



**Provincial Department of Health Services
Central Province
Kandy**

**Procurement of Goods
(National Shopping Procedures)
NPA/SBD/GOODS/01**

**Invitation of Bids for
Supply, Installation, Commissioning, testing & training
Equipment for PCR Laboratory**

Contract No: CPC/PDHS/F7/2-1/2021

**BIDDING DOCUMENT
Volume 2 of 2 (Section II, III, IV, V & VII)**

Issued to

.....
.....
.....

Receipt No.....

**Rs. 5000/- (Non-refundable fee)
seen.**

.....
Signature of issuing officer

Date

VOLUME 2

- Section II - Bidding Data Sheet (BDS)
- Section III - Evaluation & Qualification Criteria
- Section IV - Bidding Forms
- Section V - Schedule of Requirements
- Section VII - Contract Data
- Invitation of Bid



INVITATION FOR BIDS (IFB)
Provincial Department of Health Services, Central Province
Supply, Installation, Commissioning, testing & training
Equipment for PCR Laboratory

Total Estimate : 20,000,000.00

Funding Source : GOSL

1. The Chairman, Department Procurement Committee, Provincial Department of Health Services invites sealed bids for purchasing of **Supply, Installation, Commissioning, testing & training Equipment for PCR Laboratory** to District Base Hospital Teldeniya from eligible and qualified bidders possessing a minimum laid down experience. Complete details are included in the bidding documents.

No.	Description of the item	No. of Items
1	Real time PCR machine	1
2	Automated Nucleic Acid Extractor	1
3	Refrigerated Centrifuge	1
4	Molecular grade micropipettes (Multichannel - optional)	
	0.5µl - 10µl	03
	2µl - 20µl	03
	200µl - 1000µl	03
	2µl - 200µl	02
5	-20 deg ⁰ C Freezer	01
6	PCR Hood	2
7	Mini Centrifuge	2

Bidders should provide bid securities along with the bid

1. Bidding will be conducted through the National Shopping (NS) Procedures
2. Interested eligible bidders may obtain further information from the Provincial Director of Health Services Office - Central Province, No. 163 Sangaraja Mawatha, Kandy (Telephone: **081 2222856 or 0812222341**) and inspect the bidding documents free of charge from 09.00 am to 3.00 pm on working days until 28th January 2021
3. A complete set of Bidding Documents in English language may be purchased by interested bidders from the Accounts Division upon submission of a letter on or before 10.00 a.m, 29th January 2021 and upon payment of a non refundable fee of Rs.5000/= (The payment method will be cash).
4. Bids must be delivered to the Provincial Director of Health Services Office, No. 163, Sangaraja Mawatha, Kandy on or before 2.00 p.m. on 29th January 2021.
5. The bids shall be deposited in the "Tender Box" available in the accounts unit or sent under registered post to be received before the deadline given in the above clause no. 5. Please indicate "**Supply, Installation, Commissioning, testing & training Equipment for PCR Laboratory, Contract No: CPC/PDHS/F7/2-1/2021**" on top left hand corner of the envelop. Late bids will be.
6. Pre Bid meeting will be held on Monday 25th January, 10.00 a.m. at Conference Hall of Ministry of Health.
7. Bids will be opened in the presence of the bidders or authorized representatives who choose to attend in person at the address given above immediately after closing of bids.

Chairman, Department Procurement Committee
PDHS Office – Central Province
No. 163, Sangaraja Mawatha, Kandy

Section I. Instructions to Vendors (ITV)

A: General	
1. Scope of Bid	1.1 The Purchaser named in the Data Sheet invites you to submit a quotation for the supply of Goods as specified in Section III Schedule of Requirements. Upon receipt of this invitation you are requested to acknowledge the receipt of this invitation and your intention to submit a quotation. The Purchaser may not consider you for inviting quotations in the future, if you failed to acknowledge the receipt of this invitation or not submitting a quotation after expressing the intention as above.
B: Contents of Documents	
2. Contents of Documents	2.1 The documents consist of the Sections indicated below. <ul style="list-style-type: none">• Section I. Instructions to Vendors (ITV)• Section II. Data Sheet• Section III. Schedule of Requirements• Section IV. Technical Specifications & Compliance with Specifications• Section V. Quotation submission Form(s)
C: Preparation of Quotation	
3. Documents Comprising your Quotation	3.1 The Quotation shall comprise the following: <ul style="list-style-type: none">(a) Quotation Submission Form and the Price Schedules;(b) Technical Specifications & Compliance with Specifications
4. Quotation Submission Form and Price Schedules	4.1 The vendor shall submit the Quotaion Submission Form using the form furnished in Section V. This form must be completed without any alterations to its format, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested. 4.2 Alternative offers shall not be considered. The vendors are advised not to quote different options for the same item but furnish the most competitive among the options available to the bidder.

5. Prices and Discounts	<p>5.1 Unless specifically stated in Data Sheet, all items must be priced separately in the Price Schedules.</p> <p>5.2 The price to be quoted in the Quotation Submission Form shall be the total price of the Quotation, including any discounts offered.</p>
	<p>5.3 The applicable VAT shall be indicated separately.</p> <p>5.4 Prices quoted by the vendor shall be fixed during the vendor's performance of the Contract and not subject to variation on any account. A Quotation submitted with an adjustable price shall be treated as non responsive and may be rejected.</p>
6. Currency	6.1 The vendors shall quote only in Sri Lanka Rupees.
7. Documents to Establish the Conformity of the Goods	<p>7.1 The vendor shall furnish as part of its quotation the documentary evidence that the Goods conform to the technical specifications and standards specified in Section IV, "Technical Specifications & Compliance with Specifications".</p> <p>7.2 The documentary evidence may be in the form of literature, drawings or data, and shall consist of a detailed item by item description of the essential technical and performance characteristics of the Goods, demonstrating substantial responsiveness of the Goods to the technical specifications, and if applicable, a statement of deviations and exceptions to the provisions of the Technical Specifications given.</p> <p>7.3 If stated in the Data Sheet the vendor shall submit a certificate from the manufacturer to demonstrate that it has been duly authorized by the manufacturer or producer of the Goods to supply these Goods in Sri Lanka.</p>
8. Period of Validity of quotation	8.1 Quotations shall remain valid for the period of sixty (60) days after the quotation submission deadline date.
9. Format and Signing of Quotation	9.1 The quotation shall be typed or written in indelible ink and shall be signed by a person duly authorized to sign on behalf of the vendor.
D: Submission and Opening of Quotation	
10. Submission of Quotation	<p>10.1 Vendors may submit their quotations by mail or by hand in sealed envelopes addressed to the Purchaser bear the specific identification of the contract number.</p> <p>10.2 If the quotation is not sealed and marked as required, the Purchaser will assume no responsibility for the misplacement or premature opening of the quotation.</p>

11. Deadline for Submission of Quotation	11.1 Quotation must be received by the Purchaser at the address set out in Section II, "Data Sheet", and no later than the date and time as specified in the Data Sheet.
12. Late	12.1 The Purchaser shall reject any quotation that arrives after the

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Quotation	deadline for submission of quotations, in accordance with ITV Clause 11.1 above.
13. Opening of Quotations	13.1 The Purchaser shall conduct the opening of quotation in public at the address, date and time specified in the Data Sheet. 13.2 A representative of the bidders may be present and mark its attendance.
E: Evaluation and Comparison of Quotation	
14. Clarifications	14.1 To assist in the examination, evaluation and comparison of the quotations, the Purchaser may, at its discretion, ask any vendor for a clarification of its quotation. Any clarification submitted by a vendor in respect to its quotation which is not in response to a request by the Purchaser shall not be considered. 14.2 The Purchaser's request for clarification and the response shall be in writing.
15. Responsiveness of Quotations	15.1 The Purchaser will determine the responsiveness of the quotation to the documents based on the contents of the quotation received. 15.2 If a quotation is evaluated as not substantially responsive to the documents issued, it may be rejected by the Purchaser.
16. Evaluation of quotation	16.1 The Purchaser shall evaluate each quotation that has been determined, to be substantially responsive. 16.2 To evaluate a quotation, the Purchaser may consider the following: (a) the Price as quoted; (b) price adjustment for correction of arithmetical errors; (a) price adjustment due to discounts offered. 16.3 The Purchaser's evaluation of a quotation may require the consideration of other factors, in addition to the Price quoted if stated in Section II, Data Sheet. These factors may be related to the characteristics, performance, and terms and conditions of purchase of the Goods.

17. Purchaser's Right to Accept any Quotation, and to Reject any or all Quotations	17.1 The Purchaser reserves the right to accept or reject any quotation, and to annul the process and reject all quotations at any time prior to acceptance, without thereby incurring any liability to bidders.
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F: Award of Contract	
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18. Acceptance of the Quotation	18.1 The Purchaser will accept the quotation of the vendor whose offer has been determined to be the lowest evaluated bid and is substantially responsive to the documents issued.
19. Notification of acceptance	19.1 Prior to the expiration of the period of validity of quotation, the Purchaser will notify the successful vendor, in writing, that its quotation has been accepted.

Section II. Bidding Data Sheet (BDS)

The following specific data for the goods to be procured shall complement, supplement, or amend the provisions in the Instructions to Vendors (ITV). Whenever there is a conflict, the provisions herein shall prevail over those in ITV.

ITV Clause Reference	A. General
1.1	The Purchaser is : Provincial Director of Health Services, Department of Health Services, Central Province
	The name of the Contract is Supply, Installation, Commissioning, testing & training Equipment for PCR Laboratory Contract No: CPC/PDHS/F7/2-1/2021
	The source of funding: GOSL
	Foreign bidders <i>are not allowed to participate in bidding</i>
	B. Contents of Bidding Documents
	C. Preparation of Quotations
	For Clarification of bid purposes only, the Purchaser's address is: Attention: Provincial Director of Health Services Address: Office of the PDHS No. 163, Sangaraja Mawatha, Kandy Telephone : 081-2222856, 0812222341 Fax No: 081-2222856 Electronic Mail Address: pdhsaccts@gmail.com
	The bidder shall submit the following additional documents <ol style="list-style-type: none"> 1. Certified copy of Business Registration 2. Certified Copy of Company Registration 3. Brochures for the quoted items 4. NMRA Certificate 5. Audited financial statements of Company for the last 3 consecutive years
6	The bidder shall quote in Sri Lankan Rupees (LKR) and payment shall be made same
	Period of time the goods are expected to be functioning (for the purpose of spare parts): Three years from the delivery
	After sales services is required
8	The bid shall be valid until 16.04.2021

	Bid shall include Bid Securities (An unconditional guarantee issued by a reputed bank approved by Central Bank of Sri Lanka) included in Section IV Bidding Forms. Non- compliance of these requirements will result in disqualification of the bidder.
	The amount of the Bid Security shall be – 200,000.00 The Bid Securities shall be valid for a period of 28 days beyond the original validity period of bids, up to 14th May 2021
	D. Submission and Opening of Quotation
10	The inner and outer envelopes shall bear the following identification marks Supply, Installation, Commissioning, testing & training Equipment for PCR Laboratory Contract No: CPC/PDHS/F7/2-1/2021
11	For bid submission purposes, the Purchaser's address is: Attention: The Chairman, Procurement Committee Address Provincial Director of Health Services Office No. 163, Sangaraja Mawatha, Kandy The deadline for the submission of bids is Date: 29th January 2021 Time: 2.00 p.m.
13	The bid opening shall take place at: Address: Provincial Director of Health Services Office No. 163, Sangaraja Mawatha, Kandy Date: 29th January 2021 Time: 2.00 p.m.
	E. Evaluation and Comparison of Quotation
	Domestic preference shall not be an evaluation factor
	The adjustments shall be determined using the following criteria, from among those set out in section III, Evaluation and Qualification criteria: (a) Deviation in Delivery Schedule: Option 1 is applicable and for offer within the earliest to final delivery date 0.5 % of bid price per week will be added for evaluation purpose. (b) Deviation in payment schedule: Not Applicable
	The following factors and methodology will be used for evaluation: Service and maintenance charges (if applicable) Cost for spare parts (if applicable) Compliance to delivery schedule.

	Compliance to technical specifications Compliance to general conditions.
	Bidders <i>shall be</i> allowed to quote one or more lots.

Section III. Evaluation and Qualification Criteria

This Section complements the Instructions to Bidders. It contains the criteria that the Purchaser use to evaluate a bid and determine whether a Bidder has the required qualifications. No other criteria shall be used.

Contents

1. Evaluation Criteria (ITB 35.3 {d})
2. Evaluation Criteria (ITB 35.4)
5. Post qualification Requirements (ITB 37.2)

Section III. Evaluation and Qualification Criteria

1. Evaluation Criteria
 - Bid price
 - Price adjustment for arithmetic errors
 - Price adjustments to discounts offered
 - Adjustments due to the evaluation criteria given in the BDS
2. Evaluation Criteria
 - Evaluation may consider the other factors if specified in the SBD
3. Post qualification Requirements
 - Bidder has been successfully sold at least two units of bidding items
4. Financial Capabilities:
 - Bidder shall furnish documentary evidence to demonstrate that it meets the following financial requirements.
Audited financial statements of the company for last consecutive three years.
Net current Assets should be equal or more than 30 million
5. Experience and Technical Capacity:
 - The Bidder shall furnish documentary evidence to demonstrate that it meets the following experience requirements.
 - Company profile full details with qualified technicians and branch networks for support services shall be submitted.
 - Bidder must be a registered company in Sri Lanka.

Section iv. Bidding Forms

Table of Forms

Bid Submission Form.....
Price Schedule.....
Bid Security (Guarantee)
Manufacturer's Authorization.....

Bid Submission Form

[The Bidder shall fill in this Form in accordance with the instructions indicated No alterations to its format shall be permitted and no substitutions shall be accepted.]

Date: [insert date (as day, month and year) of Bid Submission]
No.: [insert number of bidding process]

To: **Provincial Director of Health Services, Central Province**

We, the undersigned, declare that:

- (a) We have examined and have no reservations to the Bidding Documents, including Addenda No.: [Insert the number and issuing date of each Addenda];
- (b) We offer to supply in conformity with the Bidding Documents and in accordance With the Delivery Schedules specified in the Schedule of Requirements the Following Goods and Related Services: **Supply, Installation, Commissioning, testing & training Contract No: CPC/PDHS/F7/2-1/2021**
- (c) The total price of our Bid before VAT, including any discounts offered is:
.....
[Insert the total bid price in words and figures];
- (d) The total price of our Bid after VAT, including any discounts offered is:
.....
[Insert the total bid price of lot A & B separately in words and figures];
- (e) Our bid shall be valid for the period of time specified in ITB Sub-Clause 19.1, from the date fixed for the bid submission deadline in accordance with ITB Sub-Clause 23.1 and it shall remain binding upon us and may be accepted at any time before the expiration of that period;
- (f) If our bid is accepted, we commit to obtain a performance security in accordance with ITB Clause 43 and CC Clause 17 for the due performance of the Contract;
- (g) We have no conflict of interest in accordance with ITB Sub-Clause 4.3;
- (h) Our firm, its affiliates or subsidiaries—including any subcontractors or suppliers for any part of the contract—has not been declared blacklisted by the National Procurement Agency;
- (i) We understand that this bid, together with your written acceptance thereof included in your notification of award, shall constitute a binding contract between us, until a formal contract is prepared and executed.
- (j) We understand that you are not bound to accept the lowest evaluated bid or any other bid that you may receive.

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

In the capacity of..... [Insert legal capacity of person signing the Bid Submission Form]

Name: [Insert complete name of person signing the Bid Submission Form]

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

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

Bid Security/Guarantee

[this Bank Guarantee form shall be filled in accordance with the instructions indicated in brackets]

----- [insert issuing agency's name, and address of issuing branch or office] -----

Beneficiary: Provincial Director of Health Services, Central Province, PDHS Office, No. 163, Sangaraja Mawatha, Kandy

Date: ----- [insert (by issuing agency) date]

BID GUARANTEE No.: ----- [insert (by issuing agency) number]

We have been informed that ----- [insert (by issuing agency) name of the Bidder; if a joint venture, list complete legal names of partners] (hereinafter called "the Bidder") has submitted to you its bid dated ----- [insert (by issuing agency) date] (hereinafter called "the Bid") for the supply of ----- [insert name of Supplier] under Invitation for Bids No. ----- [insert IFB number] ("the IFB").

Furthermore, we understand that, according to your conditions, Bids must be supported by a Bid Guarantee. At the request of the Bidder, we ----- [insert name of issuing agency] hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of ----- [insert amount in figures] ----- [insert amount in words] upon receipt by us

of your first demand in writing accompanied by a written statement stating that the Bidder is in breach of its obligation(s) under the bid conditions, because the Bidder:

(a) has withdrawn its Bid during the period of bid validity specified; or

(b) does not accept the correction of errors in accordance with the Instructions to Bidders (hereinafter "the ITB"); or

(c) having been notified of the acceptance of its Bid by the Purchaser during the period of bid validity, (i) fails or refuses to execute the Contract Form, if required, or (ii) fails or refuses to furnish the Performance Security, in accordance with the ITB.

This Guarantee shall expire: (a) if the Bidder is the successful bidder, upon our receipt of copies of the Contract signed by the Bidder and of the Performance Security issued to you by the Bidder; or (b) if the Bidder is not the successful bidder, upon the earlier of (i) our receipt of a copy of your notification to the Bidder that the Bidder was unsuccessful, otherwise it will remain in force up to ----- (insert date)

Consequently, any demand for payment under this Guarantee must be received by us at the office on or before that date. _____

[signature(s) of authorized representative(s)]

Manufacturer's Authorization

[If requested under ITV clause 7.3 the Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated.]

Date:

WHEREAS

We[Insert complete name of Manufacture], who are official manufactures 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 quotation 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 supply the goods.

We hereby extend our full guarantee and warranty, 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]

Duly authorized to sign this Authorization on behalf of: [Insert complete name of Bidder]

Dated onday of, [Insert date of signing]

Section V. Schedule of Requirements

Contents

1. List of Good and Delivery Schedule.....
2. Technical Specifications

Section III : Schedule of the Requirements

Line Item No	Description of Goods	Quantity	Unit	Final Destination	Transport and any other services	Delivery Date	
						Latest Delivery Date	Bidder offer Delivery date
1	Real time PCR machine	1		DBH Teldeniya		30 days from the Purchasing Order	
2	Automated DNA/RNA Extraction System - 96 Samples per run/5 Channels	1					
3	Centrifuge with refrigerator	1					
4	Molecular grade micropipettes (Multichannel - optional) 0.5µl - 10µl 2µl - 20µl 200µl- 1000µl 2µl - 200µl	03 03 03 02					
5	-20°C Freezer (70°C – optional)	01					
6	PCR Hood	2					
7	Mini Spinner	2					

2. Technical Specifications

The purpose of the Technical Specifications (TS), is to define the technical characteristics of the Goods and Related Services required by the Purchaser. The Purchaser shall prepare the detailed TS take into account that:

- The TS constitute the benchmarks against which the Purchaser will verify the technical responsiveness of bids and subsequently evaluate the bids. Therefore, well defined TS will facilitate preparation of responsive bids by bidders, as well as examination, evaluation, and comparison of the bids by the Purchaser.
- The TS shall require that all goods and materials to be incorporated in the goods be new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided for otherwise in the contract.
- The TS shall make use of best practices. Samples of specifications from successful similar procurements may provide a sound basis for drafting the TS.
- Standardizing technical specifications may be advantageous, depending on the complexity of the goods and the repetitiveness of the type of procurement. Technical Specifications should be broad enough to avoid restrictions on workmanship, materials, and equipment commonly used in manufacturing similar kinds of goods.
- Standards for equipment, materials, and workmanship specified in the Bidding Documents shall not be restrictive. Recognized standards should be specified as much as possible. Reference to brand names, catalogue numbers, or other details that limit any materials or items to a specific manufacturer should be avoided as far as possible. Where unavoidable, such item description should always be followed by the words “or substantially equivalent.” When other particular standards or codes of practice are referred to in the TS, a statement should follow other authoritative standards that ensure at least a substantially equal quality, then the standards mentioned in the TS will also be acceptable.
- Reference to brand names and catalogue numbers should be avoided as far as possible; where unavoidable the words “or at least equivalent” shall always follow such references.
- Technical Specifications shall be fully descriptive of the requirements in respect of, but not limited to, the following:
 - (a) Standards of materials and workmanship required for the production and manufacturing of the Goods.
 - (b) Detailed tests required (type and number).
 - (c) Other additional work and/or Related Services required achieving full delivery/completion.
 - (d) Detailed activities to be performed by the Supplier, and participation of the Purchaser thereon.
 - (e) List of detailed functional guarantees covered by the Warranty and the specification of the liquidated damages to be applied in the event that such guarantees are not met.
- The TS shall specify all essential technical and performance characteristics and requirements, including guaranteed or acceptable maximum or minimum values, as appropriate. Whenever necessary, the Purchaser shall include an additional ad-hoc bidding form (to be an Attachment to the Bid Submission Sheet), where the Bidder shall provide detailed information on such technical performance characteristics in respect to the corresponding acceptable or guaranteed values

When the Purchaser requests that the Bidder provides in its bid a part or all of the Technical Specifications, technical schedules, or other technical information, the Purchaser shall specify in detail the nature and extent of the required information and the manner in which it has to be presented by the Bidder in its bid.

The Bidders shall provide details of compliance to the technical specifications by filling complete information in the column 'Bidder's Offer' in the 'Technical Specification with Column Bidders Offer' forms provided in this Section. Bidder's failure to provide the Information requested in the column 'Bidder's Offer' may be a reason for the rejection of the bid. If any discrepancy is observed between the information provided by the bidder in the column Bidder's Offer and the other technical information attached to the bid, the information provided herein shall take Precedence.

Section VII – Contract Data

CC 1.1 (i)	The Purchaser is: Provincial Director of Health Services, Provincial Department of Health Services, Central Province
CC 1.1 (m)	Final Destination(s): Given in the list of goods and delivery schedule
CC 8.1	<p>For notices, the Purchaser's address shall be:</p> <p>Attention: Provincial Director of Health Services Address: Office of the PDHS No. 163, Sangaraja Mawatha, Kandy Telephone : 081-2222856, 0812222341 Fax No: 081-2222856</p>
CC 12.1	The delivery of the goods and completion of the related services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements . Invoice duly receipted by consignee for having received the goods in physically good condition, Inventory certificates and manufacture's inspection certificates are required to make payment to bidders.
CC 15.1	<p>The method and conditions of payment to be made to the supplier under this contract shall be as follows:</p> <p>Payment shall be made in Sri Lankan Rupees within thirty days of presentation of claim supported by a certificate from the purchaser declaring that the goods have been delivered and that all contracted services have been performed.</p> <p>(i) On delivery and acceptance: 100 % of the contract price shall be paid to the supplier within thirty days (30 days) after the date of the acceptance certificate of the respective delivery issued by the purchaser</p>
CC 17.1	<p>Performance security shall be required ten percent (10%) of the contract value (Soon after contract is awarded)</p> <p>After delivery and acceptance of the Goods, the performance security shall be reduced to the 2% for the rest of the warranty period.</p>
CC 25.1	The inspections and tests shall be conducted by the supplier to ensure compliance of the goods supplied to the laid down specifications.
CC 25.2	Inspections and the tests shall be conducted at: Supplier's stores and Final Destination.
CC 26.1	The liquidated damage shall be: 0.5% per week and the maximum amount of liquidated damages shall be: 10%

Technical Specifications For Real Time PCR Machine

	1	2	3	4	5
		Minimum Specifications	Bidder's Offer¹		Remarks/Variations
			Conformity		Remarks/Variations (if any)³
			Priority	Yes	No
A	Mandatory Requirements				
	1	The requested documents for this item shall be submitted as one bundle and must be separated from documents of other equipment if the bidder is quoting for more than one item.	C		
	2	It is mandatory that the equipment should have NIMRA certification valid for a minimum period of 6 months from the date of bid opening and a certified copy of NIMRA certificate should be submitted with bid documents.(bids with out valid NIMRA certificates shall not be considered for bid evaluation)	C		
	3	Manufacturer of the product should possess a quality management system according to ISO 13485:2016 or similar standards. Bidder should submit a certified copy of required international standard certificate	C		
	4	Each Unit must carry a two year comprehensive warranty effective from the date of commissioning. (including Real time PCR machine, Computer, Printer, UPS, Voltage regulator) Periodical maintenance must be provided free of charge during two years comprehensive warranty period	C		
	5	It is mandatory that Bidders must support compliance to the given specifications with manufacturer's original brochures.(bids without original brochures shall not be considered for evaluation)	C		
	6	Bidder must be a registered company in Sri Lanka according to the law of the country and shall submit a certified copy of certificate of business registration	C		
	7	Bidders must enclose a list of current users, their contact details [local], dates of supply and of names of supplied models.	C		
	8	Bidders must provide documentary evidence on their technical capacity (trained staff, testing equipment for calibration & maintenance support as per manufacturer service/technical manuals) to carry out installation, commissioning and maintenance services.	C		
	9	Bidders must provide documentary evidences on their past experience, at least for five years, on testing equipment for calibration, carrying out installation, carrying out preventive and corrective maintenance and on supply of quoted products	C		

	Bidder must provide documentary evidence on their financial capacity to import, to supply, to install, to commission and to carry out preventive maintenance for at least 8 years after the warranty period. Bidder shall attach company's audited financial statements for last three years.	C			
10	Bidder must provide documentary evidence on their financial capacity to import, to supply, to install, to commission and to carry out preventive maintenance for at least 8 years after the warranty period. Bidder shall attach company's audited financial statements for last three years.	C			
11	Bidder must submit the Manufacturer authorization letter and it should be on the letter head of the Manufacturer and should be signed by a person with proper authority and should be prepared according to the sample letter provided with the bidding documents	C			
12	Supplier must mention the annual maintenance cost for each equipment on full parts and labor supply basis with an annual breakdown of prices & labor basis for five years after the warranty period (Should include dye calibration if required), Maintenance cost shall be considered for the bid evaluation	C			
13	If the contract is awarded to supply the quoted equipment the Bidder must transport them to destination indicated in the bid data sheet and shall install and commission them after verifying the specifications to an officer of Biomedical engineering unit of the Department of Health, Central province.	C			
14	The supplier must commission the system and should provide comprehensive on-site training for the staff of the Laboratory	C			
15	User instruction/Technical/Maintenance manuals must be supplied (in English).	C			
16	Model on offer should be demonstrated when requested	C			
17	Local agent must ensure repairing of machine in sudden out of order within 03 days, falling which costs associated with investigations send to private sector as a result of service interruption should be borne by the local agent	C			
18	Should provide a valid document to assure availability of accessories and spare parts for minimum period of 8 years from the date of bid opening and it must be attested by the manufacturer. It should be on the letter head of the Manufacturer and should be signed by a person with proper authority.	C			
	Technical Specifications				
1	Thermo-cycler for PCR, qualitative and quantitative detection of DNA/RNA in real time and post PCR analysis	C			
2	System should be able to perform "open source" for verities of different diagnostic kits and consumables	C			
3	System should be able to perform assays using Tagman or SYBER Green chemistry	C			

4	Able to perform absolute and relative quantification, genotyping, gene expression analysis and high resolution melt analysis	C			
5	Sample capacity: 96 samples/run, should be compatible for 0.1-0.2ml PCR tubes, 8 tubes strips and 96 well plates	C			
6	Accepted sample volume 10 to 50µl for reaction	C			
7	Optical module: Excitation Source: LED	C			
8	Ability to detect more than 05 targets simultaneously in a single tube, number of channels 05 or more	C			
9	Calibration for dyes: System should be calibrated to standard dye sets: FAM/SYBER Green 1, VIC/IOE, NED/TAMRA/Cy3, Cy5 and ROX/Texas Red	C			
10	Ramp rate: Heating approx 4.0°C/S - 5°C/S Cooling:approx.4.0°C/S - 5°C/S	C			
11	Temperature control range of block: 04-100°C	C			
12	Block homogeneity: 20-72°C±0.3°C; 90°C±0.4°C	C			
13	Control accuracy: ±0.25°C	C			
14	Lid temperature: 99-105°C	C			
15	Dynamic Range: 9 -10 orders of magnitude	C			
16	Supplied with compatible UPS, power stabilizer and laptop computer	C			
17	Be able to operate at power supply of 220v-230v/50Hz	C			
18	Should be able to operate at environment temperature of 21-32°C	C			
19	System software should have a genuine operating system & all software upgrades should be provided with free of charge				

¹ Bidder shall fill in Col. 4 & 5.

² Purchaser will mark 'C' for critical requirements

³ If the Bidder has marked 'No' for Conformity, bidder shall provide information in this column of his offer against the clause concerned in Col. 2 (Minimum Specifications). If the Bidder has marked 'Yes' Bidder has the option of providing additional information to establish that it conforms to the specifications given

Make & Model: -----

Country of Manufacture: -----

Bidder's signature, Date & Company seal.

Technical Specifications For Automated Nucleic Acid Extractor

1	2	3	4		5
#	Minimum Specifications	Bidder's Offer ¹		Remarks/Variations	
		Priority	Conformity		Remarks/Variations (if any) ³
A	Mandatory Requirements		Yes	No	
1	The requested documents for this item shall be submitted as one bundle and must be separated from documents of other equipment if the bidder is quoting for more than one	C			
2	It is mandatory that the equipment should have NMRA certification valid for a minimum period of 6 months from the date of bid opening and a certified copy of NMRA certificate	C			
3	Manufacturer of the product should possess a quality management system according to ISO 13485:2016 or similar standards. Bidder should submit a certified copy of required	C			
4	Each Unit must carry a two year comprehensive warranty effective from the date of commissioning.	C			
5	It is mandatory that Bidders must support compliance to the given specifications with manufacturer's original brochures. (bids with out original brochures shall not be considered	C			
6	Bidder must be a registered company in Sri Lanka according to the law of the country and shall submit a certified copy of certificate of business registration	C			
7	Bidders must enclose a list of current users, their contact details [local], dates of supply and of names of supplied models.	C			
8	Bidders must provide documentary evidence on their technical capacity (trained staff, testing equipment for calibration & maintenance support as per manufacturer service/technical	C			
9	Bidders must provide documentary evidences on their past experience, at least for five years, on testing equipment for calibration, carrying out installation, carrying out preventive and				
10	Bidder must provide documentary evidence on their financial capacity to import, to supply, to install, to commission and to carry out preventive maintenance for at least 8 years after the warranty period. Bidder shall attach company's audited financial statements for last three years.	C			
11	Bidder must submit the Manufacturer authorization letter and it should be on the letter head of the Manufacturer and should be signed by a person with proper authority and should be	C			
12	Supplier must mention the annual maintenance cost for each equipment on parts & labor basis for five years after the warranty period. (maintenance cost shall be considered for the	C			

13	if the contract is awarded to supply the quoted equipment the Bidder must transport them to destination indicated in the bid data sheet and shall install and commission them after	C			
14	The supplier must commission the system and provide adequate user training.	C			
15	User/Technical/Maintenance manuals must be supplied.	C			
16	Model on offer should be demonstrated when requested	C			
17	minimum period of 8 years from the date of bid opening and it must be attested by the manufacturer. It should be on the letter head of the Manufacturer and should be signed by a	C			
B	Technical Specifications				
1	Automated system for extraction and purification of viral nucleic acids for molecular diagnosis purpose	C			
2	Should be able to extract and purify viral DNA, RNA and total nucleic acids (both DNA and RNA) from respiratory secretions	C			
3	Technology based on spin column method or magnetic particles method or ultra-thin membrane method.	C			
4	Should be able to perform 96 samples or more per each run	C			
5	Speed, should be able to complete processing of 96 samples in 45-90 minutes	C			
6	Should be able to perform cost effectively when number of samples are less than total capacity per run (eg- one sample)	C			
7	Efficient method should be available for prevention of cross contamination and carrier over contamination	C			
8	Be able to perform nucleic acid extraction from sample volume of 200-2000µL	C			
9	Able to operate at 230-250V and 50-60Hz electrical supply	C			
10	Able to work in temperature 23-28°C, humidity 60-80%	C			

11	Ability to use open source reagents/kits is preferred, in case of machine specific reagents supplier should provide guarantee for continues supply of reagents/kits for at least for 10 years	C			
12	In case of machine specific reagents/kits, cost per reaction at time of bidding should be mentioned & bidder must ensure continuous supply of reagents/kits during COVID pandemic	C			
13	Operator manual should be in English	C			
14	Minimum 03 years of comprehensive warranty	C			
15	The unit costs of all accessories required for operation of the equipment should be quoted or provided with the equipment	C			
16	Installation, validation/ performance demonstration should be carried out at site of installation	C			
17	Local agent must ensure repairing of machine in sudden out of order within 03 days, falling which costs associated with investigations send to private sector as a result of service interruption should be borne by the local agent	C			
18	Cost for spare parts and service chargers for next 05 years should be mentioned (subject to exchange rate variation)	C			
19	Should be supplies with a 3K V UPS free of charge	C			

¹ Bidder shall fill in Col. 4 & 5.

² Purchaser will mark C for critical requirements

³ If the Bidder has marked No for Conformity, bidder shall provide information in this column of his offer against the clause concerned in Col. 2 (Minimum Specifications). If the Bidder has marked Yes Bidder has the option of providing additional information to establish that it conforms to the specifications given

Make & Model: -----

Country of Manufacture: -----

Bidder's signature, Date & Company seal.

Technical Specifications For Refrigerated Centrifuge

1	2	3	4	5			
	Minimum Specifications		Bidder's Offer¹	Remarks/Variations			
			Conformity	Remarks/Variations			
		Priority	Yes	No	(if any)³		
A	Mandatory Requirements						
1	The requested documents for this item shall be submitted as one bundle and must be separated from documents of other equipment if the bidder is quoting for more than one item.	C					
2	It is mandatory that the equipment should have NMRA certification valid for a minimum period of 6 months from the date of bid opening and a certified copy of NMRA certificate should be submitted with bid documents. (bids with out valid NMRA certificates shall not be considered for bid evaluation)	C					
3	Manufacturer of the product should possess a quality management system according to ISO 13485:2016 or similar standards. Bidder should submit a certified copy of required international standard certificate	C					
4	Each Unit must carry 3 years Comprehensive warranty for entire system effective from the date of commissioning. Periodical maintenance must be free of charge during three years comprehensive warranty period	C					
5	It is mandatory that Bidders must support compliance to the given specifications with manufacturer's original brochures. (bids with out original brochures shall not be considered for evaluation)	C					
6	Bidder must be a registered company in Sri Lanka according to the law of the country and shall submit a certified copy of certificate of business registration	C					
7	Bidders must enclose a list of current users, their contact details [local], dates of supply and of names of supplied models.	C					

8	Bidders must provide documentary evidence on their technical capacity (trained staff, testing equipment for calibration & maintenance support as per manufacturer service/technical manuals) to carry out installation, commissioning and maintenance services.	C			
9	Bidders must provide documentary evidences on their past experience, at least for five years, on testing equipment for calibration, carrying out installation, carrying out preventive and corrective maintenance and on supply of quoted products	C			
10	Bidder must provide documentary evidence on their financial capacity to import, to supply, to install, to commission and to carry out preventive maintenance for at least 8 years after the warranty period. Bidder shall attach company's audited financial statements for last three years.	C			
11	Bidder must submit the Manufacturer authorization letter and it should be on the letter head of the Manufacturer and should be signed by a person with proper authority and should be prepared according to the sample letter provided with the bidding documents	C			
12	Supplier must mention the annual maintenance cost for each equipment on full parts and labor supply basis with an annual breakdown of prices & labor basis for five years after the warranty period. Maintenance cost shall be considered for the bid evaluation	C			
13	If the contract is awarded to supply the quoted equipment the Bidder must transport them to destination indicated in the bid data sheet and shall install and commission them after verifying the specifications to an officer of Biomedical engineering unit of the Department of Health, Central province.	C			
14	The supplier must commission the system and should provide comprehensive on-site training for the staff of the Laboratory	C			
15	User instructions/Technical/Maintenance manuals must be supplied (In English)	C			
16	Model on offer should be demonstrated when requested	C			

17	Should provide a valid document to assure availability of accessories and spare parts for minimum period of 10 years from the date of bid opening and it must be attested by the manufacturer. It should be on the letter head of the Manufacturer and should be signed by a person with proper authority.	C			
Technical Specifications					
1	Laboratory centrifuge for molecular diagnostic work	C			
2	Table-top preferred	C			
3	Should be able to centrifuge 1.5 mL micro centrifuge tubes and silica spin columns for DNA/ RNA extraction	C			
4	Capacity should be 48 tubes/ cycle	C			
5	Temperature range 4 °C to ambient temperature	C			
6	CFC free cooling system	C			
7	Provision for fast pre-cooling	C			
8	Temperature accuracy inside the rotor and in tube (sample temp.) +/- 1 ^o C	C			
9	Microprocessor controlled large LCD display for Speed, RCF, running time and temperature. Should have a digital display unit	C			
10	Set speed should be reached with minimal time	C			
11	Motor should be with minimum vibration and noise, even at high speed.	C			
12	Body should be made of strong fabricated and corrosion resistant steel	C			
13	Control panel should be user friendly with start / stop switch, dynamic brakes, pulse key, step less speed regulator with zero start switch and speed indicator with timer and protective fuses. These settings should be able to be changed while the centrifuge is running.	C			
14	Door interlock – centrifuge should not be able to start until the lid has been properly closed. Lid should only be opened once the rotor comes to a complete stop	C			
15	Should be able to detect imbalances.	C			
16	Speed pre selection and digital display in control panel.	C			
17	Speed range 8000-14,000 rpm, adjustable	C			
18	Tube holders should be available as appropriate	C			
19	The unit shall be capable of operating continuously in ambient temperature of 10- 30oC and relative humidity of 15-90%	C			

Power input to be 220-240 V, 50Hz as appropriate fitted with compatible plugging.	C			
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¹ Bidder shall fill in Col. 4 & 5.

² Purchaser will mark C for critical requirements

³ If the Bidder has marked No for Conformity, bidder shall provide information in this column of his offer against the clause concerned in Col. 2 (Minimum Specifications). If the Bidder has marked Yes Bidder has the option of providing additional information to establish that it conforms to the specifications given

Make & Model: -----

Country of Manufacture: -----

Bidder's signature, Date & Company seal.

Technical Specifications For Micropipettes

		1	2	3	4	5	
		Minimum Specifications			Bidder's Offer¹		Remarks/Variations
				Conformity			
				Priority	Yes	No	Remarks/Variations (if any)³
		Mandatory Requirements					
1	The requested documents for this item shall be submitted as one bundle and must be separated from documents of other equipment if the bidder is quoting for more than one item.	C					
2	Each Unit must carry 1 years Comprehensive warranty.	C					
5	It is mandatory that Bidders must support compliance to the given specifications with manufacturer's original brochures.(bids with out original brochures shall not be considered for evaluation)	C					
6	Bidder must be a registered company in Sri Lanka according to the law of the country and shall submit a certified copy of certificate of business registration	C					
7	Bidders must enclose a list of current users, their contact details [local], dates of supply and of names of supplied models.	C					
10	Bidder must provide documentary evidence on their financial capacity to import, to supply, to install, to commission and to carry out preventive maintenance for at least 8 years after the warranty period. Bidder shall attach company's audited financial statements for last three years.	C					
11	Bidder must submit the Manufacturer authorization letter and it should be on the letter head of the Manufacturer and should be signed by a person with proper authority and should be prepared according to the sample letter provided with the bidding documents	C					
13	If the contract is awarded to supply the quoted equipment the Bidder must transport them to destination indicated in the bid data sheet and shall install and commission them after verifying the specifications to an officer of Biomedical engineering unit of the Department of Health, Central province.	C					
15	User instructions/Technical/Maintenance manuals must be supplied (In English)	C					
Technical Specifications							
1	4 Digit Volume setting , UV resistant Micro pipette	C					
2	Fully autoclable at 121 ^o C for 20 minutes at least 150 cycles. Both full pipette or lower part (Should be mentioned in the manufacturer literature)	C					

	There should be secondary adjustment to User to adjust the pipetting volume temporary up to at least 2% to offsets inaccuracies when working with different liquids like warm, cold, viscous or different altitude conditions.	C			
3	Spring loaded tip cone should be available (Should be mentioned in the manufacturer literature)	C			
4	Spring materials should be chemical resistant, corrosion proof and abrasive	C			
5	Compatible for universal tip	C			
6	Spare parts should be available for Next 05 Years	C			
7	Country of Origin- Please indicate	C			
8	Country of manufacturer- Please indicate	C			
9	The piston distance of the pipettes should be adjust in second for better accuracy when pipetting various difficult liquids like ethanol or even when pipetting at high altitudes	C			
10	Delivery should be within 2 - 4 weeks time	C			
11	Volume range in µl of the micro pipette & type of the multpipetts	C			
	0.5-10 microliter-single channel variable 03 nos	C			
	2-20 microliter-single channel variable 03 nos	C			
	200-1000 microliter-single channel variable 03 nos	C			
	2-200 microliter-multi channel variable 02 nos	C			
	* Micro pipet rack/ holder should be Compatible Supplied (02 Nos)	C			

¹ Bidder shall fill in Col. 4 & 5.

² Purchaser will mark C for critical requirements

³ If the Bidder has marked No for Conformity, bidder shall provide information in this column of his offer against the clause concerned in Col. 2 (Minimum Specifications). If the Bidder has marked Yes Bidder has the option of providing additional information to establish that it conforms to the specifications given

Make & Model: -----

Country of Manufacture: -----

Bidder's signature, Date & Company seal.

Technical Specifications For - 20 deg C Freezer

		3	4	5
		Bidder's Offer ¹		Remarks/Variations
Minimum Specifications		Conformity		Remarks/Variations (if any) ³
		Priority	Yes	No
Mandatory Requirements				
A				
1	The requested documents for this item shall be submitted as one bundle and must be separated from documents of other equipment if the bidder is quoting for more than one item.	C		
2	It is mandatory that the equipment should have NIMRA certification valid for a minimum period of 6 months from the date of bid opening and a certified copy of NIMRA certificate should be submitted with bid documents.			
3	Manufacturer of the product should possess a quality management system according to ISO 13485:2016 or similar standards. Bidder should submit a certified copy of required international standard certificate			
4	Each Unit must carry a three year comprehensive warranty effective from the date of commissioning. Periodical maintenance must be provided free of charge during two years comprehensive warranty period	C		
5	It is mandatory that Bidders must support compliance to the given specifications with manufacturer's original brochures. (bids without original brochures shall not be considered for evaluation)	C		
6	Bidder must be a registered company in Sri Lanka according to the law of the country and shall submit a certified copy of certificate of business registration	C		
7	Bidders must enclose a list of current users, their contact details [local], dates of supply and of names of supplied models.	C		

	8	Bidders must provide documentary evidence on their technical capacity (trained staff; testing equipment for calibration & maintenance support as per manufacturer service/technical manuals) to carry out installation, commissioning and maintenance services.	C				
	9	Bidders must provide documentary evidences on their past experience, at least for five years, on testing equipment for calibration, carrying out installation, carrying out preventive and corrective maintenance and on supply of quoted products	C				
	10	Bidder must provide documentary evidence on their financial capacity to import, to supply, to install, to commission and to carry out preventive maintenance for at least 8 years after the warranty period. Bidder shall attach company's audited financial statements for last three years.	C				
	11	Bidder must submit the Manufacturer authorization letter and it should be on the letter head of the Manufacturer and should be signed by a person with proper authority and should be prepared according to the sample letter provided with the bidding documents	C				
	12	Supplier must mention the annual maintenance cost for each equipment on full parts and labor supply basis with an annual breakdown of prices & labor basis for five years after the warranty period (Should include dye calibration if required), Maintenance cost shall be considered for the bid evaluation	C				
	13	If the contract is awarded to supply the quoted equipment the Bidder must transport them to destination indicated in the bid data sheet and shall install and commission them after verifying the specifications to an officer of Biomedical engineering unit of the Department of Health, Central province.	C				
	14	The supplier must commission the system and should provide comprehensive on-site training for the staff of the Laboratory	C				
	15	User instruction/Technical/Maintenance manuals must be supplied (in English).	C				
	16	Model on offer should be demonstrated when requested	C				
B	Technical Specifications						
	1	Please mention Name of the manufacturer	C				

2	Please mention Model	C				
3	Please mention Country of origin	C				
4	Internal capacity 400 L or more	C				
5	Internal arrangement preferred with adjustable 4 shelves with individual drawers or more	C				
6	Vertical cabinet preferably with 2 doors on top of each others	C				
7	Range up to -20 to -25 ⁰ C (adjustable)	C				
8	Solid rust-free cabinet to prevent corrosion	C				
9	Should be on lockable wheels for easy moving	C				
10	Inner surface should be stainless steel.	C				
11	The equipment should be of continuous duty	C				
12	Automatic defrosting preferable	C				
13	Integrated controller with temperature alarm, door ajar alarm, on/off switch and digital thermometer display independent of power supply preferable	C				
14	Insulation should be high density polyurethane or equivalent, CFC free	C				
15	Gaskets should be double seal silicon.	C				
16	Door heating system for easy opening of door					
17	The unit shall be capable of operating continuously in ambient temperature and relative humidity of 15-90%.					
18	Storage and operating temperature and humidity should be compatible with the standard laboratory environment					
19	Be able to operate at power supply of 220v-230v/50Hz	C				

¹ Bidder shall fill in Col. 4 & 5.

