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## 5. TERMS OF REFERENCE

### 1. Background

- a. Process Services was requested by Operations to design a bypass of the reed-bed at Camperdown WWW. The effluent bypass pipeline will convey clarified water directly from the secondary clarifier to the chlorine, dosing chamber at Camperdown WWW. The bypass will enable Operations to shut down and clean the reed bed with uninterrupted effluent flow to the chlorine contact tank. This report presents the reed-bed, bypass specification.
- b. During the site assessment for this project, Process Services identified shortcomings with the recently installed effluent outflow flow rate measurement set up (i.e. rectangular weir with an ultrasonic meter), which would result in inaccurate effluent out flow measurements from the reed bed. Process Services therefore recommends that this be rectified (the existing chamber may require modification in order to locate the ultrasonic meter at the recommended distance upstream of the weir, and a V-notch weir may need to replace the rectangular weir to improve measurement accuracy).

### 2. Description of goods/ services required

The service provider is to supply and install the bypass pipeline that is the same diameter as the existing clarified effluent pipe diameter (i.e. 160 mm OD).

The proposed 160mm OD uPVC pipeline will tie-in to the existing clarified effluent pipeline from Clarifier no.2.

The supplier will supply and install a gate valve on the bypass pipeline, for ON/OFF purposes. Similarly, another gate valve will need to be located on the clarifier effluent pipeline (downstream of the tie-in point) for ON/OFF purposes. Therefore, these gate valves will be used to direct the clarified effluent to either the reed bed or the bypass line feeding the dosing chamber.

The supplier will need to supply and install the supports for the two valve to prevent pipe deflection.


The bypass pipeline will be located above ground at the tie-in and the two valves will be located above ground.

The supplier will need to do the excavations for the bypass pipeline that will be laid underground down the sloped ground until it reaches the reed bed wall.

Thereafter, the bypass pipeline will be laid above ground along the reed bed wall to the discharge point in the weir chamber.

The supplier will need to supply brackets that will fix the pipe to the reed-bed wall.

The exit end of the bypass pipeline must discharge into the dosing chamber

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### 3. Deliverables/Key Outcomes.

Supply and install the bypass pipeline that is the same diameter as the existing clarified effluent pipe diameter (i.e. 160 mm OD).

The proposed 160mm OD uPVC pipeline will tie-in to the existing clarified effluent pipeline from Clarifier no.2.

### 4. Contract term

The Contract will be for duration of one week.

### 5. Other information

We estimate the quantity to be delivered; the service provider will have to complete the whole scope of supply and install the bypass pipeline that is the same diameter as the existing clarified effluent pipe diameter (i.e. 160 mm OD).

The proposed 160mm OD uPVC pipeline will tie-in to the existing clarified effluent pipeline from Clarifier no.2.

The supplier will supply and install a gate valve on the bypass pipeline, for ON/OFF purposes. Similarly, another gate valve will need to be located on the clarifier effluent pipeline (downstream of the tie-in point) for ON/OFF purposes. Therefore, these gate valves will be used to direct the clarified effluent to either the reed bed or the bypass line feeding the dosing chamber.

- The project will be located or based at Camperdown wastewater works.
- Payment will be done once the project is completed since the project duration is only one Week].
- New Intellectual Property arising as a result of the Contract will be the property of Camperdown WWW

### 6. Other documents

**In addition to this Bid document, the documents listed below form part of this Bid:**

- Guarantee certificate once the project is completed


### 7. Special conditions (N/A)

Example;

- The service providers may be required to make presentations, provide further information or clarification to the evaluation committee.
- All IT personnel must have a preliminary security clearance conducted by the service provider and at the service provider's cost. Etc

### 8. Pricing

- The bidder shall provide the price proposal as detailed in SBD 3.1
- The bidders's price must be fully inclusive, and each item must be clearly specified.
- All additional costs must be clearly specified and included in the total quotation price, (e.g. transport, labour, etc.).
- All prices must be VAT inclusive.
- The bidder is responsible for all the cost that they shall incur related to the preparation and submission of the quotation.

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## 9. Evaluation Process

The RFQ will be evaluated using a two (02)-stage evaluation approach:

### 9.1 First stage: Mandatory/ Administrative Requirements

#### **Mandatory Requirements**

SBD 4 – Bidders disclosure  
CIDB Registration Certificate (1 CE)

#### **Administrative Requirements:**

Bidder completed all RFQ Forms  
Company Registration Certificate  
Bidder submitted CIPC document/CSD Report  
Proof of good standing in terms of the COID Act

### 9.2 Second Stage: Price and Preference goals

- Subsequent to the evaluation of mandatory/ administrative requirements, the second stage of evaluation of the bids will be in respect of price and preferential procurement only.
- Tenderer is tax compliant
- In compliance with the Preferential Procurement Regulations 2022, the 80/20 preference point system is applicable: points for this bid shall be awarded for:
  - Price; and (80) and Preference as defined in SBD 6.1 (20)
- The Preference Goals that have been identified for this bid is stipulated in SBD 6.1
- Preferential goals and applicable points for this tender in terms of Preferential Procurement Regulations 2022, are indicated in the table below:

	Description	80/20	Evidence to be provided
HDI	The entity must be 51% black owned	15	BBBEE Sworn Affidavit
RDP	The entity must be registered in South Africa	5	CIPC Registration certificate
<b>Total points for preferential goals</b>		<b>20</b>	

- Failure on the part of a bidder to submit proof or documentation required in terms of this RFQ to claim points for specific goals, will be interpreted to mean that preference points for specific goals are not claimed by the bidder.
- UW 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 UW.
- UW reserves the right to conduct negotiations with the qualifying bidder/s regarding any terms and conditions, including price(s), of a proposed contract where applicable UW reserves the right not to accept the lowest financial offer or any offer