



Government of Nepal  
Ministry of Health & Population  
**National Public Health laboratory**  
Teku, Kathmandu, Nepal

## **BIDDING DOCUMENT**

**For**

Procurement of Essential Logistics  
for  
Equipment

**Issued on:**

**Bid Document issued to: 2077/2/12**

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**Slice "1"**

qm=;+=	ljj/Of	kl/dfOf
!=	Real Time PCR	3 Set

**Slice "2"**

qm=;+=	ljj/Of	kl/dfOf
!=	Biosafety Cabinet Class-II Type A2	6 Set
@=	PCR Master Mix Cabinet	6 Set

**Slice "3"**

!=	Refrigerator Centrifuge	3 Set
@=	Microcentrifuge	6 Set
#=	Vortex Mixer	6 Set

**Slice "4"**

qm=;+=	ljj/Of	kl/dfOf
!=	2-8° C Refrigerator	3 Set
@=	-20° C Freezer	3 Set
#=	-80° C Freezer	3 Set

# Table of Contents

## Contents

<b><u>Section I. Invitation for Direct Purchase (IDP).....</u></b>	<b><u>3</u></b>
<b><u>Section II. Conditions of Contract .....</u></b>	<b><u>4</u></b>
<b><u>Section III. Schedule of Requirements.....</u></b>	<b><u>6</u></b>
<b><u>Section IV. Technical Specifications.....</u></b>	<b><u>7</u></b>
<b><u>Section V. Sample Forms.....</u></b>	<b><u>20</u></b>
1. Price Quotation and Price Schedules.....	20
2. Bill of Quantity .....	21
3. Form of Agreement .....	25

## Section I. Invitation for Direct Purchase (IDP)

Name of Supplier/Bidder :

Address of the Supplier:

1. Department of Health Services, Management Division invites Priced Quotations for the supply and delivery of *essential logistics for Covid-19 Virus (N-Corona Virus) Machinery Items*. as detailed in attached Specifications and the Schedule of Requirements provided herein.
2. The Price Quotation submitted by the Bidder shall comprise the following:
  - a. Quotation and Price Schedules
  - b. Schedule of Requirements
  - c. Technical Specifications
3. Priced Quotations must be submitted to the office of *National Public Health Laboratory* on or before 12: 00 Hour **16-Jestha-2077**.
4. The Bidder shall indicate on the Price Schedule the unit prices (where applicable) and total price of the goods to be supplied under the contract. All duties, taxes and other levies payable by the Supplier/Bidder under the contract shall be included in the rates, prices and total Bid Price submitted by the Bidder.
5. Price quoted by the Bidder shall remain fixed and valid until completion of the Contract Performance and will not be subject to variation in any account.
6. Submitted Priced Quotations must remain valid for a period of **15 days** after the deadline for submission date.
7. The Bidder shall furnish, as part of its bid, documents establishing the Supplier's/ Bidder's eligibility to bid and qualification to perform the contract if the bid is accepted. Documents to establish such eligibility shall be but not limited to the following:
  - a) Up to date Firm/Company Registration Certificate
  - b) VAT and PAN Registration Certificates
  - c) Tax Clearance Certificate of FY 2075-76
  - d) Power of Attorney
  - e) Product Catalogue/supporting document
8. The goods supplied under this contract shall conform to the Schedule of Requirements and the standards mentioned in the Technical Specification.
9. If the last date of submission and opening falls on a government holiday then the next working day shall be considered the last day. The price quotation will be opened on **16-Jestha-2077, 13:00 Hour** at **National Public Health Laboratory, Teku, Kathmandu**
10. The Purchaser reserves the right to accept or reject the Sealed Quotations without assigning any reason, whatsoever.

Yours sincerely,

**Director**  
**National Public Health Laboratory,**  
**Teku, Pachali, Kathmandu.**  
**Telephone: +977 1 4252421**

## Section II. Conditions of Contract

- 1. Definitions**

1.1 In this contract, the following terms shall be interpreted as indicated:

"The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form Signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein;

"The Contract Price" means the price payable to the Supplier under the contract for the full and proper performance of its contractual obligation;

"The Goods" means Equipment and related Accessories and spare-parts or any other materials which the Supplier is required to supply to the Purchaser under the contract;

"Services" means services ancillary to the supply of the goods such as transportation and insurance including the installation, commissioning and the operational and maintenance training of the supplied equipment.

