



REQUEST FOR SEALED QUOTATIONS

FOR

**THE SUPPLY, DELIVERY, INSTALLATION, MAINTENANCE SUPPORT AND TRAINING OF VARIOUS
LABORATORY EQUIPMENT AND CONSUMABLES AT THE NAMIBIA UNIVERSITY OF SCIENCE AND
TECHNOLOGY (NUST)**

Procurement Reference No: G/RFQ/NUST - 012/2024

BIDDER'S NAME:			
CONTACT DETAILS:	TEL:		
	EMAIL:		
TOTAL QUOTE AMOUNT PER LOT IN- CLUSIVE OF VAT	LOT: 1 (BIOLOGY)	N \$	
	LOT 2: (CHEMISTRY)	N \$	
	LOT 3: (PHYSICS)	N \$	
	LOT 4: (HEALTH SCI- ENCES)	N \$	

Namibia University of Science and Technology
13 Jackson Kaujeua Street, Private Bag 13388, Windhoek, NAMIBIA
Telephone: +264 61 207 2020; Fax: +264 61 207 2966; Email address: bidbox@nust.na



**NAMIBIA UNIVERSITY
OF SCIENCE AND TECHNOLOGY**

Office of the Bursar

13 Jackson Kaujeua Street
Private Bag 13388
Windhoek
NAMIBIA

T: +264 61 207 2066
F: +264 61 207 9066
E: bursar@nust.na
W: www.nust.na

REQUEST FOR QUOTATION

Letter of Invitation

Dear Prospective Supplier

Subject: **Request for Sealed Quotations for the supply, delivery, installation, maintenance support, and training of various laboratory equipment and consumables for the Namibia University of Science and Technology (NUST)**

The Namibia University of Science and Technology (NUST) invites you to submit your best quote for the items described in detail hereunder.

Any resulting contract shall be subject to the terms and conditions referred to in the document.

Any request for clarification should be forwarded in writing to Ms Rosemary Tjombonde-Kakuuai; Tel: +264 61 207 2020 Fax: +264 207 2966, email address: bidbox@nust.na.

Please prepare and submit your quotation in accordance with the instructions given or inform the undersigned if you will not be submitting a quotation.

Yours faithfully,

Rosemary Tjombonde-Kakuuai

Secretary to the Procurement Committee

SECTION I: INSTRUCTIONS TO BIDDERS

1. Rights of Public Entity

NUST reserves the right:

- (a) To split the contract as per the lowest evaluated cost per item, or
- (b) To accept or reject any quotation; and
- (c) To cancel the quotation process and reject all quotations at any time prior to contract award.

2. Preparation of Quotations

You are requested to quote for the items mentioned in Section III by completing, signing and returning:

- (a) The Quotation Letter in Section II with its annexe for Bid Securing Declaration;
- (b) The List of Goods and Price Schedule Section III;
- (c) The Specifications and Compliance Sheet in Section V; and
- (d) Any other attachment deemed appropriate.

Before preparing your quotation, you are advised to carefully read the Request for Sealed Quotations document, including the Special Conditions of Contract in Section VII. The standard forms in this document may be retyped for completion, but the Bidder is responsible for their accurate reproduction.

Bidders should provide a quotation on the company letterhead with its terms and conditions.

Bidders should indicate on their quotations the complete set of items and specifications offered, cost of delivery, installation, maintenance, warranty, and training for the four (4) LOTS listed in the bid document. The lots are broken into small equipment, big equipment and consumables. Bidders are to quote for all items.

If a bidder does not quote for all items in a lot, they will be disqualified.

Only one lot will be awarded per bidder. However, in cases where there are insufficient compliant Bidders remaining with respect to any given lot, the University may award more than one lot to the lowest evaluated and substantially responsive bidder (i.e. award 'Multiple Contracts' to the same Bidder). This means that Multiple Contracts shall only be awarded to the same Bidder on condition that the Financial Capacity of the recommended Bidder is not exceeded and that the quoted price is not substantially above the estimate for the lot.

3. Validity of Quotations

The Quotation validity period shall be **180** days from the submission deadline date.

4. Eligibility Criteria

To be eligible to participate in this RFQ exercise, the company should attach the following **mandatory** documents:

- a) A certified copy of the Company registration, clearly indicating shareholders' and principals' contact details as registered with Business Intellectual Property Authority (BIPA) – **Attach certified copies of all shareholders Identification documents.** (Certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963).
- b) A valid certified copy of an original Good Standing Tax Certificate (**valid at the deadline of submission of bid**) (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963),
- c) A valid original or valid certified copy (**valid at the deadline of submission of bid**) of Good Standing Social Security Certificate; (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963).
- d) A valid certified copy of Affirmative Action Compliance Certificate, or proof from Employment Equity Commissioner that Bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998, (**valid at the deadline of submission of bid**) or in the event that the Affirmative Action Compliance Certificate is over 12 months from the date of issue, a confirmation letter from the Employment Equity Commission indicating that the employer had submitted the report for the period following from the date when the certificate was issued (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963).
- e) A written undertaking as contemplated in Section 138(2) of Labour Act, 2007. (**Only the original official government written undertaking will be accepted for this RFQ**)
- f) Submit signed Bid-securing Declaration.
- g) The Bidder must attach at least three (3) reference letters from various companies where similar goods were provided in the last three (3) years (**2021-2023**). The letter must be on a company letterhead indicating contact person, dates of goods delivery, telephone number and email address. (**Attach three reference letters clearly indicating the dates when your company supplied similar goods and the value of the contracts.**)
- h) Submit a Manufacturer's Authorisation Letter
- i) Provide three (3) year warranty of equipment and maintenance support plan.
- j) Provide an official quotation on company letterhead, indicating quoted specifications, terms and conditions as well as their estimated delivery times for each item.
- k) Local suppliers should have an after-sales agreement with the main international supplier. Proof of a draft after-sales agreement with the international supplier must be provided.

5. Bid Securing Declaration

Bidders are required to submit a Bid Securing Declaration for this procurement process.

6. Delivery

Delivery shall be no more than **30 days** after acceptance / issue of Purchase Order. Deviation in the delivery period shall be considered if such deviation is reasonable.

7. Sealing and Marking of Quotations

Quotations should be sealed in a single envelope, clearly marked with the Procurement Reference Number, addressed to the Public Entity with the Bidder's name and contact information at the back of the envelope.

8. Submission of Quotations

Quotations should be deposited in the Quotation/Bid Box located at:

Namibia University of Science and Technology

13 Jackson Kaujeua Street

Bid Box

1ST Floor, Administration Building

Windhoek

Friday, 06 September 2024

12h00 (local time)

Quotations by post or hand should reach Namibia University of Science and Technology by the same date and time at the latest.

Late quotations will be rejected.

9. Opening of Quotations

Quotations will be opened internally by the **NUST** immediately after the closing time referred to in instruction eight (8) above. A record of the Quotation Opening stating the name of the bidders, the amount quoted, and the presence or absence of a Bid Securing Declaration will be posted on the NUST website www.nust.na and available to any bidder on request within three working days of the Opening.

10. Evaluation of Quotations

NUST shall have the right to request clarifications in writing during evaluation. Offers that are substantially responsive shall be compared on the basis of price or ownership cost, subject to Margin of Preference where applicable, to determine the lowest evaluated quotation.

11. Technical Compliance

Bidders shall submit along with their quotations documents, catalogues and any other literature to substantiate compliance with the required specifications and to qualify deviations if any, with respect to **NUST** requirements.

The Specifications, Performance Requirements, and Compliance Sheet details the minimum specifications of the goods/items to be supplied. The specifications have to be met, but no credit will be given for exceeding the specifications.

12. Prices and Currency of Payment

Prices shall be fixed in Namibian Dollars.

13. Margin of Preference

None

14. Award of Contract

The Bidder, having submitted the lowest evaluated responsive quotation and qualified to supply the goods/items and related services, shall be selected for award of the contract. Award of contract shall be by the issue of a Purchase Order/Letter of Acceptance in accordance with terms and conditions contained in Section VI: Contract Agreement and General Conditions of Contract.

15. Notification of Award and Debriefing

NUST shall, after award of the contract, promptly inform all unsuccessful bidders in writing of the name and address of the successful Bidder and the contract amount and post a notice of award on its website within seven (7) days. Furthermore, **NUST** shall attend to all requests for debriefing made in writing within seven (7) days of the unsuccessful bidders being informed of the award.

SECTION II: QUOTATION LETTER*(to be completed by Bidders)*

*[Complete this form with all the requested details and submit it as the first page of your quotation with the Price list and documents requested above. A signature and authorisation on this form will confirm that the terms and conditions of the RFQ prevail over any attachments. **If your quotation is not authorised, it will be rejected.**]*

Quotation addressed to:	NUST Procurement Management Unit 13 Jackson Kaujeua Street Windhoek West
Procurement Reference Number:	G/RFQ/NUST - 012/2024
The subject matter of Procurement:	Request for Sealed Quotations for the supply, delivery, installation, maintenance support, and training of various laboratory equipment and consumables at the Namibia University of Science and Technology (NUST).

We offer to supply the items listed in the attached List of Goods and Price Schedule as per the defined specifications, *except for the qualified deviations [Bidder may delete this phrase in case of no deviation]* and, in accordance with the terms and conditions stated in your Request for Quotations referenced above.

We confirm that we are eligible to participate in this Quotation exercise and meet the eligibility criteria specified in Section 1: Instruction to Bidders.

We abide by ethical conduct during the procurement process and the execution of any resulting contract.

The validity period of the Quotation is _____ days *[insert number of days]* from the date of the bid submission deadline.

We confirm that the prices quoted in the List of Goods and Price Schedule are fixed and firm and will not be subject to revision or variation if we are awarded the contract **prior to the expiry** date of the quotation validity.

The delivery period offered from the date of issue of Purchaser Order/ Letter of Acceptance is as shown in the List of Goods items and Price Schedule.

Quotation Authorised by:

Name of Bidder		Company's Address and seal	
Contact Person			
Name of Person Authorising the Quotation:	Position:	Signature:	
Date:		Phone No./Fax	

Appendix to Quotation Letter

**BID SECURING DECLARATION
(Section 45 of Act)
(Regulation 37(1) (b) and 37(5))**

Date: _____/_____/_____

Procurement Ref No.: G/RFQ/NUST – 012/2024

To:
Namibia University of Science and Technology
13 Jackson Kaujeua Street
Windhoek West

I/We* understand that in terms of section 45 of the Act a public entity must include in the bidding document the requirement for a declaration as an alternative form of bid security.

I/We* accept that under section 45 of the Act, I/we* may be suspended or disqualified in the event of

- (a) **a modification or withdrawal of a bid after the deadline for submission of bids during the period of validity;**
- (b) **refusal by a bidder to accept a correction of an error appearing on the face of a bid;**
- (c) **failure to sign a procurement contract in accordance with the terms and conditions set forth in the bidding document, should I/We* be successful Bidder; or**
- (d) **failure to provide security for the performance of the procurement contract if required to do so by the bidding document.**

I/We* understand this bid securing declaration ceases to be valid if I am/we are* not the successful Bidder

Signed: _____
[Insert signature of person whose name and capacity are shown]

Capacity of: _____
[Indicate legal capacity of person(s) signing the Bid Securing Declaration]

Name: _____
[Insert complete name of person signing the Bid Securing Declaration]

Duly authorized to sign the bid for and on behalf of: [insert complete name of Bidder]

Dated on _____ day of _____, _____
[Insert date of signing]

Corporate Seal (where appropriate)

[Note*: In the case of a joint venture, the bid securing declaration must be in the name of all partners to the joint venture that submits the bid.]

****delete if not applicable/appropriate***

Appendix to Quotation Letter

Manufacturer's Authorisation

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer. The Bidder shall include it in its bid.]

Date: on this _____ day of _____, 202__

Procurement Ref No.: _____

Alternative Ref No.: _____

To: **Namibia University of Science and Technology**
13 Jackson Kaujeua Street, Windhoek West
Private Bag 13388
Windhoek

WHEREAS

We _____ *[insert complete name of Manufacturer]*, who are official manufacturers of _____ *[insert type of goods manufactured]*, having factories at _____ *[insert full address of Manufacturer's factories]*, do hereby authorize _____ *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us _____ *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 28 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: _____ *[insert signature(s) of authorized representative(s) of the Manufacturer]*

Name: _____ *[insert complete name(s) of authorized representative(s) of the Manufacturer]*

Title: _____ *[insert title]*

Dated on _____ day of _____, 202__

SECTION III: LIST OF GOODS AND PRICE SCHEDULE

QUOTATION FOR: Namibia University of Science and Technology **Procurement Ref No.** G/RFQ/NUST – 012/2024

INSTRUCTIONS TO THE PUBLIC ENTITY				INSTRUCTIONS TO BIDDERS					
At the time of preparation of the RFQ, Columns A to D shall be filled in by the Public Entity. [To be filled by the Public Entity]				<u>Bidders shall fill-in columns E - I and fill the total</u> E= mark with a *if an equivalent is quoted F= Rate per unit G=Total price for one item (C x F) • If an equivalent is quoted, please attach to your quote appropriate technical information & specification • Bidders shall fill in and sign the bottom section of this page					
A	B	C	D	E	F	G	H	I	J
Item no.	Description of Goods (Include shape, colour, material, dimensions etc.)	Quantity required	Unit of measure	*	Price per unit NAD ¹	Total price VAT excl NAD	VAT: NAD	Delivery weeks) (days/month)	Country of Origin
1	ANNEXURE 1 LOT 1-BIOLOGY: CONSUMABLES AND LABORATORY EQUIPMENT	Per attachment	Per attachment						
2	ANNEXURE 2 LOT 2- CHEMISTRY: CONSUMABLES AND LABORATORY EQUIPMENT	Per attachment	Per attachment						
3	ANNEXURE 3 LOT 3-PHYSICS: LABORATORY EQUIPMENT	Per attachment	Per attachment						
4	ANNEXURE 4 LOT 4: HEALTH SCIENCES: LABORATORY EQUIPMENT	Per attachment	Per attachment						

1. If the Price quoted is subject to change in the rate of exchange at the time of delivery of goods, provide details:

Currency: Exchange Rate:

If no base exchange rate is given, the price shall be treated as firm in Namibian Dollars for all intent and purpose.

Keynotes: **NA**=NOT APPLICABLE, **NQ**=NO QUOTE

Section VII. Special Conditions of Contract12

SECTION IV: SPECIFICATIONS AND PERFORMANCE REQUIREMENTS

Description of Goods (Include shape, color, material, dimensions etc.)	Quantity required
ANNEXURE 1 LOT 1-BIOLOGY: CONSUMABLES AND LABORATORY EQUIPMENT	Per attachment
ANNEXURE 2 LOT 2- CHEMISTRY: CONSUMABLES AND LABORATORY EQUIPMENT	Per attachment
ANNEXURE 3 LOT 3-PHYSICS: LABORATORY EQUIPMENT	Per attachment
ANNEXURE 4 LOT 4- HEALTH SCIENCES: LABORATORY EQUIPMENT	Per attachment

SECTION V: SPECIFICATIONS AND COMPLIANCE SHEET

[Bidders should complete columns C and D with the specification of the goods offered. Also, state "comply" or "not comply" and give details of any non-compliance/deviation to the specification required. Attach detailed technical literature if required. Authorise the specification offered in the signature block below.]

Qty.	Technical Specification Required	Compliance of Specification Offered	Details of Non-Compliance/ Deviation (if applicable)
A*	B*	C	D
	SEE PAGE 22- SPECIFICATIONS & PERFORMANCE REQUIREMENTS		

** Columns A and B to be completed by Public Entity*

Specifications and Compliance Sheet Authorised By:

Name:		Signature:	
Position:		Date:	

Section VII Special Conditions of Contract 13

Authorised for and on behalf of:	Company	
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SECTION VI: GENERAL CONDITIONS OF CONTRACT AND CONTRACT AGREEMENT

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Goods **Ref. G/RFQ/NUST – 012/2024** on the website of the Public Entity www.nust.na except where modified by the Special Conditions below.

SECTION VI: CONTRACT AGREEMENT

Any resulting contract shall be placed by means of a Purchase Order/Letter of Acceptance and shall be subject to the General Conditions of Contract (GCC) for the Procurement of Goods except where modified by the Special Conditions below.

SECTION VIII: SPECIAL CONDITIONS OF CONTRACT

Procurement Reference Number: **G/RFQ/NUST – 012/2024**

The clause numbers given in the first column correspond to the relevant clause number of the GCC.

Subject and GCC clause reference	Special Conditions
Purchaser GCC 1.1(h)	The purchaser is: Namibia University of Science and Technology 13 Jackson Kaujeua Street Windhoek West
Site GCC 1.1(m)	The Site / final destination for delivery of the Goods is: Namibia University of Science and Technology 13 Jackson Kaujeua Windhoek West
Incoterms Edition GCC 4.2(b)	Incoterms shall be governed by the rules prescribed in Incoterms 2010 .
Notices GCC 8.1	Any notice shall be sent to the following addresses: Manager: Procurement Namibia University of Science and Technology Private Bag 13388 Windhoek bidbox@nust.na For the Supplier, the address and contact name shall be: _____ _____ _____ _____
Disputes GCC 10.2	The rules of procedures for arbitration proceedings pursuant to GCC 10.2 shall be as follows: _____
Delivery and Documents GCC 13.1	The Goods are to be delivered within 30 days from the date of the Purchase Order or Letter of Acceptance. The documents to be furnished by the Supplier are: (a) Signed delivery note;
Price Adjustment GCC 15.1	The price charge for the Goods supplied and the related Services performed shall not be adjustable.

Section VII Special Conditions of Contract 16

Subject and GCC clause reference	Special Conditions
Terms of Payment GCC 16.1	The structure of payments shall be: full payment following delivery of the Supplies and submission of an invoice and the documents listed in clause 13.1
Terms of Payment GCC 16.3	Payments shall be made no later than thirty days after submitting an invoice and its certification by the Purchaser.
Terms of Payment GCC 16.4 (a)	The price shall not be adjustable to the fluctuation in the exchange rate.
Payment Period GCC 16.5	<p>The method and conditions of payments to be made to the Supplier under this Contract shall be as follows:</p> <p>i) On Acceptance: The Contract Price of goods received shall be paid no later than thirty (30) days of receipt of the Goods upon submission of an invoice (showing Purchaser's name; the Procurement Reference number, description of payment and total amount, signed in original, stamped or sealed with the company stamp/seal) supported by the Acceptance Certificate issued by the Purchaser.</p>
Performance Security GCC 18.1	(i) No performance security is required
Discharge of Performance Security GCC 18.4	No performance security is required
Packing GCC 23.2	The packing, marking and documentation within and outside the packages shall be: _____
Insurance GCC 24.1	<i>[where goods are ordered from overseas Suppliers, insert percentage and type of insurance required for transportation]</i>
Transportation GCC 25	The Goods shall be delivered: DDP
Inspection and Test GCC 26.1	The inspection and tests shall be upon suppliers' delivery of goods before signing the delivery note.
Location of Inspection and Tests GCC 26.2	<p>The inspections and tests shall be conducted at:</p> <p>Namibia University of Science and Technology 13 Jackson Kaujeua Street Windhoek West</p>
Liquidated Damages GCC 27.1	Liquidated damages for the whole contract are 4% contract price per day. The maximum amount of liquidated damages for the whole contract is 4% of the final contract price.

Section VII Special Conditions of Contract 17

Subject and GCC clause reference	Special Conditions
Warranty GCC 28.3	The period of validity of the warranty shall be: 3 years
Repair and Replacement GCC 28.5	The period for repair or replacement shall be: 2 years

Attachment: Price Adjustment Formula

If in accordance with GCC 15.1, prices shall be adjustable, the following method shall be used to calculate the price adjustment:

- 15.2 Prices payable to the Supplier, as stated in the Contract, shall be subject to adjustment during performance of the Contract to reflect changes in the cost of labor and material components in accordance with the formula:

$$P_1 = P_0 \left[a + \frac{bL_1}{L_0} + \frac{cM_1}{M_0} \right] - P_0$$

$$a+b+c = 1$$

in which:

- P_1 = adjustment amount payable to the Supplier.
- P_0 = Contract Price (base price).
- a = fixed element representing profits and overheads included in the Contract Price and generally in the range of five (5) to fifteen (15) percent.
- b = estimated percentage of labor component in the Contract Price.
- c = estimated percentage of material component in the Contract Price.
- L_0, L_1 = labor indices applicable to the appropriate industry in the country of origin on the base date and date for adjustment, respectively.
- M_0, M_1 = material indices for the major raw material on the base date and date for adjustment, respectively, in the country of origin.

The coefficients a , b , and c as specified by the Purchaser, are as follows:

- $a = [insert\ value\ of\ coefficient]$
- $b = [insert\ value\ of\ coefficient]$
- $c = [insert\ value\ of\ coefficient]$

The Bidder shall indicate the source of the indices and the base date indices in its bid.

Base date = thirty (30) days prior to the deadline for submission of the bids.

Section VII Special Conditions of Contract 18

Date of adjustment = *[insert number of weeks]* weeks prior to the date of shipment (representing the mid-point of the period of manufacture).

The above price adjustment formula shall be invoked by either party subject to the following further conditions:

- (a) No price adjustment shall be allowed beyond the original delivery dates unless expressly stated in the extension letter. As a rule, no price adjustment shall be allowed for periods of delay for which the Supplier is entirely responsible. The Purchaser will, however, be entitled to any decrease in the prices of the Goods and Services subject to adjustment.
- (b) If the currency in which the Contract Price P_0 is expressed differs from the currency of origin of the labor and material indices, a correction factor will be applied to avoid incorrect adjustments of the Contract Price. The correction factor shall correspond to the ratio of exchange rates between the two currencies on the base date and the date for adjustment as defined above.
- (c) No price adjustment shall be payable on the portion of the Contract Price paid to the Supplier as advance payment.

COST STRUCTURE FOR VALUE ADDED CALCULATION PER PRODUCT

COST STRUCTURE FOR VALUE ADDED CALCULATION PER PRODUCT		
	N\$	N\$
Raw Materials, Accessories & Components		
• Imported (CIF)	
• Local (VAT & Excise Duty Fee)
Labour Cost		
• Direct Labour
• Clerical Wages
• Salaries to Management
Utilities		
• Electricity	
• Water	
• Telephone
Depreciation	
Interest on Loans	
Rent
Other (please specify)		
•	
•	
•
TOTAL COST		

$$\text{Local Value Added} = \frac{\text{Total Cost} - \text{Cost of imported inputs}}{\text{Total Cost}} \times 100$$

NB! The cost structure should be certified by a Certified Accountant

SCHEDULE 3

QUOTATION CHECKLIST SCHEDULE

Procurement Reference No.: G/RFQ/NUST – 012/2024

Description	Attached	Not Attached
Quotation Letter		
List of Goods and Price Schedule		
Specification and Compliance Sheet		
Bid Securing Declaration		
Evidence for Conformity of Goods		
A certified copy of the Company registration, clearly indicating shareholders' and principals' contact details as registered with Business Intellectual Property Authority (BIPA) - Attach certified copies of all shareholders Identification documents. (Certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963).		
A copy of an original Good Standing Tax Certificate (valid at the deadline of submission of bid) (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963)		
A valid original or valid certified copy (valid at the deadline of submission of bid) of Good Standing Social Security Certificate; (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No. 16 of 1963).		
A valid certified copy of Affirmative Action Compliance Certificate, or proof from Employment Equity Commissioner that Bidder is not a relevant employer, or exemption issued in terms of Section 42 of the Affirmative Action Act, 1998, (valid at the deadline of submission of bid) or in the event that the Affirmative Action Compliance Certificate is over 12 months from the date of issue, a confirmation letter from the Employment Equity Commission indicating that the employer had submitted the report for the period following from the date when the certificate was issued (certified by a Commissioner of Oath appointed in terms of the Justices of the Peace and Commissioners of Oaths Act.1963 (Act No.		

16 of 1963)		
A written undertaking as contemplated in Section 138(2) of Labour Act, 2007. (Only the original official government written undertaking will be accepted for this RFQ).		
The Bidder must attach at least three (3) reference letters from various companies where similar goods were provided in the last three (3) years. The letter must be on a company letterhead indicating contact person, dates of delivery, telephone number and email address. (Attach three reference letters).		
Provide a Manufacturer's Authorisation Letter		
Provide three (3) year warranty of equipment and maintenance support plan.		
Provide an official quotation on company letterhead, indicating quoted specifications, terms and conditions as well as their estimated delivery times for each item.		
Local suppliers should have an after-sales agreement with the main international supplier. Proof of a draft after-sales agreement with the international supplier must be provided		

Disclaimer: *The list defined above is meant to assist the Bidder in submitting the relevant documents. It shall not be grounds for the Bidder to justify its non-submission of major documents for its quotation to be responsive. The onus remains on the Bidder to ascertain that it has submitted all the documents that have been requested and are needed for its submission to be complete and responsive.*



Republic Of Namibia

Ministry of Labour, Industrial Relations and Employment Creation

Written undertaking in terms of section 138 of the Labour Act, 2015 and section 50(2)(D) of the Public Procurement Act, 2015

1. EMPLOYERS DETAILS

Company Trade Name: _____

Registration Number: _____

Vat Number: _____

Industry/Sector: _____

Place of Business: _____

Physical Address: _____

Tell No.: _____

Fax No.: _____

Email Address: _____

Postal Address: _____

Full name of Owner/Accounting Officer: _____

Email Address: _____

2. PROCUREMENT DETAILS

Procurement Reference No.: _____

Procurement Description: _____

Anticipated Contract Duration: _____

Location where work will be done, good/services will be delivered:

3. UNDERTAKING

I _____ *[insert full name]*, owner/representative

of _____ *[insert full name of company]*

hereby undertake in writing that my company will at all relevant times comply fully with the relevant provisions of the Labour Act and the Terms and Conditions of Collective Agreements as applicable.

I am fully aware that failure to abide to such shall lead to the action as stipulated in section 138 of the labour Act, 2007, which include but not limited to the cancellation of the contract/licence/grant/permit or concession.

Signature: _____

Date: _____

Seal: _____

Please take note:

1. *A labour inspector may conduct unannounced inspections to assess the level of compliance*
2. *This undertaking must be displayed at the workplace where it will be readily accessible and visible by the employees rendering service(s) in relations to the goods and services being procured under this contract.*

ANNEXURE 1

LOT 1 BIOLOGY

Item Description	Quantity	Specifications	Unit price (Excl VAT)	Training cost	Installation cost	Maintenance cost	VAT	Total Price	Manufacturer Certification
Balances	2	Dune® Compact Balances 2000GX1G		N/A	N/A	N/A			N/a
Analytical balance	3	BALANCE ANALYTICAL 220G CAPACITY W/ 0.1MG READABILITY PLUS SERIES		N/A	N/A	N/A			N/a
Spin (mini centrifuge)	3	Microcentrifuge - Non Refrigerated XSI/40005012 MULTISPIN 12, Mini Microcentrifuge, speed max 12.000 rpm RCF max 7.900 xg, timer 1...99 min, digital display for speed		N/A	N/A	N/A			N/a
Gel -electrophoresis system	2	WIDE MINI-SUB CELL GT WITH POWERPAC BASIC		N/A	N/A	N/A			N/a
Microscope camera	2	DIGITAL CAMERA BHC4-1080P8MPB + HD1080P133A LCD DISPLAYER			N/A	N/A			N/a
Ph meter	6	METER PH BENCHTOP PH50 VIOLAB W/O ELECTRODE W/STAND + TEMP PROBE + ACCESSORIES		N/A	N/A	N/A			N/a
Ph meter Electrode	6	ELECTRODE PH POLYMER W/O TEMP SENSOR S7 CONN		N/A	N/A	N/A			N/a
Vortex	4	Vortex Mixer Gemmy VM300		N/A	N/A	N/A			N/a
Heating block	2	DRY BLOCK HEATER 4 BLOCKS		N/A	N/A	N/A			N/a
Single block 1.5ml	3	SINGLE BLOCK FOR EPPENDORF 1.5ML TUBES 20 HOLE DB 1.2		N/A	N/A	N/A			N/a
Single block 2ml	3	SINGLE BLOCK FOR 2ML TUBES 20 HOLES DB 1.4		N/A	N/A	N/A			N/a
Multi metre analyzer	1	MULTIMETER PORTABLE PC70 VIO W/ 201T ELECTRODE + 2301T COND CELL + ACCESSORIES		N/A	N/A	N/A			N/a
Centrifuge	1	Cent 5420 G, Keypad, FA-24x2, 230V,INT		N/A	N/A	N/A			N/a
Magnifier 3X	1	MAGNIFIER, 3X		N/A	N/A	N/A			N/a
Magnifier 1.7X	1	MAGNIFIER, 1.7X		N/A	N/A	N/A			N/a
Spatula	40	SPATULA CHATTAWAY 200MM		N/A	N/A	N/A			N/a
Scissors	10	SCISSORS SH/SH 220MM		N/A	N/A	N/A			N/a
Dissecting kits	20	KIT DISSECTING		N/A	N/A	N/A			N/a
Industrial blender	1	BLENDER 1.5L		N/A	N/A	N/A			N/a
Stopwatch	10	STOP WATCH - SANJI SPORT		N/A	N/A	N/A			N/a
Bunsen burners	10	BUNSEN BURNER LP GAS 13MM		N/A	N/A	N/A			N/a
Tripod stand	15	Stand Tripod circular		N/A	N/A	N/A			N/a
Wire gauze	15	WIRE GAUZE PLAIN 150X150MM		N/A	N/A	N/A			N/a
Micropipette 0.5 - 10µl	5	Eppendorf Research plus Basic, single-channel, variable, 0.5 - 10 uL, medium gray		N/A	N/A	N/A			N/a
Micropipette 10 – 100 µl	5	Eppendorf Research plus Basic, single-channel, variable, 10 - 100 uL, yellow		N/A	N/A	N/A			N/a
Micropipette 20 – 200 µl	5	Eppendorf Research plus Basic, single-channel, variable, 20 - 200 uL, yellow		N/A	N/A	N/A			N/a
Micropipette 1000 µl	5	Eppendorf Research plus Basic, single-channel, variable, 100 - 1000 uL, blue		N/A	N/A	N/A			N/a
Firelighters	10	firelighter		N/A	N/A	N/A			N/a
Broom	1	Broom		N/A	N/A	N/A			N/a
Mop	1	Mop sweeper refill 600mm blue thick		N/A	N/A	N/A			N/a
Big cleaning cloth	10	Big cleaning cloth		N/A	N/A	N/A			N/a
Small cleaning cloth	10	Small cleaning cloth		N/A	N/A	N/A			N/a
Skuur draad/ easy clean potscourer	36	Skuur draad/ easy clean potscourer		N/A	N/A	N/A			N/a
Big Bins 100L (heavy for waste, black)	3	Big Bins 100 L		N/A	N/A	N/A			N/a
Sub Total Small equipment									

SMALL EQUIPMENT

ANNEXURE 1

LOT 1 BIOLOGY

	Item Description	Quantity	Specifications	Unit price (Excl VAT)	Training cost	Installation cost	Maintenance cost	VAT	Total Price	Manufacturer Certification
BIG EQUIPMENT	Compound Light Microscopes	40	CX23 microscope, frame with integrated LED illumination, quadruple, nosepiece							Required
	Trolley with top and bottom shelves	2	TROLLEY LAB 2 shelves 920x520x900		N/A	N/A	N/A			N/a
	Vertical Autoclave 72L	2	Vertical sterilizer, 50 liters, manual drying							Required
	Fume hood	1	1x Fumehood and 1x CFX Opus in Windhoek, Namibia		N/A					Required
	- 80°C freezer	1	ULTRA-LOW TEMPERATURE UPRIGHT FREEZER -86 TO -40, 100L UNDERBENCH, HIGH ENERGY SAVING		N/A	N/A				Required
	Membrane filtration unit	1	6 PLACE MANIFOLD. 47 MM. STAINLESS STEEL Millipore							Required
	Glass holder	6	GLASS FILTER HLDR 47MM 300ML FUNNEL assembly with funnel, fritted base, stopper, clamp, 47mm							Required
	Vacuum pump	1	CHEMICAL DUTY VACUUM PRESSURE PUMP.							Required
	Tubing	1	SILICONE TUBING FOR EZ STREAM PUMP							Required
	Glass bead sterilizer	2	Sterilizer Glass bead							Required
	Incubators 80L	2	INCUBATOR 80L							Required
	Shaking Incubator 80L	1	80L 10Kg Orbital shaker with platform (4 bars)		N/A	N/A	N/A			Required
	Large Capacity Centrifuge	1	Centrifuge, rotor S-4-72 and 15/50 mL		N/A	N/A	N/A			Required
	PCR Thermocycler	1	PCR Thermocycler, 230V/50- 60Hz							Required
	Real time PCR	1	CFX OPUS 96 REAL-TIME PCR DETECTION SYSTEM							Required
	Real time PCR software	1	CFX MAESTRO SOFTWARE 2.3							Required
	Real time PCR wifi adaptor	1	WIFI ADAPTER USB EU							Required
	Real time PCR online tower	1	UPS MECER 3000VA ON-LINE TOWER							Required
	Real time PCR computer	1	Computer							Required
	Colony counter	1	COLONY COUNTER							Required
	Ice maker	2	ICE-MAKER CUBE ICE SCOTSMAN 38KG PER 24H							Required
	Deep freezer	1	DEEP FREEZER CHEST TYPE, -40 TO -20, 380L		N/A	N/A	N/A			Required
	2-Door sliding fridge	1	SCI-COOL Refrig MED890R 700L Sliding door		N/A	N/A	N/A			Required
	Inverted Microscope	2	INVERTED MICROSCOPE BS-2091							Required
	Inverted Camera	2	CAMERA DIGITAL LCD HDMI 11.6 INCH 6MP							Required
	Stereo microscope	2	STEREO MICROSCOPE TRINOC MAGNIFICATION 8X TO 2 EA 19,265.59 38,531.18 50x eyepiece							Required
	Stereo microscope camera	2	DIGITAL CAMERA BHC4-1080P8MPB +							Required
	Tape-Worm model	1	SOMSO		N/A	N/A	N/A			Required
	Earth-Worm model	1	SOMSO		N/A	N/A	N/A			Required
	Starfish model	1	SOMSO		N/A	N/A	N/A			Required
Vineyard Snail model	1	SOMSO		N/A	N/A	N/A			Required	
Fresh Water Polyp model	1	SOMSO		N/A	N/A	N/A			Required	
Sub-total Big equipment										
BIG EQUIPMENT	Black bags (Trash bags) 100ppk	2	50mL, 750 x 950mm, 50 Microns (100/Pack)		N/A	N/A	N/A			N/a
	Red bags (Trash bags) 100ppk	2	90mL, 750 x 950mm, 90 Microns (100/Pack)		N/A	N/A	N/A			N/a
	Microscope glass slides	20	1ST FROSTED GROUND EDGE INTERLEAFED 1-1.2MM		N/A	N/A	N/A			Required
	Cover slips (22x22mm)	30	Menzel , 22x22mm, 200/box		N/A	N/A	N/A			Required
	50 mL beaker	30	Grad L/F w/s - heat resist		N/A	N/A	N/A			Required
	100 mL beaker	40	Grad L/F w/s - heat resist		N/A	N/A	N/A			Required
	150 mL beaker	40	Grad L/F w/s - heat resist		N/A	N/A	N/A			Required
	250 mL beaker	40	Grad L/F w/s - heat resist		N/A	N/A	N/A			Required
	500 mL measuring cylinder	5	Grad L/F w/s - heat resist		N/A	N/A	N/A			Required
	100 mL measuring cylinder	20	Grad w/s		N/A	N/A	N/A			Required
	50 mL measuring cylinder	20	Grad w/s		N/A	N/A	N/A			Required
	25 mL measuring cylinder	20	Grad w/s		N/A	N/A	N/A			Required
	10 mL measuring cylinder	20	Grad w/s		N/A	N/A	N/A			Required

ANNEXURE 1

LOT 1 BIOLOGY

	Item Description	Quantity	Specifications	Unit price (Excl VAT)	Training cost	Installation cost	Maintenance cost	VAT	Total Price	Manufacturer Certification
CONSUMABLES	Filter papers 90mm	10	100/B		N/A	N/A	N/A			Required
	Filter papers 120mm	3	100/B		N/A	N/A	N/A			Required
	Parafilm	3	100MMX38MT RL		N/A	N/A	N/A			Required
	Bench protector sheets (601PE)	1	210 PE 480x600mm 50/PPK		N/A	N/A	N/A			Required
	Pasteur dropper pipettes 250ppk	5	3ml 250/PPK		N/A	N/A	N/A			Required
	Test tubes 15ml	50	T/TUBE NEUT 16 x 150 n/RIM		N/A	N/A	N/A			Required
	Test tube racks	20	16 mm 55 PLACE		N/A	N/A	N/A			Required
	500 mL Scotch bottles	20	BLUE S/C 500 ml		N/A	N/A	N/A			Required
	250 mL Scotch bottles	20	BLUE S/C 250 ml		N/A	N/A	N/A			Required
	100 mL Scotch bottles	20	BLUE S/C 100 ml		N/A	N/A	N/A			Required
	50 mL Scotch bottles	20	BLUE S/C 50 ml		N/A	N/A	N/A			Required
	1000 mL Scotch bottles	5	BLUE S/C 1000 ml		N/A	N/A	N/A			Required
	2000 mL Scotch bottles	5	BLUE S/C 2000 ml		N/A	N/A	N/A			Required
	Weighing boat	10	White Diamond 85x65mm (30ml) pkt/250		N/A	N/A	N/A			Required
	Nitrile gloves small	20	NITRILE Blue		N/A	N/A	N/A			Required
	Nitrile gloves medium	30	NITRILE Blue		N/A	N/A	N/A			Required
	Nitrile gloves large	15	NITRILE Blue		N/A	N/A	N/A			Required
	Paper towel	10	200MM WIDE		N/A	N/A	N/A			N/a
	25 L water bottles	2	Deionised water with container 25L		N/A	N/A	N/A			Required
	Spray bottles	10	500 ml With TRIGGER		N/A	N/A	N/A			N/a
	Petri dish plates box	5	90 MM 500/BOX		N/A	N/A	N/A			Required
	Gram staining kit with decolorization	10	COMPLETE SET WITH DECOLORISER 500ML		N/A	N/A	N/A			Required
	2.5 L Ethanol 95%	1	Ethanol (absolute)		N/A	N/A	N/A			Required
	500 g Nutrient agar media	2	Sigma-Aldrich		N/A	N/A	N/A			Required
	500g Glucose	4	Anhydrous CP 500g		N/A	N/A	N/A			Required
	500g Starch	10	Sigma-Aldrich		N/A	N/A	N/A			Required
	5L Corn oil	2	Sigma-Aldrich		N/A	N/A	N/A			Required
	1kg Albumen	2	Sigma-Aldrich		N/A	N/A	N/A			Required
	500g Copper sulphate	10	Sigma-Aldrich		N/A	N/A	N/A			Required
	Master Mix	5	Thermo Scientific		N/A	N/A	N/A			Required
	Oligonucleotides	78	NEB		N/A	N/A	N/A			Required
	1.5 mL microcentrifuge tubes bags	5	Conical/B snap on cap 500/Box		N/A	N/A	N/A			Required
	100bp DNA ladder	5	NEB		N/A	N/A	N/A			Required
	1kb DNA ladder	5	NEB		N/A	N/A	N/A			Required
	Ethidium bromide	5	Thermo Scientific		N/A	N/A	N/A			Required
	Agarose 500g	6	Sigma-Aldrich		N/A	N/A	N/A			Required
	Stirring rod	20	8 x 300 mm		N/A	N/A	N/A			Required
	Sterile Swabs (250 in box)	15	Swab Plain sterile in tube (Throat Swab) 250/Box		N/A	N/A	N/A			Required
	Saline water	10	Phosphate Buffered Saline (1000 ml)		N/A	N/A	N/A			Required
	PCR tubes 0.2mL	10	Biologix 0.2ml Microc, PCR Tube DNase/RNase free 1000/pk		N/A	N/A	N/A			Required
	Pipet tips 1000µl	10	Labocare Tips Universal blue 200-1000ul bag/500		N/A	N/A	N/A			Required
	Pipet Tips 200µl	10	LabocareTips Universal yellow 20-200ul bag/1000		N/A	N/A	N/A			Required
	Pipet Tips 100µl	10	Labocare Filter Tip 100 ut racked 10 x 96		N/A	N/A	N/A			Required
	Pipet tips 10µl	10	Pipet tips 10µl (10 bags)		N/A	N/A	N/A			Required
	Eppendorf tubes 0.5 ml bags	10	Labocare micro tube 0.5ml conical bottom snap on cap 1000/BOX		N/A	N/A	N/A			Required
Eppendorf tubes 1.5ml bags	10	Labocare Centrifuge tube 1.5ml Conical/B snap on cap 500/BOX		N/A	N/A	N/A			Required	
Eppendorf tubes 2ml bags	10	Labocare Eppendorf type tube 2ml conical bottom snap on cap		N/A	N/A	N/A			Required	

ANNEXURE 1

LOT 1 BIOLOGY

Item Description	Quantity	Specifications	Unit price (Excl VAT)	Training cost	Installation cost	Maintenance cost	VAT	Total Price	Manufacturer Certification
Centrifuge tubes 50mL	5	Labocare Centrifuge tube plastic conical 50ml 50/BOX		N/A	N/A	N/A			Required
Centrifuge tubes 15mL	15	Labocare Centrifuge tube pt. conical 15ml 1000/BOX		N/A	N/A	N/A			Required
TBE buffer 1L	10	Thermo Scientific		N/A	N/A	N/A			Required
DNA loading dye	5	NEB		N/A	N/A	N/A			Required
SYBR green	2	Invitrogen™SYBR™ Green I Nucleic Acid Gel Stain - 10,000X concentrate in DMSO		N/A	N/A	N/A			Required
Plant kits 50 preps	6	Zymo Research		N/A	N/A	N/A			Required
Autoclave tape	2	25MM 121Deg STEAM		N/A	N/A	N/A			Required
Fortress blood grouping reagent anti-A 10ml	4	Fortress Blood grouping reagent anti-A 10ml		N/A	N/A	N/A			Required
Fortress blood grouping reagent anti-B 10ml	4	Fortress Blood grouping reagent Anti-B 10ml		N/A	N/A	N/A			Required
Fortress blood grouping reagent anti-D 10ml	4	Fortress Blood grouping reagent Anti-D 10ml		N/A	N/A	N/A			Required
25 L Hand soap	1	Hand soap		N/A	N/A	N/A			N/a
25 L Dishwash soap	1	Dishwash soap		N/A	N/A	N/A			N/a
Handy Andy 25L	1	Handy Andy		N/A	N/A	N/A			N/a
Bleach 25L	1	Bleach 25L		N/A	N/A	N/A			N/a
Micropipette 0.5 - 10µl	5	Eppendorf Research plus Basic,		N/A	N/A	N/A			Required
Micropipette 10 – 100 µl	5	Eppendorf Research plus Basic,		N/A	N/A	N/A			Required
Micropipette 20 – 200 µl	5	Eppendorf Research plus Basic,		N/A	N/A	N/A			Required
Micropipette 1000 µl	5	Eppendorf Research plus Basic,		N/A	N/A	N/A			Required
Sub-total consumables									
SUBTOTAL FOR ALL ITEMS (SMALL EQUIPMENT+BIG EQUIPMENT + CONSUMABLES)									
TOTAL TRAINING COST									
TOTAL INSTALLATION COST									
TOTAL MAINTENANCE COST									
VAT (15%)									
ALL INCLUSIVE TOTAL COST FOR LOT 1									

***Disclaimer:** The bidder must bid for all items listed in the lot for their bid to be considered responsive.

***Training cost:** Bidder is to include training cost where the column is left blank. Not applicable means training is not required.

Installation cost: Bidder is to include installation cost where the column is left blank. Not applicable means installation is not required.

Maintenance cost: Bidder is to include installation cost where the column is left blank. Not applicable means maintenance cost is not required.

**ANNEXURE 2
LOT 2 CHEMISTRY**

	Item Description	Quantity	Specifications	Unit price (Excl VAT)	Training cost	Installation cost	Maintenance cost	VAT	Total price	Manufacturer Certification
SMALL EQUIPMENT	Iceflaker	1	Production Capacity: 120kg/24hrs, with 30kg Storage, Self Contained		N/A	N/A	N/A			Required
	Combi Cabinet with Interior	1	1197 x 617 x 1969 mm (WxDxH), with 9 m ³ /h minimum exhaust air quantity 10 times & 5 Pa differential pressure (10 times air change)		N/A	N/A	N/A			Required
	Ultrapure Water Purifier	1	Flow speed 1.5-2L/min with 20 L capacity, desalination rate of 95-99%, ρ = 8.25MΩ.cm@25°C, TOC<10 ppb		N/A	N/A	N/A			Required
	Acid and Alkali Storage cabinet	1	597 x 603 x 1965 mm (WxDxH), with 5 m ³ /h minimum exhaust air quantity 10 times & 40 Pa differential pressure (10 times air change)		N/A	N/A	N/A			Required
	Sub-total for Small equipment									
BIG EQUIPMENT	Beaker Grad LF 50 ml	20	Graduated spout Low Form, borosilicate		N/A	N/A	N/A			Required
	Thermometer -10/360C	30	Thermometer pencil ASTM, range: -10 +360, resolution 1°C, accuracy ±3°C, length 300 mm		N/A	N/A	N/A			Required
	Thermometer -10/260C	20	Thermometer pencil ASTM, range: -10 +260, resolution 1°C, accuracy ±3°C, length 300 mm		N/A	N/A	N/A			Required
	Beaker Grad LF 250 ml	40	Graduated spout Low Form, borosilicate		N/A	N/A	N/A			Required
	Magnetic Stirrer Hotplate	30	Temperature setting range 0-600 °C, speed range 50-2000 rpm, 1 stirring position, knob controlled		N/A	N/A	N/A			Required
	Stopwatch (timer)	50	1/100 sec resolution, with lap time display		N/A	N/A	N/A			Required
	Beaker Grad LF 150 ml	40	Graduated spout Low Form, borosilicate		N/A	N/A	N/A			Required
	Beaker Grad LF 100 ml	40	Graduated spout Low Form, borosilicate		N/A	N/A	N/A			Required
	Rod Stirring	30	Solid glass rod, diameter 6 mm, 250 cm long		N/A	N/A	N/A			Required
	Measuring Cylinder 500 ml	10	Spout, High Form, white graduation, class B Borosilicate glass		N/A	N/A	N/A			Required
	Measuring Cylinder 100 ml	40	Spout, High Form, white graduation, class B Borosilicate glass		N/A	N/A	N/A			Required
	Measuring Cylinder 50 ml	40	Spout, High Form, white graduation, class B Borosilicate glass		N/A	N/A	N/A			Required
	Measuring Cylinder 25 ml	40	Spout, High Form, white graduation, class B Borosilicate glass		N/A	N/A	N/A			Required
	Measuring Cylinder 10 ml	40	Spout, High Form, white graduation, class B Borosilicate glass		N/A	N/A	N/A			Required
	Burette 50 ml	50	0.1 ml divisions, tolerance of ±0.1 ml, borosilicate glass		N/A	N/A	N/A			Required
	Burette (Retort) stand	50	Metal, Base 150x230 Rod 750		N/A	N/A	N/A			Required
	Burette Clamp Double	50	Supports 10-100ml, with vinyl headed thumbscrew		N/A	N/A	N/A			Required
	Spatula Spoon type 200 mm	20	Stainless steel		N/A	N/A	N/A			N/a
	Spatula Spoon type 180 mm	20	Stainless steel		N/A	N/A	N/A			N/a
	Spatula Chattaway 152 mm	10	Stainless steel		N/A	N/A	N/A			N/a
	Test tube	50	Neutral Light Wall with Rim, 150mm		N/A	N/A	N/A			Required
	Test tube rack (holder)	20	Wooden peg 26mm		N/A	N/A	N/A			Required
	Trolley with trays/shelves)	1	Trolley with 2 shelves 920x520x900		N/A	N/A	N/A			N/a
	Volumetric Pipette 25 ml	20	Class A borosilicate, 0.3 ml tolerance		N/A	N/A	N/A			Required
	Volumetric Pipette 20 ml	20	Class A borosilicate, 0.3 ml tolerance		N/A	N/A	N/A			Required
	Volumetric Pipette 10 ml	20	Class A borosilicate, 0.3 ml tolerance		N/A	N/A	N/A			Required
	Pipette Grad A 5 ml	20	0.1 ml divisions, tolerance of ±0.020 ml, borosilicate glass		N/A	N/A	N/A			Required
	Pipette Grad A 10 ml	20	0.1 ml divisions, tolerance of ±0.020 ml, borosilicate glass		N/A	N/A	N/A			Required
	Pipette Grad A 1 ml	20	0.1 ml divisions, tolerance of ±0.020 ml, borosilicate glass		N/A	N/A	N/A			Required
	Pipette Filler Bulb	20	Three valve, approx 60ml		N/A	N/A	N/A			Required
Pipette Filler Pump-type	20	Manual pipette pump, 'Pump-Type'		N/A	N/A	N/A			Required	
Schott (Media) Bottle S/Cap 500 ml	30	Borosilicate glass 3.3, temp resistance -70 °C to +500°C		N/A	N/A	N/A			Required	
Schott (Media) Bottle S/Cap 250 ml	30	Borosilicate glass 3.3, temp resistance -70 °C to +500°C		N/A	N/A	N/A			Required	

**ANNEXURE 2
LOT 2 CHEMISTRY**

	Item Description	Quantity	Specifications	Unit price (Excl VAT)	Training cost	Installation cost	Maintenance cost	VAT	Total price	Manufacturer Certification	
	Schott (Media) Bottle S/Cap 100 ml	30	Borosilicate glass 3.3, temp resistance -70 °C to +500°C		N/A	N/A	N/A			Required	
	Schott (Media) Bottle S/Cap 50 ml	30	Borosilicate glass 3.3, temp resistance -70 °C to +500°C		N/A	N/A	N/A			Required	
	Schott (Media) Bottle S/Cap 1000 ml	10	Borosilicate glass 3.3, temp resistance -70 °C to +500°C		N/A	N/A	N/A			Required	
	Porcelain crucible MF 100 mL	20	Medium form to DIN 12904, Glazed with lid		N/A	N/A	N/A			Required	
	Porcelain crucible MF 50 mL	20	Medium form to DIN 12904, Glazed with lid		N/A	N/A	N/A			Required	
	Burkle Bottle Holder	4	Polypropylene, Adjustable up to 88 mm, Maz 750 ml		N/A	N/A	N/A			Required	
	Aluminium/(stainless steel) tray	10	Aluminium/Stainless steel (28x18)		N/A	N/A	N/A			Required	
	Funnel S/Stem 50-70 mm	20	Resistance to strong acids, non graduated		N/A	N/A	N/A			Required	
	Funnel S/Stem 100-150 mm	5	Resistance to strong acids, non graduated		N/A	N/A	N/A			Required	
	Wash bottles PE 500 ml	100	Low Density Polyethylene		N/A	N/A	N/A			Required	
	Erlenmeyer flask Grad 250 ml	50	Type 1, clear borosilicate		N/A	N/A	N/A			Required	
	Erlenmeyer flask Grad 100 ml	50	Type 1, clear borosilicate		N/A	N/A	N/A			Required	
	Weighing boat 100 mL 125's	4	Antistatic, high-impact polystyrene		N/A	N/A	N/A			Required	
	Volumetric Flask 1000 ml	20	Flask type A with Plastic Stopper		N/A	N/A	N/A			Required	
	Volumetric Flask 500 ml	20	Flask type A with Plastic Stopper		N/A	N/A	N/A			Required	
	Volumetric Flask 250 ml	40	Flask type A with Plastic Stopper		N/A	N/A	N/A			Required	
	Volumetric Flask 100 ml	40	Flask type A with Plastic Stopper		N/A	N/A	N/A			Required	
	Volumetric Flask 50 ml	40	Flask type A with Plastic Stopper		N/A	N/A	N/A			Required	
	Volumetric Flask 25 ml	40	Flask type A with Plastic Stopper		N/A	N/A	N/A			Required	
	Tongs 300 mm	50	Aluminium/Stainless steel		N/A	N/A	N/A			Required	
	Aspirator Bottle 10 L	10	Polypropylene, autoclavable		N/A	N/A	N/A			Required	
	Aspirator Bottle 5 L	10	Polypropylene, autoclavable		N/A	N/A	N/A			Required	
	Aspirator Bottle 25 L	10	Polypropylene, autoclavable		N/A	N/A	N/A			Required	
	Spray Bottle	50	Low Density Polyethylene		N/A	N/A	N/A			N/a	
	Top Balance	10	Cap.: 2000 g Div.: 0.1 g							Required	
	Analytical Balance	1	Max.: 220 g Min.: 10 mg mg d= 0.1 mg							Required	
	Sub-Total Big Equipment										
CONSUMABLES	Benchkote 100's	4	Acid resistant		N/A	N/A	N/A			Required	
	Pipette Pasteur grad 3 ml 100's	2	Autoclavable		N/A	N/A	N/A			Required	
	Paper Litmus Red	30	100 strips		N/A	N/A	N/A			Required	
	Paper Litmus Blue	30	100 strips		N/A	N/A	N/A			Required	
	pH universal indicator strips	10	0-14, 100's		N/A	N/A	N/A			Required	
	Syringe Filter	1	NY 0.45 µm 500's		N/A	N/A	N/A			Required	
	Disposable syringe 20mL, 50's	2	Polypropylene, autoclavable		N/A	N/A	N/A			Required	
	Gloves Medium	50	Examination Gloves Nitrile Powder Free, 100's		N/A	N/A	N/A			Required	
	Gloves Large	50	Examination Gloves Nitrile Powder Free, 100's		N/A	N/A	N/A			Required	
	Gloves Small	10	Examination Gloves Nitrile Powder Free, 100's		N/A	N/A	N/A			Required	
	Gloves X-Large	20	Examination Gloves Nitrile Powder Free, 100's		N/A	N/A	N/A			Required	
	Hand Soap 5 L	5	Industry standard		N/A	N/A	N/A			Required	
	Dishwash soap 5 L	5	Industry standard		N/A	N/A	N/A			Required	
	Paper Towel Roll	50	Dimensions: 210mm x 15000 mm		N/A	N/A	N/A			Required	
	Red Refuse Bags 100's	2	Heavy duty, 750x950x90mic		N/A	N/A	N/A			N/a	
	Parafilm Roll	2	100mm, 75m		N/A	N/A	N/A			Required	
	Sodium Hydroxide Pellets 500 g	4	AR		N/A	N/A	N/A			Required	
	Hydrochloric Acid 2.5 L	2	37%		N/A	N/A	N/A			Required	
Hydrochloric Acid 2.5 L	2	32%		N/A	N/A	N/A			Required		
Sodium Chloride 500 g	4	Fine, AR		N/A	N/A	N/A			Required		
Sodium Carbonate Anhydrous 500 g	4	AR		N/A	N/A	N/A			Required		
Methyl Red 25 g	4	AR		N/A	N/A	N/A			Required		
Methyl Orange 25 g	4	AR		N/A	N/A	N/A			Required		

**ANNEXURE 2
LOT 2 CHEMISTRY**

	Item Description	Quantity	Specifications	Unit price (Excl VAT)	Training cost	Installation cost	Maintenance cost	VAT	Total price	Manufacturer Certification
	Absolute Ethanol 2.5 L	2	99.9% AR		N/A	N/A	N/A			Required
	Storage solution for pH and ORP electrodes	2			N/A	N/A	N/A			Required
	Ammonium Hydrogen Phosphate 500 g	2	AR		N/A	N/A	N/A			Required
	Ammonium Sulphate 500 g	2	AR		N/A	N/A	N/A			Required
	Quick Cal Solution 500 ml	2			N/A	N/A	N/A			Required
	Sub-total for Consumables									
	SUBTOTAL FOR ALL ITEMS (SMALL EQUIPMENT+BIG EQUIPMENT + CONSUMABLES)									
	TOTAL TRAINING COST									
	TOTAL INSTALLATION COST									
	TOTAL MAINTENANCE COST									
	VAT (15%)									
	ALL INCLUSIVE TOTAL COST FOR LOT 2									

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Installation cost: Bidder is to include installation cost where the column is left blank. Not applicable means installation is not required.

Maintenance cost: Bidder is to include installation cost where the column is left blank. Not applicable means maintenance cost is not required.

ANNEXURE 3

LOT 3 PHYSICS

SMALL EQUIPMENT	Item Description	Quantity	Preferred Brand	Unit price (Excl VAT)	VAT	Total price	Manufacturer Certification
	Magnetic stirrer with heating plate	2	LEYBOLD				Required
	Magnetic stirrer with hot plate	10	LEYBOLD				Required
	Science Lab Physics Basic PB (Set)	10	LEYBOLD				Required
	Science Lab MACHENICS ME1 (Set)	10	LEYBOLD				Required
	Science Lab MACHENICS ME2 (Set)	10	LEYBOLD				Required
	Electronic balance MAULtronic S	10	LEYBOLD				Required
	LIT-print: LP1.1 Measuring methods, Properties of matter & Liquids	1	LEYBOLD				Required
	LIT-print: LP1.2 Forces, simple machines and oscillations	1	LEYBOLD				Required
	Science Lab MACHENICS ME3 (Set)	10	LEYBOLD				Required
	Precision metal rail, 100 cm	10	LEYBOLD				Required
	LIT-print: LP1.3 Linear motion, free fall and collision experiments	1	LEYBOLD				Required
	Science Lab Mechanics ME4 (Set)	10	LEYBOLD				Required
	Microphone M	10	LEYBOLD				Required
	LIT-print: LP1.4 Acoustics	1	LEYBOLD				Required
	Science Lab Energy EG1 (Set)	5	LEYBOLD				Required
	AC/DC power supply 0...12 V/3 A	10	LEYBOLD				Required
	LIT-print: LP2.1 Heat	1	LEYBOLD				Required
	Science Lab Energy EG2 (Set)	10	LEYBOLD				Required
	Multimeter LDanalog 20	10	LEYBOLD				Required
	LIT-print: LP2.2 Renewable energies	1	LEYBOLD				Required
	Science Lab Energy EG3 (Set)	10	LEYBOLD				Required
	LIT-print: LP2.3 Fuel cells	1	LEYBOLD				Required
	Science Lab Optics OP1 (Set)	10	LEYBOLD				Required
Disc with angular scale	10	LEYBOLD				Required	
Lux Sensor M	10	LEYBOLD				Required	
LIT-digital: LP5 Science Lab Optics	1	LEYBOLD				Required	
Science Lab Optics OP2 (Set)	10	LEYBOLD				Required	
LIT-digital: LP5 Science Lab Optics	1	LEYBOLD				Required	
Science Lab Optics OP3 (Set)	10	LEYBOLD				Required	
Diaphragm and slide holder on rod	10	LEYBOLD				Required	
Fresnel's mirror	10	LEYBOLD				Required	
Apparatus for Newton's rings	10	LEYBOLD				Required	
Fresnel Biplism	10	LEYBOLD				Required	
LIT-digital: LP5 Science Lab Optics	1	LEYBOLD				Required	
Science Lab Optics OP4 (Set)	10	LEYBOLD				Required	
LIT-digital: LP5 Science Lab Optics	1	LEYBOLD				Required	
Mobile-CASSY 2 WiFi	5	LEYBOLD				Required	
Magnetic field sensor M, ±100 mT	3	LEYBOLD				Required	
Cartridgeburner DIN type (Item 666714 includes a 400 ml cartridge propane/butane mix)	100	LEYBOLD				Required	
SUB- TOTAL FOR SMALL EQUIPMENT							
VAT (15%)							
ALL INCLUSIVE TOTAL COST FOR LOT 3							

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**ANNEXURE 4
LOT 4 HEALTH SCIENCES**

Item Description	Preferred Brand	Specifications	Quantity	Unit price (Excl VAT)	Training cost	Installation cost	Maintenance cost	VAT	Total cost	Manufacturer Certification
Microscopes	Olympus/Zeiss	Light microscope Model CX 23	40							Required
		Head: Binocular 30° inclined and rotatable 360°								
		Eyeieces: 10x 20mm FOV								
		Nosepiece: Reversed, quadruple								
		Objectives: Plan Achromat 4x, 10x, 40x, 100x Oil								
		Condenser: 1.25 N.A.								
		Stage: Rackless mechanical stage								
		Focusing:								
		Coaxial coarse/fine focus system with limit stopper and torque adjustment								
		upper limit stop to prevent accidental damage to slides; all metal gears,								
illumination: LED illumination variable with cord holder										
Warranty:5 Year Mechanical & 1 Year Electrical										
Fridges(Double sliding doors)	Staycold	External Height: 2020mm	2		N/A	N/A	N/A			Required
		Width: 1140mm								
		Depth: 635mm								
		Internal Height: 1380mm								
		Width: 1050mm								
		Depth: 515mm								
		Capacity								
		980x 330ml cans								
		490 x 500ml PET								
		640 x 330ml beer bottles								
8 shelves										
OR Single door	Staycold		4		N/A	N/A	N/A		Required	
Bar Fridge	Samsung/Defy	Net capacity :92L	1		N/A	N/A	N/A			Required
		A+ energy efficiency class, Energy saving								
		Low noise design								
		Removable tempered glass shelves								
		Reversible door design								
		Freezer compartment inside								
		Sealed crisper								
		Dimension (W*D*H mm) :475*446*842								
		Containerload (40'HQ):359								
Real Time PCR system			1						Required	
Semi-automated Pipettes(20ul)	Gilson Pipetman	Real Time PCR system-qPCR	50		N/A	N/A	N/A			Required
		Adjustable Volume								
		Pipette Type Manual Air Displacement								
		Volume Range:2-20 µL								
		Pipette Model P1000								
		Pipette Range PIPETMAN								
		Number of Channels 1								
		Ejector Type: Metal								
		Pack Size: 1								
		Pack Size Unit Each								
Warranty: 3 Years										
Semi-automated Pipettes(200ul)	Gilson Pipetman	Adjustable Volume	50		N/A	N/A	N/A			Required
		Pipette Type Manual Air Displacement								
		Volume Range :20-200 µL								
		Pipette Model P1000								
		Pipette Range PIPETMAN								
		Number of Channels 1								
		Ejector Type: Metal								
		Pack Size:1								
		Pack Size Unit Each								
		Warranty: 3 Years								
Semi-automated Pipettes(1000ul)	Gilson Pipetman	Adjustable Volume								Required
		Pipette Type Manual Air Displacement								
		Volume Range 100-1000 µL								
		Pipette Model P1000								
		Pipette Range PIPETMAN								
		Number of Channels 1								

**ANNEXURE 4
LOT 4 HEALTH SCIENCES**

Item Description	Preferred Brand	Specifications	Quantity	Unit price (Excl VAT)	Training cost	Installation cost	Maintenance cost	VAT	Total cost	Manufacturer Certification
	Gilson Pipetman	Ejector Type Metal	50		N/A	N/A	N/A			Required
		Pack Size 1								
		Pack Size Unit Each								
		Warranty 3 Years								
Spectrophotometers	PRIM -Secoman	Spectrum range: 330-900 nm	10		N/A	N/A	N/A			Required
		Bandwidth: 10 nm								
		Precision: ± 1.5%								
		Reproducibility: ± 1 nm								
		Photometric range: -0.3								
		110% / 0 -200% T								
		Precision: ± 2%								
		Accuracy: <0.03 A / h @ 500 nm								
		Interference light: 0.5% T @ 340 & 400 nm								
		Display: Alphanumeric, backlit LCD,								
		2 rows height 8mm 16 characters								
		Zero: Automatic								
		Light source: Halogen								
		Detector: Silicon diode								
Interface: RS232C Series										
Tank support: 1 cuvette 10 mm										
Power supply: 115/230 V										
50/60Hz										
Dimensions (H x W x D): 180 x 280 x 220mm										
Mass: 2.5 kg										
Differential Blood Cell Counters	New York Microscope Company	Digital, 12 cell count keys	40		N/A	N/A	N/A			Required
		Automated media Dispensing system LMD-A10	LABTRON LMD- A10: 65cm	1		N/A	N/A	N/A		
Dimension: 600x610x380mm										
Height with carousel: 65cm										
Height of carousel: 23cm										
Filling range 1 to 99ml										
Petri dish type: 90mm (standard), 100mm, 60mm/accept custom-made										
Dispense speed: 500 dishes/hour (volume: 20ml)										
Training Microscope	Olympus/Zeiss	10 head	2		N/A	N/A	N/A			Required
Centrifuges	Hettich	Max. Capacity 4 x 100 ml / 6 x 94 ml	1		N/A	N/A	N/A			Required
		Max. RPM/RCF 6,000/4,226								
		Temp. Control Ambient								
		Dims. (HxWxD) mm 257 x 366 x 430								
		Dims. (HxWxD) in 10 x 14 x 17								
		Weight (kg) 23								
		Weight (lbs) 51								
		Power Supply 120 V								
		Warranty 5-years								
		Rotor Type(s) Swing-out, Fixed-angle, Cytology								
		5-7ml Test tube								
SUBTOTAL FOR ALL ITEMS										
TOTAL TRAINING COST										
TOTAL INSTALLATION COST										
TOTAL MAINTENANCE COST										
VAT (15%)										
ALL INCLUSIVE TOTAL COST FOR LOT 4										

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