



DEPARTMENT OF WATER AND SANITATION

DUE AT 11:00 ON

CLOSING DATE:

11 DECEMBER 2025

WTE-2533ES:

SUPPLY, DELIVERY AND INSTALLATION OF A BUOY LINE AT HLUHLUWE DAM WITHIN A PERIOD OF 4 MONTHS

SUBMIT BID DOCUMENTS TO:

POSTAL ADDRESS:

OR

TO BE DEPOSITED IN:

WATER AND SANITATION
PRIVATE BAG X 24
HOWICK, 3290

THE BID BOX AT THE ENTRANCE
GATE OF MIDMAR DAM
R103 PROSPECT ROAD
MIDMAR DAM
HOWICK, 3290

COMPULSORY BRIEFING SESSION

DATE: 27 NOVEMBER 2025

TIME: 11:00AM

VENUE: HLUHLUWE DAM – WATER CONTROL OFFICE

BIDDER: (Company Address OR Stamp)

**COMPILED BY:
DEPARTMENT OF WATER AND SANITATION
OPERATIONS EASTERN: MIDMAR DAM**



DEPARTMENT OF WATER AND SANITATION

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T1 TENDERING PROCEDURES

T1.1 INSTRUCTIONS TO BIDDERS

1. ISSUING OF DOCUMENTS

- (a) A complete set of bid document is issued to a prospective Bidder.
- (b) Bidders must satisfy themselves that the document is complete and conform to the index of this document. Should any figures or writing be indistinct or should any pages be missing from this document or should this document or the drawing(s) contain any obvious errors, the Bidders must immediately notify the Department to have any discrepancy rectified or clarified before submitting his bid. Such clarification will be valid only if made by the Department by means of formal amendment as described hereunder prior to the date of submission of bids. The Department may issue amendments to clarify or modify the Bid Documents. A copy of each amendment will be issued to each bidder and shall be acknowledged on the form issued with the amendments. No claim whatsoever will be entertained for faults in the bid price resulting from the above-mentioned discrepancies.
- (c) No alterations, omissions or additions shall be made to this document, but should it be deemed necessary to do so, the Bidder is at liberty to qualify his bid.
- (d) All Bidders shall be deemed to have waived, renounced and abandoned any conditions printed or written upon any stationery used by them for the purpose of or in connection with the submission of bids which are in conflict with the conditions laid down in this document.
- (e) Each page of the completed document that will be submitted should be initialled by the Bidder at the bottom of the page.

2. QUERIES WITH RESPECT TO THIS BID

Queries of a specific technical nature may be discussed personally or telephonically with **Mr. Nirdosh Punchum at 0332391266 / punchumn@dws.gov.za** or may be directed in writing to: The Director: Eastern Operations, Department of Water and Sanitation, Private bag X24, Howick.

3. COMPLETION OF BIDS

- (a) The bid must be signed on the Invitation to Bid form (SBD 1) annexed hereto with all blanks in the bid and the appendix filled in.
- (b) All spaces in the bid forms and other annexures shall be completed in full.
- (c) **SBD 3.1 in the bid document and the Pricing Schedule must be fully completed and priced out by the bidder. Failure to do so will deem your bid invalid.**
- (d) The bid documents shall not be separated in any way, nor must any pages be detached from the original documents.

4. SUBMISSION OF BIDS

The Bid Document shall be completed, signed and submitted as follows:

- (a) The original Bid, together with a covering letter and supporting documents, shall be sealed in an envelope endorsed:

ORIGINAL BID FOR WTE-2533ES: SUPPLY, DELIVERY AND INSTALLATION OF A BUOY LINE AT HLUHLUWE DAM WITHIN A PERIOD OF 4 MONTHS

- (b) Bids sealed and endorsed as above, will be received by: The Supply Chain Management Office or may be deposit in the bid box at the entrance of **Department of Water and Sanitation, R103 Prospect Road, Howick** and not later than **11:00** on the date stipulated on the front cover of this document.

5. SIGNATURE ON BIDS

The Bid, if by an individual, must be signed by that individual or by someone on his behalf duly authorised thereto and **proof of such authority must be produced**. If the bid is by a Company, it must be signed by a person duly authorised thereto by a Resolution of a Board of Directors a copy of which Resolution, duly certified by the Chairman of the Company is to be submitted with the bid.

The successful bidder will be required to submit a "Letter from the manufacturer" confirming the supply arrangement within 14 days after the approval of the bid.

If the bid is submitted by joint venture of more than one person and/or Companies and/or firms it shall be accompanied by the following:

- (a) The original or a notarially certified copy of the original document under which such joint venture was constituted which must define precisely inter alia the conditions under which the joint venture will function, its period of duration and the participation of the several constituent persons and/or companies and/or firms.
- (b) A certificate signed by or on behalf of each participating person and/or company and/or firm authorising the person who signed the bid to do so.

6. GENERAL CONDITIONS OF CONTRACT

The General Conditions of Contract, as attached shall be regarded as an integral part of the contract documents.

7. PERIOD OF VALIDITY OF QUOTATIONS

All quotations shall remain valid for a period of **one hundred and twenty days (120)** after the closing time and date set.

8. TELEGRAPHIC BIDS

No bid forwarded by telegram, telex, facsimile, e-mail or similar apparatus will be considered.

9. THE DEPARTMENTS RIGHT TO DECLINE ANY BID

The Department does not bind itself to accept the lowest or any bid. Bids not complying with the above-mentioned requirements and specifications may be regarded as incomplete and may not be considered.

10. ACCEPTANCE OR REJECTION

Quotations may be rejected if they show any departure from the conditions or specifications contained in the quotation documents or are incomplete in any way. The employer **does not bind him** to accept the lowest or any quotation and reserves the right to accept any quotation he may deem expedient, nor will he assign any reason for the acceptance or rejection of any quotation.

11. DEPARTMENT NOT LIABLE FOR BIDDER'S EXPENSES

The Department will not be held liable for any expenses incurred in preparing and submitting bids.

12. PAYMENTS UNDER THE CONTRACT

All payments due to the Bidder in terms of the contract will be done by means of Electronic Fund Transfer.

13. CONTRACT DURATION

The total contract period for the completion of scope of work to be not more than 4 months.

T1.2 EVALUATION CRITERIA

DWS will evaluate all proposals according to the preferential Procurement Regulations 2022 and submissions will be adjudicated on 80/20 system and the evaluation criteria. Four phase evaluations will be considered in evaluating the bid. Upon receipt of the proposals, the evaluation criteria shown below will be used to select a suitable bidder.

The evaluation process includes the following phases:

- Phase 1: Mandatory Compliance
- Phase 2: Administration Compliance
- Phase 3: Technical Compliance
- Phase 4: Price and Specific Goals (80/20) preferential system)

Phase 1: Mandatory Compliance

Bidder must comply with the following requirements. Failure to submit the documents listed below will render your bid no-responsive and will be disqualified.

No	Criteria	Yes	No
1.	Attendance of compulsory briefing session and service provider to sign the attendance register during the briefing session		
2	Attach valid CIBD certificate minimum Grading 1 CE/ GB		
3.	Fully Completed bill of quantities		
4	Fully Completed pricing schedule (SBD 3.1)		

Phase 2: Technical Compliance

The following technical Compliance will be required.

Failure to submit any of the documents / items as listed below will render your bid non-responsive and will be disqualified.

NOTE: Only ORIGINAL Certified Copies to be submitted. No copies of copies are allowed.

NO.	CRITERIA	YES	NO
1.	The manufacturer shall have an ISO 9001 accredited Quality Management System. Proof MUST be submitted.		
2.	The manufacturer shall be a Member of the Association of Rotational Moulders of Southern Africa (ARMSA); or similar Association. Proof MUST be submitted.		
3.	A copy of the product data sheet for the LLDPE must be supplied with the offer.		

Phase 3: Administrative Compliance

Bidders are required to comply with the following listed below.

No	Criteria	Yes	No
1.	Companies must be registered with National Treasury's Central Supplier database must submit CSD report. Provide MAAA number on SBD1.		
2.	Tax compliant with SARS (to be verified through CSD and SARS). Attach Tax Compliant status PIN page.		
3	Active registration with Company Intellectual Property Commission (to be verified through CSD and CIPC). Attach copy of Bidder's CIPC/CIPRO certificate.		
4	A valid copy of B-BBEE Status Level Verification Certificate or a valid original sworn affidavit (failure to submit, the Bidder will forfeit the relevant points allocated for B-BBEE under specific goals).		
5	Initial and sign Tender data section (T1 & T2) and all required documents to be submitted with tender. Initial each page of section C1, C2 and C3 and sign where required.		
6	Letter of appointment of duly authorized person to sign bid. Proof of such authority must be submitted with the bid. If by an individual, must be signed by that individual or by someone on his behalf duly authorised thereto and proof of such authority must be produced. If the bid is by a company, it must be signed by a person duly authorised thereto by a Resolution of a board of Directors a copy of which Resolution, duly certified by the Chairman of the Company is to be submitted with the bid.		
7	Complete, sign, submit SBD1, SBD4, SBD6.1, ANNEXURE C		

PHASE 4: PRICE AND SPECIFIC GOALS

The 80/20-point system will be used in evaluating all proposals.

Evaluation element	Weighting (Points)
SPECIFIC GOALS	20
PRICE	80
Total	100

Price

A maximum of 80 points are allocated for price on the following basis

$$P_s = 80 \left(1 - \frac{P_t - P_{\min}}{P_{\min}} \right)$$

Where:

- P_s = Points scored for comparative price of bid under consideration
 P_t = Comparative price of bid under consideration
 $P_{\min}$ = Comparative price of lowest acceptable bid

Preference Point System (Specific Goals)

SPECIFIC GOALS	NUMBER OF POINTS TO BE ALLOCATED
Women	5
People with disability	5
Youth (35 and below)	5
Location of enterprise (Province)	2
B-BBEE status level contributors from level 1 to 2 which are QSE or EME	3
Total points for SPECIFIC GOALS	20

Documents requirement for verification of points allocation:

Procurement Requirement	Required Proof Documents
Women	Full CSD Report
Disability	Full CSD Report
Youth	Full CSD Report
Location	Full CSD Report
B-BBEE status level contributors from level 1 to 2 which are QSE or EME	Valid BBBEE certificate/sworn affidavit Consolidated BEE certificate in cases of Joint Venture Full CSD Report

The definition and measurement of the goals above is as follows:

Women, disability, and youth:

This will be measured by calculating the pro-rata percentage of ownership of the bidding company which meets this criterion. E.g., Company A has five shareholders each of whom own 20% of the company. Three of the five shareholders meet the criterion, i.e. they are women/disability/youth. Therefore, this bidder will obtain 60% of the points allowable for this goal.

Location of enterprise

Local equals province. Where a project cuts across more than one province, the bidder may be located in any of the relevant provinces to obtain the points.

B-BBEE status level contributors from level 1 to 2 which are QSE or EME

Measured in terms of normal BBBEE requirements.

Note: Formula for calculating points for specific goals

Preference points for entities are calculated on their percentage shareholding in a business, provided that they are actively involved in and exercise control over the enterprise. The following formula is prescribed:

$$PC = \frac{Mpa \times P\text{-own}}{100}$$

Where

PC= Points awarded for specific goal

Mpa= The maximum number of points awarded for ownership in that specific category

P-own = The percentage of equity ownership by the enterprise or business

Should you require any further information in this regard, please do not hesitate to contact:

Name:	Nirdosh Punchum
Tel:	033 2391266
Mobile:	060 5874655
Email:	punchumn@dws.gov.za

SBD 1: INVITATION TO BID

YOU ARE HEREBY INVITED TO BID FOR REQUIREMENTS OF THE (NAME OF DEPARTMENT/ PUBLIC ENTITY)					
BID NUMBER: WTE-2533ES		CLOSING DATE: 11 DECEMBER 2025		CLOSING TIME: 11:00am	
DESCRIPTION SUPPLY, DELIVERY AND INSTALLATION OF A BUOY LINE AT HLUHLUWE DAM WITHIN A PERIOD OF 4 MONTHS					
BID RESPONSE DOCUMENTS MAY BE DEPOSITED IN THE BID BOX SITUATED AT (STREET ADDRESS)					
THE BID BOX AT THE ENTRANCE OF WATER AND SANITATION – MIDMAR DAM					
R103 PROSPECT STREET					
HOWICK, 0001					
BIDDING PROCEDURE ENQUIRIES MAY BE DIRECTED TO			TECHNICAL ENQUIRIES MAY BE DIRECTED TO:		
CONTACT PERSON	Eric Sikhakhane		CONTACT PERSON	Mr. N. Punchum	
TELEPHONE NUMBER	033 239 1252			033 239 1266	
FACSIMILE NUMBER					
E-MAIL ADDRESS	SikhakhaneE@dws.gov.za		E-MAIL ADDRESS	punchumn@dws.gov.za	
SUPPLIER INFORMATION					
NAME OF BIDDER					
POSTAL ADDRESS					
STREET ADDRESS					
TELEPHONE NUMBER	CODE		NUMBER		
CELLPHONE NUMBER					
FACSIMILE NUMBER	CODE		NUMBER		
E-MAIL ADDRESS					
VAT REGISTRATION NUMBER					
SUPPLIER COMPLIANCE STATUS	TAX COMPLIANCE SYSTEM PIN:		OR	CENTRAL SUPPLIER DATABASE No:	MAAA
B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE	TICK APPLICABLE BOX] ☐ Yes ☐ No		B-BBEE STATUS LEVEL SWORN AFFIDAVIT		TICK APPLICABLE BOX] ☐ Yes ☐ No
[A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE/ SWORN AFFIDAVIT (FOR EMES & QSEs) MUST BE SUBMITTED IN ORDER TO QUALIFY FOR PREFERENCE POINTS FOR B-BBEE]					
ARE YOU THE ACCREDITED REPRESENTATIVE IN SOUTH AFRICA FOR THE GOODS /SERVICES /WORKS OFFERED?	☐ Yes ☐ No [IF YES ENCLOSE PROOF]		ARE YOU A FOREIGN BASED SUPPLIER FOR THE GOODS /SERVICES /WORKS OFFERED?		☐ Yes ☐ No [IF YES, ANSWER THE QUESTIONNAIRE BELOW]
QUESTIONNAIRE TO BIDDING FOREIGN SUPPLIERS					
IS THE ENTITY A RESIDENT OF THE REPUBLIC OF SOUTH AFRICA (RSA)?				☐ YES ☐ NO	
DOES THE ENTITY HAVE A BRANCH IN THE RSA?				☐ YES ☐ NO	
DOES THE ENTITY HAVE A PERMANENT ESTABLISHMENT IN THE RSA?				☐ YES ☐ NO	
DOES THE ENTITY HAVE ANY SOURCE OF INCOME IN THE RSA?				☐ YES ☐ NO	
IS THE ENTITY LIABLE IN THE RSA FOR ANY FORM OF TAXATION?				☐ YES ☐ NO	
IF THE ANSWER IS "NO" TO ALL OF THE ABOVE, THEN IT IS NOT A REQUIREMENT TO REGISTER FOR A TAX COMPLIANCE STATUS SYSTEM PIN CODE FROM THE SOUTH AFRICAN REVENUE SERVICE (SARS) AND IF NOT REGISTER AS PER 2.3 BELOW.					

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

NB: FAILURE TO PROVIDE / OR COMPLY WITH ANY OF THE ABOVE PARTICULARS MAY RENDER THE BID INVALID.

SIGNATURE OF BIDDER:

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

DATE:

T2

SBD 3.1



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

PRICING SCHEDULE – FIRM PRICES

(PURCHASES)

NOTE: ONLY FIRM PRICES WILL BE ACCEPTED. NON-FIRM PRICES (INCLUDING PRICES SUBJECT TO RATES OF EXCHANGE VARIATIONS) WILL NOT BE CONSIDERED

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

Name of bidder.....

Bid number: WTE-2533ES

Closing date:

11 DECEMBER 2025

Closing Time **11:00**

OFFER TO BE VALID FOR **120 DAYS** FROM THE CLOSING DATE OF BID.

ITEM	DESCRIPTION & ILLUSTRATION	QTY	UNIT	RATE IN RAND	TOTAL PRICE
1.	Special Water Mark "No Access": - Yellow Pillar Buoy; - Including Ballast & Foam; 4 x "NO ACCESS" Moulded Graphics; - Top Mark - Single Yellow 3D Cross; - Top Mark fixing Screws; - Numbered GWW 0278 to GWW 0282 	5	EACH	R	R
2.	Spare Top Mark for Special Water Marker: Complete Unit with 1 x Single Yellow 3D Cross mounted on Base Plate to fit Top of Pillar Buoy. 	1	EACH	R	R
3.	Spare Tamper Proof Bolts: To fix Top Mark Unit to the Pillar Buoys. 	8	EACH	R	R
4.	Screw-driver for Tamper Proof Bolts: To tighten/loosen the Tamper Proof Bolts. 	1	EACH	R	R
5.	Round Demarcation Marker: ±500 mm Ø Orange; - Excluding D-Shackle; - Including Foam; - Including screw able hexagon plug. 	35	EACH	R	R

ITEM	DESCRIPTION & ILLUSTRATION		QTY	UNIT	RATE IN RAND	TOTAL PRICE
6.	Spare Watertight Plug: - Hexagon Plug; - Specific plug offered with each Round Marker.		3	EACH	R	R
7.	Hexagon Tool for Plug: Chrome Vanadium Ring Spanner to fit Hexagon Plug offered.		1	EACH	R	R
8.	Teflon (Thread) Tape: 10 or 12 mm Wide; 10 m Long.		2	ROLL	R	R
9.	D-Shackle: D-Shackle to fit fixing eye of Demarcation Markers. (Pin Ø of 12 mm). (To also be used with the Thimbles at the Cable Anchor Points.)		45	EACH	R	R
10.	"Maillon Rapide" Quick Link: 6 mm Ø;		45	EACH	R	R
11.	Cable Clamp: For offered 10 mm Ø Cable		145	EACH	R	R
12.	Chain: 6 mm Ø; 800 mm Long; 1000 mm Long - Pre-Cut.		6 35	EACH EACH	R R	R R
13.	Thimble: Groove to fit offered 10 mm Ø Cable		3	EACH	R	R
14.	Wire Rope (Cable): 8 mm Ø; 7x19 Strand;		420	METER	R	R
15.	Delivery of all Items	Department of Water and Sanitation: Hluhluwe dam				R
16.	Installation of all ordered items at Hluhluwe Dam	Bidder to supply detailed installation schedule, i.e. Travelling, Days, Daily Rate, Accommodation Rate, etc.				R
		SUB TOTAL (ITEM 16)				R
		VAT @ 15 %				R
		TOTAL (ITEM 17)				R

-
- **Required by:** OPERATIONS EASTERN
 - **Att:** SUPPLY CHAIN MANAGEMENT
 - **Brand and model**
 - **Country of origin**
 - **Does the offer comply with the specification(s)? *YES/NO**
 - **If not to specification, indicate deviation(s)**
 - **Period required for delivery**
*Delivery: Firm/not firm
 - **Delivery basis**

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

**** “all applicable taxes” includes value- added tax, pay as you earn, income tax, unemployment insurance fund contributions and skills development levies.**

***Delete if not applicable**

SBD4
water & sanitation

 Department:
 Water and Sanitation
 REPUBLIC OF SOUTH AFRICA
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 interest¹ in the enterprise, employed by the state?

YES/NO

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

Full Name	Identity Number	Name of State institution

- 2.2 Do you, or any person connected with the Bidder, have a relationship with any person who is employed by the procuring institution?

YES/NO

- 2.2.1 If so, furnish particulars:

.....