"The Purchaser" means the procuring entity purchasing the goods;

"The Supplier" means the organization supplying the goods and services under this contract.
- 2. Technical Specification**

2.1 The goods supplied under this contract shall confirm to the standards mentioned in the Technical Specification.
- 3. Patent Right**

3.1 The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of goods or any part thereof in the Purchaser's country.
- 4. Inspection and Tests**

4.1 The Purchaser or its Representative shall have the right to inspect and/or test the goods to confirm their conformity to the Technical Specification and the quality of performance after the supply and delivery of good to the Purchaser's premises.
- 5. Packing**

5.1 The Supplier shall provide such packing of the goods as is required to prevent their damage or deterioration during transmit to their final destination as indicated in the contract.

5.2 The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage.

5.3 The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided in accordance with international standard and practice.
- 6. Delivery of Goods**

6.1 Delivery of the goods shall be made by the Supplier in accordance with the terms specified by the Purchaser in its Schedule of Requirements.  
Time of delivery of goods is also considered during evaluation.
- 7. Warranty**

7.1 The Supplier warrants that all the goods supplied under the contract shall fully comply with the specification laid down in the contract.

7.2 The warranty shall remain valid for one year after the goods have been delivered to the final destination indicated in the contract, and accepted by the Purchaser after installation and commissioning of equipment by the Supplier.

7.3 The Purchaser shall promptly notify the Supplier in writing of any

claims arising under this warranty.

7.4 Upon receipt of such notice, the Supplier shall, with all reasonable speed, replace the defective goods without cost to the Purchaser. The Supplier will be entitled to remove, at its own risk and cost, the defective goods.

**8. Payment**

8.1 Payment of the goods supplied shall be made in Nepali Rupees after the delivery and installation and commissioning of goods to the satisfaction of the Purchaser.

8.2 Payment shall be made within fifteen (15) days of receipt of the goods and upon submission of claim supported by the acceptance certificate issued by the Purchaser. .

**9. Prices**

9.1 Prices charged by the Supplier for goods delivered under the contract shall not vary from the prices quoted by the Supplier in its price quotation.

**10. Insurance**

The Purchaser will be responsible for taking out any appropriate insurance coverage.

**11. Governing Language**

11.1 The Governing Language shall be: Nepali or English

**12. Applicable Law**

12.1 The applicable law shall be Laws of Nepal.

**13. Notices**

13.1 Purchaser's address for notice purposes: **National Public Health Laboratory, Teku, Kathmandu, Phone: 01-4252421**

13.2 Supplier's address for notice purposes: .....

**14. Taxes and Duties**

14.1 The Supplier shall be entirely responsible for all taxes, duties, licence fees and other such levies imposed by the GoN.

**15. Operation, Maintenance and Spare-parts Manuals**

15.1 According to the specification.

**16. Conduct of Suppliers**

16.1 The Supplier shall be responsible to fulfil his obligations as per the requirement of the Contract Agreement, Bidding documents, GoN's Procurement Act and Regulations.

16.2 The Supplier shall not carry out or cause to carry out the following acts with an intention to influence the implementation of the procurement process or the procurement agreement :

- a. give or propose improper inducement directly or indirectly,
- b. distortion or misrepresentation of facts
- c. engaging or being involved in corrupt or fraudulent practice
- d. interference in participation of other prospective bidders.
- e. coercion or threatening directly or indirectly to impair or harm, any party or the property of the party involved in the procurement proceedings,
- f. collusive practice among bidders before or after submission of bids for distribution of works among bidders or fixing artificial/uncompetitive bid price with an intention to deprive the Purchaser the benefit of open competitive bid price..
- g. contacting the Purchaser with an intention to influence the Purchaser with regards to the bid or interference of any kind in examination and evaluation of the bids during the period after

opening of bids up to the notification of award of contract

- 17.Blacklisting Supplier** 17.1 The GoN, Public Procurement and Monitoring Office(PPMO) may blacklist a Supplier for his conduct up to three years on the following grounds and seriousness of the act committed by the supplier:
- if it is proved that the supplier committed acts pursuant to the Sub - clause 16.2,
  - if it is proved later that the supplier had committed substantial defect in implementation of the contract or had not substantially fulfilled his obligations under the contract or the completed work is not of the specified quality as per the contract ,
  - if convicted by a court of law in a criminal offence which disqualifies the supplier from participating in the contract.
- 17.2 A Supplier declared blacklisted and ineligible by the GON shall be ineligible to bid for a contract during the period of time determined by PPMO.

- 18. Dispute Resolution** 18.1 Any dispute arising out of the Contract, which cannot be amicably settled between the parties, shall be referred to adjudication.

