

Baba Farid University of Health Sciences, Faridkot

E-TENDER NOTICE FOR procurement & Installation of Equipments for COVID-19 testing labs (COVID-LAB) at various Institutes/places situated in Punjab on behalf of Govt. of Punjab

E-Tender Form

(E-Tender enquiry for Supply and Installation of Equipments for COVID-19 testing labs (COVID-LAB) at various Institutes/places situated in Punjab on behalf of Govt. of Punjab)

Tender Notification No :	To be provided by the E-procurement portal of the Govt. of Punjab.		
Tender Notification Date:	17.08.2021		
Requirement	E-Tender notice for supply and Installation of Equipments for COVID-19 testing labs (COVID-LAB) at various Institutes/places situated in Punjab on behalf of Govt. of Punjab		
Cost of the tender document:-	Rs.2360/- (including 18% GST) (Non-refundable) to be deposited through Online Mode Only in favor of Registrar, Baba Farid University of Health Sciences, Faridkot.		
Tender Processing Fee	To be charged by Govt. of Punjab as per its norms. (Non- refundable)		
Earnest Money Deposit (EMD)	<p>As per List. The Earnest Money Deposit must be submitted in the shape of Online Payment in favor of Registrar, Baba Farid University of Health Sciences, Faridkot on or before due date (Refundable to the Non-successful bidders, without any type of interest or other charges).</p> <p>In case of successful bidder, it will be returned without any type of charges / interest, after receipt of performance security as per tender terms and conditions.</p>		
Date of start of downloading of tender documents	Immediately from the website of the Punjab Government i.e. https://eproc.punjab.gov.in		
Website for downloading of the tender document:-	https://eproc.punjab.gov.in However, the details may also be obtained from the University website i.e. www.bfuhs.ac.in		
Last date for downloading of the tender document:-	27.08.2021 up to 09.30 am		
Last date & time for uploading of the tender documents:-	27.08.2021 up to 10.00 am (through online mode only)		
Date, time and venue for opening of the Technical Bids	27.08.2021 (at 10.30 a.m.) on the e- procurement portal of the Govt. of Punjab in , Baba Farid University of Health Sciences, Faridkot		
Date, time and venue for opening of the Price Bids	The financial bid will be opened of technically qualified bidders on the e-procurement portal of the Govt. of Punjab in, Baba Farid University of Health Sciences, Faridkot		
Address for the submission :	The Registrar, Baba Farid University of Health Sciences, Sadiq Road, Faridkot (Punjab) PIN-151203..		
Who can be contacted for obtaining more information about the tender.	Sr. No.	Nature of Information	Name of the concerned Official with contact No:-
	1	About the tenders and allied information:-	Incharge, University Procurement & Facility Department, Baba Farid University of Health Sciences, Faridkot. Phone:- 01639-250267, 256232, 256236, Email id:- upfdbfuhs@gmail.com (on all working days from 9.00 a.m. to 5.00 p.m.)

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NOTICE INVITING E-TENDER

E-Tenders are invited on or before **27.08.2021** from manufacturers or their authorized agents/distributors **for supply and Installation of Equipments for COVID-19 testing labs (COVID-LAB) at various Institutes/places situated in Punjab on behalf of Govt. of Punjab.** The tender document containing detailed terms & conditions may be downloaded from the E-procurement website of the Punjab Government i.e. <https://eproc.punjab.gov.in> and its detail may also be seen at the University website www.bfuhs.ac.in.

TERMS AND CONDITIONS:-

1. The tender must be uploaded on or before the last date/ time of the submission of tender.
2. The Tender processing fee should be submitted through Net Banking/Credit card/Online mode only and as per Punjab Govt.
3. The **tenders will be opened online** on the same day at 10.30 AM on the e- procurement portal of the Govt. of Punjab in, Baba Farid University of Health Sciences, Faridkot on the website i.e. <https://eproc.punjab.gov.in> at the, Baba Farid University of Health Sciences, Faridkot. The bidder(s) shall be at liberty to be present, in person or through their authorized representative(s) at the time of opening of the tender as specified in the Tender Notice. In case the authorized representatives are to be present, they must furnish the authority letter from the bidder (s), on whose behalf they are representing otherwise they will not be allowed to participate in the process of opening of tender.
4. **The Price bids of technically qualified bidders will be opened of technically qualified bidders** on the website i.e. <https://eproc.punjab.gov.in> at, Baba Farid University of Health Sciences, Faridkot. In case of any change of date and time it will be notified to the technically qualified bidders through E-mail/telephone.
5. The Registrar reserves all rights to accept or reject any or all the tenders without assigning any reason.