- 2.3 Does the Bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract?

YES/NO

- 2.3.1 If so, furnish particulars:

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

3 DECLARATION

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

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The Bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 The terms of the accompanying bid have not been, and will not be, disclosed by the Bidder, directly or indirectly, to any competitor, prior to the date and time of the official bid opening or of the awarding of the contract.
- 3.5 There have been no consultations, communications, agreements or arrangements made by the Bidder with any official of the procuring institution in relation to this procurement process prior to and during the bidding process except to provide clarification on the bid submitted where so required by the institution; and the Bidder was not involved in the drafting of the specifications or terms of reference for this bid.
- 3.6 I am aware that, in addition and without prejudice to any other remedy provided to combat any restrictive practices related to bids and contracts, bids that are suspicious will be reported to the Competition Commission for investigation and possible imposition of administrative penalties in terms of section 59 of the Competition Act No 89 of 1998 and or may be reported to the National Prosecuting Authority (NPA) for criminal investigation and or may be restricted from conducting business with the public sector for a period not exceeding ten (10) years in terms of the Prevention and Combating of Corrupt Activities Act No 12 of 2004 or any other applicable legislation.

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

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

.....
Signature

.....
Date

.....
Position

.....
Name of Bidder

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

SBD 6.1



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

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

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

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

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:

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

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

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

2. DEFINITIONS

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

3. FORMULAE FOR PROCUREMENT OF GOODS AND SERVICES

3.1. POINTS AWARDED FOR PRICE

3.1.1 THE 80/20 PREFERENCE POINT SYSTEMS

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

80/20 or

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

Where

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

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 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 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
Women Ownership	5	
Disability Ownership	5	
Youth Ownership	5	
Location of enterprise (local equals province)	2	
B-BBEE status level contribution from level 1 to 2 which are QSE or EME	3	

DECLARATION WITH REGARD TO COMPANY/FIRM

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

4.4. Company registration number:

4.5. TYPE OF COMPANY/ FIRM

- ☐ Partnership/Joint Venture / Consortium
- ☐ One-person business/sole propriety
- ☐ Close corporation
- ☐ Public Company
- ☐ Personal Liability Company
- ☐ (Pty) Limited
- ☐ Non-Profit Company
- ☐ State Owned Company

[TICK APPLICABLE BOX]

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

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

LOCAL CONTENT

SATS 1286.2011

Annex C

Local Content Declaration - Summary Schedule

(C1)
(C2)
(C3)
(C4)
(C5)
(C6)
(C7)

Tender No.	
Tender description: Designated product(s)	
Tender Authority:	
Tendering Entity name:	
Tender Exchange Rate:	
Specified local content %	

Pula

23

GBP

GBP

Note: VAT to be excluded from all calculations

[illegible]

Signature of tenderer from Annex B

Date:

CONTRACT DATA

C1

GENERAL CONDITIONS OF CONTRACT

C1.1

Conditions of Contract

The conditions governing this Tender are as set out in the General Conditions of Contract for Construction Works, Third Edition (2015).

Contracts will only be awarded to Tenderers who, in the Engineer's opinion, are capable of manufacturing and supplying to the required standard. Workmanship shall conform to accepted industrial standards. The size of tools and equipment used shall be proportional to the task being conducted.

Tenders shall only be awarded on a fixed price basis and no escalation shall be considered.

The Contractor shall make no changes or modifications to any part of the design, or the equipment offered under this Contract without the written approval of the Engineer. The Department shall not accept any additional costs for any part of this Contract should any procedures contained therein are not complied with.

The Contractor shall be responsible to issue all of his Sub-contractors with the relevant sections of this tender document, any additional cost resulting from Sub-contractors not being fully informed, shall be for the contractors' account.

Guarantee

The defects liability period as stipulated in the General Conditions of Contract for Construction Works, Third Edition (2015), shall read 12 (twelve) months from the date of issue of the Commissioning Certificate by the Engineer to the Contractor and shall terminate with the issue of the Final Certificate by the Engineer. The Contractor's Guarantee shall include all aspects of the manufacturing process, including work done by any Sub-contractors.

5.01 PRECEDENCE OF THESE CLAUSES

The clauses contained in this section are intended to amplify the rest of the conditions contained in this tender document, and in certain instances to modify the contents. Should any discrepancy appear between these clauses and the rest of the conditions these clauses should take precedence.

5.02 EXTENT OF THE CONTRACT

This contract **comprises** mainly the supply of all material and labour for the erection and completion of an office with ablution facilities for Mhlataze River Government Water Scheme at Goedertrouw Dam near Eshowe, KwaZulu Natal Province.

5.03 RESPONSIBILITIES

The extent of the contract as given above is intended to indicate the **general extent of the works** involved. It is not exhaustive in so far as any detailed item or associated work is concerned and shall **in no way relieve** the contractor of his responsibilities to comply with the specific requirements.

5.04 SEQUENCE OF WORK

The successful contractor will be required to complete the contract within the present financial year ending 31 March 2023. Completion date will depend on the date of appointment and contract period. The sequence of work shall be determined by the contractor and compiled in a works programme.

5.05 NATURE OF GROUND AND SUBSOIL CONDITIONS

The soil on the building sites is stable and ground pressure average. After excavation of foundation trenches, the Engineer will inspect the excavation and then decide on the structural design of the foundation. For purpose of this tender, the Contractor will price on conventional concrete strip foundations. Any reinforcing or change in foundation design will be paid by the provisional amount allocated for this purpose.

The building sites have a natural slope of $\pm 1:15$. The Contractor will provide for preparatory groundworks if decided and instructed by the Engineer to form terraces on which the buildings will be situated, with maximum 1:40 slopes.

5.06 TEMPORARY BUILDINGS AND SERVICES

The contractor must make his **own arrangements** in connection with the following, the costs for which must be included in the "Preliminary and General" section, maintain it in a tidy and proper manner and adopt such precautions to prevent any pollution whatsoever.

- (a) Temporary accommodation and toilet facilities for all workers.
- (b) Temporary site offices and/or workshops.

The Department will supply a connection point within reasonable distance from the construction site for the following services:

(a) Drinking and construction water

The contract includes work at site where water is available of which the contractor may use, for construction purposes, free of charge. The Department reserves the right to limit the consumption before any connection or extension of the supply is made, which must be conducted at the contractor's expense and must be made good on completion of the contract. Under no circumstances may water be obtained from fire hydrants or fire hoses.

- (b) **Electricity for the works**
The contractor shall provide all electricity for the execution of the works at his own expense. If the contract includes work at a site where electricity is available from a convenient Departmental source, the contractor can, with the prior approval of the representative, use electricity from such source at his own risk. The representative, however, reserves the right to either provide the electricity supply free of charge to the contractor, or he can limit the capacity of such free supply, or he can require from the contractor to arrange at his own cost for a metered connection to recover the cost of the consumption from the contractor.
- 5.07 CO-OPERATION BETWEEN CONTRACTORS/SUBCONTRACTORS**
It is essential that contractors/subcontractors work **in co-operation** with each other. Possible differences arising should be settled by the contractors themselves and the employer will not be liable for any damage or loss arising from such differences.
- 5.08 PROCEDURE OF WORK**
The Construction personnel, during the course of this contract will occupy the site. The works on this contract shall be carried out according to program in such a manner as to cause **the least inconvenience** to other Departmental personnel. The contractor shall co-ordinate with the employer's local representative which part of the work to be expedited requires priority.
- 5.09 SITE CLEARING AND LEVELLING**
Clearing and levelling of the site after completion will be under strict supervision of the employer in terms of preserving the existing ecology. The site shall be levelled with the ground sloping away from the building, but the building shall have a **finished floor level of not less than 200 mm** above the level of the ground adjacent to the building at its highest point, unless shown otherwise on the drawings.
- 5.10 ADMISSION TO SITE**
Permission for admission to and establishment on site.
Before the successful tenderer (contractor) established himself on the site, the **local Resident Engineer's** prior approval must be obtained.
- 5.11 INSURANCE**
The contractor shall enter a policy of insurance **to cover his liability** under the laws in force relating to the workman's compensation and liability to the public and shall produce proof of such insurance having been affected by him.
The contractor shall indemnify the Department of Water and Sanitation from all claims due to accidents to workmen and the public during the execution of this contract.
- 5.12 CHECKING OF TENDER DOCUMENTS**
On receipt of the tender documents, the tenderer must, prior to submitting his tender, **check all the tender documents** and should **any difference or discrepancy** between or in the drawings and specifications be detected by the tenderer, he shall seek in writing a decision, from the Director: Operations Eastern, Department of Water and Sanitation, Private Bag X24, Howick, 3290, on the true intent and meaning of the tender documents as the Department of Water and Sanitation **cannot be held liable** for the additional cost of extra work that may be caused as a result thereof.
- 5.13 SCOPE OF TENDER PRICE**
The tender price and all prices and/or which are inserted into the price schedules in the specification and transferred to the tender form, must be for the execution and completion of the works as well as for the provision of all labour, materials, workmanship, machinery, plant, and everything that is or may become necessary.
- 5.14 VALUE ADDED TAX**
The tender price shall **include value added tax** payable in terms of the Sales Tax Act No. 103 of 1978, as amended.
- 5.15 PURCHASING OF MATERIALS**
 - ◆ The contractor is required to purchase the materials necessary for the contract at the **earliest possible date** thus limiting the effect of inflation and to prevent delays.
 - ◆ Payment for materials will only be affected if the contractor **can prove ownership** of the items and if the material **has been delivered to site**.
 - ◆ The contractor will be **responsible for the security** and maintenance of all materials in storage on site or at any other place of the contractor's choice.
 - ◆ The contractor will be required at his own expense to **make all arrangements for off-loading** and carefully stacking all materials delivered under this contract at the site of the works. The off-loading and stacking shall be carried out strictly in accordance with the requirements of the engineer to permit a thorough and careful examination and testing of all items for breakages, failures, etc. and any routine maintenance during storage.
 - ◆ The contractor shall be fully responsible for the protection of all materials delivered by him to site but still in storage, against damage by water, weather, fire, and any other interference until such time as it is erected and installed, put into satisfactory operation, and accepted by the employer as complete.
- 5.16 PAYMENTS**
- 5.16.1 Progress payment
- (a) **Monthly part payments** will be made in accordance with the percentage tabulated below for the work completed on the building.
- (b) The supervising Engineer (Civil Design) in collaboration with the Contractor will do the payment certificate. Payment will be made by the administration and financial section of Midmar Dam Departmental personnel.
- (c) The **electrical installation** for the building will be regarded as a **unit for payment** purposes.
- (d) Whilst the gullies and water supply pipes will be regarded as part of the building, **payment for the sewer lines** will be made **per metre length** of pipes laid. Payment will only be made after completion of the sewer lines on the site.

- (e) Each interim payment certificate shall be subjected to retention by the Employer of 10% of the total work done to date. The retention will be reduced to 5% at the completion of the works (completion certificate), which will then be paid at the issuing of the Final Certificate at the end of the maintenance period. No limit will be applicable on the amount of the retention money.

Subsection of contract	Percentage of total cost
Supply of items listed on BOQ	50%
Delivery of items listed on BOQ	10%
Installation of Buoy line with accessories	35%
Tidy site and handover	5%

Total **100,0**

- 5.16.2 Payment of **preliminary and general items** will be made in accordance with clauses 8.2.1 and 8.2.2 of SABS specification 1200A
- 5.16.3 The contractor shall provide all **reasonable assistance** in the preparation of cash flow statements for certificate payments required by the employer. Such statements shall be based on the programme for the execution of the works and shall be updated at such intervals, as the programme of work progress is required to be updated. The co-operation of the contractor under these items shall in no way prejudice his right to receive payment in terms of the contract.
- 5.16.4 The contractor can claim payment of 80% of the value of material for the contract, purchased by him and delivered to site, but not yet built in on his interim payment certificate. The contractor must provide the Engineer with documentation proving his ownership of such material.
- 5.16.5 The Tenderer shall complete the Daywork Schedule on which basis he will be paid for the execution of extra work as described in the preamble of the schedule. If an item was not included in this schedule, the contractor will be paid for that item according to **clause 40** in the "General Conditions of Contract for Works of Civil Engineering Construction", sixth edition (1990), with specific reference to **sub-clause (4) (a)**.

5.17 GENERAL

- 5.17.1 Throughout this document the following shall apply:

- (a) **Employer** shall mean the Minister of Water and Sanitation, acting on behalf of the Government of the Republic of South Africa or his duly authorized representative.
- (b) **Engineer** shall mean the Director-General of the Department of Water and Sanitation or his duly authorized representative. Refer to "Instructions to Tenderers" Clause 2.
- (c) Address of **Employer** at Head Office:

Director General
Department of Water and Sanitation
Private Bag X313
PRETORIA
0001
Tel.: (012) 336-8680

- (d) Address of **local resident engineer** on site:

Resident Engineer
Department of Water and Sanitation
Private Bag X 24
Howick
3290 **Tel.: (033) 2391266**

- 5.17.2 The contractor will be an active participant in the **preservation of the environment** and will be required to maintain and contribute towards the safekeeping of the environment. The contract shall regularly or at the engineer's instructions, **clean and clear away** all rubbish and excess materials as the works proceed. The contractor shall be responsible **for the protection** and safety of the premises **against fire** and shall take such precautions as may be directed by the representative of the Department.
- 5.17.3 **No wood or plant life** will be harvested from the building site or surrounding area.
- 5.17.4 The contractor shall **not extend** his operations **beyond the defined area** of the works. The area used by the contractor will be made good to the engineer's satisfaction, at completion of the works.
- 5.17.5 Any **relics, treasure** or other articles of value **found** on the site shall remain the property of the employer and shall be handed to the engineer who shall be the sole arbiter of what constitutes an article of value.
- 5.17.6 **Meetings** related to the progress and other detail of the contract of the works will be held at regular intervals and at such other times as may be necessary, attended by the following:
- (a) The engineer
 - (b) The contractor's representative/s
 - (c) The employer's representative
- Subcontractors shall not be present at progress meetings unless specifically requested by the contractor or Engineer. The engineer shall record the minutes of the meeting and distribute them to all affected parties.
- 5.17.7 The contractor shall **acquaint himself** during the pre-tender site meeting with the conditions under which the works are to be done and personally examine the means of access to works, the condition of the roads and generally of all matters which may influence the execution of this contract.
- 5.17.8 The contractor shall **provide first aid** facilities complying with the requirements of the Machinery

Occupational Safety Act (No. 6 of 1983) and the Occupational Safety Act (Act No. 85 of 1993) and shall adhere to all rules and regulations of the mentioned act. Any death or injury that may occur directly or indirectly due to the actions of this contract shall be solely the responsibility of the contractor and the Department of Water and Sanitation will not be liable for the consequences.

5.18 COMMENCEMENT AND WORKS PROGRAMME

Commencement date of the works and hence the contract period shall be taken as the date of official site handover to the Contractor. The Contractor can commence work directly after receiving his letter of acceptance but at his own risk and only on approval of the Engineer.

Within 14 days of award of contract, the contractor **shall submit** a detailed comprehensive and realistic **works programme** reflecting all activities required up to final completion. The format of the programme shall be to the engineer's approval. The programme so submitted and approved shall be held to the binding throughout the contract period. The tender price shall be computed on the assumption that **all the material necessary** for the execution of this contract will **be readily available** when required in accordance with the programme for the works. The contractor shall use every reasonable endeavor to obtain supplies of all materials timeously.

5.19 LEAVE PERFECT

On the **completion** of the works the contractor shall **clear away and remove** from the site all construction plant, surplus materials, rubbish, and temporary works of any kind and leave the whole of the site and the works clean and in a workmanlike condition to the satisfaction of the engineer. The contractor shall also satisfy the engineer that he has complied with the conditions of any wayleaves, which the contractor has negotiated.

5.20 CONTRACT PRICE - ADJUSTMENT PROVISIONS

The general rule stipulates that:

- (a) If the contract term (the period or term of completion) is 6 months or shorter, the contract price irrespective of the amount involved shall be fixed and NO price adjustments shall be considered.
- (b) In respect of all contractors amounting to R500 000,00 and less for buildings or building related contracts, the contract price shall be fixed irrespective of the contract term.
- (c) The stipulations concerning contract price adjustments shall be applicable only to building contracts to the value of more than R500 000,00 and of which the contract terms are longer than 6 months.

Notwithstanding (a), (b) and (c) above:

No price adjustments shall be applicable on this contract _____ and all tender rates or tariffs will be firm for the duration of the contract. The contractor shall compensate for any possible fluctuation of material or labour in his tender price.

5.21 NOTICE OF INSPECTIONS

Apart from normal site inspections and site meetings, the Contractor shall request the Engineer at the following stages of the contract to inspect and approve specific sections of the work:

- (a) **At completion of foundation excavations.**
- (b) **After placing and fixing of reinforcing steel and before concrete casting.**
- (c) **After filling and compaction underneath floors and before casting of surface bedding.**
- (d) **After trench excavation and installation of pipes or cables but before commencing backfilling.**

After chasing and installation of pipes or electrical services but before closing in and making good of brickwork. Testing to be conducted during inspection.

PRICING DATA

C2

C2.1 BILL OF QUANTITIES

Bill of Quantities

ITEM	DESCRIPTION & ILLUSTRATION	QTY	UNIT	RATE IN RAND	TOTAL PRICE
1.	Special Water Mark "No Access": - Yellow Pillar Buoy; - Including Ballast & Foam; 4 x "NO ACCESS" Moulded Graphics; - Top Mark - Single Yellow 3D Cross; - Top Mark fixing Screws; - Numbered GWW 0278 to GWW 0282 	5	EACH	R	R
2.	Spare Top Mark for Special Water Marker: Complete Unit with 1 x Single Yellow 3D Cross mounted on Base Plate to fit Top of Pillar Buoy. 	1	EACH	R	R
3.	Spare Tamper Proof Bolts: To fix Top Mark Unit to the Pillar Buoys. 	8	EACH	R	R
4.	Screw-driver for Tamper Proof Bolts: To tighten/loosen the Tamper Proof Bolts. 	1	EACH	R	R
5.	Round Demarcation Marker: ±500 mm Ø Orange; - Excluding D-Shackle; - Including Foam; - Including screw able hexagon plug. 	35	EACH	R	R
6.	Spare Watertight Plug: - Hexagon Plug; - Specific plug offered with each Round Marker. 	3	EACH	R	R
7.	Hexagon Tool for Plug: Chrome Vanadium Ring Spanner to fit Hexagon Plug offered. 	1	EACH	R	R
8.	Teflon (Thread) Tape: 10 or 12 mm Wide; 10 m Long. 	2	ROLL	R	R
9.	D-Shackle: D-Shackle to fit fixing eye of Demarcation Markers. (Pin Ø of 12 mm). (To also be used with the Thimbles at the Cable Anchor Points.) 	45	EACH	R	R

ITEM	DESCRIPTION & ILLUSTRATION		QTY	UNIT	RATE IN RAND	TOTAL PRICE
10.	"Maillon Rapide" Quick Link: 6 mm Ø;		45	EACH	R	R
11.	Cable Clamp: For offered 10 mm Ø Cable		145	EACH	R	R
12.	Chain: 6 mm Ø; 800 mm Long; 1000 mm Long - Pre-Cut.		6 35	EACH EACH	R R	R R
13.	Thimble: Groove to fit offered 10 mm Ø Cable		3	EACH	R	R
14.	Wire Rope (Cable): 8 mm Ø; 7x19 Strand;		420	METER	R	R
15.	Delivery of all Items	Department of Water and Sanitation: Hluhluwe dam				R
16.	Installation of all ordered items at Hluhluwe Dam	Bidder to supply detailed installation schedule, i.e. Travelling, Days, Daily Rate, Accommodation Rate, etc.				R
		SUB TOTAL (ITEM 16)				R
		VAT @ 15 %				R
		TOTAL (ITEM 17)				R

SCOPE OF WORK

C3

SECTION 1: GENERAL & DETAIL SPECIFICATIONS

C3.1

1. BACKGROUND:

The Department of Water & Sanitation (DWS), its delegated public sector partners and delegated water management institutions have the responsibility to implement the required Aids to Navigation (AtoN), both fixed and floating; and demarcation markers, on all Government Waterworks (Dams) for general navigation.

