



स्कूल अफ हेल्थ साइन्सेज



च.नं./प.सं. शैक्षिक सामग्री सम्बन्धी उपकरणहरू खरिद सम्बन्धी सूचनाति:.....


प्रथम पटक प्रकाशित मिति: २०७९/१२/२५

यस कार्यालयको आ.व. २०७९/८० को स्वीकृत वार्षिक कार्यक्रम अनुसार शैक्षिक कार्यक्रम संचालन गर्न पूर्वाञ्चल विश्वविद्यालय स्कूल अफ हेल्थ साइन्सेज, गोठगाउँ, मोरङलाई शैक्षिक उपकरण खरिद शिर्षक अनुसार आवश्यक पर्ने देहाय बमोजिमको मेसिनरी उपकरण सार्वजनिक खरिद ऐन २०६३ (पहिलो संसोधन २०७३) को दफा ८ को उपदफा १ (क८) तथा सार्वजनिक खरिद नियमावली २०६४ (बाह्रौं संसोधन २०७९) को नियम ३१ (ख) बमोजिम त्यस्तो मेसिनरी उपकरण उत्पादक कम्पनी वा सोको आधिकारिक बिक्रेताहरूबीच मात्र प्रतिस्पर्धा गराउने (क्याटलगसपिङ्ग) विधिबाट खरिद गर्नुपर्ने भएकोले इच्छुक इजाजत प्राप्त उत्पादक कम्पनी वा त्यसको आधिकारिक बिक्रेताहरूले आफ्नो फर्म दर्ता, भ्याट दर्ता, एजेन्सी दर्ता प्रमाण पत्र, आधिकारिकताको प्रमाण पत्र (Letter of Authorization) र आ.व.२०७८/७९ को आयकर चुक्ता प्रमाणपत्रको प्रमाणित प्रतिलिपिहरू समावेश गरी सार्वजनिक खरिद नियमावली २०६४ को नियम ३१ (ख) को उपनियम २ अनुसार देहाय बमोजिमको उपकरणको उत्पादकको आधिकारिक स्पेशिपिकेशन, गुणस्तर र कम्पनिको आधिकारिक मुल्य खुल्ने कागजात (क्याटलग वा ब्रोसर) संलग्न राखि सो सूचना प्रकाशित भएको मितिले ७ (सात) दिन भित्र यस कार्यालयमा प्राविधिक प्रस्ताव दर्ता गर्नुहुन सम्बन्धित उत्पादक वा आधिकारिक बिक्रेताको जानकारीको लागि यो सूचना प्रकाशित गरिएको छ ।

डाइरेक्टर



S.N.	Purchaser's Specifications	Bidder's Compliance Sheet		
		Yes/No	Page no.in	Remarks
	Semi Automated Bio-Chemistry Analyzer (1 set)			
	Manufacture:			
	Brand:			
	Type/Model:			
	Country of origin:			
1.	Description of functions			
	1.1 The semi-automated Bio- Chemistry Analyzer measures biochemical indexes by analyzing blood and other body fluid, then combines with other clinical information, to help diagnose disease, evaluate organs function identify disease gene and determine the norm for future therapy.			
2.	Operational Requirements			
	2.1 Semi automated Chemistry Analyzer with built in software for the calculation and curve plotting. It must accept all types of curve fits like Log-log, Log-linear, Exponential, point to point.			
	2.2 User programmable memory for up to 150 chemistries minimum programmable by the user.			
3.	System Configurations			
	3.1 Semi automated Elisa Plate Reader within built data processor and LCD/LED display, printer and RS 232 serial port for bidirectional communication or USB etc.			
4.	Technical Specifications			
	4.1 Light Source: Quartz Halogen Lamp or LED			
	4.2 Wavelength range: Automatic selection by at least 7 position filter wheel ranging 340-670 nm.			
	4.3 Photometric Range: 0to3.0 Absorbance.			
5.	Accessories, spares and consumables			
	5.1 All standard accessories, consumables and parts required to operate the equipment.			
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 condition include Power supply, Climate, Temperature, Humidity, etc.			
7.	Standards and Safety Requirements			
	7.1 Must submit ISO 9001 or ISO 13485:2007 AND			
	7.2 CE or SFDA approved product certificate.			
8.	Users Training			
	8.1 Most provide user training (how to use and maintain)			
9.	Warranty 1 year			
10.	Maintenance service during 1 year			
11.	Installation: the bidders must arrange for the equipment's to be installed and cominisoned by certified or qualified personnel, any pre-quistice for installation to be communicated to the purchaser's in advanced in detailed			
12.	Documentation			
13.	Users (operating) manual in English			
14.	Certificate of calibration and inspection			
15.	Certificate of calibration and inspection			


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

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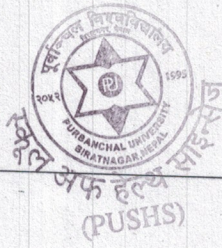
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S.N.	Purchaser's Specifications	Bidder's Compliance Sheet		
		Yes/No	Page no. in	Remarks
	Laminar Air Flow (1 set)			
	Manufacture:			
	Brand:			
	Type/Model:			
	Country of origin:			
1.	Description of functions			
	1.1 Laminar air flow refers to the air flow system in which the filtered air through the HEPA filter moves within a definite space at uniform velocity and direction.			
2.	Technical Specifications			
	2.1 Type: Vertical/ Horizontal			
	2.2 Air cleanliness: ISO Class 5/ Class 100/ M 3.5 area.			
	2.3 Air Velocities: 0.45 ± 0.05 mps (90 ± 20 FPM)			
	2.4 Noise Level: Less than 67 dB			
	2.5 Differential Pressure Gauges: 01 N0. (HEPA Filter)			
	2.6 ON/ OFF Switches (BL/ FL/ UV)			
	2.7 Front Door (Counter weighted / Hinged/ Flexible PVC Sheet)			
	2.8 Hour Meter for UV			
	2.9 Air / Gas cock			
	2.10 Velocity display with High / Low Alarms			
3.	Accessories, spares and consumables			
	3.1 All standard accessories, consumables and parts required to operate the equipment.			
4.	Operating Environment			
	4.1 The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country, The condition include Power supply, Climate, Temperature, Humidity, etc.			
5.	Standards and Safety Requirements			
	5.1 Must submit ISO 9001 or ISO 13485:2007 AND			
	5.2 CE or SFDA approved product certificate.			
6.	Users Training			
	6.1 Most provide user training (how to use and maintain)			
7.	Warranty 1 year			
8.	Maintenance service during 1 year			
9.	Installation: the bidders most arrange for the equipment's to be installed and cominisoned by certified or qualified personnel, any pre-quistice for installation to be communicated to the purchaser's in advanced in detailed			
10.	Documentation			
11.	Users (operating) manual in English			
12.	Certificate of calibration and inspection			
13.	Certificate of calibration and inspection			

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S.N.	Purchaser's Specifications	Bidder's Compliance Sheet		
		Yes/No	Page no. in	Remarks
	Biological Safety Cabinet (Level 2)			
	Manufacture:			
	Brand:			
	Type/Model:			
	Country of origin:			
1.	Description of functions			
	1.1 The Biological Safety Cabinet is an enclosed ventilate laboratory work space for safely working with materials contaminated with pathogens requiring a defined bio safety level.			
2.	Technical Specifications			
	2.1 Working chamber minimum size not less than be 3'x 2'x 2''			
	2.2 Working chamber made of 290 stainless steel and mild steel Fabrication with coated paint.			
	2.3 Stage filtration of which 70 % re-cycling through 0.3 micron imported HEPA filter (3'x 2'x 2'') having 99.9% efficiency and on last stage, 30% air can exhaust only through roof top chimney trough another HEPA filter (1'x 1') of 99.99% efficiency.			
	2.4 Should have be Blower assembly of ¼ HP, Single phase, 1440 RPM Motor and 530 CFM air flow. 2 nos. UV light of which one 2.8 ft, feather touch LCD control panel for UV light, Blower, Timer and Fluorescent light.			
	2.5 Acrylic manometer fitted on external part of equipment to check air pressure.			
3.	Accessories, spares and consumables			
	3.1 All standard accessories, consumables and parts required to operate the equipment.			
4.	Operating Environment			
	4.1 The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country, The condition include Power supply, Climate, Temperature, Humidity, etc.			
5.	Standards and Safety Requirements			
	5.1 Must submit ISO 9001 or ISO 13485:2007 AND			
	5.2 CE or SFDA approved product certificate.			
6.	Users Training			
	6.1 Most provide user training (how to use and maintain)			
7.	Warranty 1 year			
8.	Maintenance service during 1 year			
9.	Installation: the bidders most arrange for the equipment's to be installed and cominised by certified or qualified personnel, any pre-quistice for installation to be communicated to the purchaser's in advanced in detailed			
10.	Documentation			
11.	Users (operating) manual in English			
12.	Certificate of calibration and inspection			
13.	Certificate of calibration and inspection			

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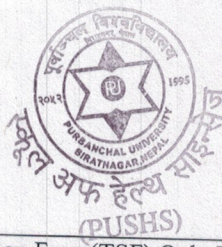


S.N.	Purchaser's Specifications	Bidder's Compliance Sheet		
		Yes/No	Page no. in	Remarks
	Electrophoresis set/ Power assembly (1 set)			
	Manufacture:			
	Brand:			
	Type/Model:			
	Country of origin:			
1.	Description of functions			
	1.1 Electrophoresis equipment applies an electric charge to molecules, causing them to migrate towards their oppositely charged electrode. The technique is found in all research and clinical laboratories utilizing DNA and protein applications, and is divided into gel and capillary techniques.			
2.	Technical Specifications			
	2.1 Horizontal gel apparatus: 18-20 cm (Length) x 25-30 (Breadth) x 5-7.5 cm (Height), multichannel pipette compatible combs and gel caster.			
	2.2 Power Pack (output 10-300 v) with output terminals, timer, 3 digit LED display and start/ stop			
3.	Accessories, spares and consumables			
	3.1 All standard accessories, consumables and parts required to operate the equipment.			
4.	Operating Environment			
	4.1 The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country, The condition include Power supply, Climate, Temperature, Humidity, etc.			
5.	Standards and Safety Requirements			
	5.1 Must submit ISO 9001 or ISO 13485:2007 AND			
	5.2 CE or SFDA approved product certificate.			
6.	Users Training			
	6.1 Most provide user training (how to use and maintain)			
7.	Warranty 1 year			
8.	Maintenance service during 1 year			
9.	Installation: the bidders most arrange for the equipment's to be installed and cominisoned by certified or qualified personnel, any pre-quistice for installation to be communicated to the purchaser's in advanced in detailed			
10.	Documentation			
11.	Users (operating) manual in English			
12.	Certificate of calibration and inspection			
13.	Certificate of calibration and inspection			

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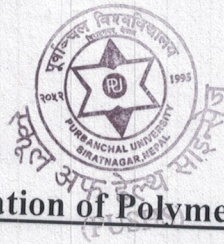
S.N.	Purchaser's Specifications	Bidder's Compliance Sheet		
		Yes/No	Page no.in	Remarks
	Elisa plate reader (1 set)			
	Manufacture:			
	Brand:			
	Type/Model:			
	Country of origin:			
1.	Description of functions			
	1.1 The semi-automated Elisa Plate Reader measures immune or bio-chemical indexes by analyzing blood and other body fluid, then combines with other clinical information, to help diagnose disease, evaluate organs function identify disease gene and determine the norm for future therapy.			
2.	Operational Requirements			
	2.1 Semi automated Elisa Plate Reader with built in software for the calculation curve plotting, and observation modes.			
	2.2 User programmable memory for up to 150 chemistries minimum programmable by the user.			
3.	System Configurations			
	3.1 Semi automated Elisa Plate Reader within built data processor and LCD/LED display, printer and RS 232 serial port for bidirectional communication or USB etc.			
4.	Technical Specifications			
	4.1 Light Source: Quartz Halogen Lamp or LED			
	4.2 Wavelength range: Automatic selection by at least 7 position filter wheel ranging 340-670 nm.			
	4.3 Photometric Range: 0to3.0 Absorbance.			
5.	Accessories, spares and consumables			
	5.1 All standard accessories, consumables and parts required to operate the equipment.			
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 condition include Power supply, Climate, Temperature, Humidity, etc.			
7.	Standards and Safety Requirements			
	7.1 Must submit ISO 9001 or ISO 13485:2007 AND			
	7.2 CE or SFDA approved product certificate.			
8.	Users Training			
	8.1 Most provide user training (how to use and maintain)			
9.	Warranty 1 year			
10.	Maintenance service during 1 year			
11.	Installation: the bidders most arrange for the equipment's to be installed and cominised by certified or qualified personnel, any pre-quistice for installation to be communicated to the purchaser's in advanced in detailed			
12.	Documentation			
13.	Users (operating) manual in English			
14.	Certificate of calibration and inspection			
15.	Certificate of calibration and inspection			



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


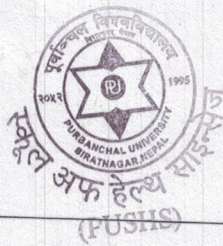
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Technical specification of Polymerase Chain Reaction (PCR)

S.N.	Purchaser's Technical Specifications	Bidder's Compliance Sheet			
		Yes	No	Page No. in Catalogue	Remarks
	Polymerase Chain Reaction (PCR)				
	Manufacturer				
	Brand				
	Type / Model				
	Country of Origin				
1.	Description of Function				
a.	Polymerase chain reaction (abbreviated PCR) is a laboratory technique for rapidly producing (amplifying) millions to billions of copies of a specific segment of DNA, which can then be studied in greater detail. PCR involves using short synthetic DNA fragments called primers to select a segment of the genome to be amplified, and then multiple rounds of DNA synthesis to amplify that segment.				
2.	Technical Specifications				
a.	Sample Block				
	96 Well, Gradient Block: Compatible with regular profile or low profile 0.2 ml				
b.	Block Temperature				
	Block Temperature range: 4.0 - 100 °C				
	Max. Heating/ Cooling Rate: 5.5 °C/sec / 3.3 °C/sec				
	Temperature Accuracy / Uniformity: +/- 0.3 °C / +/- 0.3 °C				
	Adjustable Ramp Rate: 0.1 - 5.5°C/sec				
c.	Gradient Temperature				
	Gradient Direction: Horizontal across the block				
	Gradient Temperature Range: 30 - 100 °C				
	Gradient Temperature Difference: Max. span 30 °C				
d.	Heated Lid				
	Temperature Setting Range: 35 - 120 °C or off				
	Temperature Accuracy: +/- 1.0 °C				
e.	Software				
	Portability of Protocols: Save and transfer to computer or Turbo Cycler 2 via USB flash drive				
	Stored Program No.: > 4000 sets				
	Registered User Folder No. : 100 sets				
	User Folder Password Protection: Yes				
	Run Status Report: Yes, HTML output and transfer via USB flash drive				
	Real-time Temp. Profile Export: Yes, CSV output and transfer via USB flash drive				
	Tools: Tm calculator, Copy number convertor, Master mix preparation wizard				


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f	General				
	Display: 7" color LCD with capacitive touch panel				
	Data Port: 1 USB Type-A front port for USB flash drive				
	Heated Lid: 35 - 120 °C or off				
	Auto Restart after Power Outage: Yes				
	Remote Monitoring via Wi-Fi: Optional				
	Footprint Dimensions (H x W x D): 225 mm x 245 mm x 415 mm				
	Weight: 9.5 kg				
	Power Supply: AC 100-240 V, 50/60 Hz, 750 W				
	Certification: CE, RoHS				
3.	Accessories, spares and consumables				
	3.1 All standard accessories, consumables and parts required to operate the equipment.				
4.	Operating Environment				
	4.1 The system offered shall be designed to store and to operate normally under the conditions of the purchaser's country, The condition include Power supply, Climate, Temperature, Humidity, etc.				
5.	Standards and Safety Requirements				
	5.1 Must submit ISO 9001 or ISO 13485:2007 AND				
	5.2 CE or SFDA approved product certificate.				
6.	Users Training				
	6.1 Most provide user training (how to use and maintain)				
7.	Warranty 1 year				
8.	Maintenance service during 1 year				
9.	Installation: the bidders most arrange for the equipment's to be installed and cominised by certified or qualified personnel, any pre-quistice for installation to be communicated to the purchaser's in advanced in detailed				
10	Documentation				
a.	User (Operating) manual in English				
b.	Service (Technical / Maintenance) manual in English.				
c.	Certificate of calibration and inspection from factory.				

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