

SUPPLY AND DELIVER PORTABLE METERS WITH RUGGED DO PROBE TO ERWAT DD5 WWTW**Author :** FABIAN**Date posted :** 2018-03-01**Bid Number :** ERW201803/001**Description :****Bids are hereby invited for the:****SUPPLY AND DELIVER PORTABLE METERS WITH RUGGED DO PROBE TO ERWAT DD5 WWTW****1. Scope of Work:**

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1. Supply and deliver 4 x Meters
(Multi meter must be able to test Dissolved Oxygen (DO) as well as pH, Conductivity, Salinity, TDS, ORP, etc. for wastewater)
2. Supply 5 x Rugged DO probes
3. Provide training to operating staff on use of instrument at JP Marais.

2. Specifications for meters to be supplied:

Barometric Pressure Measurement: For automatic compensation of DO
Battery Requirements: 4, AA
Conductivity Accuracy: ± 0.5 % from (1 μ S/cm - 200 mS/cm)
Conductivity Measurement Range: 0.01 μ S/cm to 200.0 mS/cm
Data Export: Download via USB connection to PC or flash stick.
Data Memory: 500 results.
Digital (intelligent) electrode inputs: 2 channel
Dimensions: Height: 19.7 cm, Width (H x W x D):197 mm x 95 mm x 36 mm
Display: Display readings from one or two probes (pH: pH, mV, temperature)
Conductivity: Conductivity, TDS, salinity, resistivity, temperature
LDO: dissolved oxygen, pressure, temperature
Display Lock Function: Continuous measurement or "press to read" mode available with averaging function for LDO measurement.
Display Type: 240 x 160 pixel LCD with backlight illumination
DO Measurement Range: 0.01 - 20 mg/L
DO Resolution: 0.01 mg/L
Operating Error Messages: Keypad
Operating Humidity: 90 % relative humidity (non-condensing)
Operating Interface: Keypad
Operating Temperature: 0 - 60 °C
Parameter: pH, mV, ISE, DO, Conductivity, TDS, Salinity, Resistivity, ORP, Temp
pH Accuracy: ± 0.002 pH
pH Measurement: 0 - 14 pH
pH Resolution: Selectable between 0.001 and 0.1 pH
Power Requirements (Voltage): 6 V
Resolution: 0.1/ 0.01/ 0.001
Salinity Measurement Range: 0.01 ppt
Simultaneous measurements: 2 channels
Sodium resolution: 0.001 mg/L (ppm)
Warranty: To be specified
Water Resistance: Meter Casing: 1 meter submersion for 30 minutes
Weight: 0.335 kg

1. Specifications for DO probe to be supplied together with Multimeter

Probe type: Luminescent dissolved oxygen (LDO) probe
Dissolved Oxygen range: 0.1 TO 20.0 MG/L
Dissolved oxygen accuracy: 0.1 mg/l for 0 to 8 mg/l
0.2 mg/l for greater than 8 mg/l
Stabilization time: T90% at 10 seconds when stirred
Temperature resolution: ± 0.1 degree Celsius
Temperature accuracy: ± 0.3 degree Celsius
Operating Temperature: 0 to 50 degree Celsius
Dimensions (Rugged) Diameter: 46 mm
Length: 223 mm
Cable length: 5 meter

3. General Conditions

1. The Contractor must have registered vehicles for transportation of equipment's to JP Marais plant.
2. Contractor must ensure that proper PPE is worn when coming to offer Erwat staff training on sites
3. Contractor must be:
 - 3.1 Registered at Workman Compensation Commissioner and submit a letter of good standing.
 - 3.2 In compliance with terms and conditions of the OHS Act as well as COLD Act and ensure that all conditions and requirements are adhered to at all times.
4. The Contractor takes full responsibility for the safety and health requirements of his/her employees and indemnifies Council and ERWAT from any claim whatsoever emanating from the operations.
5. The Contractor must submit proof of Public Indemnity Insurance and maintain it for the duration of the contract period. The Contractor further accepts full responsibility for damages, theft, injury, and death whatsoever caused to the general public or his employees during operations. The contractor will resolve all claims professionally and rapidly within one week.
5. Delivery ASAP after issuing of official Purchase order.
7. The Contractor shall provide a written invoice to ERWAT in terms of work executed.

1. Quotation Requirements:

Work offered that **DO NOT** comply with the specifications will not be evaluated. The successful bidder must register on National Treasury's Centralised Supplier Database (www.csd.gov.za). Quotation evaluation shall be performed on 80:20 principle (pricing and functionality 80% and BBBEE 20%)

PLEASE NOTE THAT FAILURE TO MEET ANY OR ALL OF THESE REQUIREMENTS WILL LEAD TO DISQUALIFICATION

- Valid Original Tax Clearance Certificate
- Copy of Latest Municipal Account (not older than three months from date of closing)
- Declaration of Interest MBD 4.2 (Download form ERWAT website/Procurement/Service Provider Registration)
- Valid BBB-EE Compliance Certificate

NB: Bidders will not be allowed on any of the Erwat sites without the correct PPE gear.

GENERAL NOTES

Completed tenders / quotations must be in a **sealed envelope** clearly marked with **contract number and description** and to be hand delivered, in the **TENDER BOX** at the FOYER at ERWAT Head Office, Bapsfontein road, Kempton Park. No e-mail or faxed bids/proposals shall be accepted. Bids/Proposals that are not received on the specific time and date will be marked as late bids/proposals and such bids/proposals will, in terms of the Supply Chain Management Policy of ERWAT, not be considered by ERWAT as valid bids/proposals.

Complete quotation with supporting documents must be sealed and externally endorsed with **CONTRACT NUMBER** and marked **DESCRIPTION** and placed in the Bid Box identified "**THURSDAY**" at ERWAT Head Office, Bapsfontein Road, Kempton Park, not later than 12H00 on **08 MARCH 2018**.

Bid closing date :	2018-03-08
Compulsory site meeting :	N/A
Contact Person :	RALPH TEME
Contact number :	063 038 3923
E-mail address :	
Bid validity period :	7 Days
Physical address where bid documents can be collected :	ERWAT Head Office, Hartebeestfontein Office Park, R25, Norkem Park.
Tender Box number :	N/A
Day when Tender is to be submitted to ERWAT Offices:	N/A
Non-refundable Document fee :	N/A ERWAT will not accept cash. All payments to be made by Credit Card only
CIBD required?	N/A
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Bids must be hand delivered to the Bid Box situated at the address: ERWAT Head Office, Hartebeestfontein Office Park, Bapsfontein Road (R25), Kempton Park.

Complete Tenders must be in a sealed envelope clearly marked with **ERW201803/001** and **SUPPLY AND DELIVER PORTABLE METERS WITH RUGGED DO PROBE TO ERWAT DD5 WWTW.** and to be hand delivered, in the TENDER BOX **N/A** at the foyer at ERWAT Head Office, Bapsfontein Road (R25), Kempton Park.

No e-mail or faxed bids/proposals shall be accepted. Bids/Proposals that are not received on the specific time and date will be marked as late bids/proposals and such bids/proposals will, in terms of the Supply Chain Management Policy of ERWAT, not be considered by ERWAT as valid bids/proposals.

Bidders' attention is specifically drawn to the provision of the bid rules which are included in the bid document.

The lowest or any bid will not necessarily be accepted and ERWAT reserves the right not to consider any bid not suitably endorsed or comprehensively completed, as well as the right to accept a bid in whole or part. Bids completed in pencil will be regarded as invalid bids.

Submission of electronic and fax bids are not acceptable.