*

## Evaluation Schedule 2: Tenderers Project Specific Experience

The experience of the tenderer as opposed to the key staff members / experts in similar projects or similar areas and conditions in relation to the scope of work will be evaluated.

Tenderers very briefly describe his or her experience in this regard and attach this to this schedule. The amount of high mast lights installed per project is crucial in the municipality's evaluation of the offer

The description should be put in tabular form with the following headings:

Employer, contact person and telephone number, where available	Description of work (service)	Amount of high mast lights installed	Date completed

The scoring of the tenderers experience will be as follows:

<b>Poor (score 5)</b>	Tenderer has limited experience (Less than 50 high mast installed)
<b>Satisfactory (score 10)</b>	Tenderer has relevant experience. (More than 50 but less than 100 high mast lights installed)
<b>Good (score 20)</b>	Tenderer has extensive experience in relation to the project and has worked previously under similar conditions and circumstances. (More than 100 but less than 200 high mast lights installed)
<b>Very good (score 30)</b>	Tenderer has outstanding experience in projects of a similar nature. (More than 200 high mast lights installed)

N.B Valid appointment completion certificate of similar projects to be submitted.

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

Signed \_\_\_\_\_ Date \_\_\_\_\_  
 Name \_\_\_\_\_ Position \_\_\_\_\_  
 Tenderer \_\_\_\_\_

**Evaluation Schedule 3: Tenderers equipment**

Equipment	Points allowed	Points scored
Picks and shovels	2	
Compressor and jack hammers	3	
Flatbed truck (at least 20 ton), for structure delivery	5	
Hydraulic crane (at least 20 ton meter) for installation of masts	10	
Total	20	

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

Signed \_\_\_\_\_ Date \_\_\_\_\_  
 Name \_\_\_\_\_ Position \_\_\_\_\_  
*Tenderer* \_\_\_\_\_

## Evaluation Schedule 4: Qualifications and experience of Key Staff

The technical qualifications and experience of the bidder's key staff members / experts in high mast light projects in relation to the scope of work will be evaluated.

Attach a CV of each of the key staff members to this schedule:

Experience of the key staff (assigned personnel) in relation to the scope of work will be evaluated from two different points of view:

- 1) General experience (total duration of professional activity), level of education and training and positions held of each key staff member / expert member.
- 2) The education, training and experience of the key staff members / experts, in the specific sector, field, subject, etc which is directly linked to the scope of work.

A CV of each key staff member of not more than 2 pages should be attached to this schedule. The CV should be structured under the following headings:

- 1 Personal particulars
  - name
  - date and place of birth
  - place (s) of tertiary education and dates associated therewith
  - professional awards
- 2 Qualifications (degrees, diplomas, grades of membership of professional societies and professional registrations)
- 3 Name of current employer and position in enterprise
- 4 Overview of post graduate / diploma experience (year, organization and position)
- 5 Outline of recent assignments / experience that has a bearing on the scope of work

The scoring of the qualifications and experience of key staff will be as follows:

	<b>Qualifications</b> (Greater weighting will be given to the team leader)	<b>Project specific experience</b> (Greater weighting will be given to the team leader)	<b>Points scored</b> (For office use only)
<b>Poor (score 5)</b>	Diploma in structural and or mechanical engineering	Key staff has limited experience of issues pertinent to the project. More than 5 years' experience	
<b>Satisfactory (score 10)</b>	Higher Diploma or B Eng degree in structural and or mechanical engineering / Electrical Engineering	Key staff has reasonable experience of issues pertinent to the project. Less than 5 years but more than 2 years' experience	
<b>Good (score 20)</b>	Higher Diploma or B Eng degree in structural and or mechanical engineering/Electrical Engineering	Key staff has extensive experience of issues pertinent to the project. Less than 10 years' experience but more than 5 years	

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

Signed	Date
.....	_____
Name	Position
.....	_____
<i>Tenderer</i>	
.....	

## THE FOLLOWING REQUIREMENTS WILL APPLY

- Price(s) quoted must be valid for at least ninety (90) days from the date of your offer.
- Price(s) quoted must be firm and inclusive of VAT (if VAT registered) and detailed price schedule must be attached.
- Company registration certificate e.g. CK1, CK2 etc
- The bidder must be tax compliant. A verification SARS pin must be attached (For both Parties in case of a Joint Venture)
- Tender proposal will be evaluated on PPPFA 80/20 points system.
- Contactable Reference list of previous and current projects must be attached. Contactable reference list must comprise of the following information: - **project name, company tendered for, tendered amount, year of the project, contactable telephone numbers and completion date.**
- Form must be signed in black ink (no pencil is allowed or other colour)
- All MBD Forms must be completed and signed
- In case of a Joint Venture, Association or Consortium a formal contract agreement must be signed by both parties and be attached
- Any alterations on the proposals or the tender document must be initialled.
- Valid Proof of Residential e.g. lease agreement, municipal rates & taxes account etc.
- Valid BBBEE certificate from agencies accredited by SANAS should be submitted or a registered auditor approved by the IRBA or a sworn affidavit confirming annual turnover. (For both Parties in case of a Joint Venture)
- Bidder must be registered with CSD and the summary report to be attached as well as the unique reference number and supplier number.
- All copies must be valid as at the date of closing.
- Proof of registration with CIDB which indicate the grading.



## TENDER NO. 03-2020/2021

## 1. Price and delivery schedule

ITEM (Per high mast light)	PRICE (VAT EXCL) (Supply, delivery and installation included)			
	FY 2020/21	FY2021/22	FY2022/23	Total
1. Preliminary & General, this item should cover all the time related items needed as well as site establishment. It is linked to committed completion period per mast.	R	R	R	R
2. Electrical Connection Provisional Sum (This amount is dedicated for connection fees and deposit on Eskom build. The client may nominate a sub-contractor to compute a self-build type for Eskom or Municipality connection). Connection from the service box to mast light.	R 240 000.00	R 240 000.00	R 240 000.00	R 720 000.00
3. Professional sum for foundation (the expenditure will be controlled by the municipality (R200 000.00)	R	R	R	R
4. Electrical Connection Provisional Sum Contractor's Handling fee	R	R	R	R
5. Supply deliver and installation cost of the Luminaire (As per spec i.e 6 x 470W LED Flood lights)	R	R	R	R
6. Foundations for flange mounted lighting structure	R	R	R	R
7. Supply, delivery and installation cost of the Mast Light. Including commissioning.	R	R	R	R
8. One (1) Lowering/raising device	R	R	R	R
9. Occupational Heal and Safety (PPE, SIGNAGE, Comply with Covid 19 Regulations & OHS Act)	R	R	R	R
10. Geotec	R	R	R	R
<b>SubTotal</b>	R	R	R	R
<b>Vat (15%)</b>	R	R	R	R
<b>Total</b>	R	R	R	R

The rates provided by the bidder for the current and outer years will be **BINDING**. The above total tender price must be carried forward to **FORM OF OFFER AND in words which amount will govern**). Corrections will only be made in terms of CIDB Practice Note #2, Version 3, dated August 2008.

**Tenderers to take note of the following:**

- This appointment will be for the financial year 2020/2021 and the outer year.
- The projects allocation for the outer years will be as and when the funding is made available by the funder (from the sector departments).
- The amount of masts to be installed in each year is as follows:  
**As per financial year ±20 masts**

**Guaranteed completion period (weeks) per financial year:**

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**NB. Tenderers must familiarise themselves with the soil conditions of the sites of installation in order to submit a firm price for foundation installations as no variation will be allowed for rockdrill.** Below are the co-ordinates for areas which covers the current financial year 2020/21 and the outer years will be provided as an when projects are allocated.

<b>VILLAGE NAME</b>	<b>CO-ORDINATE</b>
Ga-Monare	S23°34,838
	E28°32,761
Mmahlogo	S23°57,681
	E28°49,552
Mesopotamia	S23°56,388
	E28°51,474
Mosoge	S23°56,935
	E28°50,038
Malepetleke	S24°5437,935
	E28°54,0813
<b>NB* 2020/21 Financial Year Allocated Villages</b>	

**FORM OF OFFER AND ACCEPTANCE**

**THE CONTRACTOR'S OFFER**

The Contractor is: .....

Address: .....

.....

.....

Telephone No.: ..... Fax: .....