### **Section III.Schedule of Requirements**

#### **Slice-"1"**

S.N.	Description	Quantity	Place of Delivery	Delivery schedule	Suppliers Offer
1.	Real Time PCR	3 Set	NPHL	With in 30 day from the date of contract signature	

#### **Slice- "2"**

S.N.	Description	Quantity	Place of Delivery	Delivery schedule	Suppliers Offer
1.	Biosafety Cabinet Class-II Type A2	6 Set	NPHL	With in 30 day from the date of contract signature	
2.	PCR Master Mix Cabinet	6 Set	NPHL		

#### **Slice- "3"**

S.N.	Description	Quantity	Place of Delivery	Delivery schedule	Suppliers Offer
1.	Refrigerator Centrifuge	3 Set	NPHL	With in 30 day from the date of contract signature	
2.	Microcentrifuge	6 Set	NPHL		
3.	Vortex Mixer	6 Set	NPHL		

**Slice- "4"**

S.N.	Description	Quantity	Place of Delivery	Delivery schedule	Suppliers Offer
1.	2-8° C Refrigerator	3 Set	NPHL	With in 30 day from the date of contract signature	
2.	-20° C Freezer	3 Set	NPHL		
3.	-80° C Freezer	3 Set	NPHL		

**Section IV. Technical Specifications**

**Real Time PCR Thermal Cycler (Slice 1, S.No.1)**

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	<b>Real Time PCR Thermal Cycler</b>				
	<b>Manufacturer</b>				
	<b>Brand</b>				
	<b>Type/Model</b>				
	<b>Country of Origin</b>				
<b>1</b>	<b>Description of Function</b>				
1.1	Real Time PCR is an instrument that employs precise temperature control and rapid temperature changes to conduct the polymerase chain reaction (PCR) with Real-time amplification of DNA/RNA from purified samples.				
<b>2</b>	<b>Operational Requirements</b>				
2.1	Real Time PCR Thermal Cycler system with complete accessories.				
<b>3</b>	<b>System Configuration</b>				
3.1	Real Time PCR Thermal Cycler system.				
<b>4</b>	<b>Technical Specifications</b>				
4.1	<b>Thermal Cycle System:</b> Peltier based 96 well format and touch screen system is preferable.				
4.2	<b>Optical System:</b> CCD Camera or CMOS Camera with halogen lamp or equivalent excitation system				
4.3	<b>Calibrated Dyes system:</b> Must have atleast FAM, SYBR Green, VIC, Cy5 and ROX.				
4.4	<b>Additional Dyes:</b> provision for additional dye calibration and application.				
4.5	<b>Excitation Plexing:</b> Must have minimum 5 plexing (multi-plex).				
4.6	Must have atleast 6 excitation filtered LEDs.				
4.7	<b>Reaction Volume:</b> 5-50 micro liter				
4.8	<b>Sensitivity:</b> detection of template as low as one to two copy in a reaction .				
4.9	<b>Run time:</b> 25- 70 minutes				
4.10	<b>Sample Format:</b> 96-well plates,8 tube strips and 0.2 ml tube capacity.				
4.11	<b>Temperature Accuracy:</b> ±0.5 of set-point/displayed temperature.				
4.12	<b>Temperature Uniformity:</b> ± 0.40 °C				
4.13	<b>Temperature range:</b> 0-100 °C				
4.14	<b>Maximum Ramp rate:</b> 5 °C/sec or more.				
4.15	<b>Average sample ramp:</b> 3.66°C/sec				



4.16	<b>Consumables:</b> 0.2 ml PCR tubes, 8 tube strips, 96 well plates				
4.17	System shall have USB communication interface				
4.16	<b>Notebook PC/Laptop Configuration:</b> CPU pentium core i3, 2.7 GHz or above; minimum 3 GB RAM; minimum 500 GB Hard Disk Drive; High Speed DVD R/W; Keyboard (IOS), Mouse and Mouse Pad; Preloaded latest <b>MS Windows Versions activated;</b> Monitor size 19” or higher; latest anti-virus with one year validity.				
<b>5</b>	<b>Accessories, Spares and Consumables</b>				
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
<b>6</b>	<b>Operating Environment</b>				
6.1	UPS Backup of suitable rating for at least 30 minutes to be supplied for the entire system				
6.2	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.				
6.3	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plugs to meet purchaser’s country requirements. The power cable must be minimum 3 metres long.				
<b>7</b>	<b>Standards and Safety Requirements</b>				
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007				
7.2	European CE or USFDA approved product certificate. Self Declared CE product certificate not valid.				
<b>8</b>	<b>User Training</b>				
8.1	Must provide user training (including how to use and maintain the equipment).				
<b>9</b>	<b>Warranty</b>				
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				
<b>10</b>	<b>Maintenance Service During Warranty Period</b>				
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
<b>11</b>	<b>Installation and Commissioning</b>				
11.1	Supplier must accomplish proper installation & commissioning on site.				
<b>12</b>	<b>Documentation</b>				
12.1	User (Operating) manual in English.				
12.2	Service (Technical / Maintenance) manual in English.				
12.3	List of important spare parts and accessories with their part number and costing.				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.

