

For PROPOSAL DOCUMENT

## Procurement of RT-PCR Machine and Lab Equipment with kits, reagents, accessories



Supplier's Name:
Address:
Contact No
Date:



## PCR Machine Lab setup तथा Reagent खरिद सम्बन्धी सूचनमा। प्रकाशित मितिः २०७७।०२।३०

विश्व तथा नेपालमा माहामारीको रुपमा फैलिएको COVID-19 को उपचार, नियन्त्रण तथा प्रतिकार्य का लागि तपसिल अनुसारका उपकरण तथा सामाग्रीहरु हालको आपतकालिन अवस्थामा खरिद गर्नु पर्ने भएकाले इजाजत प्राप्त इच्छुक फर्म वा कम्पनी वा आपूर्तिकर्ताले, आ.व. ०७४/०७६ को कर चुक्ता प्रमाण पत्र, मु.अ.कर दर्ता प्रमाणपत्र तथा इजाजतपत्रको छाँयाकपि सहित यो सूचना प्रकासित भएको मितिले ३ (तीन) दिन (तेस्रो दिनको ४:०० बजे) भित्र चौरजहारी नगरपालिकाको कार्यालयको Website: www.chaurjaharimun.gov.np बाट आर्थिक प्रस्ताव डकुमेन्ट डाउनलोड गरि आपूर्तिकर्ताले आपूर्ति गर्ने उपकरणको स्पेसिफिकेसन र सामान आपूर्ति गर्न लाग्ने समय समेत खुलाई प्रस्ताव कार्यालयको इमेल ठेगाना <u>ito.chaurjaharimun@gmail.com</u> मा पेश गर्नु हुन जानकारी गराईन्छ । सूचनामा माग गरिएको कागजात अनिवार्य रुपमा पेश गर्नु पर्नेछ अन्यथा त्यस्ता प्रस्तावहरु मूल्यांकनमा समाबेश गरिने छैन । यस सम्बन्धमा बिस्तृत जानकारी चाहिएमा उक्त इमेलमा लेखि पठाउनु हुन वा फोन नं. ९८४७८२६११९, ९८४३०३८१८४ मा सम्पर्क गरि जानकारी लिन सकिनेछ।

> राम बहादुर के.सी. नि. प्रमुख प्रशासकिय अधिकृत



#### 1. Price Quotation and PriceSchedules

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 45 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]

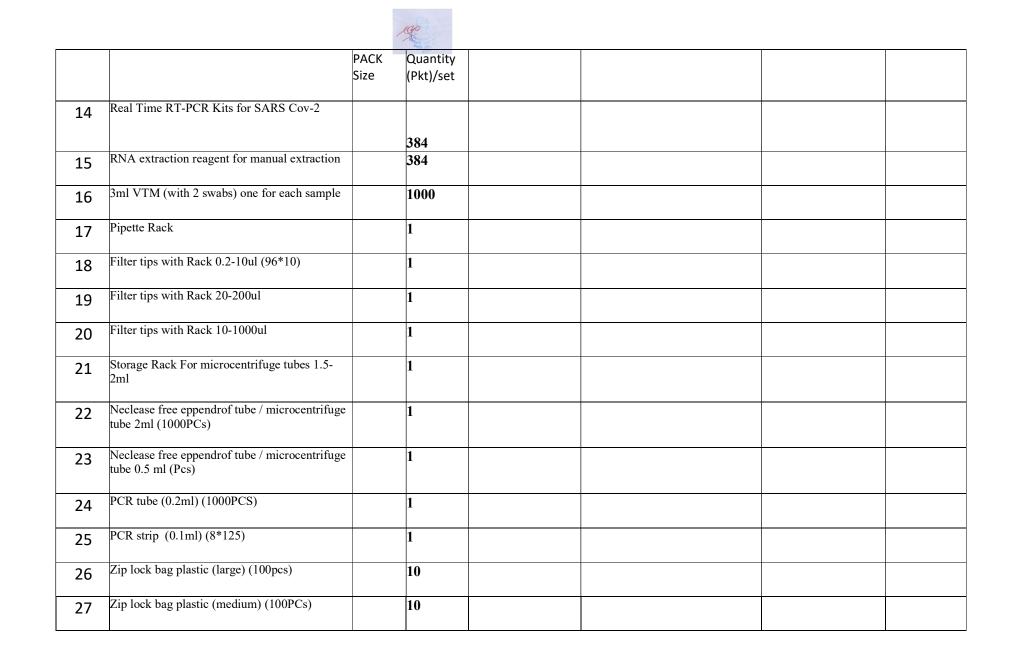
Duly authorized to sign Price Quotation for and on behalf of



#### **RT-PCR Machine and Lab Equipment** with kits, reagents, accessories

# **<u>1. Price Schedule</u>**

S.NO.	Description	Unit	Quantity		Unit Price in NRs.	Total Price	Remark
5.100.	Description	Unit	Quantity	In Figure	In Words	Total Price	Remark
1	RT-PCR Machine	set	1				
2	Bio safety Cabinet Class II		1				
3	PCR Cabinet or Laminar Flow		1				
4	Auto Clave Horizontal		1				
5	Micro Centrifuge (High Speed)		1				
6	Refrigerated Centrifuge (High Speed)		1				
7	Vortex Mixture		1				
8	Freezer -20		1				
	Freezer -80		1				
9							
10	Multi-Channel Pipette		5				
11	Pipette Variable different size (2 each)		10				
12	Spin Centrifuge		1				
13	Supply & Installation of Inverter type(wall mount) Air Conditioner 2 ton with all complete work		4				



		- mo			
28	Autoclavable Biohazard bag (100pcs)	10			
29	Almunium foil	5			
30	falcon tube 15ml	500			
31	Parafilm	2			
32	Cryobox	50			
33	Nitrite gloves-M	10			
34	Analytical Ethanol 99.99% (500ml)	20			
		Total Amount			
		VAT 13%			
	Total Including VAT				
Tot	al Price		(in word		
Bid	der's Name:		Signature of Bidder		
A 11					

Address: .....

Contact No. ....



## Schedule of Requirements

S.NO.	Item	Unit	Place of Delivery	Delivery Schedule	Bidders Offer
	RT-PCR Machine and Lab Equipment with kits, reagents, accessories	Set	Chaurjahari Municipality Chaurjahari 02 Rukum West	Within 10 days from Contract sign.	



## **Evaluation Criteria**

- a) Delivery schedule: Supplier should supply & installation of this package. As per Schedule of Requirement.
- b) Supplier should submit the technical specifications (technical data sheet) of this package with the proposal document.





### 1. Technical specifications Real Time PCR System

S.N.	Purchaser's Specifications	Bidder's Compliance Sheet			
	Real Time PCR System	Yes/N o	Page No. in Catalogue	Remarks	
	Manufacturer:				
	Brand:				
	Type/Model:				
	Country of Origin				
1	Description of Function				
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.				
2	Operational Requirements				
2.1	Real Time PCR Thermal Cycler Mechanism system along with micro centrifuge tubes and PCR tubes.				
3	System Configuration				
3.1	Real Time PCR Thermal Cycler Mechanism system with automatic DNA extraction / detection System				
4	Technical Specifications for Real Time PCR				
4.1	Sample Layout: Should be flexible for the tube input volumes having capability of running at least 72 or 96 samples. System must be rotor based system or plate based system.	1			
4.2	<b>Uniformity:</b> Should have uniform temperature distribution. Should maintain optical detection in all wells for maximum uniformity.				
4.3	<b>HRM:</b> Systemshould have HRM tool with statistical analysis software. Should have high resolution SNP screening capability.				
4.4	<b>Chemistries:</b> Should come with standard chemistries for gene expression, quantification, miRNA, mutation scanning, genotyping, methylation studies etc. Should also be an open system for other kit suppliers.				
4.5	Optical detection: At least 6 filtered Photodiodes				
4.6	Emission: At least 5 targets.				
4.7	Light Source Lifespan: Warranty on light source for minimum 20 years				
4.8	Excitation Multiplexing: Minimum upto 5 targets				
4.9	<b>Reaction Volume:</b> 5 μL - 150 μL				
4.10	Performance Temperature accuracy: ±0.5°C				
4.11	Temperature range: 30°C – 100°C				
4.12	<b>Channels:</b> Real-time PCR cycler and HRM instrument with 5 channels.				



4.13	Detection Device: Photomultiplier Tube (PMT) for higher		
4.14	sensitivity with sensitivity control.		
	Excitation/emission wavelengths range: 450-715nm		
4.15	Dynamic range:10 orders of magnitude		
4.16	Ramping Rate (peak): fast ramping of 5°Cto 10°Øsec		
4.17	Sensitivity: Single copy gene		
4.18	Contamination Protector: The system must have		
	contamination protector so as to avoid DNA carryover		
	contamination.		
4.19	<b>Software:</b> Should have user friendly software for data		
	Analysis		
5	Computer Requirement:		
	Laptop Configuration: Must be supplied with suitable i5 6 <sup>th</sup>		
5.1	Generation, 500GB laptop and printer.		
	Assessming Survey and Consumption		
6	Accessories, Spares and Consumables		
	All standard accessories, consumables and parts required to		
	operate the equipment, including all standard tools and		
6.1	cleaning and lubrication materials, to be included in the		
	offer. Bidders must specify the quantity of every item		
7	included in their offer (including items not specified above).		
/	Operating Environment		
7.1	3KVA online UPS Backup of suitable rating for at least 60 minutes to be supplied for the entire system.		
	The system offered shall be designed to store and to		
7.2	operate normally under the conditions of the purchaser's		
1.2	country. The conditions include Power Supply, Climate,		
	Temperature, Humidity, etc.		
	Power supply: 220-240V/ 50 Hz AC Single phase fitted with		
7.3	appropriate plugs to meet purchaser's country		
	requirements. The power cable must be minimum3 metres		
	long.		
8	Standards and Safety Requirements		
8.1	Must submit ISO 9001 or ISO 13485 for medical devices		
8.2	Must submitFDA/CE &CE-IVD certified approved product certificate.		
8.3	Must submit Validmanufacturer authorization letter.		
<u> </u>	User Training		
5	Must provide user training (including how to use and		
9.1	maintain the equipment).		
10	Warranty		
	Comprehensive warranty for 2 years		
11	Maintenance Service During Warranty Period		



11.1       corrective/breakdown maintenance wheneverrequired.         12       Installation and Commissioning         12.1       Supplier must accomplish proper installation         12.1       Supplication training must be given on site and minimum 10 test to be done in the lab at the time of training and installation         12.2       Application training must be given on site and minimum 10 test to be done in the lab at the time of training and installation         13       Documentation         13.1       User (Operation) manual in English.         13.2       Service (Technical / Maintenance) manual in English.         13.3       List of important spare parts and accessories with their part number and costing.         NOTE: -Bidder must completely fill the Technical specification form(TSF). Only Yes/no/all complies should not be written. Page number in catalogue of all the required parameters must be clearly					1
12       Installation and Commissioning         12.1       Supplier must accomplish proper installation &commissioning onsite.         12.2       Application training must be given on site and minimum 10 test to be done in the lab at the time of training and installation         13       Documentation         13.1       User (Operation) manual in English.         13.2       Service (Technical / Maintenance) manual in English.         13.3       List of important spare parts and accessories with their part number and costing.         NOTE: -Bidder must completely fill the Technical specification form(TSF). Only Yes/no/all complies should not be written. Page number in catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical	11 1				
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13.3       List of important spare parts and accessories with their part number and costing.         NOTE: -Bidder must completely fill the Technical specification form(TSF). Only Yes/no/all complies should not be written. Page number in catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical specification.	13.1	User (Operation) manual in English.			
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NOTE: -Bidder must completely fill the Technical specification form(TSF). Only Yes/no/all complies should not be written. Page number in catalogue of all the required parameters must be clearly mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical	12.2	List of important spare parts and accessories with their part			
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	should not be written. Page number in catalogue of all the required parameters must be clearly				
committee.	mentioned and highlighted. Failure in doing so may lead to rejection of bid from technical				
	comm	ittee.			

# 2. Technical Specification of Biological Safety Cabinet (BSC)

S.N.	Purchaser's Specifications	Bidder's Offer	Yes	No	Pg No of Catalog
	BSC Class II type A2				
	Manufacturer				
	Brand				
	Type / Model				
	Country of Origin				
1	Description of Function				
1.1	BSC Class II used for safely working with materials contaminated with or potentially contaminated with pathogens requiring a defined biosafety level with integrated temperature-compensated airflow monitoring system.				
2	System Configuration				
2.1	BSC Class II type A2 with complete accessories ensuring both the safety of sample and environment.				



3	Technical Specifications		
3.1	External Dimensions (W x D x H) with optional base stand Size: 136*79*220 (cms) Approx.		
3.2	Internal Work Area Dimensions (W x D x H) Size: 116*61*68 (cms) Approx.		
3.3	Tested Opening : 203 mm (8") Approx.		
3.4	Material: Main Body Should be made of mild steel duly epoxy coated powder and inner chamber is totally made of joint less stain less steel 304 grade.		
3.5	Main filter: High-efficiency Particulate Air (HEPA) filter with 99.999% efficiency at 0.3 micron		
3.6	Light and UV Lamp with LED indicator, LCD Display, UV Timer		
3.7	Motorized front window consist of frameless laminated UV resistance shattered proof glass door.		



3.8	Low heat and low energy consumption		
3.9	offering 70% more energy savingsAverage airflow velocity (Inflow) of 0.53		
5.9	m/s (105 fpm) at initial set point		
3.10	Air flow system is 70% air recirculation and		
	30% exhaust.		
3.11	Noise Level: 55 dB Approx.		
3.12	Audio visual alarms		
3.13	Power: 220-240V/ 50 Hz AC with appropriate plug to meet purchaser's country requirements.		
3.14	Normal Power Consumption.		
3.15	Angle arm rest for comfortable working position		
4	Accessories, spares and consumables		
4.1	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).		
5	Operating Environment		
5.1	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.		
5.2	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements.		
6	Standards and Safety Requirements		
6.1	Must submit CE and ISO 14644-1 Class 3 air		
	quality		
7	User Training and Technician Training		
7.1	The Supplier shall conduct onsite and offsite user and Biomedical technician training for this equipment to enable operators and Biomedical technician to use the equipment properly. The training shall include the use of all operational functions of the equipment, as		



	well as routine checks and maintenance				
	expected by users and Biomedical				
	Technician.				
8	Warranty				
8.1	Comprehensive warranty for 2 years.				
9	Maintenance Service during Warranty Period				
9.1	During warranty period supplier must ensure corrective/ breakdown maintenance whenever required.				
10	Transport, Installation and				
10.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel at different 5 laboratories located				
11	Documentation				
11.1	User (Operating) manual in English				
11.2	Service (Technical / Maintenance) manual in English				
11.3	List of important spare parts and accessories with their part numbers				
11.4	Authorization Letter from the Company is must.				
	Note : Bidder must completely fill the Technical Yes/no/all complies should not be written. required parameters must be clearly men so may lead to rejection of bid from techn	. Page num tioned and	ber in the highlighte	catalogue	of all the

# **3.Technical Specification of PCR Cabinet or Laminar flow**

S.N.	Purchaser's Specifications	Bidder's Compliance
	PCR Cabinet or Laminar flow	
	Manufacturer	
	Brand	



	Type / Model	
	Country of Origin	
1	Description of Function	
1.1	PCR cabinet used for safely working with potentially contaminated with pathogens requiring a safety of contamination less work with safety of operator.	
2	System Configuration	
2.1	PCR cabinet with complete accessories ensuring both the safety of sample and environment with interlock function.	
3	Technical Specifications	
3.1	External Dimensions (W x D x H) size : 1500 x 695 x 1700 (mm) approx. or equivalent size.	
3.2	Internal Dimensions (W x D x H) Size: 1400 x 580 x 520 (mm) approx. or equivalent size.	
3.3	Airflow Velocity: $0.2 - 0.5$ m/s with adjustable speed	
3.4	Main filter: High-efficiency Particulate Air (HEPA) filter with 99.999% efficiency at 0.3 micron.	
3.5	Motorized front window consist of frameless laminated UV resistance toughened glass	
3.6	Light and UV Lamp with LED indicator,	
3.7	Illuminating lamp should be LED and Illumination should be≥500Lux.	
3.8	LCD or LED Display.	
3.9	Noise Level: ≤65dB Approx.	
3.10	Material: Work zone should be made of stainless steel, Main body: cold-rolled steel with anti-bacteria powder coating. Power: 220-240V/ 50 Hz AC with appropriate plug to meet	
3.11	purchaser's country requirements.	
4	Accessories, spares and consumables	
4.1	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).	
5	Operating Environment	
5.1	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.	
5.2	Power supply: 220-240V/ 50 Hz AC Single phase fitted with appropriate plug to meet purchaser's country requirements.	



6	Standards and Safety Requirements	
6.1	Must submit CE and ISO 14644-1	
7	User Training	
7.1	Must provide user training to the Staff (including how to use and maintain the equipment).	
8	Warranty	
8.1	Comprehensive warranty for 1 years.	
9	Maintenance Service during Warranty Period	
9.1	During warranty period supplier must ensure corrective/ breakdown maintenance whenever required.	
10	Transport, Installation and Commissioning	
10.1	The bidder must arrange for the equipment to be installed and commissioned by certified or qualified personnel.	
11	Documentation	
11.1	User (Operating) manual in English	
11.2	Service (Technical / Maintenance) manual in English	
11.3	List of important spare parts and accessories with their part numbers and costing.	
11.4	Authorization Letter from the Company is must.	

## 4. Technical Specification of Autoclave (50L)

S.N.	Purchaser's Specifications	Bidder's Offer	Deviatio n if any	Page no. of catalogue/ datasheet/ manual
	Autoclave			
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Function			
1.1	Autoclaves are required for sterilizing an object in high temperature and high pressure steam.			
2	Operational Requirements			
2.1	Vertical autoclave, universal basic version for microbiological standard laboratory to sterilize liquids, instruments, glassware, plastic articles or general infectious waste.			



S.N.	Purchaser's Specifications	Bidder's Offer	Deviatio n if any	Page no. of catalogue/ datasheet/ manual
3	System Configuration			
3.1	Autoclave with complete accessories			
4	Technical Specifications			
4.1	Triple walled construction; chamber, door,			
	doorframe, bolts made of corrosion-resistant			
	material and able to prevent stress cracking.			
4.2	Compact, portable easily moveable on non-			
	rusting, non-marking castors from one place to			
	another place. The wheels/castors shall have			
	brakes.			
4.3	Sterilizing			
	For water, culture media,			
	reagents and other fluids. After			
	completion and cooling to a			
	selected temp., air is expelled			
	automatically through the			
	exhaust valve.			
	Sterilizing temp.: 115°C to 135°C			
	Timer: 1 to 300 min.			
	Exhaust temp.: 0°C to 45°C			
4.4	Instrument Sterilizing			
	For flasks, beakers, test tubes,			
	other lab instruments. When			
	completed, the exhaust valve			
	opens and the temp. drops to			
	100°C. Thus, cool down period can be shortened. Suitable for			
	equipment that can withstand sharp drops in pressure and for			
	sterilizing waste.			
	Sterilizing temp.: 115°C to 135°C			
	Timer: 1 to 300 min.			
4.5	Sterilizing/Keep Warm			
7.5	After sterilizing culture media,			
	reagents and other liquids, and			
	cooling down naturally to a			
	selected temp., air is expelled			
	automatically from the exhaust			
	valve. High temp. prevents			
	solidifying.			
	Sterilizing temp.: 115°C to 135°C			
	Timer: 1 to 300 min.			



S.N.	Purchaser's Specifications	Bidder's Offer	Deviatio n if any	Page no. of catalogue/ datasheet/ manual
	Exhaust temp.: 0°C to 45°C			
	Incubation temp.: 45°C to 60°C			
4.6	Melting/Keep Warm			
	To melt or keep culture media at			
	a fixed temp. (This function is not			
	for sterilizing but prevents			
	solidifying).			
	Melting temp.: 60°C to 114°C			
	Timer: 0 to 300 min., 72 hrs.			
	Incubation temp.: 45°C to 60°C			
4.7	Chamber volume: $\geq$ 50 litres.			
4.8	Exhaust tank: 2-liter polyethylene tank			
4.9	Chamber material: SUS304 (Austenitic stainless			
	steel)			
4.10	Keep warm timer: 72 Hrs. Fixed			
4.11	Program Timer: 1 week (Designation: Year,			
	month, day, hour and minute)			
4.12	Fast safety lid lock.			
4.13	Lid lock by a circumferential, durably heat- and			
	pressure-resistant seal.			
4.14	Control lock-out switch that prevents starting a			
	cycle if the door is not locked safely.			
4.15	Control that prevents opening the door until			
	chamber is depressurized.			
4.16	Temperature-dependent door-locking system			
	according to international standard.			
4.17	Maximum operating pressure: 0.240MP bar.			
	Maximum operating temperature: 135 <sup>o</sup> C			
4.18	Sterilisation timer: 1–300 minutes.			
4.19	Instrument sterilization timer: up to 72 hours.			
4.20	Melting timer: 1–300 minutes.			
4.21	Exhaust valve open temperature setting			
4.22	Microcomputer control system.			
4.23	The control panel to be mounted so that the			
	components sensitive to steam and heat are			
	protected.			
4.24	display showing:			
	• temperature			
	• steam pressure			
	• sterilization time			
	• stage of cycle			



S.N.	Purchaser's Specifications	Bidder's Offer	Deviatio n if any	Page no. of catalogue/ datasheet/ manual
	alarm information			
4.25	Lid interlock.			
4.26	Alarm: audible, with display on dysfunction.			
4.27	All information on alarm to be in full writing			
	and not based on a code.			
4.28	Safety devices: Pressure safety valve, over-			
	temperature limiter, anti-scorch limiter, door			
	interlock, over-pressure limiter, current fuse			
4.29	Pressure vessel type: Small-scale pressure vessel			
4.30	A manual control that can run a complete cycle			
	manually in case of system failure.			
5	Accessories, spares and consumables			
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).			
6	Operating Environment			
6.1	The system offered must be designed to store			
	and be operated normally under the condition of			
	the purchaser's Country. The conditions include			
	Power supply, Climate, temperature and relative			
	humidity.			
6.2	Power supply: 220-240V/ 50 Hz AC Single			
	phase or 380-400V AC 50 Hz Three phase fitted			
	with appropriate plugs to meet purchaser's			
	country requirements. The power cable must be			
	minimum 3 metres long			
7	Standards and Safety Requirements			
7.1	Must submit ISO 9001 and CE			
8	User Training			
8.1	Must provide user training (including how to use			
	and maintain the equipment).			
9	Warranty			
9.1	Comprehensive warranty for 1 years.			
10	Maintenance Service during Warranty Period			
10.1	During warranty period supplier must ensure			
	corrective/breakdown maintenance whenever			
	required.			



S.N.	Purchaser's Specifications	Bidder's Offer	Deviatio n if any	Page no. of catalogue/ datasheet/ manual
11	Installation and Commissioning			
11.1	The bidder must arrange for the equipment to be			
	installed by certified or qualified personnel; any			
	prerequisites for installation to be communicated			
	to the purchaser in advance, in detail.			
12	Documentation			
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.			
12.4	Certificate of calibration and inspection from			
	factory.			

S.N.	Purchaser's Specifications	Bidd	er's Complianc	e Sheet
	Micro Centrifuge	Yes/No	Page No. in Catalogue	Remarks
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Function			
1.1	Micro centrifuge is a piece of equipment, generally driven by a motor that puts an object in rotation around a fixed axis, applying force perpendicular to the axis. The centrifuge works using the sedimentation principle. Where the centripetal acceleration is used to separate substances of greater and less density.			
2	<b>Operational Requirements</b>			
2.1	Lightweight and Compact in size.			
3	System Configuration			
3.1	Micro centrifuge with digital display. The centrifuge body is made of high quality steel, stainless steel chamber, safe			

### **5.Technical Specification of Micro Centrifuge**



	and reliable.		
4	Technical Specifications		
4.1	Must have Max Speed 16,000 RPM		
4.2	RCF 17940 x g		
4.3	Must be maintenance free brushless motor.		
4.4	Must have Acc / Dec of at least 10 types.		
4.5	LCD display for RCF, Time and Speed.		
4.6	Micro controller based program		
4.7	Hold at least 12 tubes of 1.5 / 2.0 ml.		
4.8	Timer up to 0 ~ 99min 59sec		
4.9	Electric lid lock, super speed, imbalance protection.		
5.0	Noise level shall be less than 55dB		
5	Accessories, spares and consumables		
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.		
6	Operating Environment		
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 - 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.		
7	Standards and Safety Requirements		
7.1	Must submit ISO13485:2003/ AC:2007 AND		
7.2	CE approved product certificate.		
8	User Training		
8.1	Must provide user training (including how to use and maintain the equipment).		
9	Warranty		
9.1	Comprehensive warranty for 1 years after acceptance.		
10	<b>Maintenance Service During Warranty Period</b>		
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.		
11	Installation and Commissioning		
11.1	Supplier must accomplish proper commissioning of the equipment on site.		
12	Documentation		
12.1	User (Operation) 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.		

## 6.Technical Specification of Refrigerated Centrifuge

S.N.	Purchaser's Specifications	Bidde	er's Complianc	e Sheet
	Refrigerated Centrifuge	Yes/NO	Page No. in Catalogue	Remarks
	Manufacturer			
	Brand			
	Type / Model			
	Country of Origin			
1	Description of Function			
1.1	Centrifuges are required in the Laboratory to separate various components of Blood and any other liquid sample for analysis.			
2	Operational Requirements			
2.1	Refrigerated centrifuge is melt housing, safe & compact, it is of microprocessor control, less noise & fast cooling			
2.2	Table top version, maintenance free brushless motor.			
3	System Configuration			
3.1	Centrifuge complete with Swing out or angle rotors.			
4	Technical Specifications			
4.1	Tube Capacity :No. 12 :Size 1.5 – 2 ml			
4.2	Must be micro controller based program.			
4.3	Must have LCD display for RCF, time and speed.			
4.4	Must be made of strong fabricated & corrosion resistant steel inside.			
4.5	Timer up to 0 ~ 99hr 59min			
4.6	Must have safe lid lock with insert alarm & over-speed protection			
4.7	Maintenance-free brushless drive motor with exact speed pre selection and display.			
4.8	Max speed 16,000 RPM and Max RCF 17940 $\times$ g with speed accuracy $\pm 20$ RPM			
4.9	Temperature range -20 °C to 40°C			
5.0	Noise level shall be less than 55dB			



5	Accessories, spares and consumables		
5.1	Accessories: 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).		
6	Operating Environment		
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 - 240 VAC, 50Hz fitted appropriate plug. The power cable must be at least 3 metre in length.		
7	Standards and Safety Requirements		
7.1	Must submit ISO13485:2003/ AC:2007 for Medical Devices AND		
7.2	CE (93/92 EEC Directives) approved product certificate.		
8	User Training		
8.1	Must provide user training (including how to use and maintain the equipment).		
9	Warranty		
9.1	Comprehensive warranty for 1 years after acceptance.		
10	Maintenance Service During Warranty Period		
10.1	During the warranty period supplier must ensure planned preventive maintenance (PPM) and corrective/breakdown maintenance whenever required.		
11	Installation and Commissioning		
11.1	The bidder must arrange for the equipment to be installed and commissioned bycertified or qualified personnel; any prerequisites for installation to becommunicated to the purchasers in advance, in detail.		
12	Documentation		
12.1	User (Operation) 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.		
	6		



# 7. Technical Specification of Vortex Mixer

S.N.	Purchasers Technical Specification	Bidder's Offer
	Vortex Mixer	
	Manufacturer :	
	Brand:	
	Model:	
	Country of Origin:	
	Description ofFunction	
1.	A vortex mixer, or vortexer, is a simple device used commonly in laboratories to mix small vials of liquid. Designed for mixing liquids for samples and chemicals.	
2.	<b>Operational Requirements:</b> A vortex mixer with speed changeable from regulator knob provided on control panel.	
3.	<b>SystemConfiguration:</b> Vortex mixer with complete accessories for mixing different tubes and vials.	
4.	<b>TechnicalSpecifications:</b> Shaking Movement should be orbital	
	Orbital diameter should be at least 4 mm	
	Motor type shall be shaded pole motor	
	Permissible ON time shall be 100 % power of 30 mins	
	Speed range shall be from $0 - 2500$ RPM	
	Run type shall be continuous or touch operation	
	Dimension shall	
	Tube adaptor shall have at holes for mixing tubes of 10mm diameter	
	Operation mode selection should be through bi-directional switch	
5.	Accessories, spares and consumables	
	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).	
6.	<b>Operating Environment:</b> 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.         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 meters long.         Certification:         Must submit ISO 13485:2003/AC:2007 for Medical Devices AND         7       CE (93/42 EEC Directives) approved product certificate.         User Training:         The Supplier shall conduct onsite user training for this equipment to         enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.         9       Comprehensive warranty for 1 years after acceptance.         Maintenance Service During Warranty Period:         10       During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.         11       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.         12       User (Operating) manual in English.         Service (Technical / Maintenance) manual in English.       List of important spare parts and accessories with their part number and costing.         Certificate of calibration and inspection from factory.       Certificate of calibration and inspection from factory.			
plug to meet purchaser's country requirements. The power cable must be minimum 3 meters long.         Certification:         Must submit ISO 13485:2003/AC:2007 for Medical Devices AND         7       CE (93/42 EEC Directives) approved product certificate.         User Training:         The Supplier shall conduct onsite user training for this equipment to enable operators to use the equipment properly. The training shall include the use of all operational functions of the equipment, as well as routine checks and maintenance expected by users.         Warranty:         9       Comprehensive warranty for 1 years after acceptance.         Maintenance Service During Warranty Period:         10       During the warranty period supplier must ensure planned preventive maintenance (PPM) along with corrective/breakdown maintenance whenever required.         11       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.         12       User (Operating) manual in English.         Service (Technical / Maintenance) manual in English.       List of important spare parts and accessories with their part number and costing.		include Power Supply, Climate, Temperature, Humidity, etc.	
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whenever required.       Installation and Commissioning:         11       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.         12       Documentation:         12       User (Operating) manual in English.         Service (Technical / Maintenance) manual in English.         List of important spare parts and accessories with their part number and costing.	10		
Installation and Commissioning:         11       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.         12       Documentation:         12       User (Operating) manual in English.         Service (Technical / Maintenance) manual in English.         List of important spare parts and accessories with their part number and costing.			
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Documentation:         12       User (Operating) manual in English.         Service (Technical / Maintenance) manual in English.         List of important spare parts and accessories with their part number and costing.		commissioned by certified or qualified personnel; any prerequisites for	
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costing.		Service (Technical / Maintenance) manual in English.	
		List of important spare parts and accessories with their part number and	
Certificate of calibration and inspection from factory			
		Certificate of calibration and inspection from factory.	

## **8.Technical specification of Deep Freezer (-20 °C)**



	Laboratory Freezer (-20 ° C)	Yes	No	Page No. in Catalogue	Remarks
	Manufacturer:				
	Brand:				
	Type/Model:				
	Country of Origin:				
1	Description of Function				
1.1	Deep Freezers or Laboratory freezers are required to preserve blood and blood products, vaccines, plasma etc. at specified temperatures.				
2	Operational Requirements				
2.1	Microprocessor controlled frost-free Freezer				
3	System Configuration				
3.1	Ultra Low Deep Freezer (-20 <sup>0</sup> C), Vertical type.				
4	Technical Specifications				
4.1	A microprocessor controlled upright -20 0C deep freezer				
4.2	Capacity: Approx 100 litres.				
4.3	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	Castors:				
	High quality lockable castors for easy mobility.				
4.7	Trays:				
	Adjustable trays/racks (preferably stainless steel) with perforated design.				
	(Bidder to indicate the number off tray/racksoffered.)				
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.				
5	Accessories, spares and consumables				



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).		
6	Operating Environment		
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.		
7	Standards and Safety Requirements		
7.1	Must submit ISO 9001 or ISO 13485:2003/AC: 2007 AND		
7.2	CE or USFDA approved product certificate.		
8	User Training		
8.1	Must provide user training (including how to use and maintain the equipment).		
9	Warranty		
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC.		
10	Maintenance Service During Warranty Period		
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.		
11	Installation and Commissioning		
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.		
12	Documentation		
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.		
):	ust completely fill the Technical Specification Form (TSF)	Only Var/ma/all	 1.1



## 9.Technical specification of Laboratory Freezer upright, Low (-80 ° C)

S.N.	Purchaser's Specifications	Bidder's Offer
	Laboratory Freezer upright, Low (-80 ° C)	
	Manufacturer	
	Brand	
	Type/Model	
	Country of Origin	
1	Description of Function	
1.1	Deep Freezers or Laboratory freezers are required to preserve	
	blood and blood products, vaccines, plasma etc. at specified	
	temperatures.	
2	Operational Requirements	
2.1	Microprocessor controlled frost-free Freezers,	
2.2	Separate chamber racks that can be pulled out for easy handling	
2.3	User friendly, non-CFC refrigerant	
3	System Configuration	
3.1	Ultra Low Deep Freezer (-80 °C):	
	• CFC free refrigerant	
	Microprocessor controlled	
	• Alarm facility	
4	Technical Specifications	
4.1	A microprocessor controlled upright -80 °C deep freezer.	
4.2	Capacity: approximately 200 litres or more.	
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	<b>Door:</b> Foam sealed door system or vacuum insulated glass door.	
4.6	Insulation: High density polyure than foam.	
4.7	<b>Castor or wheels:</b> High quality lockable castors or omni wheel for	
	easy mobility.	
4.8	Shelves: 2 shelves must be available	
4.9	Alarm: Audio-visual high & low temperature, door open/lock	
	alarm.	
4.10	Condenser: EBM condenser fan motor.	
5	Accessories, spares and consumables	
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)	
6	(including items not specified above).	
6	Operating Environment	



	Bidder's Offer
The system offered shall be designed to be stored and to operate	
type D round 3 pins. The power cable must be at least 3 metre in	
length.	
Standards and Safety Requirements	
Must submit ISO 9001 or ISO 13485:2003/AC: 2007 AND	
CE (93/42 EEC Directives) approved product certificate.	
User Training	
Must provide user training (including how to use and maintain the	
equipment).	
Warranty	
Comprehensive warranty for 1 years.	
Maintenance Service During Warranty Period	
During the warranty period supplier must ensure	
corrective/breakdown maintenance whenever required.	
Installation and Commissioning	
The bidder must arrange for the equipment to be installed and	
prerequisites for installation to be communicated to the purchaser	
in advance, in detail.	
Documentation	
User (Operating) manual in English	
Service (Technical / Maintenance) manual in English	
List of important spare parts and accessories with their part	
	Standards and Safety RequirementsMust submit ISO 9001 or ISO 13485:2003/AC: 2007 ANDCE (93/42 EEC Directives) approved product certificate.User TrainingMust provide user training (including how to use and maintain the equipment).WarrantyComprehensive warranty for 1 years.Maintenance Service During Warranty PeriodDuring the warranty period supplier must ensure corrective/breakdown maintenance whenever required.Installation and CommissioningThe 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.DocumentationUser (Operating) manual in English

#### **10. Technical Specifications of Micropipette Single and multi channel**

S.	Specification	Required	<b>Bidder's Offer</b>
No.		Quantity	
	Manufacturer:		
	Country of Origin:		
	Model:		
	Brand:		
1	Description of Function		
	Laboratory Micro pipette to use for lab sampling preparation.		
2	Operational Requirements		
	Different size autoclavable micropipette		



3	System Configur	ation		
-	Single channel n			
	8 channel micro	1 1		
4	Technical Specif			
4.1	Single Channel			
	• Fully au	itoclavable		
	Ergonon	nic design provides excellent operating		
	experien			
	• Easy-to-	read volume display		
	• Easy cal	ibration and maintenance		
	<ul> <li>provides</li> </ul>	excellent operating experience		
	_	splay window allows for easy volume		
	identific	ation		
	<ul> <li>Easy cal</li> </ul>	ibration and maintenance		
4.1.1	Micropipette	Single Channel		
		• Capacity: 0.1-2.5 μl	5	
		• Increment: 0.5µl		
		• Inaccuracy%: At 2.5 µl : 2.50, At 1.25 µl :		
		3.00, At 0.25 µl : 12		
		Variable volumes,		
		• fully autoclavable,		
4.1.2	Micropipette	Single Channel	5	
		• <b>Capacity:</b> 0.5-10 μl		
		• Increment: 0.01µl		
		• Inaccuracy%: At 10 μl : 1.00, At 5 μl :		
		1.50, At 1µl : 2.50		
		• Variable volumes,		
		• fully autoclavable,		
4.1.3	Micropipette	Single Channel	5	
		• Capacity: 2-20 μl		
		• Increment: 0.5µl		
		• Inaccuracy%: At 20μl-0.90, At 10 μl-		
		1.20, At 2 µl- 3.00		
		• Variable volumes,		
		• fully autoclavable,		
4.1.4	Micropipette	Single Channel	5	
		• <b>Capacity:</b> 10-100 μl		
		• Increment: 0.1µl		
		• <b>Inaccuracy:</b> At 100 μl ±0.80, At 50 μl		
		±0.50, At 10 µl ±0.30		
		• Variable volumes,		
		• fully autoclavable,		
4.1.5	Micropipette	Single Channel	5	



		C		
		• <b>Capacity:</b> 20-200 μl		
		• Increment: 0.1µl		
		• Inaccuracy%: At 200 μl- 0.60, At 100 μl-		
		0.80, At 20 µl-3.00		
		• Variable volumes,		
		• fully autoclavable,		
4.1.6	Micropipette	Single Channel	5	
		• Capacity: 100-1000 μl		
		• Increment: 5.0µl		
		• Inaccuracy%: At 1000 μl- 0.60, At 500 μl-		
		0.70, At 100 µl- 2.00		
		Variable volumes,		
		• fully autoclavable,		
4.2	8 Channel Pipett			
	• for 96 we	-		
	-	ng head rotates for effortless		
		convenience		
		al piston and tip cone assemblies		
		easy repair and maintenance		
	Compour     performa	nd material-made tip cone secures high sealing		
	-	ble with most universal tip brands		
4.2.1	Micropipette	Multi Channel (8 channel)	5	
	miler opipette	<ul> <li>Capacity: 0.5-10 μl</li> </ul>		
		• Increment: 0.1µl		
		<ul> <li>Inaccuracy%: At 10 μl- 1.50, At 5 μl-</li> </ul>		
		2.50, At 1 $\mu$ l- 4.00		
		<ul> <li>Variable volumes,</li> </ul>		
		<ul><li>fully autoclavable,</li></ul>		
4.2.2	Micropipette		5	
4.2.2	whenopipette	Multi Channel (8 channel)     Consoitu 5 50 ul		
		• Capacity: 5-50 µl		
		• Increment: $0.5\mu$ l		
		• Inaccuracy%: At 50 μl- 1.00, At 25 μl-		
		1.50, At 5 μl- 3.00		
		• Variable volumes,		
-	•	• fully autoclavable,		
5	_	res and consumables		
5 1	All standard acces	ssories to be included in the offer. Bidders must specify ery item included in their offer (including items not		
5.1	the quantity of		i	
5.1		ery nem mended in men offer (mendeling nems not		
	specified above).	· · · ·		
6	specified above). Operating Envir	onment		
	specified above). Operating Envir The system offere	· · · ·		



Standards and Safety Requirements	
Must submit ISO and CE certificates	
User Training	
Must provide user training (including how to use and maintain the equipment).	
Warranty	
Comprehensive warranty for 1 years.	
Maintenance Service during Warranty Period	
During warranty period supplier must ensure corrective/breakdown maintenance whenever required.	
Installation and Commissioning	
The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.	
Documentation	
User (Operating) manual in English	
Service (Technical / Maintenance) manual in English	
Certificate of calibration and inspection from factory.	
	Must submit ISO and CE certificates         User Training         Must provide user training (including how to use and maintain the equipment).         Warranty         Comprehensive warranty for 1 years.         Maintenance Service during Warranty Period         During warranty period supplier must ensure corrective/breakdown maintenance whenever required.         Installation and Commissioning         The bidder must arrange for the equipment to be installed by certified or qualified personnel; any prerequisites for installation to be communicated to the purchaser in advance, in detail.         Documentation         User (Operating) manual in English         Service (Technical / Maintenance) manual in English

S.N.	Purchaser's Specifications		Bidder's (	Compliance Sh	eet
	Spin or Palm Centrifuge	Yes	No	Page No. in Catalogue	Remarks
	Manufacturer				
	Brand				
	Type / Model				
	Country of Origin				
1	Description of Function				
1.1	Centrifuges are required in the laboratory to separate various components of Blood or other sample types for analysis.				
2	Operational Requirements				
2.1	Bench top centrifuge				
3	System Configuration				
3.1	Centrifuge (bench top) with complete accessories.				
4	Technical Specifications				

#### 11. Technical Specification of SPIN/ PALM Centrifuge



4.1	Shall have Upto 7000 rpm. (approx.) fixed speed.		
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.		
5	Accessories, spares and consumables		
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).		
6	Operating Environment		
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 - 240 VAC, 50Hz fitted with appropriate plug. The power cable must be at least 3 metre in length.		
7	Standards and Safety Requirements		
7.1	Must submit ISO 9001 or ISO 13485:2003/ AC:2007 AND		
7.2	CE (93/42 EEC Directives) approved product certificate.		
8	User Training		
8.1	Must provide user training (including how to use and maintain the equipment).		
9	Warranty		
9.1	Comprehensive warranty for 1 year and extra 1 year free AMC		
10	Maintenance Service During Warranty Period		
10.1	During the warranty period supplier must ensure corrective/breakdown maintenance whenever required.		
11	Installation and Commissioning		
11.1	Supplier must accomplish proper commissioning of the		
	equipment on site.		
12			
	equipment on site.		
12	equipment on site. Documentation		
<b>12</b> 12.1	equipment on site. Documentation User (Operation) manual in English		



Ñame of ítem	Purchaser's Specifications	Bidder's Offer/ Statement of Compliance	Deviation if any	Page no. of catalogue/ datasheet/ manual
Purpose	RT-PCR testing (COVID 19)			
Description	Must target at least two genes (E, RdRP, N, ORF 1ab.) should include positive control and internal control for both targets, should be compatible with ABI 7500, Biorad (CFX 96) and rotorgene platforms The kit should include RT PCR enzyme and Buffer Sensitivity atleast 95%			
Other requirements	The manufacturer should be certified by WHO for emergency use			

<b>Real Time</b>	<b>RT-PCR</b>	Kits for	SARS	Cov-2
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Item name	RNA extraction reagent for manual extraction	Bidder's Offer/ Statement of Compliance	Deviation if any	Page no. of catalogue/ datasheet/ manual
Purpose	RNA extraction from swab sample			
Description	Spin column based suitable for manual extraction of body fluid, oro and nasophayringeal swab, blood samples serum or plasma samples. <b>Sample input</b> : Up to 400 microliter <b>Elusion Volume</b> : More than 6 microliter <b>Purity</b> : High quality RNA ready for Real Time PCR Should not require healting step. Extraction steps should not take more tan twenty minutes. Should contain reagents for RNA binding, nonenzymatic lysis (washing and elusión)			
Other requirements	The manufacturer should be certified by WHO or USFDA or CE or should have been listed by USFDA/CDC or WHO for emergency use			

## **RNA extraction reagent for manual extraction**



### Virus Transport Medium (VTM)

Item name	Virus Transport Medium (VTM)	Bidder's Offer/ Statement of Compliance	Deviation if any	Page no. of catalogue/ datasheet/ manual
Purpose	Swab collection (COVID 19)			
Tube Requirements	Suitably prepared sterile media for use in collecting throat and nasal swabs from human. Should contain virus inactivator, should stablized with RNA. Should be contained in airtight plastic tubes with cap. There must be sticker for labeling			
Media volume	1ml or 3ml			
Swab collection sticks	Along with the tubes there should be two swab sticks (one for oropharangeal swab and another for nasophyrangeal swab). There should be provision of break lines to allow to feed into the container. Both the sticks should have fiber acrylic swab. The stick for nasophyrangeal swab should be flexible enough for ease in collection of swab simple from nasopharynx. The tube and stick should have been blistered.			
Others	The item should be CE and USFDA approved.			



#### Other Terms and Conditions of the Proposal:

- (i) The supplier should submit document stating the stock evidence of required quantity or the evidence with purchase order of required quantity in given timeframe.
- (ii) The Supplier should submit ISO, CE or USFDA certificate as mention in Specification of required item.
- (iii) The supplier should quote the price of package item and Hospital evaluates package wise & award the lowest amount of package. Supplier shall quote single or more packages.
- (iv) The supplier should supply the item according to hospital purchase order (partially or fully) as per hospital need. The quantity mention in Price Schedule will be increased or decreased as per hospital need.
- (v) Hospital has right to fully/partially accept or decline the proposal submitted by the supplier.

#### 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:

• In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

• The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

• Price Quotation Form and the Price Schedule submitted by the Supplier;

• The Schedule of Requirements;

• The Technical Specifications;

• The Conditions of Contract and

• The Purchaser's Notification of Award.

• 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 there in inconformity in all respects with the provisions of the Contract.

• 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: