

REQUEST FOR QUOTATION

YOU ARE HEREBY INVITED TO QUOTE FOR REQUIREMENTS OF THE MARINE LIVING RESOURCES FUND

REQUEST FOR QUOTATIONS: RFQ000571

CLOSING DATE: 06 OCT 2022

CLOSING TIME: 11:00

DESCRIPTION:

Nursery Recirculating Aquaculture System (RAS) Upgrade, as well as Dusky kob Recirculating Aquaculture (RAS) Upgrade (Sea Point Marine Research Aquarium).

NB: Suppliers should be registered on the CSD

The successful bidder will be required to fill in and sign a written Contract Form (SBD 7).

RFQ DOCUMENTS MAY BE EMAILED TO:

tncobo@dffe.gov.za

Bidders should ensure that bids are delivered timeously to the correct address. If the bid is late, it will not be accepted for consideration.

ALL RFQ'S MUST BE SUBMITTED ON THE OFFICIAL FORMS

THIS RFQ IS SUBJECT TO THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2011, THE GENERAL CONDITIONS OF CONTRACT (GCC) AND, IF APPLICABLE, ANY OTHER SPECIAL CONDITIONS OF CONTRACT

**THE FOLLOWING PARTICULARS MUST BE FURNISHED
(FAILURE TO DO SO MAY RESULT IN YOUR BID BEING DISQUALIFIED)**

NAME OF BIDDER

POSTAL ADDRESS

STREET ADDRESS

TELEPHONE NUMBER CODE..... NUMBER.....

CELLPHONE NUMBER

FACSIMILE NUMBER CODENUMBER.....

E-MAIL ADDRESS

VAT REGISTRATION NUMBER

HAS AN ORIGINAL AND VALID TAX CLEARANCE CERTIFICATE BEEN SUBMITTED? (SBD 2) YES or NO

HAS A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE BEEN SUBMITTED? (SBD 6.1) YES or NO

IF YES, WHO WAS THE CERTIFICATE ISSUED BY?

AN ACCOUNTING OFICER AS CONTEMPLATED IN THE CLOSE CORPORATION ACT (CCA).....

.....
A VERIFICATION AGENCY ACCREDITED BY THE SOUTH AFRICAN ACCREDITATION SYSTEM (SANAS);
OR.....
A REGISTERED AUDITOR
[TICK APPLICABLE BOX]

(A B-BBEE STATUS LEVEL VERIFICATION CERTIFICATE 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?
NO

YES or

[IF YES ENCLOSE PROOF]

SIGNATURE OF BIDDER

DATE

CAPACITY UNDER WHICH THIS BID IS SIGNED

TOTAL BID PRICE..... TOTAL NUMBER OF ITEMS OFFERED

ANY ENQUIRIES REGARDING THIS RFQ PROCEDURE MAY BE DIRECTED TO:

Contact person: Tumeka Ncobo
Tel: (046) 402 3382
Email address: tncobo@dfpe.gov.za

ANY ENQUIRIES REGARDING TECHNICAL INFORMATION MAY BE DIRECTED TO:

Contact person: Brett Lewis
Tel: 021 430 7009
Email address: BLewis@dfpe.gov.za

PRICING SCHEDULE
(Professional Services)

NAME OF BIDDER:	RFQ NO.: RFQ 000571
CLOSING TIME 11:00	CLOSING DATE: 06 OCT 2022

OFFER TO BE VALID FOR 90 DAYS FROM THE CLOSING DATE OF BID.

ITEM NO	DESCRIPTION	BID PRICE IN RSA CURRENCY **(ALL APPLICABLE TAXES INCLUDED)
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Nursery Recirculating Aquaculture System (RAS) Upgrade, as well as Dusky kob Recirculating Aquaculture (RAS) Upgrade (Sea Point Marine Research Aquarium).

NB: Suppliers should be registered on the CSD

1. The accompanying information must be used for the formulation of proposals.
2. Bidders are required to indicate a ceiling price based on the total estimated time for completion of all phases and including all expenses inclusive of all applicable taxes for the project. R.....

3. PERSONS WHO WILL BE INVOLVED IN THE PROJECT AND RATES APPLICABLE (CERTIFIED INVOICES MUST BE RENDERED IN TERMS HEREOF)

4. PERSON AND POSITION	HOURLY RATE	DAILY RATE
.....	R.....

5. PHASES ACCORDING TO WHICH THE PROJECT WILL BE COMPLETED, COST PER PHASE AND MAN-DAYS TO BE SPENT

.....	R..... days

5.1 Travel expenses (specify, for example rate/km and total km, class of airtravel, etc). Only actual costs are recoverable. Proof of the expenses incurred must accompany certified invoices.

DESCRIPTION OF EXPENSE TO BE INCURRED	RATE	QUANTITY	AMOUNT
.....	R.....
.....	R.....
.....	R.....
.....	R.....

Name of Bidder:

TOTAL: R.....

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

5.2 Other expenses, for example accommodation (specify, eg. Three star hotel, bed and breakfast, telephone cost, reproduction cost, etc.). On basis of these particulars, certified invoices will be checked for correctness. Proof of the expenses must accompany invoices.

DESCRIPTION OF EXPENSE TO BE INCURRED	RATE	QUANTITY	AMOUNT
.....	R.....
.....	R.....
.....	R.....
.....	R.....

TOTAL: R.....

- 6. Period required for commencement with project after acceptance of bid
.....
- 7. Estimated man-days for completion of project
.....
- 8. Are the rates quoted firm for the full period of contract? *YES/NO
- 9. If not firm for the full period, provide details of the basis on which adjustments will be applied for, for example consumer price index.
.....
.....
.....

*[DELETE IF NOT APPLICABLE]

Any enquiries regarding bidding procedures may be directed to the –

DEPARTMENT OF FORESTRY, FISHERIES & THE ENVIRONMENT

ATTENTION Miss Tumeka Ncobo

Tel: 021 402 3382

Or for technical information –

ATTENTION: Brett Lewis

TEL: 021 430 7009

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

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.

with any person who is employed by the procuring institution? **YES/NO**

2.2.1 If so, furnish particulars:

.....
.....

2.3 Does the bidder or any of its directors / trustees / shareholders / members / partners or any person having a controlling interest in the enterprise have any interest in any other related enterprise whether or not they are bidding for this contract? **YES/NO**

2.3.1 If so, furnish particulars:

.....
.....

3 DECLARATION

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

- 3.1 I have read and I understand the contents of this disclosure;
- 3.2 I understand that the accompanying bid will be disqualified if this disclosure is found not to be true and complete in every respect;
- 3.3 The bidder has arrived at the accompanying bid independently from, and without consultation, communication, agreement or arrangement with any competitor. However, communication between partners in a joint venture or consortium² will not be construed as collusive bidding.
- 3.4 In addition, there have been no consultations, communications, agreements or arrangements with any competitor regarding the quality, quantity, specifications, prices, including methods, factors or formulas used to calculate prices, market allocation, the intention or decision to submit or not to submit the bid, bidding with the intention not to win the bid and conditions or delivery particulars of the products or services to which this bid invitation relates.
- 3.4 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

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.

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

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

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

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

1. GENERAL CONDITIONS

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

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

1.2

a) The value of this bid is estimated to **not exceed** R50 000 000 (all applicable taxes included) and therefore the **80/20** preference point system shall be applicable;

1.3 Points for this bid shall be awarded for:

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

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

	POINTS
PRICE	80
B-BBEE STATUS LEVEL OF CONTRIBUTOR	20
Total points for Price and B-BBEE must not exceed	100

1.5 Failure on the part of a bidder to submit proof of B-BBEE Status level of contributor together with the bid, will be interpreted to mean that preference points for B-BBEE status level of contribution are not claimed.

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

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

80/20

or

90/10

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

Where

P_s = Points scored for price of bid under consideration

P_t = Price of bid under consideration

P_{max} = Price of highest acceptable bid

5. POINTS AWARDED FOR B-BBEE STATUS LEVEL OF CONTRIBUTOR

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

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

6. BID DECLARATION

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

7. B-BBEE STATUS LEVEL OF CONTRIBUTOR CLAIMED IN TERMS OF PARAGRAPHS 1.4 AND 4.1

- 7.1 B-BBEE Status Level of Contributor: . =(maximum of 10 or 20 points)
(Points claimed in respect of paragraph 7.1 must be in accordance with the table reflected in paragraph 4.1 and must be substantiated by relevant proof of B-BBEE status level of contributor.)

8. SUB-CONTRACTING

- 8.1 Will any portion of the contract be sub-contracted?

(Tick applicable box)

YES	<input type="checkbox"/>	NO	<input type="checkbox"/>
-----	--------------------------	----	--------------------------

- 8.1.1 If yes, indicate:

- i) What percentage of the contract will be subcontracted.....%
- ii) The name of the sub-contractor.....
- iii) The B-BBEE status level of the sub-contractor.....
- iv) Whether the sub-contractor is an EME or QSE
(Tick applicable box)

YES		NO	
-----	--	----	--
- v) Specify, by ticking the appropriate box, if subcontracting with an enterprise in terms of Preferential Procurement Regulations,2017:

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

9. DECLARATION WITH REGARD TO COMPANY/FIRM

- 9.1 Name of company/firm:.....
- 9.2 VAT registration number:.....
- 9.3 Company registration number:.....

9.4 TYPE OF COMPANY/ FIRM

- Partnership/Joint Venture / Consortium
- One person business/sole propriety
- Close corporation
- Company
- (Pty) Limited

[TICK APPLICABLE BOX]

9.5 DESCRIBE PRINCIPAL BUSINESS ACTIVITIES

.....

.....

.....

.....

9.6 COMPANY CLASSIFICATION

- Manufacturer
- Supplier
- Professional service provider
- Other service providers, e.g. transporter, etc.

[TICK APPLICABLE BOX]

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

9.8 I/we, the undersigned, who is / are duly authorised to do so on behalf of the company/firm, certify that the points claimed, based on the B-BBE status level of contributor indicated in paragraphs 1.4 and 6.1 of the foregoing certificate, qualifies the company/ firm for the preference(s) shown and I / we acknowledge that:

- i) The information furnished is true and correct;
- ii) The preference points claimed are in accordance with the General Conditions as indicated in paragraph 1 of this form;
- iii) In the event of a contract being awarded as a result of points claimed as shown in paragraphs 1.4 and 6.1, the contractor may be required to furnish documentary proof to the satisfaction of the purchaser that the claims are correct;
- iv) If the B-BBEE status level of contributor has been claimed or obtained on a fraudulent basis or any of the conditions of contract have not been fulfilled, the purchaser may, in addition to any other remedy it may have –

- (a) disqualify the person from the bidding process;
- (b) recover costs, losses or damages it has incurred or suffered as a result of that person’s conduct;
- (c) cancel the contract and claim any damages which it has suffered as a result of having to make less favourable arrangements due to such cancellation;
- (d) recommend that the bidder or contractor, its shareholders and directors, or only the shareholders and directors who acted on a fraudulent basis, be restricted by the National Treasury from obtaining business from any organ of state for a period not exceeding 10 years, after the *audi alteram partem* (hear the other side) rule has been applied; and
- (e) forward the matter for criminal prosecution.

WITNESSES

1.

2.

.....
SIGNATURE(S) OF BIDDERS(S)

DATE:

ADDRESS

.....

.....

**forestry, fisheries
& the environment**

Department:
Forestry, Fisheries and the Environment
REPUBLIC OF SOUTH AFRICA

THE MARINE LIVING RESOURCES FUND, A SCHEDULE 3A PUBLIC ENTITY ESTABLISHED IN TERMS OF THE PUBLIC FINANCE MANAGEMENT ACT, 1999 (ACT NO 1 OF 1999) AND THE DEPARTMENT OF FORESTRY, FISHERIES AND ENVIRONMENT ("DFFE") (IN ITS COMMITMENT TO THE PRINCIPLES ENSHRINED IN THE CONSTITUTION OF THE REPUBLIC OF SOUTH AFRICA, 1996) ADHERES TO THE PROVISIONS OF THE BROAD BASED BLACK ECONOMIC EMPOWERMENT ACT, 53 OF 2003 (B-BBEE), THE PREFERENTIAL PROCUREMENT POLICY FRAMEWORK ACT, 5 OF 2000 ("PPPF") AND THE PREFERENTIAL PROCUREMENT REGULATIONS, 2017.

TERMS OF REFERENCE

TO APPOINT A SERVICE PROVIDER (SP) TO THE DEPARTMENT OF FORESTRY, FISHERIES AND THE ENVIRONMENT (DFFE) / MARINE LIVING RESOURCES FUND (MLRF) FOR SUPPLY AND DELIVERY OF **Nursery Recirculating Aquaculture System (RAS) Upgrade, as well as Dusky Kob Recirculating Aquaculture System (RAS) Upgrade (Sea Point Marine Research Aquarium).**

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1. PURPOSE

The Department of Forestry, Fisheries and the Environment (“DFFE”) / MLRF requires the services of a Service Provider (SP) to supply and deliver **Nursery Recirculating Aquaculture System (RAS) Upgrade, as well as Dusky Kob Recirculating Aquaculture System (RAS) Upgrade (Sea Point Marine Research Aquarium)**. *Supplier should comply with CIDB and attach.*

SPECIFICATIONS:

Sea Point MRA - Nursery RAS service points for final design outlay:

1. Installation of double rail notched trench (outflow) and dampening pipe in current swirl separators – conversion will change current 2 units to more efficient (200%) radial flow settlers.
2. Outflow of the two radial settlers will enter 30kl/h drum filter (marine water resistant and with 24-month warranty) with submersible UV treatment of drum screen. Drum filter supplied with spare replacement screens and tools for replacement. Drum screen cleaning chemical supplied (6 months’ reserve stock). Screen size 60micron.
3. Make up water inlet in chimney pipe before drum filter (Make up water flow rate must be visible). Make up water line equipped with flow meter (50mm)
4. Keep system and heat pump Speck pumps but only as valve controlled backup. Replace current defective Speck pumps (250w). All pumps replaced by ACP 20 submersible pumps (20kl/h using 120w +flow controller) mounted in the system sump. Submersible pump delivery lines connected to supply lines of SPECK pumps (valve controlled)
5. Cleaning and repairing of system sump (new fibreglass top coat)
6. Servicing and cleaning degasser unit and pump.
7. Servicing and lamp replacement of currently installed UV sterilizer units x 6 (or complete unit replacement). If replaced, then old units to be given to the system manager.
8. LP 100 aerators x 4 (1 per 5 tanks). Aerators mounted on platform on overhead wood beams
9. Aerator main ring (50mm PVC) supplies air via silicon tubing (10mm OD aperture) and choke valves to centred 10mm inlet of leaky pipe square ring diffusers. Design of the latter will be explained during site meeting with client. The air inlet must pass through the wall of the tank just below the 8mm stainless steel ring line of cover net (see point 12 below).
10. Supply of cylindrical (60cm long) oyster net mesh (9mm) welded and adapted to fit tightly in centre drain of each tank (x 21)
11. System LP 100 aerators and circulation pumps connection to currently installed UPS unit (backup in case of generator failure)
12. All 20 system tanks must be equipped with a removable cover net (22% black shade net – Alnet) attached to an 8mm 316 stainless steel ring (stitched loop aperture). The ring must be just lower than the current upper pipe lip of tanks
13. Replacement of sand in current 2 bag two sand filter units (pressurized) with coarse AMF media (grades 2 and 3). The multiport valves to be replaced with 50mm bore double union ball valves, which will totally replace the functions of the multiport valves.

14. Installation of available heat pump as backup for current heat pump (valve controlled change – over)
15. Separate DB for all electrical work of system. Quote must include all wiring.
16. Flow switch mediated GSM alarm signal (SMS) if system pump (s) fail to supply water
17. Installation of flow switch mediated GSM alarm signal (SMS) if system pump (s) fail to supply water
18. After all servicing and installations – the system recirculation must be fully functional with double notch weir overflow at apex point of teeth (maximum recirculation volume flow).

SPECIFICATIONS:

KOB KEEPING RAS REVAMP REQUIREMENTS AT THE SEAPOINT MARINE RESEARCH AQUARIUM

PROPOSED NEW FUNCTIONALITY DESCRIPTION:

1. The kob tank bottom sludge drain diameter = 110mm controlled by 110mm butterfly valve. The sludge drain line connected to an inline grid basket FG box and effluent trench system. The grid basket intended for catchment for big chunks of uneaten food. The basket is cleared after each sludge removal session.
2. Water exits kob tank bottom drain and is lifted in the current 110mm PVC pipe to the new filter system at the normal height of the water level in circular kob tank. This height ends in a T-piece fixed to an anchor point (25mm square tubing SS triangular arm fixed to a 40mm SS flat bar base plate at upper and lower point – and bolted to building wall next to the kob tank.
3. The T-piece transports water in the horizontal arm (vertical arm = siphon break) to a down pipe which is fixed to the current wooden beam overhead structure, and supplies the bottom drain water eventually to the inner dampening pipe (700mm diameter) in an upward flow of a radial flow swirl separator (RFSS) mounted on the floor next to the kob tank (furthest away from building wall mentioned). The 2,2m diameter cylindro conical RFSS (similar configured dimensions than for formal octopus units outside the building) equipped with a double rail notched trench (outflow) connected to an exit pipe which enters a drumfilter (50kl/h).
4. The 50kl/h drumfilter resistant to marine water and equipped with submersed waterproof UV light protecting its screen (60 micron) from developing biofilm. Drumfilter supplied with spare replacement screens and tools for replacement. Drum screen cleaning chemical supplied (6 months' reserve stock). The drumfilter jet pump equipped with a replaceable/cleanable SS strainer in drumfilter with mesh aperture smaller than those of jets. Drumfilter must have a 24 month warranty with service contract.
5. The drumfilter also receives a make-up water inlet in vertical open pipe (Make up water flow rate must be visible). The make-up inlet, the kob tank bottom drain line, and the 110mm kob tank overflow line (will be discussed later) connected separately by saddles or reducing bush (200mm x 110mm) into to the 200mm drumfilter inlet pipe. Make up water line equipped with flow meter within kink flow configuration.
6. Drumfilter backwash waste water connected to mentioned trench effluent. Drumfilter electrical connection to same cable point as for current defective drumfilter. Drumfilter filtered outflow water line

connected to one of two fibreglass sumps (60cm (w) x 120cm (L) x 0,9m (H)). Head loss from swirl separator to sump is at least 250mm.

7. The first sump (FG) is furthest away from building wall (next to kob tank) and an FG (fibreglass) tower biofilter is in line positioned between the first sump and the effluent trench. The cylindrical FG tower biofilter (40cm diameter) is closed at the bottom and the bottom exit connected to the trench via a sludge valve (50mm) The tower biofilter (2,5m high) is bracket (rust free) connected to the building wall to secure its position. The tower equipped with 75mm exit pipe about 20cm from the top of the pipe. This 75mm pipe equipped with a bend and centred down pipe within the centre axis of tower. The down pipe ends 20cm from the floor of the tower and it is equipped with a stop end (end plug). Above the end plug the pipe is slotted with 5mm wide slots spaced 1,5cm apart and over a distance of 60cm. A leaky pipe(20mm) air diffuser ring is installed before the 75mm downpipe is installed. The ring fits firmly in the bottom between base plate and inner tube wall of the tower pipe and is made firm by the inner 6mm round bar (SS=316) bend to shape the leaky pipe configuration. The latter is connected with two 15mm nylon insert fittings on opposite sides of the ring. A 20mm PVC pipe (class 9) is heat fit to the nylon inserts and the two pipes (with valve control –externally, are connected to the overhead 25mm PVC pipe that also supplies air to the kob tank (valve controlled and suspended ring diffuser).

8. The 20mm PVC airlines keep the ring in horizontal position, which is about 20cm above the floor of the biofilter tower The tower is filled with 125L of biomedica (Kaldnes). During normal operation the media will be in suspension in the tower. The tower receives water from the top using a dedicated 85W submersible pump (12kl/h with flow controller) - that retracts water at the return pipe entrance of sump 1 – from Drumfilter. The pump first supply water in bypass configuration to two parallel connected UV sterilizers (55W each) before entering the biofilter. Biofilter return water gravitates to sump 1 and close to the circulatory pump extraction point of sump.

9. The mentioned sump (no 1) also accommodates two 180w submersible pumps (20kl/h with flow controller)) which respectively supply overhead water (65mm PVC) to the kob tank (at a tangential angle), or alternatively (spawning sessions), supplying water to the bottom drain pipe upwards top entrance point (T-piece upper) to push water through the bottom drain to the overflow weir in kob tank. The pump supplying the bottom drain line is normally off until required (spawning sessions). This pump can also support or take-over the second pump if it is defective (valve controlled). The sump further accommodates an overflow pipe, as well as suction points for the current Speck pumps respectively supplying water to the current top deck heatpump and the foam fractionator. The installation requires also a backup heat pump on the outer top deck and with change-over control using valves. The return water of heat pumps to pass through a second set of UV sterilizers (2 x 55w). The latter also in a bypass configuration (and valve control) as mentioned above for biofilter pump line.

10. The second sump is similar sized and parallel to the first but about 150mm higher (brisk plinth). It is closest to the kob tank and receives water from the weir overflow of kob tank as discussed, the down pipe line (110mm) to the sump is wall mounted. The down pipe is straightened and turned 90 degrees upwards with water splashing onto the surface water of the sump. Before the pipe is bend upwards, a 110mm T-piece is installed and a 110mm butterfly valve between the T-piece and the bend. If the valve is

closed, then the water will lift in the T-piece and taken by a fitted 110mm PVC pipe to the first sump (if eggs to be collected of collection screen be replaced). This line to the second sump higher than the vertical exit of the mentioned elbow (feeding second sump at surface level). The second sump equipped with bottom drain pipe with T-piece that allows water to enter the first sump (second supply line facilitated by elbow inlet – transporting kob eggs to sump 2)), should the drain valve (110mm butterfly valve) be closed between the T-piece and the effluent trench. The second sump to be lined with a nylon mesh (500 micron) screen bag to trap eggs for scoop net removal.

11. **Other changes: Electrical connections and splash/humidity proof switches for all electrical equipment. System LP 100 aerators (will be supplied) and 180w circulation pumps connection to current available UPS unit (backup in case of generator failure, also breach power interruption between grid and generator commissioning)**

12. **Consumables/contingencies must include spare UV tubes (x 8), timer (overhead lighting), net liners for egg collection, overhead light tubes x 8 (kob tank). Leaky pipe diffuser for kob tank (similar to those in nursery system but with 50cm square frame and 15mm silicon tube connection between ring main and kob tank bottom floor.**

2. EVALUATION METHOD

3.1. Preferential Points (80/20 system)

3.1.1. An evaluation of Price and BBBEE on the suppliers, that successful qualified to this stage of evaluation.

3.1.2. **Calculation of points for price** - The Preferential Procurement Policy Framework Act (PPPFA) prescribes that the lowest acceptable bid will score 80 points (for tenders under R50m) or 90 points (for tenders above R50m) for price. Suppliers that quoted higher prices will score lower points for price on a pro-rata basis. Where functionality is set as criteria, only bid proposals that meets functionality requirements will be considered for evaluation on price and B-BBEE.

3.1.3. The 80/20 as an appropriate preference point system will be used in the evaluation and adjudication of this quote. However, it must be extended that the lowest acceptable quote will be used to determine the applicable preference point system as per regulation (Section 3(a)(ii) of the Preferential Procurement Regulations (PPR) 2017, which states: "If it is unclear which preference point system will be applicable, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable proposal will be used to determine the applicable preference point system". Therefore, either 80 or 90 points, depending on the rand value of the proposal, will be awarded to the suppliers who offers the lowest price, and proportionately fewer points are awarded to those with higher prices. Either 20 or 10 points are then available as preference

points for EMEs, QSEs or B- BBEE contributors, as applicable. The contract will be awarded to the suppliers that scores the highest total number of adjudication points per category.

Calculating of points for B-BBEE status level of contribution

- 3.1.4. Points will be awarded to a supplier for attaining the B-BBEE status level of contribution by submitting original and valid B-BBEE Status Level Verification Certificate issued by SANAS Accredited Verification Agency or certified copies thereof; or B-BBEE Certificate issued by CIPC, or Sworn Affidavit commissioned by Commissioner of Oaths together with their bids, to substantiate their B-BBEE rating claims. SBD 6.1 must also be duly completed, signed, and submitted alongside the bid to claim preference points. Failure to do so will result in B-BBEE preference points being forfeited.
- 3.1.5. The 80/20 as an appropriate preference point system will be used in the evaluation and adjudication of this quotation. However, it must be extended that the lowest acceptable supplier will be used to determine the applicable preference point system as per regulation (Section 3(a)(ii) of the Preferential Procurement Regulations (PPR) 2017, which states: "If it is unclear which preference point system will be applicable, that either the 80/20 or 90/10 preference point system will apply and that the lowest acceptable supplier will be used to determine the applicable preference point system". Therefore, either 80 or 90 points, depending on the rand value of the quotation, will be awarded to the suppliers who offers the lowest price, and proportionately fewer points are awarded to those with higher prices. Either 20 or 10 points are then available as preference points for EMEs, QSEs or B- BBEE contributors, as applicable. The contract will be awarded to the suppliers that scores the highest total number of adjudication points per category.
- 3.1.6. Points will be awarded to a supplier for attaining the B-BBEE status level of contribution or a sworn affidavit certified by the commissioner of oath in accordance with the table below:

B.	PRICE	80
C.	B-BBEE Status Level Contributor	Number of points (20)
	1	20
	2	18
	3	14
	4	12
	5	8
	6	6

	7	4
	8	2
	Non-compliant contributor	0

- 3.1.7. The SCM unit of the DFFE / MLRF will allocate preferential points (B-BBEE) to each company for its contribution towards empowerment of the black designated groups as prescribed in the Preferential Procurement Regulations of 2017, women, people with disabilities, youth as well as local economic development as set out in the Broad-Based Black Economic Empowerment Codes.
- 3.1.8. A supplier will not be disqualified from the quotation process if the suppliers does not submit a certificate substantiating the B-BBEE status level of contribution or is a non-compliant contributor. Such some suppliers will score 0 for B-BBEE.
- 3.1.9. Suppliers will be subject to SCM conditions of the Department. The Preferential Procurement Regulations, 2011 issued in terms of section 5 of the Preferential Procurement Policy Framework Act (Act No 5 of 2000) (PPPFA), aligned with the aims of the Broad-Based Black Economic Empowerment Act 53 of 2003 as amended by the Broad-Based Black Economic Empowerment Amendment Act 46 of 2013, and Phase 2 of its Codes of Good Practice.
- 3.1.10. The PPPFA prescribes that the lowest acceptable bid will score 80 or 90 points for price (as explained above, depending on whether the bid prices is more or less than R50million). Suppliers that quoted higher prices will score lower points for price on a pro-rata basis. Where functionality is set as a criterion, only bid proposals that meets functionality requirements will be considered to be evaluated on price and B-BBEE.
- 3.1.11. The contract will be awarded to the supplier scoring the highest points. However, a contract may be awarded to a SP that did not score the highest points, only under regulation 2(1) (f) of the Preferential Procurement Regulation (PPR), 2017. The PPR mentions that objective criteria may be used to justify awarding the contract to another SP who has not scored the highest points. These objective criteria include contracting with persons, or categories of persons, historically disadvantaged by unfair discrimination based on race, gender or disability.

3. SUBMISSION REQUIREMENTS

- 4.1 Suppliers should ensure that the following submission requirements, which will be needed for evaluation purposes are included in their bid proposal and are as follows:
- 4.1.1 The SP must draft a table of content which will indicate where each document is located in the proposal.
- 4.1.2 The proposal shall consist of two parts, namely the technical bid and the pricing bid (master and copies).

4.1.3 Add documents that are required to be submitted with the bids. These documents include those included in phase one (1) and two (2) of evaluation criteria.

4.1.4 Standard bidding documents (SBD1, 2, 3.1/3.3, 4, 6.1) completed and signed.

- A valid copy of the Tax Clearance Certificate/ Tax Compliance Status Pin issued by SARS to the supplier/copy of Central Supplier Database (CSD)/ MA supplier Number must be submitted together with the bid.
- In case of bids where Consortia / Joint Ventures / Sub-contractors are involved; such must be clearly indicated and each party must submit a separate copy of a valid Tax Clearance Certificate or copy of Tax Compliance Status Pin or CSD/ MAAA supplier Number together with the bid.
- Certified copies of identity documents of directors and shareholders of the company.
- Entity registration Certificate (CK1).
- Letter of Authority to sign documents on behalf of the company.
- B-BBEE certificate/Sworn Affidavit (if claiming for B-BBEE points)

4. SPECIAL CONDITIONS OF CONTRACT

5.1 On appointment, the performance measures for the delivery of the agreed services will be closely monitored by Department / MLRF.

5.2 The Department / MLRF will not be held responsible for any costs incurred by the SPs in the preparation, presentation and submission of the proposal.

5.3 All the conditions specified in the General Conditions of Contract (GCC) will apply and where the conditions in the special conditions of contract contradicts the conditions in the general conditions of contract, the special conditions of contract will prevail.

5. PAYMENT TERMS

6.1 The DFFE / MLRF undertakes to pay out as per deliverables within 30 (thirty) days all valid claims for work done to its satisfaction upon presentation of a substantiated claim and the required reports stipulated in special conditions. No payment will be made where there is outstanding information/work not submitted by the Service Provider/s until that outstanding information is submitted.

6.2 Payment by the DFFE / MLRF shall be made by means of an electronic transfer into the SP's bank account.

6.3 Payment requirements

- The amounts are inclusive of VAT and all disbursements shall be paid in South African Rands.
- The successful Service Provider shall provide the MLRF with an original tax invoice for the services rendered. Once the MLRF has approved such an invoice and is satisfied with the services rendered, it

will make payment to the successful Service Provider within 30 days of approval of such a request. For SMEs payments will be done within 14 days upon receipt of invoice.

6. ENQUIRIES

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

Name	Email address
Tumeka Ncobo	TNcobo@dfpe.gov.za