



**INKOMATI-USUTHU CATCHMENT MANAGEMENT AGENCY**  
**20 Paul Kruger Street, ABSA Square Building-2<sup>nd</sup> Floor**  
**, Mbombela, 1200**  
**Private Bag X 11214, NELSPRUIT 1200**

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**IUCMA INVITES YOU TO RESPOND TO A REQUEST FOR QUOTATION (RFQ) AS INDICATED IN THE PROCUREMENT SCHEDULE**

**QUOTATION REFERENCE** : RFQ-Q005-EUTROPHICATION-2026  
**ISSUE DATE** : Thursday, 18 June 2026  
**CLOSING DATE AND TIME** : Friday, 26 June 2026 @ 10:00 AM  
**EMAIL** : [mavunac@iucma.co.za](mailto:mavunac@iucma.co.za)

**INVITATION TO QUOTATION AND INSTRUCTIONS TO BIDDERS**

**NOTE:**

1. Quotation must be on the **company letterhead** and made out to Supply Chain Management of the IUCMA, clearly indicating a **“Quotation Number and CSD Registration Number”**.
2. All prices must be quoted in South African Rand on a fixed price basis, inclusive of VAT.
3. Quotation must be clearly dated and valid for at least **60 days**.
4. If you are a VAT vendor, the VAT number must be indicated on the quotation.
5. Should your company not receive any response from IUCMA within 10 days of closing on the RFQ, Please accept that your quotation was unsuccessful.
6. **Standard Bidding Documents 4 and 6.1** should accompany the quotation.
7. No contract shall be concluded with any bidder whose tax matters are not in order.
8. ***Please note that no quotations received after the closing time will be considered.***

**CONDITIONS TO BE OBSERVED WHEN BIDDING**

- a) Quotations for the supply of goods or services described in this document are invited in accordance with the provision of Government Procurement: General Conditions of Contract available for download from <http://www.treasury.gov.za/divisions/ocpo/sc/GeneralConditions/>
  - b) IUCMA does not bind itself to accept the lowest or any RFQ, nor shall it be responsible for or pay any expenses or losses which may be incurred by the bidder in the preparation and delivery of the RFQ.
  - c) No RFQ shall be deemed to have been accepted unless and until a purchase order/letter of appointment is prepared and executed.
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# BIDDER'S DISCLOSURE

## 1. PURPOSE OF THE FORM

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

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

## 2. Bidder's declaration

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

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

| Full Name | Identity Number | Name of State institution |
|-----------|-----------------|---------------------------|
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |
|           |                 |                           |

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

2.2.1 If so, furnish particulars:  
 .....  
 .....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other

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

related enterprise whether or not they are bidding for this contract?

**YES/NO**

2.3.1 If so, furnish particulars:

.....  
.....

**3 DECLARATION**

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

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium<sup>2</sup> will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

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

I ACCEPT THAT THE STATE MAY REJECT THE BID OR ACT AGAINST ME IN TERMS OF PARAGRAPH 6 OF PFMA SCM INSTRUCTION 03 OF 2021/22 ON PREVENTING AND COMBATING ABUSE IN THE SUPPLY CHAIN MANAGEMENT

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

SYSTEM SHOULD THIS DECLARATION PROVE TO BE FALSE.

.....  
Signature Date

.....  
Position Name of bidder



## SBD 6.1

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

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

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

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#### 1. GENERAL CONDITIONS

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

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

#### 1.2 To be completed by the organ of state

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

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

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

#### 1.4 To be completed by the organ of state:

The maximum points for this tender are allocated as follows:

|  | <b>POINTS</b> |
|--|---------------|
| <b>PRICE</b>                                     | <b>80</b>     |
| <b>SPECIFIC GOALS</b>                            | <b>20</b>     |
| <b>Total points for Price and SPECIFIC GOALS</b> | <b>100</b>    |

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

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

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## 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:

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

Where

Ps = Points scored for price of tender under consideration

Pt = Price of tender under consideration

Pmin = Price of lowest acceptable tender

### 3.2. 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:

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

Where

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

**4. POINTS AWARDED FOR SPECIFIC GOALS**

- 4.1. In terms of Regulation 4(2); 5(2); 6(2) and 7(2) of the Preferential Procurement Regulations, preference points must be awarded for specific goals stated in the tender. For the purposes of this tender the tenderer will be allocated points based on the goals stated in table 1 below as may be supported by proof/ documentation stated in the conditions of this tender:
- 4.2. In cases where organs of state intend to use Regulation 3(2) of the Regulations, which states that, if it is unclear whether the 80/20 or 90/10 preference point system applies, an organ of state must, in the tender documents, stipulate in the case of—
- (a) an invitation for tender for income-generating contracts, that either the 80/20 or 90/10 preference point system will apply and that the highest acceptable tender will be used to determine the applicable preference point system; or
  - (b) any other invitation for tender, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable tender will be used to determine the applicable preference point system,
- then the organ of state must indicate the points allocated for specific goals for both the 90/10 and 80/20 preference point system.

**Table 1: Specific goals for the tender and points claimed are indicated per the table below.**

*(Note to organs of state: Where either the 90/10 or 80/20 preference point system is applicable, corresponding points must also be indicated as such.*

*Note to tenderers: The tenderer must indicate how they claim points for each preference point system.)*

| The specific goals allocated points in terms of this tender                            | Number of points allocated (80/20 system) (To be completed by the organ of state) | Number of points claimed (80/20 system) (To be completed by the tenderer) |
|--|---|---|
| Enterprises with ownership of 51% or more by person/s who are black                    | 10  |   |
| Enterprises with ownership of 30% or more by person/s who are women                    | 5   |   |
| Enterprises with ownership of 25% or more by person/s who are youth or with disability | 3   |   |
| B-BBEE Status level contributors from level 1 to 2 contributors which are EME or QSE   | 2   |   |
| <b>Total</b>   | <b>20</b>   |   |

| Returnable documents to claim points   | Please tick here for the attached document |
|--|--|
| Valid BBBEE certificate / sworn affidavit. Consolidated BBBEE certificate / sworn affidavit in case of joint venture |  |
| Full CSD report or CSD registration number   |  |
| CIPC registration documents  |  |

**DECLARATION WITH REGARD TO COMPANY/FIRM**

4.3. Name of company/firm.....

4.4. Company registration number: .....

4.5. TYPE OF COMPANY/ FIRM

- |   |  |
|---|--|
| <input type="checkbox"/> Partnership/Joint Venture / Consortium |  |
| <input type="checkbox"/> One-person business/sole propriety     |  |
| <input type="checkbox"/> Close corporation                      | <input type="checkbox"/> Public Company      |
| <input type="checkbox"/> Personal Liability Company             | <input type="checkbox"/> (Pty) Limited       |
| <input type="checkbox"/> Non-Profit Company                     | <input type="checkbox"/> State Owned Company |

[TICK APPLICABLE BOX]

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

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 4.2, the contractor may be required to furnish documentary proof to the satisfaction of the organ of state that the claims are correct;
- iv) If the specific goals have been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the organ of state may, in addition to any other remedy it may have –
  - (a) disqualify the person from the tendering process;
  - (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
  - (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
  - (d) recommend that the tenderer or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
  - (e) forward the matter for criminal prosecution, if deemed necessary.

|   |   |
|---|---|
| <p><b>SURNAME AND NAME:</b> .....</p> <p><b>DATE:</b> .....</p> <p><b>ADDRESS:</b> .....</p> <p>.....</p> <p>.....</p> <p>.....</p> | <p style="text-align: center;">.....</p> <p style="text-align: center;"><b>SIGNATURE(S) OF TENDERER(S)</b></p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> |
|---|---|



TOR for the appointment of professional service provider for the of eutrophication monitoring near real time using remote sensing for a period of 36 months



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**INKOMATI-USUTHU CATCHMENT MANAGEMENT AGENCY**

**2nd Floor, ABSA Square Building, 20 Paul Kruger Street, Mbombela, 1200  
Private Bag X 11214, NELSPRUIT 1200**

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**TERMS OF REFERENCE**

**FOR THE APPOINTMENT OF PROFESSIONAL SERVICE PROVIDER FOR THE PROVISION OF EUTROPHICATION MONITORING NEAR REAL TIME USING REMOTE SENSING FOR A PERIOD OF THIRTY-SIX (36) MONTHS WITHIN INCO-MAPUTO RIVER BASIN.**

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**1. INTRODUCTION AND BACKGROUND**

**1.1 INTRODUCTION**

The Inkomati-Usuthu Catchment Management Agency (IUCMA) is a water resource management institution established under Section 78 of the National Water Act (Act 36 of 1998, NWA) having jurisdiction over the Inkomati-Usuthu Water Management Area (WMA). The Resource Planning and Monitoring (RPM) division is responsible for water quality monitoring within the WMA. As part of this function, Eutrophication monitoring is one of the water quality monitoring programmes conducted by water quality sub-division.

The Inkomati-Usuthu WMA forms part of a transboundary basin which is shared between the Republic of South Africa, the Republic of Mozambique and the Kingdom of Eswatini. The IUCMA manages the South African part of the basin with implication for compliance to international obligations as stipulated in the Interim Inco-Maputo Agreement. The use of the remote eutrophication monitoring system has enhanced the ability of the IUCMA to identify and report on the development of algal blooms in an agile manner. The management of eutrophication is not only important for compliance with international obligations, but for the health of the water resources and for safeguarding human health by warning water users about the risks of toxic algal growth.

## 1.2 BACKGROUND

Chapter 14 of the National Water Act, (Act 36 of 1998; NWA) requires the Minister to establish national monitoring systems in terms of section 137 for the collection of appropriate data and information. The system that is adequate and responsive to the present and future challenges of efficient management of the country's water resources. The national monitoring system provides data and information necessary to assess the quantity of water in the various water resources, **quality of the water resources**, use of water, rehabilitation of the water resources, **compliance to Resource Quality Objectives (RQOs)** and the health of aquatic ecosystems.

Monitoring water resources quality is an inherent function of the catchment management agency and critical in the management of water resources. There are different types of monitoring such as physico-chemical, bacteriological, and eutrophication monitoring. Eutrophication monitoring involves the monitoring of variables that are indicators of nutrient enrichment in the water resources and are responsible for the propagation of algae.

The IUCMA conducts eutrophication monitoring through monthly grab sampling in all the strategic reservoirs within the water management area. Eutrophication monitoring is important in identifying the growth of algae in the water resources so that appropriate interventions can be taken to stop the causes of the algal growth, but also to warn water users of the possible negative impacts of using water that infested with algal growth such as toxicity from cyanobacteria and other toxic algae. Remote eutrophication monitoring services complements routine eutrophication monitoring conducted through monthly grab sampling and optimizes the eutrophication monitoring program resulting in quicker identification of the growth of algae in the water resources. This is because remote eutrophication monitoring is conducted at a higher frequency with results generated quicker to enable decision making and intervention when necessary as well as sharing of information with stakeholders.

## 2. AIMS AND OBJECTIVES

### 2.1 Aim:

Provision of near real-time eutrophication monitoring of water bodies by measuring optical water quality indicators like chlorophyll-a, turbidity, and colored dissolved organic matter (CDOM) using satellite imagery via web and mobile application.

### 2.2 Objectives:

- To Identify trophic status (e.g., oligotrophic to hypertrophic) in reservoirs to support water resource management and ecological assessment.
- To track cyanobacteria surface scums in order to mitigate health risks from algal toxins.
- To provide current and forecast information on cyanobacteria blooms and water pollution in lakes and reservoirs via web and mobile application.
- To provide weekly forecasts for cyanobacteria blooms based on remotely sensed phenology to facilitate early warning through the web and mobile application.
- To integrate medium and high-resolution maps showing cyanobacteria blooms and high-resolution value-added layers from satellite instruments into the web and mobile applications.

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### **3. LOCALITY**

The study location is the Inco-Maputo River Basin within the Inkomati-Usuthu WMA, and the monitoring will be conducted on pre-identified thirteen (13) sites. The following reservoirs/ lakes will be covered by the proposed remote eutrophication monitoring contract:

- Injaka Dam
- Kwena Dam
- Corumana Dam
- Nooitgedacht Dam
- Vygeboom Dam
- Boesmansspruit Dam
- Driekoppies Dam
- Maguga Dam
- Morgenstond Dam
- Heyshope Dam
- Jericho Dam
- Westoe Dam
- Chrissiesmeer Lake

### **4. DOCUMENTS**

These terms of reference should be read in conjunction with the Conditions of Contract, Special Conditions of Contract, Pricing Schedule, and all Appendices which form the basis of this Contract, and all shall be deemed to be one document.

### **5. EXTENT OF WORK**

#### **5.1 General**

- The remote eutrophication monitoring via web and mobile application services to be provided by the PSP must be in accordance with these terms of reference.
- A kick-off meeting will be held upon appointment to ensure that the project is performed in accordance with the budget and scope.
- Project management meeting(s) with the IUCMA will be held for purposes of reporting on project progress at frequencies suitable for reporting on deliverables or as and when required.

#### **5.2 Scope of work**

- Provide 36 months premium subscription to the web and mobile application(s) for the 13 pre-identified reservoirs/or lakes (Injaka, Kwena, Corumana, Nooitgedacht, Vygeboom, Driekoppies, Maguga, Morgenstond, Heyshope, Jericho, Westoe, Boesmansspruit and Chrissiesmeer Lake) with custom login, resolution imagery, notification alert and forecast.
- Assess the performance of satellite-derived variables by comparing them with ground truth measurements taken by IUCMA or Department of Water and Sanitation (DWS).
- Guaranteed 99% uptime, support and training for IUCMA officials.
- Improvement of the web and mobile application as when required by IUCMA.

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### 5.3 Deliverables

- Monitoring of chlorophyll-a, cyanobacteria, floating vegetation and more from algorithm computer code using satellite remote sensing data.
- upload and visualise the ground truth data (chlorophyll-a, phytoplankton counts and identification, turbidity, suspended solids and secchi disk depth) and compare with satellite data.
- Generate reports from satellite derived statistics on the eutrophication status of the pre-identified waterbodies.
- Near real-time (3 hours) alerts notification via email (aside from mobile notifications).
- Provide actionable information for decision making in near-real time powered by satellite imagery.
- High and medium resolution maps generated from multiple satellite sources for 13 water bodies daily (depending on the cloud coverage).
- API for automated download and integration into IUCMA website.
- To prepare periodic progress and financial reports and submit these to the IUCMA.
- Future upgrades, features and improvements of Web and Mobile applications.
- Provide online training and technical support

### 5.4 Data Management

All raw data and information collected in the project shall be captured and stored in a format accessible by the IUCMA.

### 5.5 Invoices

- Invoices should indicate the task(s) and should be linked to specific deliverables and disbursements,
- The IUCMA will only remunerate work completed to its satisfaction,
- Payments can be expected within 30 days of the submission of the invoice, and
- Invoices will be accepted for processing by the IUCMA monthly and should contain the following minimum information:
  - Name and addresses of supplier;
  - Contact details;
  - Name of contact person;
  - VAT number if applicable; and
  - Order number.

## 6 INFORMATION TO BE PROVIDED IN THE PROPOSAL BY THE PSP

- **In line with the deliverables**, the bidders must submit technical proposals that provide information that will ensure that an informed evaluation and comparison with other bids received could be made.
- **Annexures A** must be fully completed by **hand** and **must not be retyped** (Please indicate N/A where it is not applicable).

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## 7. **EVALUATION AND SELECTION CRITERIA**

IUCMA will use pre-determined evaluation criteria when considering received bids. The evaluation criteria will consider the commitment made for compliance/mandatory requirements, compulsory technical requirements, functionality, and Price & B-BBEE. During the evaluation of received bids, IUCMA will assess whether all the bids comply with set minimum requirements and whether all returnable documents/information have been submitted. Bidders who fail to meet minimum requirements, and thresholds or have not submitted required mandatory documents will be disqualified from the tender process.

The requirements of any given stage must be complied with prior to progression to the next stage. IUCMA reserves the right to disqualify bidders without requesting any outstanding documents/information.

The bid will be evaluated and adjudicated in phases as follows: -:

- Phase 1 – Compliance/Mandatory requirements
- Phase 2 – Compulsory technical requirements
- Phase 3 - Functional requirements
- Phase 4 – Price and B-BBEE evaluation

### **Phase 1: Compliance/ Mandatory Requirements**

Without limiting the generality of the IUCMA’s other critical requirements for this bid, the bidder(s) must submit the documents listed in the table below. All documents must be completed and signed by the duly authorized representative of the prospective bidder(s). During this phase Bidders’ responses will be evaluated based on compliance with the listed administration and mandatory bid requirements. The bidder(s) proposal will be disqualified for non-submission of any of the documents.

#### **Documents that must be submitted for Compliance/ Mandatory Requirements**

| <b>A document that must be submitted</b>  | <b>Yes/No</b> | <b>Non-submission will result in disqualification?</b>  |
|---|---------------|---|
| <b>Permission in terms of POPI Act to utilise the information contained in documents for procurement purposes</b> | <b>Yes</b>    | Complete and sign the supplied pro forma document.  |
| <b>Invitation to Bid – SBD 1</b>  | <b>Yes</b>    | Complete and sign the supplied pro forma document.  |
| <b>Declaration of Interest – SBD 4</b>  | <b>Yes</b>    | Complete and sign the form in line with principles of transparency, accountability, impartiality and ethics as enshrined in the constitution of the republic of South Africa and further expressed in various pieces of legislation. It is required for the bidder to make this declaration in respect of the details required hereunder. |

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| A document that must be submitted  | Yes/No     | Non-submission will result in disqualification?   |
|--|------------|---|
| <b>Preference Point Claim Form – SBD 6.1</b>   | <b>No</b>  | Non-submission will lead to a zero (0) score on BBBEE   |
| <b>Valid BEE certificate (accredited by SANAS) or Sworn affidavit (DTI or CIPC Template)</b>   | <b>No</b>  | Non-submission will lead to a zero (0) score on BBBEE   |
| <b>Registration on Central Supplier Database (CSD)</b>   | <b>No</b>  | The bidder must be registered as a service provider on the CSD.<br><br>Submit CSD full registration report (CSD full registration report must NOT be older than <b>10 days</b> from the closing date and a summary report will NOT be considered)   |
| <b>Original Equipment Manufacturer (OEM) of eutrophication remote monitoring via web and mobile application using satellite imagery within South Africa.</b> | <b>Yes</b> | The bidder must submit an <b>OEM certificate</b> /or letter (with manufacturer’s signature, official seal, and company letterhead) of the eutrophication remote via web and mobile application using satellite imagery or <b>Letter of Agreement</b> to establish the legal relationship between the original equipment manufacturer and a distributor, partner, or reseller. |

*NB: No award will be made to an entity which is not registered on the CSD (Central Supplier Database) with National Treasury*

*NB: No Bid will be awarded to any person whose tax matters have not been declared in order by South African Revenue Service*

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### Phase 3: Functionality Requirements

The evaluation of functionality will be made by individual members of the Bid Evaluation Committee in accordance with the functionality criteria out of a maximum of 100 points. **Only bidders that score 75 points out of 100 in functionality will proceed to the next phase of evaluation namely price and specific goals evaluation.**

**Table 1** The evaluation criteria

| Item | Description  | Weighting |
|------|--|-----------|
| 1    | <p><b>4.1 Key personnel – Project Manager/Director</b></p> <p><b>Project Manager/Director Qualification(s):</b></p> <ul style="list-style-type: none"> <li>• Project Manager/Director with PhD in Natural Science =<b>50 points</b></li> <li>• Project Manager/Director with MSc in Natural Science =<b>40 points</b></li> <li>• Project Manager/Director with BSc Honours in Natural Science =<b>30 points</b></li> <li>• Project Manager/Director with BSc degree in Natural Science =<b>20 points</b></li> <li>• Project Manager/Director with Diploma in Natural Science=<b>10 points</b></li> </ul> <p><b>Proof Required:</b></p> <ul style="list-style-type: none"> <li>- Certified copies of academic qualifications (not older than 6 months)</li> </ul> | <b>50</b> |
|      | <p><b>4.2 Project Manager/Director Registration:</b></p> <ul style="list-style-type: none"> <li>• Project Manager/Director registered with South African Council for Natural Scientific Professions (SACNAPS) as a Professional Natural Scientist (Pr.Sci.Nat.) =<b>25 points</b></li> <li>• Project Manager/Director registered with SACNAPS as a Certificated Natural Scientist (Cert. Sci. Nat.) =<b>15 points</b></li> <li>• Project Manager/Director registered SACNAPS as a Candidate Natural Scientist (Cand. Sci. Nat.) =<b>5 points</b></li> </ul> <p><b>Proof Required:</b></p> <ul style="list-style-type: none"> <li>- Certified copy of SACNAPS Registration Certificate (not older than 6 months)</li> </ul>                                       | <b>25</b> |

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| Item         | Description  | Weighting  |
|--------------|--|------------|
|              | <p><b>4.3 Project Manager/Director experience:</b></p> <ul style="list-style-type: none"> <li>• Project Manager/Director with 5 years’ experience or more in remote eutrophication monitoring =<b>25 points</b></li> <li>• Project Manager/Director with 2- 4 years’ experience in remote eutrophication monitoring =<b>15 points</b></li> <li>• Project Manager/Director with less than 2 years’ experience in remote eutrophication monitoring =<b>10 points</b></li> </ul> <p><b>Proof Required:</b></p> <ul style="list-style-type: none"> <li>- Detailed Curriculum Vitae (CV) of the Project Manager/Director, clearly indicating relevant years of experience. The Curriculum Vitae (CVs) of the Project Manager/Director should form annexures to the proposal submitted with the bid.</li> <li>-</li> </ul> | <b>25</b>  |
| <b>TOTAL</b> |  | <b>100</b> |

**NB:** It is mandatory for all bidders to submit the curriculum vitae of all their personnel.

- Bids that fail to achieve a minimum threshold for functionality will be disqualified. This means that such bids will not be evaluated for Preference Points System.

**Phase 4: – Price and specific goals criteria**

- Only bidders that have met or exceeded the minimum threshold for functionality in the technical evaluation, will be evaluated further in terms of preference point system.
- Bids will be evaluated in terms of the prevailing Supply Chain Management policy applicable to IUCMA and it should be noted that bids will be assessed using the 80/20 formula (preference points system) for price and specific goals as per the PPPFA and IUCMA Preferential Procurement Policy.

| PREFERENCE POINT SYSTEM                                | POINTS     |
|--|------------|
| Price Ps = $80 \left(1 - \frac{\quad}{P_{min}}\right)$ | 80         |
| Specific Goals (refer to requirements below)           | 20         |
| <b>Total points for Price and Specific Goals</b>       | <b>100</b> |

Where,

Ps = Points scored for comparative price of bid under consideration

Pt = Comparative price of bid under consideration

Pmin = Comparative price of lowest acceptable bid

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The 20 specific goals points will be allocated as follows:

| #            | Specific goals evaluation Criteria  | Max Points | Evidence to be submitted  |
|--------------|---|------------|---|
| 1            | Enterprises with ≥51% black ownership   | 5          | EME/QSE: Sworn affidavit (DTI or CIPC template); Generic entities: SANAS-accredited B-BBEE certificate, medical report and CSD report |
| 2            | Enterprises with ≥30% women ownership<br>Enterprises with ≥25% youth ownership<br>Enterprise with ≥25% disabilities ownership | 13         |   |
| 3            | B-BBEE level 1 or 2 contributors (EME/QSE)  | 2          |   |
| <b>Total</b> |   | <b>20</b>  |   |

## 9. SERVICE LEVEL AGREEMENT

- The acceptance of any proposal is only valid upon the conclusion of a written SLA between the IUCMA and the successful Service Provider, in terms of which the rights and duties of the parties are recorded, which agreement shall regulate the relationship between the IUCMA and the successful Service provider.
- Until such time that an appropriate SLA has been concluded between the IUCMA and the successful Service Provider, no rights shall be conferred, nor shall any legitimate expectations be conferred to the successful service provider to carry out the works or services provided for in this document.
- This document is not to be edited or altered as it forms part of the contract. Any contract amendments are to be raised with the IUCMA for legal consideration.

## 10. SPECIAL OF CONDITIONS

- IUCMA reserves the right to verify the proof of qualifications and professional membership furnished.

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**ANNEXURE A**

NB: Consumer Price Index (CPI)-related escalation of fees is allowed for since the project is multi-year based. All approved cost increases will be handled as Variation Orders on the original cost estimate after approval by the Project Analyst(s) of the IUCMA.

**Table 1. Monthly remote eutrophication monitoring at 13 pre-identified reservoirs/lakes**

| <b>Cost</b>  | <b>Cost for monthly subscription for remote eutrophication monitoring using web application(s).<br/>(Fixed cost for 3 years)</b> | <b>Cost for monthly subscription for remote eutrophication monitoring using mobile application(s).<br/>(Fixed cost for 3 years)</b> |
|--|--|---|
| <b>Cost without VAT</b>  |  |   |
| <b>Cost with VAT</b>   |  |   |
| <b>Total Cost including VAT<br/>(Web + Mobile application)</b> |  |   |

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**SUBMISSION OF PROPOSALS**

- Original proposals need to be hand-delivered or couriered and deposited in the tender box at the following address clearly marked for attention Supply Chain Management on or before the closing date and time.
- If a courier service company is being used for delivery of the bid document, the bidder description must be endorsed on the delivery note/courier packaging and the courier must ensure that documents are placed / deposited into the bid box.
- The IUCMA will not be held responsible for any bid document which is not timeously delivered, mislaid or incorrectly delivered due to the negligence of the courier company or any other party involved in the delivery of the bid document.

Physical Address:

Inkomati-Usuthu Catchment Management Agency  
2nd Floor, ABSA Square Building, 20 Paul Kruger Street, Mbombela, 1200

Postal Address:

Inkomati-Usuthu Catchment Management Agency  
Private Bag X11214  
Mbombela  
1200

**Contact Person/s**

| Supply Chain Management Enquiries  | Technical Enquiries   |
|--|---|
| Ms Thandi Ngele<br>Tel: 013 753 9000<br>E-mail: <a href="mailto:ngelet@iucma.co.za">ngelet@iucma.co.za</a> | Mr Mamaropeng Selepe<br>Tel: 013 753 9000<br>E-mail: <a href="mailto:selepm@iucma.co.za">selepm@iucma.co.za</a> |