In terms of international conventions and national legislation, DWS has to ensure compliance to the South African Maritime Safety Authority (SAMSA) AtoN Standards and Directive of all maritime AtoN and Demarcation Markers, both fixed and floating; on all Government Waterworks in the Republic of South Africa (RSA).

In addition to the DWS, Local Accountable AtoN Parties (LAAP) providing access to Waterworks, watercourses, privately owned dams and other navigable watercourses, or requiring a specific demarcated area for specific recreational usage, have an obligation to ensure that the required AtoN is in accordance with the recommendation of DWS and approval of SAMSA.

These specifications form an integral part towards compliance to SAMSA's AtoN Standards and Directives:

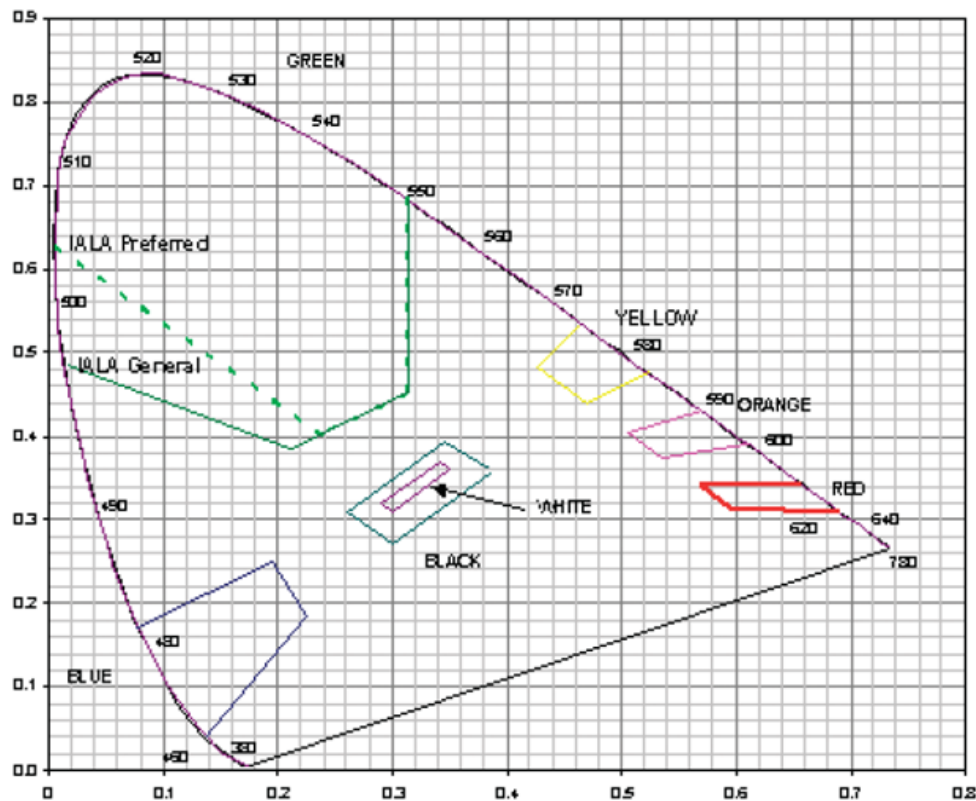
- SAMSA Marine Notice No. 8 of 2016 - **"Standards for Aids to Navigation in South African waters and Inland Waterways"**.
- SAMSA Directive on the **"Standardisation of fixed and floating Aids to Navigation and Demarcation Markers on all navigable Inland Waterways in the Republic of South Africa"**, as published in April 2014.

[Can be obtained from www.samsa.org.za]

2. SCOPE:

- 2.1. This specification covers the requirements for the supply and delivery of high performance, low maintenance, roto-moulded polyethylene floating AtoN, Demarcation Markers and Accessories for Hluhluwe Dam:
- 2.2. The required equipment will include the following:
 - Pillar Buoys, including Top Marks; e.g. Special Water Markers, etc.
 - Round demarcation markers; e.g. ± 500 mm Ø.
 - Spare Top Marks.
 - Fixing accessories, e.g. Wire rope, shackles, clamps, chain, etc.
- 2.3. The Bidder should **preferably** bid on all items required, as listed above as well as in the Price Schedules.
- 2.4. The **purchaser / contractor** will undertake the deployment of the equipment.
- 2.5. It is essential that the buoys comply with the following requirements:
 - 2.5.1. Easy deployment;
 - 2.5.2. Excellent visual presence, buoyancy and stability;
 - 2.5.3. Minimum maintenance attention;
 - 2.5.4. Minimal marine growth;
 - 2.5.5. Designed to withstand the corrosive marine environment it will be operating in;
 - 2.5.6. Designed to withstand the harsh weather conditions that it will be operating in;
 - 2.5.7. To be able to take reasonable knocks and/or collisions without being severely damaged and causing it to sink.
- 2.6. The manufacture and finish of the buoys and demarcation markers shall comply with all relevant Codes and/or Standards that are statutory requirements in South Africa. (Please also refer to *Paragraph 4*)

- 2.7. The colours and shapes of the pillar buoys and its top marks shall comply with the following International Association of Marine Aids to Navigation and Lighthouse Authorities (IALA) Recommendations and Guidelines:
- 2.7.1. IALA Maritime Buoyage System for **Region A**; and
 - 2.7.2. Surface colours used as visual signals on aids to navigation.
(IALA chromaticity areas as plotted on the 1983 CIE chromaticity diagram)



3. TECHNICAL SCHEDULE:

Bidders are advised that it is in their own interest to provide accurate and detailed information in answer to all the questions asked in the Technical Schedules, which appear in **Section 2** of this specification. These schedules will also play a major role in the adjudication of this Bid.

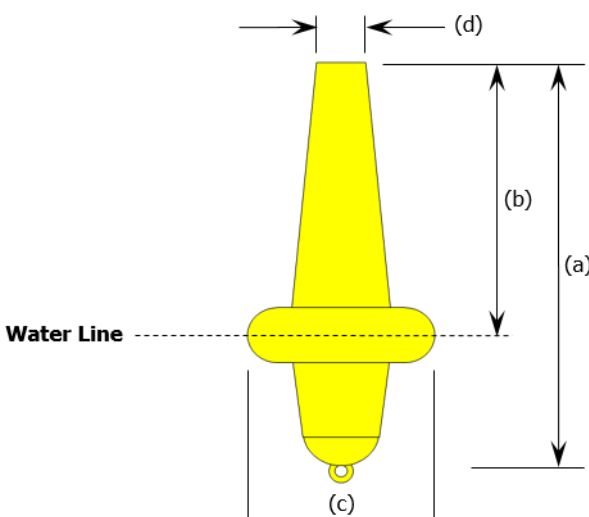
Failure to comply with this request will invalidate the tender offer.

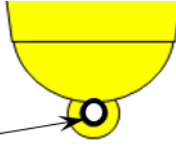
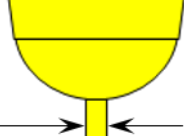
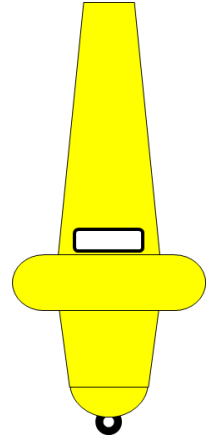
4. STANDARDS, SPECIFICATIONS AND MANDATORY COMPLIANCE:

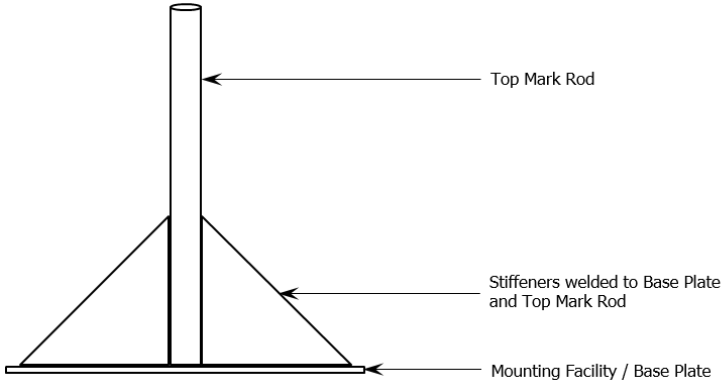
- 4.1. The offered equipment with regard to its operational performance is to be in strict accordance with these Detail Specifications and information supplied in the Technical Schedules. Any deviation/s or modifications to the Specifications can be listed in **Annexure 1 – Page 16**.
- 4.2. Please indicate whether you comply or not comply in the Specification. Failure to indicate whether you comply or not comply in the Specification will render your bid non-responsive and the bid will be disqualified. **Should the bidder's answer to a specification be COMPLY, and it is found that it should have actually been NOT COMPLY – THE OFFER WILL BE INVALIDATED.**
- 4.3. A Check List for Mandatory Compliance is attached as **Section 5 – Page 29**. Failure to supply the Requested Documents will render your bid non-responsive and the bid will be disqualified.
- 4.4. **For queries of any specific technical nature, please contact:**
Nirdosh Punchum
060 587 4655
punchumn@dws.gov.za
DWS: Operations Eastern