Registrar

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INSTRUCTIONS/ GUIDELINES TO THE TENDERERS

1. The bidder needs to register himself/ herself on <https://eproc.punjab.gov.in> the bidder is also required to obtain Class III digital signature certificates to complete this process.
2. Please download the Tender document from the website of e-procurement of the Govt. of Punjab <https://eproc.punjab.gov.in> Please fill all the relevant blanks on all the pages of the tender document sign along with a stamp/ seal all pages and then a scanned copy of the same may be uploaded on the website at the time of submission of the tender document.
3. **It should be clearly noted that this tender will be accepted though e-tender mode only.** The tenders submitted through offline mode will not be accepted under any circumstances.
4. **Tender Fee :Rs.2000/-** should be deposited through online mode only
5. **Tender Processing Fee:** as per Punjab Govt. (non-refundable) may be deposited through online mode i.e. Net Banking/ Credit Card/ Debit Card only. The tender processing fee will not be accepted through any other mode.
6. **Refundable Earnest Money Deposit (EMD):** *As per list* to be deposited online mode only in favor of Registrar Baba Farid University of Health Sciences, Faridkot.
7. **Upload** signed copy of Technical Bid Compliance Statement (**Annexure-I**).
8. **Upload** an affidavit regarding Non-Black listing as per proforma given at **Annexure-II** duly attested by an Executive Magistrate or a Notary Public.
9. In case the Bidder is Authorized Supplier/Agency, the Authorization Certificate as per the Format given at **Annexure-‘III’** (duly filled in), **to be uploaded.**
10. In case the Bidder is Authorized Supplier/Agency, an undertaking/certificate issued by their Principal Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply of the Instruments then the Principal Manufacturer/Supplier will be responsible for Guarantee/Warranty/CMC of the Equipments/Instruments. (**Annexure – ‘IV’**), **to be uploaded.**
11. **Upload** details of Bank Account for refund of EMD (**Annexure – V**).
12. In addition to this, following **documents are to be uploaded** with Technical Bid:-
 - i) Details of registration as Company /Firm/ Establishment.
 - ii) Equipments should be reputed brand, Certificate of quality standard must be attached.
 - iii) Copy of Certificate of Registration for service Tax/TIN/TAN/PAN/VAT/GST.
 - iv) A certificate from C.A. regarding Annual Turnover with Balance Sheet for the last 3 (three) financial years i.e. 2018-19, 2019-20 & 2020-21.
 - v) Copy of the IT Returns for three financial years i.e. 2018-19, 2019-20 & 2020-21.
13. Price should be quoted and **uploaded** only in Excel Sheet proforma at **Annexure-‘VI’**.

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LIST OF EQUIPMENTS

Sr.	Name of Equipment	Approx. Qty. Reqd.	Earnest Money to be Submitted (in Rs.)
1.	Deep/Ultra freezer -80° C	20	3,00,000.00
2.	Refrigerated centrifuge	20	2,40,000.00
3.	Vertical Autoclaves High Pressure steam sterilizer	20	3,00,000.00
4.	Thermal Mixer	40	96,000.00
5.	Biosafety cabinet	20	3,00,000.00
6.	Spectrometer for RNS quantification	20	4,20,000.00
7.	Deep Freezer (300 L or more capacity) -20° C	20	24,000.00
8.	Magnetic Beads stand compatible for RNA Isolation using Magnetic Beads Technology	80	96000.00
9.	UV sterilizer unit for room sterilization	40	48000.00
10.	Refrigerator	20	12000.00
11.	Vortex	60	27000.00
12.	Micro centrifuge	40	72000.00
13.	Centrifuge/Vortex for PCR plates	20	60,000.00
14.	Complete set of Pipette suitable for RNA isolation & PCR analysis	60	1,20,000.00
15.	MiniSpin	60	1,80,000.00
16.	PCR Work Station	20	60,000.00
17.	Real time PCR	20	8,40,000.00
18.	RNA extractor	20	14,40,000.00

- The quantity may increase /decrease as per requirement.

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TECHNICAL SPECIFICATIONS

Quote Specifications

1. Deep Freezer

1. Vertical Model Ultra-Low Temperature Freezer with minimal temp -80°C to -86°C at ambient atmospheric temperature
2. Internal capacity 500-550 Litres $\pm 5\%$.
3. Should be with cabinet with Vacuum Insulation Panel Technology
4. Sound Pressure Level should be less than 60db.
5. CFC/HCFC free refrigerants
6. Protects against a wide range of voltage variation by power management system.
7. Alarm system to indicate temperature increase or decrease, power failure, door open, high condenser temperature etc.
8. Display of freezer temperature and event log data with touch screen graphic user interface with microprocessor controller
9. Outer door gaskets for maintaining cabinet temperature and eliminating frost build-up
10. Robust stainless steel body with minimum 3 shelves
11. Freezer should be CE, ISO & UL certified with ROHS/WEEE compliant.
12. Heavy duty castors to easily move the freezer to a new position
13. Plug configuration according to local requirements
14. It should perform on electric power supply of 220 - 240 V and 50-60 Hz, AC supply
15. Compliance sheet to be provided and highlighted in the tender
16. Good quality reputed voltage stabilizer (ISO certified) to be supplied with freezer.
17. On off switch and on off alarm should be lockable for safety of accidental shutoff
18. Warm up time (freezer 2/3 full, from -80°C to 0°C of atleast 32 hours or longer.
19. Heated air vent with ice cleaning plunger to prevent vacuum formation thus allowing the door to be quickly and effortlessly opened anytime in the day.
20. Power consumption should be less than equal to 14 KW per day.

2. Refrigerated Centrifuge Specifications

1. Temperature range of -8°C to +40°C
2. Should be quoted with the following rotors:
 - Angle rotor for 30-50 tubes of 1.5-2 ml capacity with rotational speed of 18000-25000 rcf
 - swing out rotor for for 4X (6000-8000 ml) with adaptor for 15 ml and 50 ml tubes with rotational speed of 3000-6000 rcf
 - Plate rotor accommodating 10-12 plates at a time with a speed of 2500-5000 rcf
3. Maximum capacity 1600 ml
4. Should be microprocessor controlled with direct brushless induction maintenance free drive/motor
5. Digital graphic LCD display of time, speed, rcf and temperature
6. Should be with auto lock push button for easy working
7. Should be with precooling function
8. Should have motor overheat protection and imbalance detection
9. Should have automated rotor recognition.
10. Should be CE certified
11. running time 90-100 minutes

Should be supplied with a complete functional unit following accessories as standard

1. Two rotors compatible with 1.5 ml micro centrifuge tubes and 96 well PCR plates
2. Good quality reputed voltage stabilizer to be supplied with centrifuge.
3. The company should be with strong service backup.

3. Vertical Autoclave High Pressure Steam Sterilizer Quote Specifications

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Sr. No.	Main Specification
1.	a) Vertical autoclave, universal basic version for microbiological standard laboratory to sterilize liquids, instruments, glassware, plastic articles or general infectious waste.
	b) Triple walled construction: chamber, basket, door lid, doorframe, bolts made of corrosion-resistant material and able to prevent stress cracking preferably made of high grade stainless steel sheet of SS-304 grade, housing with SS legs.
	c) Pressure vessel should be Hydraulic tested at factory with minimum Hydrostatic Pressure: 2.5 kg/ cm sq. (35 psi).
	d) Working chamber volume: approx. 70-80 liters.
	e) Electrically heated by immersion type heaters bearing ISI mark.
	f) Fast safety lid lock with silicon gasket, it may be radial locking, automatic locking, single lever locking, fly nut assembly mechanism and with heat resistant/safety handle.
	g) Manual water feed system with water level indicator, pressure gauge, steam release cock, spring loaded safety valve, water inlet and water valves.
	h) Working temperature: 121°C, Maximum operating temperature: 134°C (273°F)
	i) Working pressure: 15 PSI, Maximum operating pressure: 2.7 bar or 30 PSI
2.	Automatic Water Cut-off Device – To protect the heaters for running dry and to ensure that the machine is automatically switched off in case the desired water level falls below the prescribed level.
3.	Accessories Should Include:
a)	Stainless steel basket (where 2 fit in autoclave directly plus two spare total 4)
b)	Stainless steel wire basket (where 2 fit in autoclave directly plus two spare total 4)
c)	Chemical indicator tape for sterilization (2)
d)	Biological indicator (100)
e)	Spare heating elements (two)
f)	Fuses (10)
g)	Silicon gaskets (2)
4.	Timer with Alarm System – To regulate the sterilization time of the media to be sterilization with a buzzer, Sterilization Timer: 1-99 minutes. A visual chamber gauge, which easily identifies pressure in the chamber must be accessible to the operator as a backup for reading pressure gauge when no electrical power is available.
5.	Micro-processor Temperature Control System with sensor-with user changeable set temperature and timer option. The microprocessor controls the desired temperature (pressure automatically regulated) by cutting off the current to the heating element automatically and restart the mechanism as required. The control panel to be mounted so that the components sensitive to steam and heat are protected Large LCD display showing: - Chamber Temperature - Sterilization Time - Alarm Information
6.	Alarm – Audible with display on dysfunction and after completion of sterilization cycle. Electrical control box, fitted with toggle switch. Indicating Neon lamps for Autoclave ON/OFF status, heater ON/OFF status. Over-temperature and over-pressure protection limiter.
7.	Electrical requirements - Equipment to work on 230 ± 10 volts single phase, 50 Hz. plug type adopted to local country scenario, Voltage regulator of appropriated rating to be included to cope with 160-260 V. The line cord / Power cord supplied with the equipment shall be of acceptable, durability, length and current carrying capacity complying with Indian Standards.
8.	Remarks - The apparatus should confirm to national or international standards with latest amendments covering Markings, Safety requirements with recommendations of safe operations from any reputed firm with ISO 9001:2000 certification.
9.	Service Under Comprehensive Warranty - Besides activities mentioned in Comprehensive Maintenance Services it includes replacements of part, consumables etc. during the warranty period.
10.	Comprehensive Maintenance Services - it includes following during warranty & CMC Period. <ul style="list-style-type: none"> • Breakdown calls to be attended as and when required. • Preventive Maintenance to be carried out automatically. • Calibration to be done annually during warranty & CMC period for parameters (Temperature

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& Pressure with traceable to National (NABL)/ International Standards) as per manufacturer's instructions / protocol and in case of any major repair / replacement of spare part.

- The bidder should submit price list of parts/consumables (as applicable), which are not covered under standard definition of CMC.

4. Thermal Mixer

1. Should be with fast heat-up and cooling times and quick to reach specific mixing speed
2. Temperature range should be in range of +4°C to 100°C
3. Temperature control should be in range of 15°C below to ambient to 100°C with LCD display
4. Shaking speed should be in range of 250 to 1400 rpm
5. Temperature stability should be with $\pm 0.1^\circ\text{C}$
6. Even mixing across the thermoshaker block
7. Should be with digital timer with sound alarm
8. With heating block 24 X 1.5 ml micro tubes
9. CE certification
10. Maximum noise less than 60 db.

5. Biosafety Cabinet

1. Microprocessor controlled Type A2 Biological Safety Cabinet, with minimum size 5 ft/1.5 M and usable work area 0.71 M² or more
2. With international standard certifications: NSF-49 (certified to be provided)
3. Preferably HEPA H14/ULPA filters at both places where air is exhausted and re-circulated with filter efficiency of 99.99% particles
4. Main body made of single piece (side and back wall) stainless steel (SS304)
5. Front door made of safety (UV) glass, completely tight sealed while closed for complete protection against contamination and protection.
6. Light intensity inside chamber of at least 1000 lux
7. At least one service fixture for gas supply.
8. Backlit LCD Display with filter life display
9. Inbuilt UV lamp with sidewalls made of UV absorbing tempered glass, colorless and transparent: Uv minimum life of 1500 had, auto regulatory mechanism to work only when front panel is closed and must be programmable to allow for specific exposure times of 0-24 hours
10. Stable airflow, despite building voltage fluctuations & filter loading
11. 8.Independent fans for impulsion and exhaust.
12. With average velocity: inflow approx. 0.45 m/s to 0.30 m/s outflow
13. At least two electric sockets inside the chamber- 5 amps & 15 amps
14. Noise level of < 65 dB
15. Vacuum, combustible and water valve should be quoted.
16. Alarms for low exhaust flow, low down flow air velocity, impaired exhaust-fan malfunction and HEPA change

Should be supplied with a complete functional unit following accessories as standard

1. Good quality reputed voltage stabilizer to be supplied with biosafety cabinet.
2. The company should be with strong service backup.
3. With uninterrupted power back for at least 20 minutes
4. With three best quality comfortable ergonomic with alcohol resistant laboratory grade chairs
5. Adjustable foot rest
6. Stainless/PVC steel armrests
7. Adjustable working ergonomically 2 numbered chairs with back rest suitable to work
8. Necessary arrangements will be made by supplier for environmental temperature and humidity control.

6. Spectrometer for RNA quantification

1. Should be with single beam absorption spectrophotometer with reference beam
2. Should be capable of single wavelength measurements or a multi wavelength measurement
3. Should be with sample light path length 8.5 mm or more
4. Should be with smallest step size 1 nm
5. Should be with wavelength range 200 nm to 830 nm (selectable in 1 nm increments)

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6. Easy to read result with table lists the purity ratios (A260/A230 and A260/A280)
 7. Absorption measuring is in range of 0A-3.0A (260nm)
 8. Detector type is of CMOS photodiode array
 9. Xenon flash lamp as light source
 10. With supply of all accessories including cuvettes for measurement of 2 µl sample of DNA/RNA sample (very low sample volume) as well one ml reaction mix.
 11. Standard (s) for safety, UL 61010-1, CAN/CSA-C22.2 No. 61010-1
 12. Integrated self test and calibration history.

Should be supplied with functional unit following accessories as standard

1. With uninterrupted power back for atleast 20 minutes
2. The company should be with strong service backup.

7. Deep Freezer (300 L or more capacity)

1. Should be the temperature up to -20°C/-40°C at AC room
2. Should be with upright models with small foot prints and wheels
3. Hinged air tight single front opening door
4. Unique design of thermal barrier for better energy efficiency
5. Machine filled PUF insulation to eliminate void pockets
6. Adjustable 4 trays atleast
7. CFC free refrigerant and insulation with 70 mm minimum for main body with main body or more for door.
8. Should be with alarm for low or high parameters
9. Sensor fail alarm and with electrical circuit breaker
10. Microprocessor controller with LED display of temperature with set, process value & audiovisual alarm.
11. External body pre painted galvanized sheet and internal body stainless steel
12. Noise level less than 65 db
13. Facility for lock should be available
14. Storage chamber should have temperature display facility

Should be supplied as functional unit with following accessories as standard

1. Racks and Boxes to be supplied for full loaded Freezer
2. Good quality reputed voltage stabilizer to be supplied with Freezer.
3. The company should have strong service backup

8. Magnetic Bead Stand compatible for RNA Isolation using Magnetic Beads Technology

1. Holds: at least 16 standard 1.5 mL microcentrifuge tubes and have numbered spaces (1 to 8 on one side and 9 to 16 on the opposite side) for easy control of your samples.
2. Working volumes: 10–1500 µL.
3. The magnet should be small, easy to handle, and enable efficient magnetic separation of nucleic acids.
4. The design of the holder ensures good visibility of your samples and can be preferably removed from the magnet to allow for washing and vortexing without removing the tubes from the holder during the isolation process (optional).

9. UV Sterilizer Unit for room sterilization

1. UV light of 55w with better sterilization effect at 254 nm wavelength
2. The emits light should spin covering the wall, air and surfaces of the room
3. No chemicals and ozone free
4. With time setting and 1 minute delay start, if possible with powerful remote control
5. No installation required
6. With good built quality
7. Portable in nature means easily move from one location to another
8. Certification, if any.

10. Refrigerator

1. High performance refrigerator that is designed to support sample protection and sustainability for virology, and other laboratory-grade products in the range of 3° to 7°C.
2. Should come in the option of single/double and triple door refrigerators to meet user needs.
3. Should be fit in constraint lab

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4. Transparent glass in door for easily visualize the samples
5. Frost free and with best energy saving rating.
6. With compatible stabilizer.

11. Vortex

1. Should have speed range of 0 to 3000 rpm
2. Should have three position switch allowing continuous operation or touch activation
3. Should have heavy rubber feet to prevent sliding
4. Should work in temperature range of 4 to 65C
5. Should have flat head dimpled adaptor with tube adaptor
6. With multiple sample starter set and most suitable to accommodate atleast 12 samples of 1.5 ml centrifuge tube or more
7. Power supply 220-240V, 50-60 Hz
8. Warranty 5 years from date of installation and 5 years CMC
9. CE certified/CE conformity.

12. Micro Centrifuge

1. Microprocessor controlled machine
2. Rotational speed range (RPM) : Max 14000/min or more
3. Relative centrifugal force of 16000 g or more
4. Interior chamber should be made of stainless steel
5. Digital LCD display (speed, time and temperature)
6. Brushless DC motor
7. Rotors should be aerosol tight and autoclavable
8. Equipped with motorized lid latching
9. Extremely compact footprint and suitable for use in biosafety cabinet
10. Ensures lesser heat generation and lesser noise (less than 60 db)
11. Rotor should have capacity to spin with 12-15 place for 1.5 ml/2 ml microcentrifuge tube
12. With PCR strip rotor and other adaptors as accessories.
13. Braking and acceleration time <18 sec or better.
14. CE conformity and IVD approved.
15. Power supply 230-240V, 40-60HZ.
16. 5 year warranty and 5 years CMC.

13. Centrifuge/Vortex for PCR plates

1. Quickly spins down droplets in PCR plates or with centrifuge with vortex mixing
2. Prevents spillage
3. Should be half the size of traditional centrifuge
4. Speed regulation range 300-1500 rpm
7. Min ECF at 1500 rpm and should be 175 x g minimum
8. Accept all popular types of PCR with all necessary accessories

14. Complete set of pipettes suitable for RNA isolation & PCR analysis

1. Variable volume, single channel pipettes (0.2-2 ul, 2-20ul, 20-200ul, 1-10 ul, 10-100 ul, 100 to 1000 ul)
2. Four digit volume display
3. Smooth tip ejector.
4. Fully autoclavable at 121°C to avoid cross contamination
9. Lower part of the pipette should be detachable for cleaning
10. No discoloration upon UV radiation
11. Should be with pipette stand fitted in Biosafety cabinet.
12. CE conformity to be provided.

15. MiniSpin

1. Brushless DC motor
2. Should be with unique closed rotor reduces friction
3. Should be with fixed rotation speed at approx. 2800 rpm and approx. 500xg that can process minimum 8 micro tubes of 1.5 ml
4. Should be with stop operation at open lid with electronic brake

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5. Should be with microprocessor-controlled machine
 6. Replaceable strip rotor and adaptors for all common uses
 7. Can be used for PCR-diagnostic experiments and fit in biosafety cabinet

16. PCR Work station

1. Material MS with powdered coated body
2. Working area: stainless steel SS304
3. Pipette stand: one on left side for 3 pipettes
4. Inner chamber dimension (250-300) x (200-250) x (150-200) mm
5. Two number of UV tubes
6. One number of white light
7. Front door: Acrylic glass resistant to UV light
8. Input voltage 220-240 V, 50-60 Hz, AC supply
9. Adjustable working chair suitable to work with work station to be quoted
10. User list to be provided

17. Real time PCR machine

1. An automated bench top Real time PCR system for nucleic acid amplification and simultaneous end point analysis.
2. Complete system including basic system, essential accessories, the state-of-art computer workstation, acquisition and analysis software, startup kit inclusive of calibration standards etc.
3. Open system to accommodate Taqman, SYBR green and all other fluorescent dye based chemistries.
4. Peltier based 96 well block
5. Compatible with standard optical 96 well plates, 0.2 ml strips & 0.2ml tubes
6. Min sample value requirement - 5µl
7. CCD camera/Photodiode detection system with LED excitation source having life time warranty with at least five excitation and five emission filters
8. Multiplexing ability up-to five dyes in a single run
9. Calibrated dyes at installation: FAM/SYBR Green, VIC/JOE, NED/TAMRA/Cy3, ROX/Texas Red®, and Cy5 or similar dyes (With comparable absorption and emission spectrum). Should offer flexibility in dye selection.
10. Facility to calibrate new dye within the wavelength range without addition of new filters.
11. Passive reference dye ROX or any other calibrated dye and should be optional.
12. Option for melt curve analysis.
13. Temperature range 40°C to 100°C.
14. Ramp rate $\geq 40^\circ\text{C}/\text{sec}$
15. Sensitivity: Detection of 1 copy of template
16. Software applications: Absolute and relative quantification including Comparative Ct, Standard Curve, Relative Standard Curve, Allelic Discrimination / SNP Genotyping, Plus/Minus, dissociation / melt curve. Software should be provided free of cost and should be installed and upgraded on site free of cost as and when required.
17. 220 V /50Hz. All accessories including 2KVA UPS with 2 hour battery backup
18. US FDA / European CE certified mark and should be approved for in vitro diagnostics.
19. Branded Laptop compatible with software and with licensed Microsoft office along with coloured laser printer to be provided with the system (1 TB hard disk and minimum 8 GB RAM).

18. Automated RNA extraction machine

1. Automated Nucleic Acid extraction systems to efficiently automate DNA extractions, RNA extractions, and their related purification protocols.
2. It should be benchtop open system (compatible with multiple kits) along with 3 KVA UPS with ½ hour power backup and with all accessories.
3. High throughput 1 to 96 samples per run should be efficiently extracted within one hour.
4. Should be able to process sample volume min 25µl to 200µl and elution volume 30 to 100µl.
5. Performance should be
 - High nucleic acid yields
 - Isolate pure, high quality DNA or RNA for downstream applications such as PCR, qPCR, Reverse transcription – qPCR, sequencing.

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6. The system should have heating and cooling facility and should allow to add customize protocols.
 7. System should function smoothly and should not generate aerosol, spillage.
 8. Easy availability of consumables/spares for five years.
 9. All the necessary documents (Instrumental Qualification/Operational Qualification/ Performance Qualification) and certification should be provided at the time of installation.
 10. Company with good reputation.
 11. System should have internal in-built memory to store protocols.
 12. US FDA / European CE certified mark and should be approved for in vitro diagnostics

Note : Instruments/equipments should be of reputed Brand and certificate(s) in standard of quality must be attached

Item wise Guarantee / Warranty must be mentioned on firm's letter head in Technical Bid
The bidder must mention regarding tentative delivery time of Equipments.

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Baba Farid University of Health Sciences, Faridkot

E-TENDER NOTICE FOR procurement & Installation of Equipments for COVID-19 testing labs (COVID-LAB) at various Institutes/places situated in Punjab on behalf of Govt. of Punjab

TERMS AND CONDITIONS

FOR SUPPLY AND INSTALLATION of EQUIPMENTS for COVID-19 testing labs (COVID-LAB) at various Institutes/places situated in Punjab on behalf of Govt. of Punjab

ELIGIBILITY

- The sole manufacturers of equipments or their authorized agents/distributors may quote their rates.
 - In case of Authorized Supplier/Agency/Distributor, the Authorization Certificate as per the Format given at **Annexure-‘III’** should be uploaded.
 - In case the Tenderer is authorized dealer/supplier an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for Guarantee/Warranty/CMC. (**Annexure – ‘IV’**).
1. This institution reserves the right to reject tenders without assigning any reason and increase or decrease the quantity of the articles tendered.
 2. The material must be supplied within 15 days, this condition must be abide in technical bid otherwise the firm will be technically disqualified.
 3. **Price of CMC should be quoted in the financial bid.**
 4. The Price Bids of technically qualified bidders shall be evaluated on the basis of lowest bid criteria without compromising on the quality of material. Rates of all types of taxes as applicable should be quoted clearly. The price bids of technically qualified bidders shall be evaluated on the basis of lowest bid criteria without compromising on the quality of material. The price of CMC will not be included in the price while calculating the price of the equipment for comparison.
 5. Payment Terms: 80% Payment will be released after satisfactory Installation and working of the Equipment and balance 20% will be made after 60 days of the Installation and satisfactory working of the equipment.
 6. 5 year comprehensive warranty. After the expiry of the 5 years warranty, CMC will be for 5 years.
 7. 0.1% of FOB as penalty per week till the warranty period, if the instrument remains in non working condition for more than 18 days in a year.
 8. In-complete or conditional offers incorporating price variation will not be entertained.
 9. The firm should have been in existence for at- least **three years** and it should have turnover of **Rs.1,00,00,000/- per year.**
 10. The successful bidder shall deposit performance security equal to 10% of the value of the equipment/s in the shape of Demand Draft only.

Baba Farid University of Health Sciences, Faridkot

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Annexure-I

TECHNICAL BID COMPLIANCE STATEMENT

Name and Address of the applicant / firm _____

Specify whether Manufacturer/Dealer/Distributor: _____

Sr. No.	Particulars	Remarks
1.	Tender Fee of Rs.2000/- through Online Mode only on or before due date.	Yes/No
2.	Tender Processing fee charged by Punjab Govt. as per their norms. (Non- refundable).	Yes/No
3.	Earnest Money as per list in favor of Registrar Baba Farid University of Health Sciences, Faridkot through online mode only.	Yes/No
4.	Technical Bid Compliance Proforma uploaded (Annexure-I).	Yes/No
5.	Whether an affidavit regarding Non-Black listing as per proforma given at Annexure-II duly attested by an Executive Magistrate or a Notary Public uploaded.	Yes/No
6.	In case the bidder is Authorized Supplier/Agency, the Authorization Certificate as per the Format given at Annexure-‘III’ uploaded.	Yes/No
7.	In case the Tenderer is Authorized Supplier/Agency, an undertaking/certificate issued by their Principle Manufacturer/Supplier that in case dealership/distributorship is withdrawn after supply then the Principle Manufacturer/Supplier will be responsible for Guarantee/Warranty/CMC (Annexure – ‘IV’) uploaded.	Yes/No
8.	Details of Bank Account for refund of EMD (Annexure – V) uploaded.	Yes/No
9.	Price Bid in the prescribed format in Excel Sheet (Annex – VI) uploaded.	Yes/No
10.	Copy of Certificate of Registration for service Tax/TIN/TAN/PAN/GST uploaded.	Yes/No
11.	A certificate from C.A. regarding Annual Turnover with Balance Sheet for the last 3 (three) financial years i.e. 2018-19, 2019-20 and 2020-21 uploaded.	Yes/No
12.	Copy of the IT Returns for three financial i.e. 2018-19, 2019-20 and 2020-21 uploaded	Yes/No
13.	Certificate regarding standard in quality as per specifications .	Yes/No
14.	E-mail ID	
15.	Mentioned expected time of supply.	Yes/No
16.	Mentioned Guarantee / Warranty	Yes/No
17.	The firm have existence for at- least three years and have turnover of Rs.1,00,00,000/- per year .	Yes/No

Signature & seal of bidder

Place:

Date :

Note: Please upload Catalogue/Brochure/Pamphlets with complete specifications of quoted model only.

Baba Farid University of Health Sciences, Faridkot

E-TENDER NOTICE FOR procurement & Installation of Equipments for COVID-19 testing labs (COVID-LAB) at various Institutes/places situated in Punjab on behalf of Govt. of Punjab

Annexure-II

(To be furnished on non-judicial stamp paper worth Rs.100/- duly attested by Executive Magistrate or Notary Public).

AFFIDAVIT

I/We _____ partner/sole proprietor
(Strike out which is not applicable) of (Name & Address of Firm) _____
do hereby declare and solemnly affirm:-

- a) That the individual/firm/ companies are **not debarred or black- listed** by any department of Union/ State Government or any autonomous institute.
- b) That no partner or shareholder, directly or indirectly connected with the applicant who has been debarred or blacklisted by any department of Union Govt./State Govt./Autonomous Institute.
- c) And that the terms and conditions for supply and Installation of Equipments at GGS Medical College and Hospital, Faridkot, are acceptable to me/us. I/We shall abide by them in letter and spirit.

Date:

Place:

DEPONENT

VERIFICATION

I/We do hereby solemnly declare and affirm that the above declarations are true and correct to the best of my/our knowledge and beliefs. No part of it is false and nothing has been concealed therein.

Date:

Place:

DEPONENT

Baba Farid University of Health Sciences, Faridkot

E-TENDER NOTICE FOR procurement & Installation of Equipments for COVID-19 testing labs (COVID-LAB) at various Institutes/places situated in Punjab on behalf of Govt. of Punjab

Annexure- III

MANUFACTURER'S/PRINCIPAL AUTHORIZATION FORM

TO

The Registrar
Baba Farid University of Health Sciences,
Faridkot -151203

Ref. No.....

Dated:

**Sub: Authorization Certificate in favour of M/s..... for supply of
..... (Name of equipment)**

We, M/s....., who are established and reputable manufacturers of
.....(name of equipment) having factory(ies) at and
....., hereby authorize M/s.....(name and
address) to bid, negotiate and conclude the Tender formalities with you against Tender No..... for
the above equipment(s) manufactured by us.

No company or firm or individual other than M/s..... are authorized to bid, negotiate
and conclude the tender formalities in regard to this business against this specific tender.

We, hereby extend our full guarantee and warranty as per the conditions of tender for the goods offered
for supply against this tender by the above firm.

Yours faithfully,

(Name)

For and on behalf of M/s.....
(name of manufacturer/Principal)

Note: This letter should be signed by a person competent and having authority to sign on behalf of manufacturer, and should be on manufacturer Letter Head and same will be uploaded with Technical Bid.

Baba Farid University of Health Sciences, Faridkot

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Annexure - IV

UNDERTAKING BY MANUFACTURER/PRINCIPAL

TO

The Registrar
Baba Farid University of Health Sciences,
Faridkot -151203

Ref. No......

Dated:

Sub: Undertaking for after sales service

We, M/s....., who are established and reputable manufacturers of
.....(name of equipment) have authorized
M/s.....(name and address) to bid, negotiate and conclude the Tender
formalities with you against Tender No..... for the above equipment(s).

Further, we undertake that in case dealership/distributorship is withdrawn after supply of equipment then we shall be responsible for after sales service till the date of guarantee/warranty of the equipment and afterwards for a period of 10 years.

Yours faithfully,

(Name)

For and on behalf of M/s_____ (Name of manufacturer/Principal)

Baba Farid University of Health Sciences, Faridkot

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Annexure- V

Details of Bank Account of the firm who has deposited EMD

Name of the firm: _____

Sr. No.	Particulars	Detail
1.	Account No.	
2.	Name of Bank	
3.	Branch Name	
4.	IFSC Code of Bank	
5.	Name of Operator	

Baba Farid University of Health Sciences, Faridkot

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ANNEXURE - VI

PRICE BID

TO BE UPLOADED in Printed/Computerized format in Excel Sheet Attached for all Equipments.