The Contractor offers to provide the work in accordance with the specifications for an amount as specified below. (It will be expected of the contractor to enter into a service level agreement with the municipality)

The offered price of the tender for 2020/2021 is (AMOUNT IN WORDS): Preliminary and general \_\_\_\_\_ Rand and

\_\_\_\_\_ cents, high mast light structure/1 \_\_\_\_\_

\_\_\_\_\_ Rand and \_\_\_\_\_ cents and lowering device \_\_\_\_\_

\_\_\_\_\_ Rand and \_\_\_\_\_ cents

Signed on behalf of the Contractor:

NAME: \_\_\_\_\_ SIGNATURE: \_\_\_\_\_

\_\_\_\_\_  
POSITION

\_\_\_\_\_  
DATE

**THE EMPLOYER'S ACCEPTANCE**

The Employer accepts the Contractor's offer to provide the works

Signed on behalf of the Employer:

Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Position: \_\_\_\_\_

Date: \_\_\_\_\_

**DECLARATION OF INTEREST**

1. Any legal person, including persons employed by the state<sup>1</sup>, or persons having a kinship with persons employed by the state, including a blood relationship, may make an offer or offers in terms of this invitation to bid (includes a price quotation, advertised competitive bid, limited bid or proposal). In view of possible allegations of favouritism, should the resulting bid, or part thereof, be awarded to persons employed by the state, or to persons connected with or related to them, it is required that the bidder or his/her authorised representative declare his/her position in relation to the evaluating/adjudicating authority where-

- the bidder is employed by the state; and/or
- the legal person on whose behalf the bidding document is signed, has a relationship with persons/a person who are/is involved in the evaluation and or adjudication of the bid(s), or where it is known that such a relationship exists between the person or persons for or on whose behalf the declarant acts and persons who are involved with the evaluation and or adjudication of the bid.

2. **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

2.1 Full Name of bidder or his or her representative: .....

2.2 Identity Number: .....

2.3 Position occupied in the Company (director, trustee, shareholder<sup>2</sup>): .....

2.4 Company Registration Number: .....

2.5 Tax Reference Number: .....

2.6 VAT Registration Number: .....

2.6.1 The names of all directors / trustees / shareholders / members, their individual identity numbers, tax reference numbers and, if applicable, employee / persal numbers must be indicated in paragraph 3 below.

<sup>1</sup>“State” means –

- (a) any national or provincial department, national or provincial public entity or constitutional institution within the meaning of the Public Finance Management Act, 1999 (Act No. 1 of 1999);
- (b) any municipality or municipal entity;
- (c) provincial legislature;
- (d) national Assembly or the national Council of provinces; or
- (e) Parliament.

<sup>2</sup>“Shareholder” means a person who owns shares in the company and is actively involved in the management of the enterprise or business and exercises control over the enterprise.

2.7 Are you or any person connected with the bidder presently employed by the state? **YES / NO**

2.7.1 If so, furnish the following particulars:

Name of person / director / trustee / shareholder/ member: .....

Name of state institution at which you or the person connected to the bidder is employed : .....

Position occupied in the state institution:.....

Any other particulars:

.....

.....

.....

2.7.2 If you are presently employed by the state, did you obtain the appropriate authority to undertake remunerative work outside employment in the public sector? **YES / NO**

2.7.2.1.1 If yes, did you attached proof of such authority to the bid document? **YES / NO**

(Note: Failure to submit proof of such authority, where applicable, may result in the disqualification of the bid.

2.7.2.2 If no, furnish reasons for non-submission of such proof:

.....

.....

.....

2.8 Did you or your spouse, or any of the company's directors / trustees / shareholders / members or their spouses conduct business with the state in the previous twelve months? **YES / NO**

2.8.1 If so, furnish particulars:

.....

.....

2.9 Do you, or any person connected with the bidder, have any relationship (family, friend, other) with a person employed by the state and who may be involved with the evaluation and or adjudication of this bid? **YES / NO**

2.9.1 If so, furnish particulars.

.....

.....

.....

2.10 Are you, or any person connected with the bidder, aware of any relationship (family, friend, other) between **YES/NO**

any other bidder and any person employed by the state who may be involved with the evaluation and or adjudication of this bid?

2.10.1 If so, furnish particulars.

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

2.11 Do you or any of the directors / trustees / shareholders / members of the company have any interest in any other related companies whether or not they are bidding for this contract?

**YES/NO**

2.11.1 If so, furnish particulars:

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

**3 Full details of directors / trustees / members / shareholders.**

Full Name	Identity Number	Personal Reference Number	Tax Number	State Employee Number / Persal Number

**4 DECLARATION**

I, THE UNDERSIGNED, (NAME) .....

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

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 23 OF THE GENERAL CONDITIONS OF CONTRACT SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....  
 Signature Date

.....  
 Position Name of bidder

**DECLARATION FOR PROCUREMENT ABOVE R10 MILLION (ALL APPLICABLE TAXES INCLUDED)**

For all procurement expected to exceed R10 million (all applicable taxes included), bidders must complete the following questionnaire:

1 Are you by law required to prepare annual financial statements for auditing? **Yes/ No**

1.1 If yes, submit audited annual financial statements for the past three years or since the date of establishment if established during the past three years.

.....

.....

2 Do you have any outstanding undisputed commitments for municipal services towards any municipality for more than three months or any other service provider in respect of which payment is overdue for more than 30 days? **Yes/No**

2.1 If no, this serves to certify that the bidder has no undisputed commitments for municipal services towards any municipality for more than three months or other service provider in respect of which payment is overdue for more than 30 days.

2.2 If yes, provide particulars.

.....

.....

3 Has any contract been awarded to you by an organ of state during the past five years, including particulars of any material non-compliance or dispute concerning the execution of such contract? **Yes/No**

3.1 If yes, furnish particulars

.....

.....

4. Will any portion of goods or services be sourced from outside

the Republic, and, if so, what portion and whether any portion of payment from the municipality / municipal entity is expected to be transferred out of the Republic? **Yes/ No**





**CONTRACT FORM - RENDERING OF SERVICES**

**THIS FORM MUST BE FILLED IN DUPLICATE BY BOTH THE SERVICE PROVIDER (PART 1) AND THE PURCHASER (PART 2). BOTH FORMS MUST BE SIGNED IN THE ORIGINAL SO THAT THE SERVICE PROVIDER AND THE PURCHASER WOULD BE IN POSSESSION OF ORIGINALLY SIGNED CONTRACTS FOR THEIR RESPECTIVE RECORDS.**

**PART 1 (TO BE FILLED IN BY THE SERVICE PROVIDER)**

1. I hereby undertake to render services described in the attached bidding documents to (name of the institution) Mogalakwena Municipality in accordance with the requirements and task directives / proposals specifications stipulated in Bid Number 01/2011 at the price/s quoted. My offer/s remain binding upon me and open for acceptance by the Purchaser during the validity period indicated and calculated from the closing date of the bid.
2. The following documents shall be deemed to form and be read and construed as part of this agreement:
  - (i) Bidding documents, viz
    - Invitation to bid;
    - Tax clearance certificate;
    - Pricing schedule(s);
    - Filled in task directive/proposal;
    - Preference claims for Broad Based Black Economic Empowerment Status Level of Contribution in terms of the Preferential Procurement Regulations 2011;
    - Declaration of interest;
    - Valid registration on the Central Data Base of National Treasury
    - Declaration of Bidder's past SCM practices;
    - Certificate of Independent Bid Determination;
    - Special Conditions of Contract; if applicable
  - (ii) General Conditions of Contract; and
  - (iii) Other (specify)
3. I confirm that I have satisfied myself as to the correctness and validity of my bid; that the price(s) and rate(s) quoted cover all the services specified in the bidding documents; that the price(s) and rate(s) cover all my obligations and I accept that any mistakes regarding price(s) and rate(s) and calculations will be at my own risk.
4. I accept full responsibility for the proper execution and fulfillment of all obligations and conditions devolving on me under this agreement as the principal liable for the due fulfillment of this contract.
5. I declare that I have no participation in any collusive practices with any bidder or any other person regarding this or any other bid.
6. I confirm that I am duly authorized to sign this contract.

NAME (PRINT) .....

WITNESSES	
1	.....
2	.....

CAPACITY .....

SIGNATURE .....

DATE: .....

**CONTRACT FORM - RENDERING OF SERVICES**

**PART 2 (TO BE FILLED IN BY THE PURCHASER)**

1. I.....in my capacity as ..... accept your bid under reference number ..... dated ..... for the rendering of services indicated hereunder and/or further specified in the annexure(s).
2. An official order indicating service delivery instructions is forthcoming.
3. I undertake to make payment for the services rendered in accordance with the terms and conditions of the contract, within 30 (thirty) days after receipt of an invoice.

DESCRIPTION OF SERVICE	PRICE (ALL APPLICABLE TAXES INCLUDED)	COMPLETION DATE	B-BBEE STATUS LEVEL OF CONTRIBUTION	MINIMUM THRESHOLD FOR LOCAL PRODUCTION AND CONTENT (if applicable)

4. I confirm that I am duly authorised to sign this contract.

SIGNED AT ..... ON .....

NAME (PRINT) .....

SIGNATURE .....

OFFICIAL STAMP

<b>WITNESSES</b>	
1	.....
2	.....

**DECLARATION OF BIDDER’S PAST SUPPLY CHAIN MANAGEMENT PRACTICES**

- 1 This Municipal Bidding Document must form part of all bids invited.
- 2 It serves as a declaration to be used by municipalities and municipal entities in ensuring that when goods and services are being procured, all reasonable steps are taken to combat the abuse of the supply chain management system.
- 3 The bid of any bidder may be rejected if that bidder, or any of its directors have:
  - a. abused the municipality’s / municipal entity’s supply chain management system or committed any improper conduct in relation to such system;
  - b. been convicted for fraud or corruption during the past five years;
  - c. willfully neglected, reneged on or failed to comply with any government, municipal or other public sector contract during the past five years; or
  - d. been listed in the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004).
- 4 **In order to give effect to the above, the following questionnaire must be completed and submitted with the bid.**

Item	Question	Yes	No
4.1	<p>Is the bidder or any of its directors listed on the National Treasury’s Database of Restricted Suppliers as companies or persons prohibited from doing business with the public sector?</p> <p>(Companies or persons who are listed on this Database were informed in writing of this restriction by the Accounting Officer/Authority of the institution that imposed the restriction after the <i>audi alteram partem</i> rule was applied).</p> <p><b>The Database of Restricted Suppliers now resides on the National Treasury’s website(<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) and can be accessed by clicking on its link at the bottom of the home page.</b></p>		
4.1.1	If so, furnish particulars:		
4.2	<p>Is the bidder or any of its directors listed on the Register for Tender Defaulters in terms of section 29 of the Prevention and Combating of Corrupt Activities Act (No 12 of 2004)?</p> <p>Register for Tender Defaulters can be accessed on the National Treasury’s website (<a href="http://www.treasury.gov.za">www.treasury.gov.za</a>) by clicking on its link at the bottom of the home page.</p>		

4.2.1	If so, furnish particulars:		
4.3	Was the bidder or any of its directors convicted by a court of law (including a court of law outside the Republic of South Africa) for fraud or corruption during the past five years?		
4.3.1	If so, furnish particulars:		
<b>Item</b>	<b>Question</b>	<b>Yes</b>	<b>No</b>
4.4	<b>dder or any of its directors owe any municipal rates and taxes or municipal charges to the municipality / municipal entity, or to any other municipality / municipal entity, that is in arrears for more than three months?</b>		
4.4.1	If so, furnish particulars:		
4.5	Was any contract between the bidder and the municipality / municipal entity or any other organ of state terminated during the past five years on account of failure to perform on or comply with the contract?		
4.7.1	If so, furnish particulars:		

CERTIFICATION

I, THE UNDERSIGNED (FULL NAME) .....  
 CERTIFY THAT THE INFORMATION FURNISHED ON THIS DECLARATION  
 FORM TRUE AND CORRECT.

I ACCEPT THAT, IN ADDITION TO CANCELLATION OF A CONTRACT,  
 ACTION MAY BE TAKEN AGAINST ME SHOULD THIS DECLARATION  
 PROVE TO BE FALSE.

.....  
 Signature

.....  
 Date

.....  
 Position

.....  
 Name of Bidder

## ANNEXURE A

### 470W LED FLOODLIGHT

**Direct replacement for 1000W HPS luminaire** w.r.t average illuminance on ground level.

Comparative photometrical data and horizontal and vertical illuminance graphs of 470W LED and 1000W HPS luminaires to be included in tender submission

Construction: Marine Grade EN 1706 AC-44300 Aluminium

LED's: 144 LEDS (470W) 4000 Kelvin

LED Current: 1000mA

Minimum Lumen Output: 117 Lumens per Watt

Protector: Shall be smooth for easy cleaning and shall be manufactured of tempered high impact glass (IK08)

LED and Driver unit replacement by means of easy access to the compartments

Lighting Distribution: Documentary proof of the lighting distribution to be attached to the tender by means of a photometric design with 0.8 maintenance factor.

Mounting height: 30m

MCB: Not required

Daylight switch: Not required

Luminaire colour: Powder Coated Pearl Light Grey R2022T

LED Colour: 4000 Kelvin Neutral White

The unit must be able to withstand surges of up to 10kV/10kA by means of an external surge protection device mounted inside the gear compartment and shall be easily replaceable.

The LED luminaire shall be designed to meet the criteria for high mast lighting.

The luminaire shall be SABS certified to operate at an ambient temperature of -40° up to 55°

**POWER SUPPLY:** Shall have a power factor rated at  $\geq 0.92$ . Shall be removable and shall be suitable for operation with the specified rating of the lamp on a 108-3015VAC 50Hz single phase system and be able to operate in temperatures from -40°C to +55°C. The control gear shall incorporate a thermal switch for protection when exceeding the case temperature. The unit shall be EMC compliant to EN55015 and EN61347-1 standard.

The thermal design of the luminaire shall be particularly designed for African exterior conditions, i.e. high temperatures, high pollution, corrosion resistant and shall be certified in terms of SANS (IEC)60598-2-5 specific to floodlights. The thermal design shall be of such a nature to offer thermal management of both the LED's and the power supply by the separation of the optical unit and the gear box

The unit shall further comply to IEC 55015 "Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment"

The LED life expectancy shall be 60,000 hours at 80% lumen maintenance at a current of 1000ma or 100,000 hours at 90% lumen maintenance at a current of 700ma ( Documentary evidence, from the LED manufacturer, by means of an appropriate datasheet, confirming the statistical correlation, shall be provided with this tender).

Each luminaires must carry a warranty that it is new, unused, without defects and further warrants that each luminaire supplied under this contract shall have a maximum lumen depreciation of no more than 10% of the original lumen output of the luminaire during the period of warranty. This warranty shall remain valid for thirty six (36) months after the goods or any portion thereof as the case may be, have been delivered.

**TECHNICAL DETAILS OF EQUIPMENT OFFERED**  
**470W LED FLOOD LIGHT LUMINAIRES**

Name of LED floodlight luminaire manufacturer: .....

Place of manufacture: .....

Manufacturer's identification reference: .....

Physical address of manufacturer: .....

.....

Type of luminaire LED: .....

What is the nominal lumen flux at Tq of 35°C: .....

Luminaire installation inclination angle: .....

Rated wattage: .....

LED current: .....

Class and type of luminaire: .....

Replacement for 1000W HPS luminaire w.r.t. average illuminance on ground surface (Yes/No): .....

.....

Comparative photometric data of 470W LED and 1000W HPS luminaires included in tender submission (Yes/No): .....

.....

Colour temperature: .....

.....

Luminaire efficacy lm/W: .....

Colour rendering index 65 (minimum): .....

Lumen Depreciation of the LED luminaire when installed for 50 000 hours (min) 80% of initial lumens: .....

Bears SANS 60529 Mark (Yes/No): .....

Degree of protection to SANS 60529: .....

Material of the LED luminaire: .....

Aluminium grade of housing: .....

Does the luminaire have a heat sink?: .....

Standard to which hot-dip galvanising all ferrous components comply with: .....

Steel grade for toggle clips, bolts, screws, nuts and washers: .....

Location of the LED drivers: .....

Sealed LED and driver unit replaceable without removal of luminaire: .....

Material of protector lens High impact glass or acrylic: .....

Material of gasket: .....

Driver specification with which drivers or power supply complies: .....

Driver manufacturer: .....

Voltage service range of driver: .....

Type of driver or power supply: .....

Power factor of the power supply 0.85 lagging (min) (Yes/No): .....

Operating frequency: .....

Harmonic distortion levels of driver or power supply to comply with SANS 61000-3-2: .....

.....

Gross mass of complete luminaire: .....

Have test reports been submitted with the tender documents: .....

Guarantee period: .....