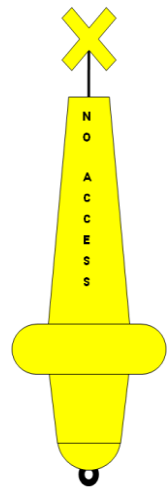
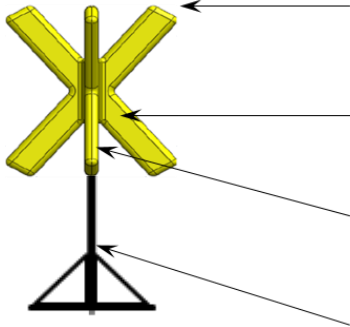
DETAILS OF OFFER			COMPLY / DO NOT COMPLY
5.	GUARANTEES AND GENERAL CONDITIONS (ONLY APPLICABLE TO FLOATING ATON & DEMARCATION MARKERS):		
	5.1.	The supplier shall be required to guarantee the equipment; for a period of not less than twelve (12) months from the date of delivery.	
	5.2.	The colour stability will however be guaranteed for a period of not less than twenty four (24) months from the date of deployment.	
	5.3.	If during the first twelve (12) months that the equipment is in service, any inherent faults develop not due to fair wear and tear, of which the purchaser is not aware at the time of acceptance of the offer; the purchaser reserves the right to return it to the supplier; all or part of the complete equipment.	
	5.4.	The supplier/s shall assume full liability for the cost of the equipment and such transport charges between the factory and the site as the purchaser may have incurred. Under these circumstances, the purchaser shall not be liable for any depreciation or wear and tear of the apparatus whilst it was in service.	
	5.5.	The Department will not consider bids that do not include the guarantees as specified in <i>Paragraphs 5.1. & 5.2.</i> above.	
	5.6.	The manufacturer shall have an ISO 9001 accredited Quality Management System. Proof MUST be submitted.	
	5.7.	The manufacturer shall be a Member of the Association of Rotational Moulders of Southern Africa (ARMSA); or similar Association. Proof MUST be submitted.	
	5.8.	Descriptive Literature and Specification Sheet/s (in English), of the items offered, MUST be supplied.	
	5.10.	After the bid is awarded; the Department may request the bidder to demonstrate the suitability of the different types / shapes of buoys and demarcation markers; including top marks and signage on these. The date and venue will be corresponded within 30 days after the bid closing date. Typical tests that could be undertaken:	
		5.10.1. Pillar Buoy Ballast Test; buoy to return to its vertical position after manually pushed into the horizontal and released;	
		5.10.2. Testing of any mooring eye by putting additional strain on it to ensure that it doesn't break-out of the buoy;	
		5.10.3. Puncture any types / shapes of buoys (foam filled) to ensure that no buoy will have any ingress of water to cause the buoy to sink;	
		5.10.4. Test the Pillar Buoy Top Marks that they cannot be vandalised / broken off easily; etc.	
		5.10.5. May request the bidder to prove that the equipment on offer complies to the specifications, e.g.: • Destructive Test; and • Cut open any buoy or demarcation marker to demonstrate the thickness of the polyethylene.	
		5.10.6. All of the above-mentioned tests, if done, will be at the cost of the bidder.	
	5.11.	Regular in-house inspections shall be undertaken by the manufacturer to ensure adherence to the requirements of this specification and the DWS may decide to be present at these inspections	
	5.12.	The delivery period will be an important consideration in the adjudication of this bid. If NOT collected by the Department, the successful bidder will	

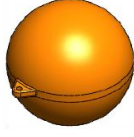
DETAILS OF OFFER			COMPLY / DO NOT COMPLY
		have to deliver the items and the handling shall be their sole responsibility until delivered on site.	
6.	GENERAL SPECIFICATIONS FOR FLOATING ATON & DEMARCATION MARKERS:		
	6.1.	All parts, excluding the metal parts, shall be rotationally moulded from UV stabilised premium grade virgin polyethylene to form a seamless; watertight buoy body with a nominal wall thickness of at least 5 mm, except if specified otherwise.	
	6.2.	The polyethylene used; shall have the following minimum requirements:	
		6.2.1. Linear Low Density Polyethylene resin (LLDPE);	
		6.2.2. High Rigidity, Good Impact Strength; Heat and UV Resistant;	
		6.2.3. The colour pigments shall be permeated all the way through the polyethylene and not be added as a coating; and	
		6.2.4. The LLDPE and colouring pigment will be stabilized to a minimum UV-8 level index.	
	6.3.	A copy of the product data sheet for the LLDPE must be supplied with the offer.	
	6.4.	The mould design and manufacturing process shall increase the thickness of the polyethylene at the major stress points; especially at the mooring eyes.	

DETAILS OF OFFER				COMPLY / DO NOT COMPLY
7.	DETAIL SPECIFICATIONS: AIDS TO NAVIGATION (ATON) PILLAR BUOYS:			
	NOTE: <i>Drawings shown are not to scale and are only used for illustration purposes.</i>			
	7.1.	GENERAL:		
		7.1.1.	All pillar buoys must be designed with the necessary ballast to be able to stand upright on its own and to ensure that the buoy is able to track well (do not lean over excessively); with the standard top marks; at wind speeds of up to 15 m/s (54 km/h).	
		7.1.2.	The ballast (weight) must be the same in all pillar buoys to ensure that they all float at the same water level.	
		7.1.3.	The top part of the pillar buoy may have any of the following shapes: <u>Top View</u>	
		(a)	 Cylinder	
		(b)	 Cone	
		(c)	 Triangle	
		7.1.4.	The pillar buoys' colours shall be within the range as per the IALA chromaticity diagram (Paragraph 2.7.2.); and	
			Have the following minimum dimensions (Also refer to the illustration below):	
		(a)	Total Length (Height): Between 1.100 m & 1.400 m	
		(b)	Length (Height) above Water Line: Between 0.800 m & 1.100 m	
		(c)	Diameter at Water Line: Between 0.500 m & 0.650 m	
		(d)	Diameter at Top of Buoy: Between 0.150 m & 0.200 m	
				

DETAILS OF OFFER				COMPLY / DO NOT COMPLY
		7.1.5.	All pillar buoys must have a rigid mooring eye / fixing point at the bottom with a stainless steel insert with an inside diameter of not less than 15 mm.  Stainless Steel Insert	
		7.1.6.	The width of the plastic at the mooring eye / fixing point shall have a minimum thickness of 20 mm. (Length of stainless steel insert as mentioned above). The offered D-Shackle MUST fit over this mooring eye / fixing point.  Minimum 20 mm	
		7.1.7.	Each buoy shall have self-contained customised ballast and will be filled with Rigid Closed Cell High Density Polyurethane Foam.	
		7.1.8.	Each AtoN Pillar Buoy shall be marked with a unique number so that the DWS can keep record of each buoy; for each dam as well as the originally deployed position.	
		7.1.9.	The marking / number will be engraved / printed on the side, above the flat surface of the Buoy (As indicated) or on the flat surface of the Buoy. No marking / number shall be on the top mark or top mark base. (This will ensure that the buoy will still be identified, should the top mark be vandalized / broken off.)	
		7.1.10.	The marking / number will be legible with the letters and numerals ≥ 15 ≤ 25 mm high , to ensure easy identification. The marking / number should also not be able to be scratched off or removed from the buoy.	
		7.1.11.	The pre-fix for the markings / numbers will be utilized as follows: GWW 0001-9999 (Government Waterworks - DWS).	
		7.1.12.	Application procedures for the deployment of buoys are in place and NO AtoN Buoy will be manufactured and supplied without the prior recommendation from DWS and approval from SAMSA. A database will be held with DWS and SAMSA. AtoN buoy numbers can only be obtained from / supplied by: Michael Kriel krielm@dws.gov.za DWS: WRI: Operations & Maintenance: Operational Functional Support, Pretoria. All Buoys are recommended by DWS and the AtoN Buoy Numbers are included in the Price Schedules.	

DETAILS OF OFFER				COMPLY / DO NOT COMPLY
		7.1.13.	The buoy body shall be watertight. The top of the buoy will be sealed watertight after the foam has been filled.	
		7.1.14.	Each buoy shall be supplied with a suitable top-mark mounting facility / plate. This mounting will be manufactured from stainless steel and be fixed onto the top of the buoy. The mounting facility / plate will not be less than 2 mm thick and not less than 100 x 100 mm	
		7.1.15.	Threaded brass or stainless steel inserts / nuts; minimum M6; must be moulded into the top of the Pillar Buoy to facilitate the mounting / plate.	
		7.1.16.	The mounting facility / plate must be fixed with "anti-theft" bolts/screws; e.g. 6-lobe button security screws; onto the buoy as to ensure that the mounting facility / plate with the top mark cannot be removed by any unwanted person/s. The bolts / screws will be supplied with each mounting facility/plate. 	
		7.1.17.	Spare bolts / screws must be offered as an accessory.	
		7.1.18.	An adequate screw-driver and/or L-Shape key to tighten / loosen the "anti-theft" bolts / screws as offered in <i>Paragraph 7.1.16.</i> must be supplied as an accessory.	
		7.1.19.	All Top Marks must be fixed onto a Stainless Steel Rod or Stainless Steel Threaded Rod with a minimum diameter of 10 mm.	
		7.1.20.	All Top Marks must be fixed in such a way that it cannot be unscrewed / removed from the Pillar Buoy mounting facility and / or Stainless Steel Rod / Threaded Rod.	
		7.1.21.	The Stainless Steel Rod or Stainless Steel Threaded Rod must be fixed to the mounting facility / base plate by welding it onto the mounting facility / base plate and supported with 3 or 4 stiffeners spaced proportionally, minimum 2 mm thick and 40 mm high; to avoid that anybody can easily break-off the top mark rod from the base plate. 	
		7.1.22.	All Top Marks must be fitted at the manufacturing facility with an adequate Sealant / O-Ring to ensure that no water can enter the Buoy Body from the top.	

DETAILS OF OFFER			COMPLY / DO NOT COMPLY
	7.2.	IALA SPECIAL WATER MARKS WITH "NO ACCESS" GRAPHICS:	
		7.2.1. Yellow Pillar Buoys will be utilized as Special Water Markers ("No Access"); which will include mould-in / mould-on graphics and will be displayed as follows: 	
		7.2.2. Each buoy will contain four (4) sets of "No Access" graphics spaced proportionally around the buoy.	
		7.2.3. Black lettering should be typically Aerial Bold and each letter should not be smaller than 40 mm high and 30 mm wide.	
		7.2.4. The lettering should be spaced so that the last letter is at least 200 mm above the waterline.	
		7.2.5. The graphics should resist attack from chemicals, solvents and exposure to extreme weather conditions.	
		7.2.6. The graphics should be embedded in a layer of plastic resin to protect it from fading, cracking, chipping or peeling.	
	7.3.	TOP MARK FOR SPECIAL WATER MARKER:	
		7.3.1. Top Mark is a 3-D Yellow Diagonal Cross "X" .	
		7.3.2. Minimum Dimensions:  Size of Diagonal Cross: The Arms of the "X" should be diagonally contained within a square with length and height of the sides of about 33 % of the Buoy Ø at Waterline. Width of Cross Arms: The Width of the "X" should be about 15 % of the length of the side of the square. Thickness of Cross Arms: Not less than 10 mm if plastic sheeting is used and not more than 16 mm if roto-moulded. Distance between Top of Buoy to Bottom of Top Mark: At least 35 % of the height of the square mentioned above.	
		7.3.3. The Diagonal Cross shall be fixed to the shaft / rod in such a manner that it will not spin if the wind is blowing. (Tight Fit)	

DETAILS OF OFFER				COMPLY / DO NOT COMPLY
8.	DETAIL SPECIFICATIONS: DEMARCATION MARKERS:			
	8.1.	ROUND DEMARCATION MARKERS:		
		8.1.1.	The Round demarcation markers will be offered in Orange (No Access Zone) within the range as per the IALA chromaticity diagram (<i>Paragraph 2.7.2.</i>) 	
		8.1.2.	The round demarcation markers will be offered in the following dimensions: • $\pm 500 \text{ mm } \varnothing$ ($\geq 500 \text{ mm} < 520 \text{ mm}$)	
		8.1.3.	All round demarcation markers shall have a rigid mooring eye / fixing point on the buoy with a stainless steel insert with an inside diameter of not less than 15 mm. (As illustrated in <i>Paragraph 7.1.4.</i>)	
		8.1.4.	All round demarcation markers shall be filled with Rigid Closed Cell High Density Polyurethane Foam.	
		8.1.5.	The buoy body shall be completely watertight but should not deform after deployment because of altitude / air pressure.	
		8.1.6.	Therefore, each round demarcation marker shall include a mechanism to compensate for altitude / air pressure, e.g. a watertight screw able plug / cap supplied separately to be fixed on site when the buoys are deployed.	
		8.1.7.	Should such plug / cap be utilised, it should be watertight and tamper proof, e.g. hexagon head or sunk in hexagon head. 	
		8.1.8.	An adequate tool to tighten / loosen the plug will be supplied as an accessory.	
		8.1.9.	PTFE (Teflon) Tape, commonly known as "Plumbing Thread Tape" to seal the above mentioned plug will be supplied as an accessory: • 10 or 12 mm wide x 10 m long roll 	

9. DETAIL SPECIFICATIONS: FIXING ACCESSORIES:

9.1. GENERAL:

All AtoN (Pillar Buoys) and demarcation markers (Round Demarcation Markers) will be deployed / assembled / fixed by using various methods and accessories; i.e. D-shackles; Chain; Cable Clamps; etc.

10.1.1. These accessories will be specified separately in detail in the "Price Schedules".

9.2. FIXING BUOYS AND DEMARCATION MARKERS TO EXISTING OR NEW MAIN CABLE/S:

At most Government Waterworks; existing wire ropes (cables) or synthetic ropes are fixed a certain distance upstream of the Outlet Tower / Spillway / Dam Wall to indicate a "No Access" zone. Other areas might also have existing wire ropes (cables) or synthetic ropes in front of State Land or Nature Conservation Areas that might be closed off as "No Access" zones or indicating a "Restricted Access" zone.

The main wire rope diameters can vary from 6 mm Ø to 16 mm Ø and synthetic ropes up to 30 mm Ø.

The Safety Buoy Line in front of the Dam Wall or Spill-Way is NOT to "Catch" any vessel, but to warn the water users to NOT Access that area. The depth of the main cable below the water surface can vary (0.500 m to 6.000 m), depending on the amount of debris floating through the dam during flood events.

AtoN (Special Water Markers) and Demarcation Markers (Round) will be fixed to the mentioned main cable/s.

A new 10 mm Ø main cable will be utilized at Hluhluwe Dam. All Special Water Markers & Demarcation Markers will be spaced and fixed with chain onto the main cable (± 750 mm Below the Water Surface) as illustrated below:

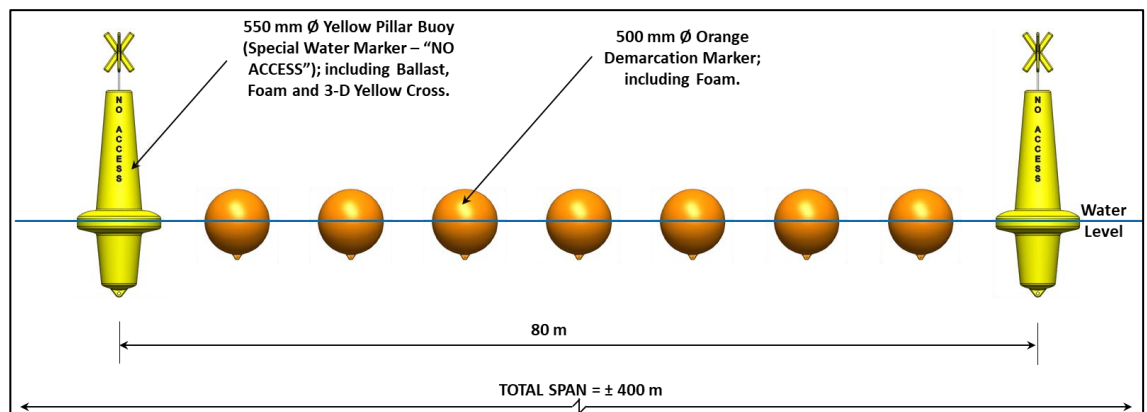


Illustration 1:

AtoN spaced 80 m apart & Demarcation Markers spaced 10 m apart.

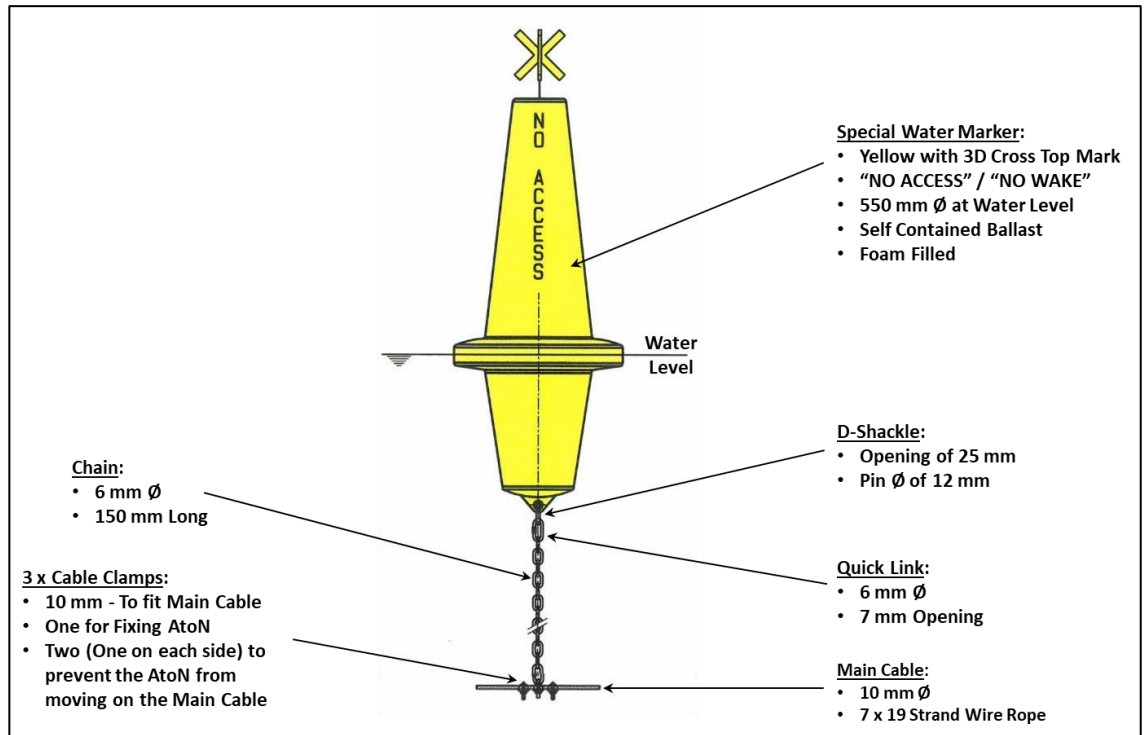


Illustration 2: Fixing of AtoN onto Main Cable.

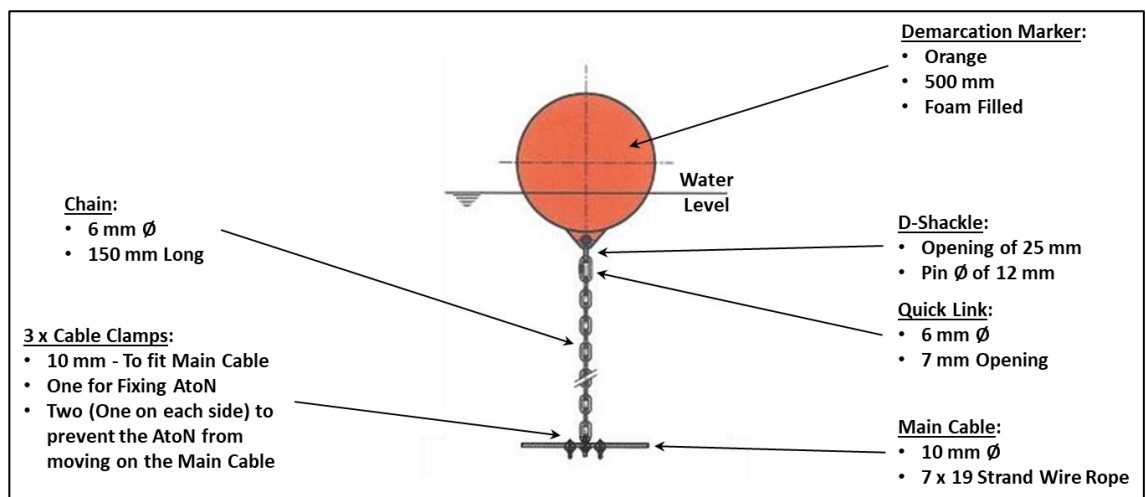
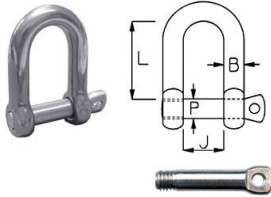
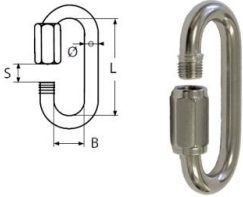
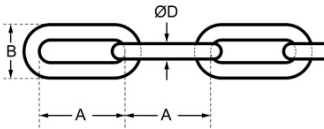
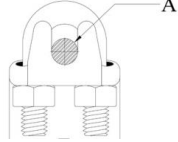


Illustration 3: Fixing of Demarcation Markers onto Main Cable.

DETAILS OF OFFER			COMPLY / DO NOT COMPLY
	9.3.	ACCESSORIES:	
	9.3.1.	"Marine Grade 316 Stainless Steel" D-Shackles will be supplied to be fixed to the AtoN buoy's and Demarcation Markers' fixing points. (These D-Shackles will be ordered separately and as required.) - The D-Shackle width ("J" indicated below) shall fit over the ± 20 mm wide buoy fixing point with the pin fitting through the stainless steel insert. - The pin diameter ("P" indicated below) shall have a minimum diameter of 10 mm. 	
	9.3.2.	"Marine Grade 316 Stainless Steel" "Maillon Rapide" quick links will be supplied to fit into the D-Shackle, Chain and/or Cable Clamp. The quick link shall have the following dimensions: - Minimum of 6 mm $\varnothing$; "B" as indicated, a minimum of 14 mm so that the quick link can fit over the D-Shackle; as well as the Cable Clamp should fit into the quick link; - The opening "S" will be large enough to accommodate the 6 mm $\varnothing$ Chain. 	
	9.3.3.	"Marine Grade 316 Stainless Steel" Chain to fit into the "Maillon Rapide" quick link with the following dimensions will be supplied: "Long Link" or "Short Link" chain will be offered; 6 mm $\varnothing$, - Desired lengths will be cut by the Bidder / Supplier. 	
	9.3.4.	10 mm $\varnothing$ wire rope "Marine Grade 316 Stainless Steel" 7 x 19 Strand will be offered. (NO PVC coated wire ropes will be offered.) 	
	9.3.5.	Suitable "Marine Grade 316 Stainless Steel" Cable Clamp to fit the 10 mm $\varnothing$ [A] "Main Cable". 	
	9.3.6	"Marine Grade 316 Stainless Steel" thimbles will be offered. The Thimble groove must be able to accommodate the offered wire rope. (10 mm $\varnothing$) 	

DETAILS OF OFFER			COMPLY / DO NOT COMPLY
10.	INSPECTION, PERFORMANCE TESTING AND DELIVERY / COLLECTION:		
	10.1.	During the manufacture regular inspections will take place by an official of the Department. Details will be communicated with the relevant bidder.	
	10.2.	All accessories will be grouped together in boxes or bags and marked accordingly, e.g.: • 30 x 12 mm Ø D-Shackles, • 210 x 10 mm Ø Cable Clamps, • 250 m x 10 mm Ø S/S Wire Rope, etc.	
	10.3.	The Department will take delivery of all the Items after satisfactory performance testing and inspection.	

Therewith I, (Bidder's Name) declare that I have read, completed and understood the above specifications.

.....
BIDDER'S SIGNATURE

.....
DATE

NAME OF BIDDER / COMPANY:

ANNEXURE 1: DEVIATIONS AND/OR MODIFICATIONS:

Any deviation/s or modifications to the Specifications can be listed in the table below:

(Should there be no deviation/s or modifications, the Bidder **MUST** indicate so, e.g. "NIL")

[illegible]

BIDDER'S SIGNATURE

.....
DATE

NAME OF BIDDER / COMPANY:

SECTION 2**C3.2****TECHNICAL SCHEDULES****11. TECHNICAL SCHEDULE FOR ROTO-MOULDED POLYETHYLENE FLOATING ATON AND DEMARCATION MARKERS:****11.1. ATON PILLAR BUOY:**

11.1.1. Bidder's Name:

11.1.2. Manufacturer of Buoy:

11.1.3. Brand Name:

11.1.4. Model:

11.1.5. Existence of Manufacturing Company:years

11.1.6. Is the Bidder an Agency for Buoy offered? YES ☐ NO ☐11.1.7. Is the Bidder an Affiliated Company to the Manufacturing Company?
YES ☐ NO ☐11.1.8. Has manufacturing company been awarded an ISO 9001 or similar certificate for
Quality assurance in: Design/development, production and servicing:
☐ YES ☐ NO11.1.9. Other Certification and amount of years?
..... years11.1.10. Are the colours and shapes of the pillar buoys and its top marks manufactured
According to IALA Recommendations and Guidelines? ☐ YES ☐ NO11.1.11. Is descriptive literature of the pillar buoy, attached? YES ☐ NO ☐

- 11.1.12. Dimensions of Pillar Buoy: Total Height:
- Height above Water Line:
- Diameter at Water Line:
- Shape and Dimensions at Top of Buoy:
- 11.1.13. Overall Weight of Buoy (Including Ballast and Foam): kg
- 11.1.14. Type of Material used for the body of the Buoy:
- 11.1.15. Type of foam used in the Buoy:
- 11.1.16. Nominal wall thickness of the Buoy:
- 11.1.17. Is the mooring eye fixed with a stainless steel insert? YES ☐ NO ☐
- 11.1.18. Inside diameter of mooring eye:
- 11.1.19. Thickness of mooring eye (length of stainless steel insert):
- 11.1.20. Where and how will the Buoy Number be displayed / fixed onto the buoy?
-
-
-
- 11.1.21. Height of Letters and Numerals of the Buoy Number:
- 11.1.22. Describe in detail how the Top Marks will be fixed to the top of the Buoy:
-
-
-
-
-

11.2. DEMARCATION MARKERS:

11.2.1. Bidder's Name:

11.2.2. Manufacturer of Demarcation Markers:

11.2.3. Brand Name:

11.2.4. Model:

11.2.5. Existence of Manufacturing Company:years

11.2.6. Is the Bidder an Agency for Markers offered? YES ☐ NO ☐

11.2.7. Is the Bidder an Affiliated Company to the Manufacturing Company?
YES ☐ NO ☐

11.2.8. Has manufacturing company been awarded an ISO 9001 or similar certificate for
Quality assurance in: Design/development, production and servicing:
☐ YES ☐ NO

11.2.9. Other Certification and amount of years?
..... years

11.2.10. Is descriptive literature of the Demarcation Markers, attached? ☐ YES ☐ NO

11.2.11. Diameter of Demarcation Markers: ($\pm$ 500 mm $\varnothing$)

11.2.12. Overall Weight (Including Foam): ($\pm$ 500 mm $\varnothing$) kg

11.2.13. Type of Material used for the body of the marker:

11.2.14. Type of Foam used in the Marker:

11.2.15. Nominal wall thickness of the Marker:

11.2.16. Is the mooring eye fixed with a stainless steel insert? YES ☐ NO ☐

11.2.17. Inside diameter of mooring eye:

11.2.18. Thickness of mooring eye (length of stainless steel insert):

11.2.19. Describe in detail how the Demarcation Marker will compensate for altitude / air pressure:

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11.2.20. Guarantee's: Demarcation Marker Body: years

Colour: years

Any Comments / Remarks with regard to the offered guarantees?

.....

.....

11.2.21. Is your offer to Specification? YES ☐ NO ☐

11.2.22. If your answer to question, in paragraph 11.2.21. is NO, please state nature of Deviation in **Annexure A**.

12. TECHNICAL SCHEDULE FOR FIXING ACCESSORIES:

12.1. FIXING ACCESSORIES:

12.1.1. Bidder's Name:

12.1.2. Are all steel accessories offered, 316 Marine Grade Stainless Steel? ☐ YES ☐ NO

12.1.3. Is your offer to Specification? ☐ YES ☐ NO

12.1.4. If your answer to question, in paragraph 12.1.3. is NO, please state nature of deviation in ***Annexure A.***

13. CONTRACT PROGRAMME AND BACK-UP:

13.1. Delivery period for **all items** after placing the order: weeks

13.2. Delivery period, Firm or Not. ☐ FIRM ☐ NOT FIRM

13.3. Please provide the Address of the Manufacturing Company / Importing Company where samples of the offered AtoN Pillar Buoys and/or Demarcation Markers can be inspected prior to the awarding of the Contract:

.....

13.4. Give a short description of the back-up service that can be provided by the Bidder:

.....

.....
BIDDER'S SIGNATURE

.....
DATE

NAME OF BIDDER / COMPANY: