REQUEST FOR QUOTATION OF TANGIBLE GOODS

Reference No.	DUT-69/26
Item Description	**POTENTIOSTAT**
Closing Date & Time **No Late, Hand Delivered submissions will be accepted**	29 September 2026 @11:00am
Bid submission details	ROQPG4@dut.ac.za
Procurement & General Enquiries	ernestd@dut.ac.za
Compulsory site visit / briefing session (if applicable)	N/A

1. INTRODUCTION

Durban University of Technology invites suitably qualified and compliant service providers to submit quotations for the supply / delivery (Installation) of **POTENTIOSTAT**. This procurement is undertaken in accordance with the approved DUT Procurement Policy.

2 SCOPE OF WORK

2.1 Purpose of the Scope

The purpose of this Scope of Work is to clearly define the goods required by the Durban University of Technology (DUT), the expected outputs, performance standards, and delivery requirements. The successful service provider shall be required to deliver the specified goods to the relevant DUT campus/site (in consultation with central stores unit) in accordance with the requirements outlined herein.

2.3 Scope Description

The appointed service provider/supplier shall be responsible for the full provision of the following:
The service provider shall:

1. Supply brand-new, unused goods that comply fully with the technical specifications detailed in Section 3.
2. Ensure that all goods meet applicable safety, regulatory, and compliance standards (SANS/ISO/OEM/SABS where applicable) with proof of certification.
3. Include all necessary components, accessories, and fittings required for full functionality.
4. Provide manufacturer warranties and product documentation.
5. Ensure safe packaging and transportation to prevent damage.
6. The scope includes, but is not limited to:
    - Site inspection (if required);
    - Delivery and installation;
    - Testing and commissioning
    - Training of DUT personnel
    - Removal of waste materials;
7. Where installation is required, the service provider must ensure:
    - Compliance with all statutory and safety regulations including competent personnel.
    - No disruption to academic or operational activities;
    - Proper reinstatement of work areas after completion.
8. The successful bidder shall provide the following deliverables:
    - Goods delivered in full and in working condition.

- Installation and commissioning certificate
- Warranty documentation.
- Compliance certificates
- Training manuals or user guides
- Signed delivery note and handover documentation.

NB: Failure to meet deliverables may result in non-payment or remedial action.

2.4 Timeframes

The service provider shall:

- Deliver said goods within the stipulated timeframes as indicated in their documentation.
- Notify DUT immediately of any delays.

Time shall be considered of the essence unless otherwise agreed in writing.

2.5 Location

Delivery / installation of goods shall take place at:

Region	Durban
Campus name	Steve Biko Campus
Building/Department/floor/room number	S10 Level 5, Chemistry Department
Physical address	79 Steve Biko Road, Berea, Durban, 4001

2.6 Variations

No variation to this Scope of Work shall be permitted without:

- Written approval by the relevant delegated authority;

2.7 Non-Splitting Clause

The requirement described herein constitutes a single consolidated procurement requirement. Any attempt to split the scope to avoid procurement thresholds is prohibited and constitutes non-compliance.

3. TECHNICAL SPECIFICATIONS

No.	Item Description	Specification Requirement	Bidder to indicate if they have complied with specification (DUT will require all the datasheets to confirm compliance) NB: Datasheets that are not in terms of DUTs specification 0 points will be awarded Functionality.
1.	Potentiostat Techniques	• Open Circuit Potential (OCP) measurement • Chronoamperometry (CA) • Chronocoulometry (CC) • Linear Sweep Voltammetry (LSV) • Cyclic Voltammetry (CV) • Staircase Voltammetry • Differential Pulse Voltammetry (DPV) • Square Wave Voltammetry (SWV) • Normal Pulse Voltammetry (NPV) • Hydrodynamic Voltammetry • Anodic Stripping Voltammetry (ASV) • Cathodic Stripping Voltammetry (CSV)	
	Galvanostat Techniques	• Chronopotentiometry (CP) • Galvanostatic Charge–Discharge (GCD) • Galvanostatic Cycling • Galvanodynamic Measurements	
	Electrochemical Impedance Spectroscopy (EIS)	• Electrochemical Impedance Spectroscopy (EIS) • Potentiostatic EIS • Galvanostatic EIS • Nyquist Plot Generation • Bode Plot Generation • Complex Plane Analysis • Frequency Response Analysis	

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	Corrosion Measurements	• Tafel Polarization. • Potentiodynamic Polarization. • Polarization Resistance (LPR). • Corrosion Rate Determination. • Electrochemical Noise Analysis (with suitable accessories). • Coating Evaluation and Monitoring. • Corrosion Inhibitor Performance Assessment.	
	Battery and Energy Storage Measurements	• Charge–Discharge Testing. • Battery Cycling Studies. • Capacity Determination. • Coulombic Efficiency Measurements • Internal Resistance Determination. • Supercapacitor Characterization • Fuel Cell Performance Evaluation.	
	Kinetic and Transport Studies	• Charge Transfer Resistance (Rct) . • Double Layer Capacitance (Cdl). • Diffusion Coefficient Determination. • Mass Transport Studies. • Electron Transfer Kinetics.	

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	Corrosion Cell Potentiostat/Galvanostat	• Adsorption and Desorption Studies. The module must have the **Flat type Corrosion Cell** to accommodate all types of samples. • Maximum applied potential: **±10 V**. • Compliance voltage: **±20 V** • Maximum current output: **±400 mA**. • Current ranges: **10 nA to 100 mA** (multiple selectable ranges) • Current resolution: down to **picoampere level.** • Potential resolution: **microvolt level.** • Potential accuracy: ≤ **±0.2% of reading**. • Current accuracy: ≤ **±0.2% of selected range.** • High input impedance electrometer for low-current measurements. • Floating operation for improved measurement stability and reduced grounding issues. • USB-controlled operation through dedicated electrochemical software.	

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	Electrochemical Impedance Spectroscopy Module	• Integrated iR compensation (uncompensated resistance correction). • Frequency range: 10 µHz to 32 MHz. • Simultaneous impedance magnitude and phase angle measurements. • Supports both potentiostatic and galvanostatic impedance measurements. • Automatic generation of Nyquist plots, Bode magnitude plots and Bode phase plots. • Equivalent circuit fitting and modelling capabilities. • Determination of Solution resistance (Rs), Charge transfer resistance (Rct), Double-layer capacitance (Cdl), Constant Phase Elements (CPE), Warburg diffusion parameters and Film and coating resistances.	
	Data Acquisition and Processing Software	A computer for both the server and client must be included, which must meet the electrochemical analysis software manufacturer specifications.	
	Installation and Training		

No.	Item Description	Specification Requirement	Bidder to indicate if they have complied with specification (DUT will require all the datasheets to confirm compliance) NB: Datasheets that are not in terms of DUTs specification 0 points will be awarded Functionality.
	Uninterruptible Power Supply Calibration and Maintenance Instrument Control	The supplier must provide full installation services, including setup and calibration at our research facility. Comprehensive on-site training for staff and students in operation, maintenance, and data analysis of the Potentiostat/Galvanostat with Electrochemical Impedance Spectroscopy Instrument must be included. Must be supplied with a compatible Uninterruptible Power Supply (UPS) to cover during power failures/load-shedding. The system must include an automatic calibration system to ensure high mass accuracy. Maintenance and calibration protocols should be straightforward and supported by the manufacturer. Computer workstation with the necessary hardware and software	

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	Environmental and Power Requirements	installed for instrument control and data analysis. Operating Environment: System must operate effectively under standard laboratory conditions (temperature: 20°C to 25°C, humidity: 40%-60%). Power Supply: Compatible with local power standards (specify voltage and frequency requirements as per local standards). Must have a Power-save function to adhere to current needs to reduce Carbon Footprints.	
2.	Warranty period	Minimum 1-year warranty on all components, including software updates during the warranty period.	
3.	Defects liability period (if applicable):	Not Applicable	
4.	5-year service and maintenance which will be paid each year on the anniversary of the commencement of the	Maintenance Contract: Option for an extended service and maintenance contract after the warranty period.	

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	service contract (this should include parts, material, labour) – Year 1 should be included in the equipment pricing. Bidder to advise on exclusions.	Lifetime support for maintenance with a 24-hour response time and application problems. Availability of spare parts 10 years after the instrument becomes obsolete.	
5	Free software updates for 5 years		

5. EVALUATION CRITERIA

5.1 COMPULSORY DOCUMENTS (Phase 1)

Failure to submit compulsory documentation and compliance with specification will result in disqualification and bidders **will not proceed** to Phase 2 (in case of Joint Ventures both JV partners must submit and sign ALL the below requirements in section 5.1 and 5.2.

Suppliers **must** submit:

1. Valid Tax Compliance Status PIN (TCS PIN)
2. Signed Form of Offer (# 6)
3. Signed Standard bidding documents (Refer Annexure A to D – page 12 to 17)
4. Proof of Authorised Reseller Agreement / Partnership Certificate
5. Company registration documents
6. **Compliance to technical specification: Warranty, guarantee, datasheets**- The service provider must provide supporting documentation (e.g. datasheets or OEM certificates) confirming compliance with the specifications in Section 3, above (Section 3 must

be completed) including all Warranty documentation, Compliance certificates, Training manuals or user guides

7. List of customers, with customer name, model of equipment provided, value of contract, contact details.

Bidders who do not adhere to the compliance to technical specification will be disqualified in Phase 1 and not be evaluated in terms of Price / B-BBEE.

NB: The University will only consider service providers with proven relevant experience, capacity, and technical expertise in the required goods/services. General dealers or intermediaries without demonstrable capability and direct knowledge of the transaction will not be considered.

5.2 PRICE / PREFERENCE - 80/20 System:

Bidders must submit a valid B-BBEE Certificate or non-submission will result in 0 points being awarded for B-BBEE

Criteria	**Points**
Price	80
DUT Specific Goals / B-BBEE	20

DUT specific goals for B-BBEE points

Specific Goal		**80/20**	
		Sub-points	**Total Points**
	Exempted Micro Enterprise (EME) or Qualifying Small Enterprise (QSE)	3	3
Black-owned Enterprises	100% Black owned enterprise	3	3
	Minimum 51% black-owned enterprise	2	
	Minimum 25% black-owned enterprise	1	
Black Women owned Enterprise	100% Black Women owned enterprise	5	5
	Minimum 51% black women-owned enterprise	4	
	Minimum 25% bl ack women-owned enterprise	3	
	Less than 25% of black women-owned enterprises but not less than 10%	2	
Enterprise owned by Youth	100% Black Youth owned enterprise	5	5
	Minimum 51% black Youth owned enterprise	4	
	Minimum 25% black Youth owned enterprise	3	
	Below 25% black youth owned enterprises but not less than 10%	2	
Enterprises owned by people with disabilities	Minimum of 51% owned by people with disabilities	2	2
	Minimum of 10% owned by people with disabilities	1	

Additional Specific goals	An entity which is at least 51% owned by black people living in rural or underdeveloped areas or townships	1	1
	A cooperative which is at least 51% owned by black people	1	1
			20

6. FORM OF OFFER AND ACCEPTANCE

PART A – OFFER

6.1. OFFER

The Bidder, identified in the signature block below, hereby offers to supply and deliver the goods and/or render the services described in section 2 and 3 above:

Bid No:_____

Description: _____

to the **Durban University of Technology (DUT)** in accordance with:

- The RFQ document;
- The Scope of Work and Technical Specifications;
- The General Conditions of Contract (Annexures E)

6.2. OFFERED CONTRACT PRICE

PRICE SCHEDULE (to be completed in by the bidder)

No.	Item Description	Qty	Unit Price	Amount
	Service and maintenance – year 1	Should be included in the equipment pricing.		
	Service and maintenance – year 2			
	Service and maintenance – year 3			
	Service and maintenance – year 4			
	Service and maintenance – year 5			
Total Excl. VAT				

VAT (15%)	
Total Incl. VAT	

The offered price includes all supply and delivery, packaging, insurance, duties, installation, incidental costs and Is fixed for the duration of the validity period. Remains valid for **120 days** from RFQ closing date.

6.3.1 COMPLIANCE DECLARATION

The Bidder certifies that:

- The information provided is true and correct.
- The Bidder is not listed on the National Treasury Restricted Supplier Database or has not previously been blacklisted or failed to supply DUT on a previous contract.
- The Bidder has not engaged in collusive practices.
- The Bidder accepts the General Conditions of Contract.
- No contract exists until an official DUT Purchase Order is issued.

The Bidder acknowledges that:

- This RFQ constitutes a single consolidated procurement requirement.
- Splitting of procurement to avoid threshold controls is prohibited.
- DUT reserves the right to cancel the RFQ if threshold irregularities are detected.

The Bidder confirms that DUT is authorised to verify:

I. Supplier registration status prior to award and prior to payment.

II. Banking details

III. Tax compliance status

IV. Restriction status

- The Bidder acknowledges that an inactive or non-compliant status may result in disqualification.

In accordance with the Protection of Personal Information Act (POPIA) the Bidder confirms that:

- All personal information submitted is lawfully obtained.
- Appropriate consent has been secured.
- The Bidder shall:

I. Safeguard personal data received from DUT;

II. Implement reasonable technical and organisational measures;

III. Notify DUT of any data breach.

The Bidder indemnifies DUT against loss arising from unlawful data processing attributable to the Bidder.

6.3.2 SIGNATURE OF BIDDER FOR COMPLIANCE TO SPECIFICATION, DECLARATIONS AND OFFER

Name of Bidder	
Email address	
Contact numbers:	
Company Registration Number	
VAT Number (If applicable)	
Authorised Representative Name	
Capacity	
Central Supplier Database Reg No (If Applicable)	MAAA…… CSD UNIQUE NUMBER (36 digits)
Authorised signatory	
Date	

6.4 PART B – ACCEPTANCE (To be completed by DUT only if form of offer and bid is accepted)

By signing this Form of Acceptance, DUT accepts the Bidder's Offer subject to:

- Budget confirmation;
- Verification of compliance documents;
- Issuance of an official Purchase Order.

Acceptance is conditional upon:

- No material deviation;
- Confirmation of tax compliance;
- Compliance with DUT governance frameworks.

Accepted on behalf of:

Durban University of Technology

Name: _____

Designation: _____

Signature: _____

Date: _____

RFQ No: _____

Purchase Order No (to be issued): _____

ANNEXURES- DURBAN UNIVERSITY OF TECHNOLOGY

PURPOSE OF THIS ANNEXURE PACK

This Governance Annexure forms an integral part of all DUT RFQs issued.
The purpose is to:

- Strengthen procurement integrity
- Ensure compliance with DUT policy and DHET governance framework
- Protect the institution from unauthorised commitments
- Support UIFW prevention
- Enhance transparency and ethical procurement conduct

These Annexures is mandatory and non-negotiable.

ANNEXURE A - CERTIFICATE OF INDEPENDENT BID DETERMINATION

The Bidder certifies that:

1. The quotation has been independently determined.
2. No agreement exists with any competitor regarding:
    - Price
    - Market allocation
    - Submission or non-submission of quotation
3. The Bidder has not engaged in collusive or anti-competitive conduct.
4. The Bidder complies with the Competition Act 89 of 1998.

The Bidder acknowledges that false declaration may result in:

- Disqualification
- Contract termination
- Restriction from future procurement participation

Signature: _____

Date: _____

ANNEXURE B - UIFW (UNAUTHORISED, IRREGULAR, FRUITLESS & WASTEFUL EXPENDITURE) ACKNOWLEDGEMENT

The Bidder acknowledges DUT's internal financial governance framework aimed at preventing:

- Unauthorised expenditure
- Irregular expenditure
- Fruitless and wasteful expenditure

The Bidder confirms:

1. No work shall commence without a valid DUT Purchase Order.
2. No variation shall be implemented without written approval aligned to Delegation of Authority.
3. Services rendered without authorisation may not be paid.
4. The Bidder shall not rely on verbal instructions.

DUT shall not be liable for commitments made outside approved procurement processes.

Signature:_____

Date: _____

ANNEXURE C _ PROCUREMENT ETHICS AND CONDUCT DECLARATION

The Bidder confirms that:

- Neither the entity nor its directors are listed on any restricted supplier database.
- No director has been convicted of fraud or corruption related to procurement.
- The entity complies with ethical procurement practices.
- No attempt has been made to improperly influence DUT officials.

The Bidder acknowledges that DUT reserves the right to conduct due diligence screening.

Signature: _____

Date: _____

ANNEXURE D _ DUT CONFLICT OF INTEREST DECLARATION

RFQ No: _____

1. PURPOSE

To ensure transparency and compliance with Section 217 of the Constitution and DUT's governance frameworks, all bidders must declare any relationship or conflict of interest.

2. BIDDER DETAILS

Full Name of Bidder / Company: _____

Company Registration Number: _____

VAT Registration Number: _____

CSD Number: _____

Physical Address: _____

Contact Person: _____

Telephone: _____ Email: _____

3. EMPLOYMENT BY THE DUT OR THE STATE (SOUTH AFRICAN GOVERNMENT)

Are you or any person connected with the bidder:

3.1 Employed by the State?

☐ YES ☐ NO

3.2 Employed by DUT?

☐ YES ☐ NO

If YES, provide details:

_____

_____

_____

_____

4. RELATIONSHIP WITH DUT EMPLOYEES OR COUNCIL MEMBERS

Do you or any director/shareholder/member have:

- Any family relationship with DUT employee? ☐ YES ☐ NO
- Any relationship with a person involved in evaluation of this process? ☐ YES ☐ NO

If YES, provide details:

_____

_____

_____

_____

_____

5. PRIOR BUSINESS WITH DUT

Have you or your directors conducted business with DUT in the past 12 months? ☐ YES ☐ NO

If YES, provide details:

_____

_____

_____

_____

_____

6. DIRECTORS / SHAREHOLDERS DETAILS

Full Name	ID Number	Tax Number	Employee Number (if applicable)

(Attach additional page if necessary)

7. DECLARATION

I, the undersigned, hereby declare that:

- The information furnished above is true and correct.
- I understand that failure to disclose conflicts may result in:
    - Disqualification;
    - Contract cancellation;
    - Recovery of damages;
    - Reporting to National Treasury.

Signature: _____

Name: _____

Position: _____

Date: _____