² Purchaser will mark C for critical requirements

³ If the Bidder has marked *No* for Conformity, bidder shall provide information in this column of his offer against the clause concerned in Col. 2 (Minimum Specifications). If the Bidder has marked *Yes* Bidder has the option of providing additional information to establish that it conforms to the specifications given

Make & Model: -----

Country of Manufacture: -----

Bidder's signature, Date & Company seal.

23	The equipment shall carry Two years warranty on full parts & labour basis effective after successful commissioning & hand over. Bidder should specify what is not covered under warranty.					
24	Bidder shall also quote separately for a comprehensive service and maintenance agreement including both preventive maintenance as well as corrective maintenance including full parts and labour for a period of five (05) years after the warranty.					
25	Bidder should give a complete price list of Spare parts for 5 years.					
26	Demonstration at the time of installation and commissioning and an on-site training for the staff of the laboratory					
27	Instrument should be delivered within 2 - 4 weeks					
28	Suitable UPS should be supplied with the instrument					

¹ Bidder shall fill in Col. 4 & 5.

² Purchaser will mark C for critical requirements

³ If the Bidder has marked No for Conformity, bidder shall provide information in this column of his offer against the clause concerned in Col 2 (Minimum Specifications). If the Bidder has marked Yes Bidder has the option of providing additional information to establish that it conforms to the specifications given

Make & Model:

Country of Manufacture:

Bidder's signature, Date & Company seal.

Technical Specifications For Mini Centrifuge

	2	3	4	5	
	Minimum Specifications	Bidder's Offer ¹		Remarks/Variations	
		Conformity		Remarks/Variations (if any) ³	
A	Mandatory Requirements	Priority	Yes	No	
1	The requested documents for this item shall be submitted as one bundle and must be separated from documents of other equipment if the bidder is quoting for more than one item.	C			
2	It is mandatory that the equipment should have NMRA certification valid for a minimum period of 6 months from the date of bid opening and a certified copy of NMRA certificate should be submitted with bid documents. (bids with out valid NMRA certificates shall not be considered for bid evaluation)	C			
3	Manufacturer of the product should possess a quality management system according to ISO 13485:2016 or similar standards. Bidder should submit a certified copy of required international standard certificate	C			
4	Each Unit must carry 3 years Comprehensive warranty for entire system effective from the date of commissioning. Periodical maintenance must be free of charge during three years comprehensive warranty period	C			
5	It is mandatory that Bidders must support compliance to the given specifications with manufacturer's original brochures. (bids with out original brochures shall not be considered for evaluation)	C			
6	Bidder must be a registered company in Sri Lanka according to the law of the country and shall submit a certified copy of certificate of business registration	C			
7	Bidders must enclose a list of current users, their contact details [local], dates of supply and of names of supplied models.	C			
8	Bidders must provide documentary evidence on their technical capacity (trained staff, testing equipment for calibration & maintenance support as per manufacturer service/technical manuals) to carry out installation, commissioning and maintenance services.	C			
9	Bidders must provide documentary evidences on their past experience, at least for five years, on testing equipment for calibration, carrying out installation, carrying out preventive and corrective maintenance and on supply of quoted products	C			
10	Bidder must provide documentary evidence on their financial capacity to import, to supply, to install, to commission and to carry out preventive maintenance for at least 8 years after the warranty period. Bidder shall attach company's audited financial statements for last three years.	C			

11	Bidder must submit the Manufacturer authorization letter and it should be on the letter head of the Manufacturer and should be signed by a person with proper authority and should be prepared according to the sample letter provided with the bidding documents	C			
12	Supplier must mention the annual maintenance cost for each equipment on full parts and labor supply basis with an annual breakdown of prices & labor basis for five years after the warranty period. Maintenance cost shall be considered for the bid evaluation	C			
13	If the contract is awarded to supply the quoted equipment the Bidder must transport them to destination indicated in the bid data sheet and shall install and commission them after verifying the specifications to an officer of Biomedical engineering unit of the Department of Health, Central province.	C			
14	The supplier must commission the system and should provide comprehensive on- site training for the staff of the Laboratory	C			
15	User instructions/Technical/Maintenance manuals must be supplied (In English)	C			
16	Model on offer should be demonstrated when requested	C			
17	Should provide a valid document to assure availability of accessories and spare parts for minimum period of 10 years from the date of bid opening and it must be attested by the manufacturer. It should be on the letter head of the Manufacturer and should be signed by a person with proper authority.	C			
Technical Specifications					
1	Bench top	C			
2	Maximum speed of 14,000rpm or more, adjustable	C			
3	Tube capacity should be 0.2/0.5/1.5/2.0 ml x 8. Additional rotor 16x0.5 and 0.2ml tubes.	C			
4	Rotor should be easily removable to be loaded and unloaded inside a biosafety cabinet	C			
5	Pulse and continuous run with timer	C			
6	Door interlock – centrifuge should not be able to start until the lid has been properly closed	C			
7	Should have lid with safety lock. Lid should only be opened once the rotor comes to a complete stop	C			
8	Digital display with time and speed	C			
9	Set speed should be reached with minimal time	C			
10	Motor should be with minimum vibration and noise, even at high speed	C			
11	Body should be made of strong fabricated and corrosion resistant steel	C			
12	Be able to operate at power supply of 220V-230V/50Hz	C			
13	Storage and operating temperature and humidity should be compatible with the standard laboratory environment	C			

¹ Bidder shall fill in Col. 4 & 5

² Purchaser will mark C for critical requirements

³ If the Bidder has marked 'No' for Conformity, bidder shall provide information in this column of his offer against the clause concerned in Col. 2 (Minimum Specifications). If the Bidder has marked 'Yes' Bidder has the option of providing additional information to establish that it conforms to the specifications given

Make & Model: -----

Country of Manufacture: -----

Bidder's signature, Date & Company seal.