**BSC Class II type A2 (Slice-2, S.No.1)**

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	<b>BSC Class II type A2 (2x4ft internal)</b>				
	<b>Manufacturer</b>				
	<b>Brand</b>				
	<b>Type / Model</b>				
	<b>Country of Origin</b>				
<b>1</b>	<b>Description of Function</b>				
1.1	BSC Class II used for safely working with materials contaminated with (or potentially contaminated with) pathogens requiring a defined biosafety level.				
<b>2</b>	<b>Operational Requirements</b>				
2.1	BSC Class II ensuring both the safety of sample and environment.				
<b>3</b>	<b>System Configuration</b>				
3.1	BSC Class II type with complete accessories.				
<b>4</b>	<b>Technical Specifications</b>				
4.1	Main Control: Full Digital Microprocessor based monitoring system with touch Pad.				
4.2	Winding Velocity: 0.30 - 0.50m/s approx.				
4.3	Display: Display Back Light LCD Digital Display.				
4.4	Main filter: HEPA filter/0.3 micron 99.99% efficiency.				
4.5	Working Table: Easy removable plate.				
4.6	Material: Stainless steel SUS 304.				
4.7	Cabinet: stainless steel plate with powder coating.				
4.8	Air Recirculation: 30% (out), 70 % ( recirculation).				
4.9	Door: Toughened Safety glass.				
4.10	Shall have internal dimension approx.(2x4ft internal).				
<b>5</b>	<b>Accessories, spares and consumables</b>				
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
<b>6</b>	<b>Operating Environment</b>				
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.				
6.2	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements. The power cable must be minimum 3 metres long.				
<b>7</b>	<b>Standards and Safety Requirements</b>				
7.1	This unit shall be certified to meet ISO 9001 and/or ISO 14971 and/or ISO 13485 and/or 12469 and/or ISO 14644-1. <b>AND</b>				
7.2	Must submit CE/USFDA approved product certificate.				
<b>8</b>	<b>User Training</b>				
8.1	Must provide user training (including how to use and maintain the equipment).				
<b>9</b>	<b>Warranty</b>				
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				

<b>10</b>	<b>Maintenance Service during Warranty Period</b>				
10.1	During warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
<b>11</b>	<b>Installation and Commissioning</b>				
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.				
<b>12</b>	<b>Documentation</b>				
12.1	User (Operating) manual in English				
12.2	Service (Technical / Maintenance) manual in English				
12.3	List of important spare parts and accessories with their part numbers and costing.				
12.4	Certificate of calibration and inspection from factory.				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.

### PCR Master Mix Cabinet (Slice-2, S.No.2)

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet	Page No. in Catalogue	Remarks
	<b>Manufacturer</b>			
	<b>Brand</b>			
	<b>Type/Model</b>			
	<b>Country of Origin</b>			
<b>1</b>	<b>Description of Function</b>			
1.1	PCR master mix cabinet creates an ideal environment for preparing PCR and other samples by reducing the chance of sample contamination.			
<b>2</b>	<b>Operational Requirements</b>			
2.1	PCR Master Mix cabinet system with complete accessories for PCR sample preparation.			
<b>3</b>	<b>System Configuration</b>			
3.1	PCR Master Mix cabinet system with digital display.			
<b>4</b>	<b>Technical Specifications</b>			
4.1	Shall have compact cabinet for suitable tabletop work place.			
4.2	Must have HEPA filter with efficiency of 99.99% at 0.3 micron.			
4.3	Laminar Airflow Velocity : 0.3m/s			
4.4	Accommodate for necessary PCR equipments: auto-pipette and holder, reagent bottle, pipette box etc.			
4.5	UV lamp with timer setup for a safe and efficient decontamination.			
4.6	External lighting, with automatic shut-off system during UV lamp decontamination.			

4.7	Internal Dimension (L x W x H): : 1200 x 500 x 500 mm approx.			
<b>5</b>	<b>Accessories, Spares and Consumables</b>			
5.1	All standard accessories, consumables and parts required to operate the equipment, including:			
<b>6</b>	<b>Operating Environment</b>			
6.1	The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.			
6.2	Power supply: 220/2240V, 50/60HZ			
<b>7</b>	<b>Standards and Safety Requirements</b>			
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007 AND CE approved product certificate.			
<b>8</b>	<b>User Training</b>			
8.1	Must provide user training (including how to use and maintain the equipment).			
<b>9</b>	<b>Warranty</b>			
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC			
<b>10</b>	<b>Maintenance Service During Warranty Period</b>			
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.			
<b>11</b>	<b>Installation and Commissioning</b>			
11.1	Supplier must accomplish proper installation & commissioning on site.			
<b>12</b>	<b>Documentation</b>			
12.1	User (Operating) manual in English.			
12.2	Service (Technical / Maintenance) manual in English.			
12.3	List of important spare parts and accessories with their part number and costing.			
Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.				

#### Refrigerated Centrifuge (Slice-3, S.No.1)

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet			Remarks
		Yes	No	Page No. in Catalogue	
	<b>Refrigerated Centrifuge (table top)</b>				
	<b>Manufacturer</b>				
	<b>Brand</b>				
	<b>Type / Model</b>				
	<b>Country of Origin</b>				
<b>1</b>	<b>Description of Function</b>				
1.1	Centrifuges are required in the laboratory to separate various components of Blood for analysis.				
<b>2</b>	<b>Operational Requirements</b>				
2.1	Bench top centrifuge				
<b>3</b>	<b>System Configuration</b>				
3.1	Centrifuge (bench top) with complete accessories.				

<b>4</b>	<b>Technical Specifications</b>				
4.1	Minimum speed: upto 15000 rpm. (approx.)				
4.2	Must be able to spin 48 tubes or more of 1.5/2ml capacity				
4.3	System must have safety features like lid lock.				
4.4	Shall have temperature range from -10 to 40°C.				
4.5	Must have a speed control knob.				
4.6	Angular rotor type.				
<b>5</b>	<b>Accessories, spares and consumables</b>				
5.0	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
<b>6</b>	<b>Operating Environment</b>				
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.				
6.2	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.				
<b>7</b>	<b>Standards and Safety Requirements</b>				
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 <b>AND</b>				
7.2	CE (93/42 EEC Directives) approved product certificate.				
<b>8</b>	<b>User Training</b>				
8.1	Must provide user training (including how to use and maintain the equipment).				
<b>9</b>	<b>Warranty</b>				
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				
<b>10</b>	<b>Maintenance Service During Warranty Period</b>				
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
<b>11</b>	<b>Installation and Commissioning</b>				
11.1	Supplier must accomplish proper installation and commissioning of the equipment on site.				
<b>12</b>	<b>Documentation</b>				
12.1	User (Operating) manual in English				
12.2	Service (Technical / Maintenance) manual in English				
12.3	List of important spare parts and accessories with their part numbers and costing.				
12.4	Certificate of calibration and inspection from factory.				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.

#### MicroCentrifuge (Slice-3, S.No.2)

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	MicroCentrifuge (table top)				
	Manufacturer				
	Brand				
	Type / Model				
	Country of Origin				

<b>1</b>	<b>Description of Function</b>				
1.1	Centrifuges are required in the laboratory to separate various components of Blood for analysis.				
<b>2</b>	<b>Operational Requirements</b>				
2.1	Bench top centrifuge				
<b>3</b>	<b>System Configuration</b>				
3.1	Centrifuge (bench top) with complete accessories.				
<b>4</b>	<b>Technical Specifications</b>				
4.1	Shall have Upto 7000 rpm. (approx.)				
4.2	Must be able to spin minimum 2 PCR strip or more with 1.5/2ml eppendorf slot adapter.				
4.3	System must have safety features like lid lock.				
<b>5</b>	<b>Accessories, spares and consumables</b>				
5.2	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
<b>6</b>	<b>Operating Environment</b>				
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.				
6.2	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.				
<b>7</b>	<b>Standards and Safety Requirements</b>				
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 <b>AND</b>				
7.2	CE (93/42 EEC Directives) approved product certificate.				
<b>8</b>	<b>User Training</b>				
8.1	Must provide user training (including how to use and maintain the equipment).				
<b>9</b>	<b>Warranty</b>				
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				
<b>10</b>	<b>Maintenance Service During Warranty Period</b>				
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
<b>11</b>	<b>Installation and Commissioning</b>				
11.1	Supplier must accomplish proper installation and commissioning of the equipment on site.				
<b>12</b>	<b>Documentation</b>				
12.1	User (Operating) manual in English				
12.2	Service (Technical / Maintenance) manual in English				
12.3	List of important spare parts and accessories with their part numbers and costing.				
12.4	Certificate of calibration and inspection from factory.				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.

**Vortex mixer (Slice-3, S.No.3)**

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	<b>Vortex Mixer</b>				
	<b>Manufacturer</b>				
	<b>Brand</b>				
	<b>Type / Model</b>				
	<b>Country of Origin</b>				
<b>1</b>	<b>Description of Function</b>				
1.1	Vortex mixer is a laboratory device used to mix small vials of liquid.				
<b>2</b>	<b>Operational Requirements</b>				
2.1	Vortex Mixer with complete accessories.				
<b>3</b>	<b>System Configuration</b>				
3.1	Vortex Mixer with complete accessories.				
<b>4</b>	<b>Technical Specifications</b>				
4.1	Minimum speed: 2000rpm. (approx.)				
4.2	Must be able to spin in circular orbital for effective vortexing at any speed.				
	Option of two speeds is preferable.				
4.3	Shall have touch or continuous operating mode.				
<b>5</b>	<b>Accessories, spares and consumables</b>				
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
<b>6</b>	<b>Operating Environment</b>				
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.				
6.2	Power supply: 220 - 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 meter in length.				
<b>7</b>	<b>Standards and Safety Requirements</b>				
7.1	Must submit ISO 9001 or ISO 13485:2003/AC:2007 <b>AND</b>				
7.2	CE (93/42 EEC Directives) approved product certificate.				
<b>8</b>	<b>User Training</b>				
8.1	Must provide user training (including how to use and maintain the equipment).				
<b>9</b>	<b>Warranty</b>				
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				
<b>10</b>	<b>Maintenance Service During Warranty Period</b>				
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
<b>11</b>	<b>Installation and Commissioning</b>				
11.1	Supplier must accomplish proper installation and commissioning of the equipment on site.				
<b>12</b>	<b>Documentation</b>				
12.1	User (Operating) manual in English				
12.2	Service (Technical / Maintenance) manual in English				
12.3	List of important spare parts and accessories with their part numbers and costing.				

12.4 Certificate of calibration and inspection from factory.

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.

**Refrigerator (Slice-4, S.No.1)**

S.N.	Purchaser' Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	<b>Refrigerator</b>				
	<b>Manufacturer</b>				
	<b>Brand</b>				
	<b>Type/Model</b>				
	<b>Country Of Origin</b>				
<b>1</b>	<b>Description of Function</b>				
1.1	Laboratory Refrigerator is used to store samples, reagents etc. under controlled temperature conditions.				
<b>2</b>	<b>Operational Requirements</b>				
2.1	Refrigeration system: CFC-free refrigerant cooling system, 220-240V/ 50 Hz				
2.2	Capacity of storage: Minimum 240L				
2.3	Compartment: Double Door compartment [(refrigeration at 2-8 °C ), separate Freezer compartment]				
<b>3</b>	<b>System Configuration</b>				
3.1	The system consists of: Double Door Refrigerator for reagent of minimum capacity 240L				
<b>4</b>	<b>Technical Specifications</b>				
4.1	Interior light to operate when door is opened.				
4.2	Shall have door locking facility.				
4.3	Adjustable shelves. (Min. 3)				
4.4	Low energy consumption.				
4.5	Noise Level: Maximum 65dB				
<b>5</b>	<b>Accessories, spares and consumables</b>				
5.1	Accessories: Digital Thermometer-1				
5.2	All standard accessories / consumables/parts required for the proper operation of the above item shall be included in the offer.				
5.3	Inbuilt or External Voltage corrector/stabilizer of appropriate ratings should be supplied: Mains electric, over-voltage protection unit. Unit is to disconnect power supply if it exceeds 110% of nominal mains line voltage, and automatically reconnect when voltage returns to nominal levels.				
<b>6</b>	<b>Operating Environment</b>				
6.1	The product offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, Humidity, etc.				
6.2	Power input to be 220-240VAC, 50Hz fitted with appropriate plug. The power cable must be minimum 3 metres long.				
<b>7</b>	<b>Standards and Safety Requirements</b>				
7.1	Must be compliant to ISO 9001 applicable to manufacturers.				
<b>8</b>	<b>User Training</b>				
8.1	Not applicable.				
<b>9</b>	<b>Warranty</b>				



9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				
<b>10</b>	<b>Maintenance Service During Warranty Period</b>				
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
<b>11</b>	<b>Installation, Inspections and Commissioning</b>				
11.1	Must supply preassembled unit, ready to use.				
11.2	Inspections to verify the compliance of the offered equipment as per specifications will be conducted by the technical team appointed by the purchaser.				
<b>12</b>	<b>Documentation</b>				
12.1	User (Operating) and Service (Technical/Maintenance) manuals to be supplied in English.				
12.2	List of important spare parts and accessories with their part numbers and costing.				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.

**Laboratory Freezer (-20 °C) (Slice-4, S.No.2)**

SN	Purchaser's Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	<b>Laboratory Freezer (-20 °C)</b>				
	<b>Manufacturer</b>				
	<b>Brand</b>				
	<b>Type/Model</b>				
	<b>Country of Origin</b>				
<b>1</b>	<b>Description of Function</b>				
1.1	Deep Freezers or Laboratory freezers are required to preserve blood and blood products, vaccines, plasma etc. at specified temperatures.				
<b>2</b>	<b>Operational Requirements</b>				
2.1	Microprocessor controlled frost-free Freezer				
<b>3</b>	<b>System Configuration</b>				
3.1	Ultra Low Deep Freezer (-20 °C), Vertical type.				
<b>4</b>	<b>Technical Specifications</b>				
4.1	A microprocessor controlled upright -20 °C deep freezer				
4.2	Capacity: Approx 260 liters.				
4.3	Freezer construction:				
	Outer panels and interior panels shall be made of corrosion resistant material, preferably stainless steel.				
4.4	Door:				
	Locking door supplied with minimum two keys.				
4.5	Castors:				
	High quality lockable castors for easy mobility.				
4.6	Trays:				
	Adjustable trays/racks (preferably stainless steel) with perforated design. (Bidder to indicate the number of tray/racks offered.)				
4.8	Alarm:				

	Audio-visual high & low temperature, door open/lock alarm.				
4.9	To be supplied complete with:				
	Mains electric, voltage stabilizer unit. Unit is to stabilize power supply, along with UPS minimum 1 hour backup.				
<b>5</b>	<b>Accessories, spares and consumables</b>				
5.1	All standard accessories, consumables and parts required to operate the equipment, including all standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must specify the quantity of every item included in their offer (including items not specified above).				
<b>6</b>	<b>Operating Environment</b>				
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, S.N. Purchaser's Specifications, Humidity, etc.				
6.2	Power supply: 220–240VAC, 50Hz fitted with appropriate plug type D round 3 pins. The power cable must be at least 3 metre in length.				
<b>7</b>	<b>Standards and Safety Requirements</b>				
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007 AND				
7.2	CE or USFDA approved product certificate.				
<b>8</b>	<b>User Training</b>				
8.1	Must provide user training (including how to use and maintain the equipment).				
<b>9</b>	<b>Warranty</b>				
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				
<b>10</b>	<b>Maintenance Service During Warranty Period</b>				
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
<b>11</b>	<b>Installation and Commissioning</b>				
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.				
<b>12</b>	<b>Documentation</b>				
12.1	User (Operating) manual in English and/or				
	Service (Technical / Maintenance) manual in English				
12.2	List of important spare parts and accessories with their part numbers and costing available in stock with the supplier.				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.

**Laboratory Deep Freezer (-80 °C) (Slice-4, S.No. 3)**

SN	Purchaser's Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	<b>Laboratory Deep Freezer (-80 °C)</b>				
	<b>Manufacturer</b>				
	<b>Brand</b>				
	<b>Type/Model</b>				
	<b>Country of Origin</b>				
<b>1</b>	<b>Description of Function</b>				
1.1	Deep Freezers or Laboratory freezers are required to preserve blood and blood products, vaccines, plasma etc. at specified temperatures.				
<b>2</b>	<b>Operational Requirements</b>				
2.1	Microprocessor controlled deep Freezer				
2.2	User friendly, non-CFC refrigerant				
<b>3</b>	<b>System Configuration</b>				
3.1	Ultra Low Deep Freezer (-80 °C):				
	CFC free refrigerant				
	Microprocessor controlled				
	Alarm facility				
<b>4</b>	<b>Technical Specifications</b>				
4.1	A microprocessor controlled -80 °C deep freezer.				
4.2	Capacity: Minimum 250 litres.				
4.3	Refrigeration system:				
	CFC-free refrigerant cooling system				
4.4	Freezer construction:				
	Outer panels and interior panels shall be made of corrosion resistant material, preferably stainless steel.				
4.5	Door:				
	Locking door supplied with minimum two keys.				
4.6	Insulation:				
	High density polyurethane foam.				
4.7	Castors:				
	High quality lockable castors for easy mobility.				
4.8	Trays:				
	Adjustable trays (preferably stainless steel) with perforated design.				
	(Bidder to indicate the number of tray offered.)				
4.9	Alarm:				
	Audio-visual high & low temperature, door open/lock alarm.				
4.1	To be supplied complete with:				
	Mains electric, over-voltage protection unit. Unit is to disconnect power supply if it exceeds 110% of nominal mains line voltage, and automatically reconnect when voltage returns to nominal levels. And UPS up to 1 hour backup.				
<b>5</b>	<b>Accessories, spares and consumables</b>				
5.1	All standard accessories, consumables and parts required to operate the equipment, including all				

	standard tools and cleaning and lubrication materials, to be included in the offer. Bidders must				
	specify the quantity of every item included in their offer (including items not specified above).				
<b>6</b>	<b>Operating Environment</b>				
6.1	The system offered shall be designed to be stored and to operate normally under the conditions of the purchaser's country. The conditions include Power Supply, Climate, Temperature, S.N. Purchaser's Specifications, Humidity, etc.				
6.2	Power supply: 220–240VAC, 50Hz fitted with appropriate plug type D round 3 pins. The power cable must be at least 3 metre in length.				
<b>7</b>	<b>Standards and Safety Requirements</b>				
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007 AND				
7.2	CE or USFDA approved product certificate.				
<b>8</b>	<b>User Training</b>				
8.1	Must provide user training (including how to use and maintain the equipment).				
<b>9</b>	<b>Warranty</b>				
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC				
<b>10</b>	<b>Maintenance Service During Warranty Period</b>				
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.				
<b>11</b>	<b>Installation and Commissioning</b>				
11.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.				
<b>12</b>	<b>Documentation</b>				
12.1	User (Operating) manual in English and/or				
	Service (Technical / Maintenance) manual in English				
12.2	List of important spare parts and accessories with their part numbers and costing available in stock with the supplier.				

Bidder must completely fill the Technical Specification Form (TSF). Only Yes/no/all complies should not be written. Page number in the catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical committee.

## Section V. Sample Forms

### 1. Price Quotation and Price Schedules

Date:

To: *[name and address of the Purchaser]*

Gentlemen and/or Ladies:

Having examined the Direct Purchase (DP) documents, we the undersigned, offer to supply and deliver *[description of goods and services]* in conformity with the said DP documents for the sum of *[total amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Price Quotation.

We undertake, if our Price Quotation is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

We agree to abide by this price Quotation for a Period of **15** days from the last date fixed for submission of the Price Quotation..

Until a formal Contract is prepared and executed, this Price Quotation, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

We understand that you are not bound to accept the lowest or any Price Quotation you may receive.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_  
*[signature]*

\_\_\_\_\_  
*[in the capacity of]*

Duly authorized to sign Price Quotation for and on behalf of \_\_\_\_\_

## 2. Bill of Quantity

### Slice "1"

Item No.	Description	Unit	Quantity	Unit price (Site Delivery)	Total Price 4×5	In Word	Remark
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
1	Real Time PCR	3 Set					
	Total						
	VAT						
	G Total						

**Slice "2"**

Item No.	Description	Unit	Quantity	Unit price (Site Delivery)	Total Price 4×5	In Word	Remark
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
1	Biosafety Cabinet Class-II Type A2	6 Set					
2	PCR Master Mix Cabinet	6 Set					
	Total						
	VAT						
	G Total						

**Slice "3"**

Item No.	Description	Unit	Quantity	Unit price (Site Delivery)	Total Price 4×5	In Word	Remark
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
1	Refrigerator Centrifuge	3 Set					
2	Microcentrifuge	6 Set					
3	Vortex Mixer	6 Set					
	Total						
	VAT						
	G Total						



**Slice "4"**

Item No.	Description	Unit	Quantity	Unit price (Site Delivery)	Total Price 4×5	In Word	Remark
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>
1	2-8° C Refrigerator	3 Set					
2	-20° C Freezer	3 Set					
3	-80° C Freezer	3 Set					
	Total						
	VAT						
	G Total						

### **3. Form of Agreement**

THIS AGREEMENT made the \_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ between [*name of Purchaser*] (hereinafter called “the Purchaser”) of the one part and [*name of Supplier*] of [*city and country of Supplier*] (hereinafter called “the Supplier”) of the other part:

WHEREAS the Purchaser invited Priced Quotation for certain goods and ancillary services, viz., [*brief description of goods and services*] and has accepted a Price Quotation by the Supplier for the supply of those goods and services in the sum of [*contract price in words and figures*] (hereinafter called “the Contract Price”).

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:
  - a. Price Quotation Form and the Price Schedule submitted by the Supplier;
  - b. The Schedule of Requirements;
  - c. The Technical Specifications;
  - d. The Conditions of Contract; and
  - e. The Purchaser’s Notification of Award.
3. In consideration of the payments to be made by the Purchaser to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Purchaser to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
4. The Purchaser hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the Contract.

IN WITNESS whereof the parties hereto have caused this agreement to be executed in accordance with their respective laws the day and year first above written.

On behalf of the Purchaser

On behalf of the Supplier

Name:

Name:

Designation:

Designation:

Sign:

Sign:

Seal:

Seal: