

جماعت اسلامی کی شہر میں احتجاج کر کے سٹیٹ بس سروس کو روکا
 جماعت اسلامی کی شہر میں احتجاج کر کے سٹیٹ بس سروس کو روکا گیا۔ احتجاجیوں نے سٹیٹ بسوں کو روکا اور سڑکیں بند کر دیں۔

ٹریک حادثات میں کم از کم 3 ہزار افراد اپنی جانیں گنوا دیں
 ٹریک حادثات میں کم از کم 3 ہزار افراد اپنی جانیں گنوا دیں۔ ٹریک حادثوں کی شرح میں اضافہ دیکھا گیا ہے۔

کرنسی ریٹ

کرنسی	ریٹ
امریکی ڈالر	279.50
یورپی یورو	300.00
برطانوی پونڈ	350.00
جاپانی ین	20.00
سویڈش کرون	25.00
ڈینش کرون	25.00
نارویجی کرون	25.00
فن لینڈ فرانک	25.00
سوئس فرانک	25.00
ہالینڈ فرانک	25.00
آسٹریائی فرانک	25.00
پرتگالی فرانک	25.00
سپین فرانک	25.00
پولینڈ زلوٹی	25.00
چیک ریپبلہ کورونا	25.00
سلوواکیا کورونا	25.00
ہنگری فورینٹ	25.00
رومانی لیو	25.00
بیلجیئم فرانک	25.00
جرمن مارک	25.00
فرانس فرانک	25.00
ایتالیائی فرانک	25.00
پاپوا نیو گنی کینیا	25.00
نیوزی لینڈ ڈالر	25.00
آسٹریلیا ڈالر	25.00
نیوزی لینڈ ڈالر	25.00
آسٹریلیا ڈالر	25.00
نیوزی لینڈ ڈالر	25.00
آسٹریلیا ڈالر	25.00

Wafi
ڈاک کے ذریعہ ڈیجیٹل کا پیٹ بھی
 Wafi (www.wafi.com.pk) کے ذریعہ ڈیجیٹل کا پیٹ بھی کیا جا سکتا ہے۔

50 سالہ عورتیں اور 30 سالہ مردوں کے لیے ایجنسیوں کی طرف سے ڈیٹنگ سائٹیں
 ایجنسیوں کی طرف سے ڈیٹنگ سائٹیں شروع کی گئی ہیں۔

تندر ٹیبل

نمبر	ڈاکٹر کے نام	کامرو	ڈاکٹر کے نام	ڈاکٹر کے نام
1	ڈاکٹر محمد سعید	D1	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
2	ڈاکٹر محمد سعید	D2	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
3	ڈاکٹر محمد سعید	D3	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
4	ڈاکٹر محمد سعید	D4	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
5	ڈاکٹر محمد سعید	D5	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
6	ڈاکٹر محمد سعید	D6	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
7	ڈاکٹر محمد سعید	D7	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
8	ڈاکٹر محمد سعید	D8	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
9	ڈاکٹر محمد سعید	D9	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
10	ڈاکٹر محمد سعید	D10	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
11	ڈاکٹر محمد سعید	D11	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
12	ڈاکٹر محمد سعید	D12	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید
13	ڈاکٹر محمد سعید	D13	ڈاکٹر محمد سعید	ڈاکٹر محمد سعید

ایقاعہ اور خاتون نے پھیلنے والے کوکڑھو کو روکا
 ایقاعہ اور خاتون نے پھیلنے والے کوکڑھو کو روکا۔ ایقاعہ اور خاتون نے پھیلنے والے کوکڑھو کو روکا۔

جنیو 7 عمرہ ٹکٹ ہر ماہ PARACHA EXCHANGE
 جنیو 7 عمرہ ٹکٹ ہر ماہ PARACHA EXCHANGE کے ذریعہ حاصل کیا جا سکتا ہے۔

GOVERNMENT OF PAKISTAN COLLECTORATE OF CUSTOMS (ENFORCEMENT) CUSTOM HOUSE KARACHI
 حکومت پاکستان کی جماعتوں کی طرف سے احتجاج کر کے سٹیٹ بس سروس کو روکا گیا۔

SHOW CAUSE NOTICE
 Show Cause Notice کے ذریعہ ایقاعہ اور خاتون نے پھیلنے والے کوکڑھو کو روکا۔

INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES
 International Center for Chemical and Biological Sciences کے ذریعہ ایقاعہ اور خاتون نے پھیلنے والے کوکڑھو کو روکا۔

TENDER NOTICE
 Tender Notice کے ذریعہ ایقاعہ اور خاتون نے پھیلنے والے کوکڑھو کو روکا۔

OMAR SHAFIQUE COLLECTION
 Omar Shafique Collection کے ذریعہ ایقاعہ اور خاتون نے پھیلنے والے کوکڑھو کو روکا۔

Director (C.C.B.S.)
 Director (C.C.B.S.) کے ذریعہ ایقاعہ اور خاتون نے پھیلنے والے کوکڑھو کو روکا۔

ALLAMA IQBAL OPEN UNIVERSITY SITUATION VACANT

AIQU Invites applications against the following positions on regular / contract basis.

Sr. No.	Position	No. of Posts
Faculty of Sciences		
1	Professor, Computer Science (BPS-21)	01
Faculty of Social Sciences & Humanities		
2	Professor, Languages & Translation Studies (BPS-21)	01
Faculty of Education		
3	Professor, Distance Non-Formal & Continuing Education (BPS-21)	01
4	Professor, Special Education (BPS-21)	01
5	Associate Professor, Special Education (BPS-20)	01
6	Associate Professor, Secondary Teacher Education (BPS-20)	01
Faculty of Arabic & Islamic Studies		
7	Professor, Shari'ah (BPS-21)	01
8	Professor, Quran & Tafseer (BPS-21)	01

IMPORTANT POINTS

- The eligibility of the candidates shall be determined per HEC criteria and subsequent shortlisting scrutiny shall strictly be determined carried out per the provisions laid down in the AIQU Services Statutes 1978 as amended from time to time.
- Maximum age limit as prescribed under Rules shall be relaxed in pursuance of Relaxation of Upper Age Limit Rules, 1993 (amended from time to time), as provided in AIQU Services Statutes 1978 (amended from time to time).
- Applicants are required to apply online through AIQU Job Portal careers.aiqu.edu.pk.
- The candidates applying for the positions of Professor and Associate Professors must submit their applications ONLINE followed by hardcopies (in sets in binding form & 01 soft copy (CD) in PDF format) along with attested copies of academic documents, research articles, research and/or documentary testimonials such as detail of conference papers & no. of student supervised at M.Phil & Ph.D level, detail of Research Grant/Projects, Research and Development, Social Responsibility and past original Bank Chashes. The applications (both in hard and soft form) should reach the undersigned on or before the cutoff date.
- In absence of Online application, hard & soft copies of the applications will not be entertained. The submission of dossier in hard form is mandatory after submission of online application.
- Applicants working on Regularizing charge/officialing Ad-hoc/ casual charge and/or contract basis in Government/ Semi-Government and Autonomous Bodies (including employees of AIQU) must apply through proper channel and submit NOC/ service certificate(s) issued by the respective Controlling Authority by the date, failing which application shall be considered incomplete and liable to be rejected.
- Information claimed in online application form shall be treated as final, subsequent claims, earlier not given in online application form, shall be considered although and an attempt to become eligible. Such subsequent claims shall not be accepted.
- The AIQU reserves the right to increase / decrease the number of posts or not to fill any post / withhold the appointment against any post, without assigning any reason therefor.
- The schedule of processing fee is:
 - BPS-20 & BPS-21: Rs. 10000/-
 - Download Charter Form from AIQU Job Portal
- No TA/DA shall be admissible in any case.
- Last date for submission of application is 22-05-2020.

نوتس طلبی سینڈرزز (NIT)
 نوتس طلبی سینڈرزز (NIT) کے ذریعہ ایقاعہ اور خاتون نے پھیلنے والے کوکڑھو کو روکا۔

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14 transgender activists, clerk held after protest at Hyderabad police HQ

By Ashfaq Ahmad Nadeem Khan

HYDERABAD Police have arrested a former leader of 14 transgender activists after a peaceful protest inside the office of Hyderabad city Superintendent of Police Yousuf Yousuf on Wednesday.

The demonstrators, led by transgender rights activist Pooja Shahid, had gathered at the SSP office to demand the reinstatement of junior clerk Maria Sano as desk incharge at the women's complaint localisation cell — a position she had previously held.

SSP Pooja Shahid met the group and asked to head a seven-member committee to address transgender community issues. The group refused. The protest escalated, according to the FIR, the group broke down a door, forced their way into the room of Inspector Berezzi Zardari, manhandled the officer and manhandled the inspector, compelling her to vacate her seat and installed Maria Sano at the desk incharge.

The demonstrators outside the SSP's office were called in and all 15 were arrested. Some others escaped.

An FIR — crime No. 10026 — was lodged by Inspector Malik Javed Iqbal at Centremet Police station under Sections 14A, 353, 147, 149, 150-B, 427 and 504 of the Pakistan Penal Code.

Speaking to Dawn, SSP Chaudhry said audio and video recordings showed the transgender activists had acted in collusion with Maria Sano, who he alleged had orchestrated the protest to secure her own reinstatement. "I realised it was being done at the instigation of the junior clerk," he said. "It was clearly a protest planned and manipulated by her."

Maria Sano had previously headed 13 police desks covering minority affairs, transgender issues, human rights cell, and a women and children's cell. She was removed from the post in November 2025 after then SSP Adeel Chaudhry suspended her following an incident in which she supported a uniformed female assistant sub-divisionary. Her husband Navsed, also a police employee, was suspended at the same time.

Storm knocks out power for millions in Sindh as Sepco declares emergency

Life disrupted across Sukkur, Larkana, Shikarpur, Jacobabad, Kandhkot-Kashmore, Ghotki and Khairpur districts

Dawn Report

SIKKUR/LARKANA: The Sindh Electric Power Company (Sepco) has declared an emergency across its operational region after severe storms caused widespread damage to the power network, plunging millions in 10 districts into darkness.

The powerful storm, accompanied by intense rainfall, swept across Sukkur, Larkana, Shikarpur, Jacobabad, Kandhkot-Kashmore, Ghotki, and Khairpur districts in Upper Sindh.

The severe weather caused widespread damage to the power transmission infrastructure, plunging a region into a state of total blackout. The intensity of the windy storm resulted in significant structural damage to the electrical distribution network. Almost all feeders and many utility poles were uprooted or collapsed under the pressure of the winds in these districts.

Multiple instances of 11kV feeders, power lines have been reported as snapped and fallen across various residential and commercial areas, posing a severe safety risk to the public.

The prolonged outage has paralysed normal life, disrupted essential services, and halted water supplies, causing extreme distress to the inhabitants of these districts.

Despite the message of rain, Sepco has failed to restore the power supply to 44 of 420 feeders.



A LABOURER works on a transmission line in Larkana — Dawn

The crisis remains unresolved in Larkana — the hardest hit district — and now others. As a stop-gap, Sepco is routing power to Larkana via a 132 KV line from Dado, though Mr Channa acknowledged the line was aging. Consumers are receiving a two-hour, one-hour or 15-minute rotation while full repairs continue. A fallen transmission tower near Nawabshah has further complicated

the alternative supply route.

Mr Channa said the storm destroyed transmission lines, towers and utility poles across the region, with the 220 KV double-circuit line from Lodhran to Larkana a main supply line. The 132 KV lines have been badly damaged. He added that the theft of structural components from certain pylons had already weakened the network before the storm struck. Sepco sources said 43 towers and lines on the 132 KV network were destroyed, while three 50 KV grid stations were also affected.

Complete restoration is expected to take between 48 and 72 hours, with separate teams working around the clock.

Mr Channa reported a longstanding appeal for a 500 KV grid station in Larkana — already sanctioned — saying it would provide a permanent solution to the district's chronic power problems.

The Sindh board chairman, Ghulam Mustafa Leghari, and senior officials monitored the situation through the night.

The outage is causing severe hardship in a region lacking at 40-45°C. Tertiary hospitals in Larkana are struggling, with no robust backup power to maintain air conditioning. Many households depend on electric pumps or hand motors and lack water alternatives. Medicines stored in refrigerators and deep freezers face spoilage risks.

Six dead as dust storm, rain batter Shaheed Benazirabad

By Our Correspondent

SAWABULAH Six people, including women and children, were killed when a heavy dust storm, followed by rain, struck Shaheed Benazirabad district late on Tuesday night, according to the district's collection department.

The victims died in separate incidents of road and water accidents as the dust storm.

The bodies and wounded were taken to nearby health facilities. A large number of injured were treated at Shaheed Benazir Hospital, Nawabshah.

The storm brought down electricity poles and caused power outages across the district. The rain was heavy and caused damage to crops and property. The district's Deputy Commissioner, Abdul Samad Nagmani, said that the storm caused damage to crops and property.

Deputy Commissioner Abdul Samad Nagmani, District Officer Rashid Ehsani and District Officer Mubashir Khan visited the hospital and met the injured and distressed that full medical facilities be made available.

Man arrested after molestation video goes viral in Umerkot

UMERKOT Police have arrested a Grade 18 government officer, who also runs his own tuition academy, for allegedly molesting a girl. A video went viral on social media showing the man sexually harassing a girl inside his tuition centre.

According to an order issued by Umerkot SSP Sahib Aali, "On June 3, a video has gone viral on social media allegedly showing a girl being sexually harassed by a private tutor at a tuition centre in Umerkot City."

In this regard a special team has been constituted to inquire about the matter, find out the real cause of the incident, verify the facts through technical investigation and other reliable sources.

Education Minister Saeed Sarwar All Shah took notice of the case and contacted the SSP for details, stressing the need for a transparent investigation.

However, the suspect's wife claimed that her husband had previously molested a girl from being married off, suggesting the current episode may be linked to that earlier dispute — Correspondent

HABIBMETRO

CHANGE OF SHIFTING DATE OF OUR ISLAMIC BANKING BRANCH SEHBA AKHTAR ROAD

With reference to our advertisement published in Daily Dawn, Karachi on May 14, 2026 regarding shifting of our "Islamic Banking Branch Sehba Akhtar Road" at ZC-5, Street No. 8, D-7/ Sehba Akhtar Road, Gulshan-e-Iqbal, Karachi.

Our valued customers and general public are hereby informed that the branch shifting date has been changed from June 15, 2026 to June 15, 2026. Customers are requested to kindly note the revised shifting date.

021-111-11048/4242 | STAY AHEAD
www.habibmetro.com

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INTERNATIONAL CENTER FOR CHEMICAL AND BIOLOGICAL SCIENCES
DR. PANJWANI CENTER FOR MOLECULAR MEDICINE AND DRUG RESEARCH
K.E.J. RESEARCH INSTITUTE OF CHEMISTRY
UNIVERSITY OF KARACHI, KARACHI-75270

REQUIRE MR. NADEEM BARAK RAIZ, JUDGE, PONDICHERY BANKING COURT NO. 1, LARKANA DIVISION AT LARKANA.

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TENDER NOTICE NO. PCMD-ICCBS-GMP-230626

Sealed tenders are invited from EPADS Vendors/Suppliers, registered with the Sindh Revenue Board and income tax department (where applicable) through EPADS (E-Pak Acquisition and Disposal System) for **“Import of Scientific Equipment for GMP Facility”** on the *CNF* on *Single Stage One Envelop* procedure for the Center.

Tender Schedule : Date and Time			
Tender Issuance From	Tender Issuance Till	Tender Submission	Tender Opening
08-06-2026	22-06-2026	23-06-2026 11:30 a.m. Through EPADS	23-06-2026 12:00 Noon Through EPADS

Bidding document can be obtained or downloaded from EPADS (www.portalsindh.eprocure.gov.pk) and the websites www.iccs.edu and must be submitted through EPADS as per above schedule.

The tender fee amounting Rs. 1000/- (non-refundable) must be deposited in United Bank Limited Account No. **291497301** entitled **"International Center for Chemical and Biological Sciences Tender Account"**. The original Deposit Slip / Online Deposit Receipt must be submitted along with the bid.

Earnest Money must be submitted with 2% of the bid value in shape of Pay Order in favor of **"International Center for Chemical and Biological Sciences Tender Account"** till tender submission time in ICCBS purchase office.

Only uploaded bid (duly signed and stamped) along with supporting documents will be accepted. Alternate bid/option should accompany separate Earnest Money. The Procuring Agency may reject all or any bid subject to the relevant provision of SPP Rule No. 25.

For details or any information

Contact:

UAN: 111-222-292 (154)



DIRECTOR

Contact Person: Prof. Dr. Asmat Salim
Lab No: P-132
Email: asmat.salim@iccs.edu,
Dr. Panjwani Center for Molecular Medicine and Drug Research
University of Karachi, Karachi-75270.

Tender Specifications or Equivalent:

S. No.	Name of Items	Qty	Specification
1.	Biosafety Cabinet	02	1.2 m Class 2 A2 Biological Safety Cabinet with UV Light and adjustable floor stand Filter Efficiency 1.0000 Filter Type H14 HEPA Voltage 230 V Frequency 50/60 Hz Lighting LED Ports 2 x Each Side plus Smart Ports Sash Opening 7.8 in. Width Exterior 51.1 in. Certifications/Compliance EN 12469, DIN ISO 14644-1 cleanroom / GMP compatibility certificate Chamber Material Stainless Steel Outlets 2 Rear Wall Product Type Factory Acceptance Testing Documentation 01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.
2.	CO₂ Incubator	02	CO ₂ Incubator with 02 compatible stacking adapters and 02 roller bases Capacity: 165L Direct Heat Chamber Material: Copper

		<p>Material: Stainless Steel</p> <p>Sensor: IR Sensor</p> <p>Temperature Range: Ambient +3°C to 55°C</p> <p>Dimensions (L x W x H) 34.6 x 25.1 x 35.4 in.</p> <p>Electrical Requirements 230 V, 50/60 Hz</p> <p>Humidity Source Protected integrated water reservoir</p> <p>Lighting LED</p> <p>CO₂ Concentration Range 1 to 20%</p> <p>Steri-Run High-Temperature Sterilization Cycle</p> <p>180°C cycle for uniform 6-log sterilization on all chamber surfaces</p> <p>Oxygen Control: 1 to 21% (hypoxic) and 5 to 90% (hyperoxic)</p> <p>Relative Humidity >93 % at 37°C</p> <p>Filtration: Interior HEPA filter for ISO Class 5 chamber conditions, exterior HEPA filter to particulate control</p> <p>Data and Connectivity: USB, 4-20mA, Connect Edge, and OPC-UA Gateway for 21 CFR Part 11-compliance and GMP needs.</p> <p>Certified cleanroom compatible, ISO Class 5, GMP Grade A/B environments, FAT documentation</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
3.	<p>Inverted Microscope with Phase contrast and Camera system</p>	<p>02</p> <p>Main body with eyepiece, camera port with 100% light distribution camera adapter, pillar, nosepiece, condenser, acrylic stage ring, dust cover</p> <p>Optical System: Infinity Optical System</p> <p>Observation method: Bright Field, Phase Contrast</p> <p>Diascopic illumination: High luminescent white LED illuminator (Eco-illumination), Built-in Fly eye lens</p> <p>60,000 hours lifetime guarantee</p> <p>Tube: Inclination: 45 degree, Pupillary distance: 50-75 mm, Siedentopf type</p> <p>Fixed camera port, Eyepiece/Port: 100:0% 0:100% for simultaneous imaging and microscopy</p> <p>Eyepiece (F.O.V.): 10x (22mm FOV) both diopters focusable</p> <p>Focusing: Via nosepiece up/down movement, Stroke (manual): Up 7 mm, down 1.5 mm Coarse stroke: 37 mm per rotation, Fine stroke: 0.2 mm per rotation, Coarse motion torque adjustable</p> <p>Quintuple nosepiece</p> <p>Condenser: Extra Long Working Distance ELWD Condenser (NA 0.3, W.D. 75 mm) or higher</p> <p>Objectives:</p>

			<p>a. Plan Fluor 4X N.A. 0.13, W.D. 16.4 mm, PhL or better b. Achromat 10X N.A. 0.25, W.D. 7.0 mm, Ph1 or better c. Achromat 20X N.A. 0.40, W.D. 3.1 mm, Ph1 or better d. Achromat 40X N.A. 0.55, W.D. 2.7-1.7 mm, Ph2 or better</p> <p>Phase Contrast Slider: Pre-centered PH Slider for Phase Contrast objectives 4x, 10x, 20x, 40x Stage: Mechanical stage, stroke : 126 (X) x78 (Y) mm or more</p> <p>Digital Camera System With Imaging Software Wi-Fi connectivity for wireless live view and image transfer Type: CMOS image sensor with 17.7 effective megapixels or more Sensor size: 1.0 inch type with pixel size of 2.4 μm \times 2.4 μm or better Frame rate: Minimum 17 fps at full 17.7 megapixel resolution or higher USB 3.2 Type-C (Gen 2) and USB 3.2 Type-A (Gen 1) interfaces HDMI output for direct connection to external monitors USB Power Delivery (USB-PD) support C-mount lens compatibility Color space support: sRGB and AdobeRGB One-push manual white balance with auto white balance support Fully automatic assignment of geometric scaling based on objective lens Measurement tools included as standard: Two-point distance, point to line distance, circle diameter, circle radius, circle area, angle measurement, pitch distance Positioning functions: Scale indication, cross-hairs overlay, grid overlay, XY scale display, XY measurement Image processing functions: Contrast, brightness, gamma correction, color correction, smoothing, sharpening, geometric corrections Interactive measurement tool for on-screen real-time measurement Post-processing capabilities for captured images</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
4.	Fluorescence Inverted Research-Grade Microscope System (Motorized)	01	<p>Microscope Type</p> <p>Research-grade inverted motorized fluorescence microscope Suitable for brightfield, phase contrast, DIC, and epi-fluorescence Fully motorized platform designed for advanced cell biology and live-cell imaging Minimum 25 FOV of entire optical system</p> <p>Illumination</p> <p>High-power LED transmitted light source Transmitted light ON/OFF switch and continuous intensity control LED lifetime \geq 20,000 hours No mercury or xenon lamps permitted</p> <p>Motorization (Mandatory)</p> <p>The microscope must include full motorization of the following:</p>

Motorized Nosepiece
Objective escape function
Motorized Fluorescence filter turret
Motorized Optical path changeover
Motorized XY Stage
Motorized Focusing mechanism
Motorized auto focus for time lapse imaging
Motorized Condenser turret rotation

Focusing System

Motorized coaxial coarse and fine focusing
Focus stroke: minimum 10 mm
Minimum focus step:
 $\leq 0.01 \mu\text{m}$ (encoder controlled)
Integrated automatic focus drift compensation
 Must correct both static and dynamic focus drift
 Continuous operation during long-term imaging

Stage

Motorized XY stage with encoders
Travel range (minimum):
 X-axis: ± 57 mm
 Y-axis: ± 36.5 mm
Maximum travel speed: ≥ 25 mm/sec
Magnetic sample holder
High positional repeatability suitable for tiling and time-lapse imaging

Observation Optics

Eyepieces: 10 \times , both focusable
Field of view: ≥ 22 mm
Observation tube with multiple output ports
Light distribution selectable between:
 Eyepieces
 Upper imaging port
 Rear imaging port

Condenser

Motorized condenser turret with minimum 7 positions
Extra-long working distance condenser lens
Numerical Aperture: ≥ 0.29
Suitable for phase contrast and DIC

Nosepiece

Motorized sextuple (6-position) objective nosepiece
Integrated with automatic focus stabilization system
Must support oil, dry, and long working distance objectives

Contrast Techniques

Differential Interference Contrast (DIC)

Contrast control using Senarmont method
Rotatable polarizer
Individual objective-side prisms

Phase Contrast

Extra-long working distance phase modules
Compatible with multiple phase annuli (PH-1, PH-2)
Cover glass correction capability

Intermediate Optics

Manual intermediate magnification changer:

1.0× / 1.5×

System must detect and record magnification status

Bertrand lens:

Manual IN/OUT

Manual focus

Epi-Fluorescence System

LED-based epi-fluorescence illuminator

Motorized sextuple fluorescence filter turret

Large-diameter fluorescence optics

Expanded optical light path enabling:

Field number ≥ 25 mm at imaging port

Optimized for large-format CMOS sensors

Capability to capture approximately double the area compared to conventional optics

Fluorescence Filter Sets (Minimum)

System must include filter sets equivalent to:

DAPI-U Filter Cube (EX395/25, DM425, EM460/50)

FITC Filter Cube (EX480/40, DM510, EM535/50)

mCherry Filter Cube (EX570/40, DM600, EM645/75)

YFP Filter Cube (EX500/20, DM515, EM535/30)

CY5 Filter Cube (EX 620/60, DM660, EM700/75)

Objectives (Minimum Supplied)

The system must include plan-corrected, apochromatic and fluorite-class objectives with the following minimum specifications:

10× | NA ≥ 0.45 | WD ≥ 4.0 mm

20× Extra-Long Working Distance | NA ≥ 0.45 | WD ≥ 6.9 mm

| Phase contrast | Cover glass correction

40× High-NA Oil | NA ≥ 0.95 | Spring-loaded | Cover glass correction

40× Extra-Long Working Distance | NA ≥ 0.60 | Phase contrast | Cover glass correction

60× Oil Immersion | NA ≥ 1.42 | Spring-loaded

60× Extra-Long Working Distance | NA ≥ 0.70 | Phase contrast | Cover glass correction

100× Oil Immersion | NA ≥ 1.45 | Spring-loaded

Digital Camera System

Scientific large-format color CMOS camera

Effective resolution: ≥ 23 megapixels

Sensor size approximately 36×24 mm

Pixel array: $\geq 6000 \times 3984$

Live image display:

Full resolution ≥ 9 fps

HD resolution ≥ 60 fps

High sensitivity, low noise performance

ISO equivalent range selectable up to ≥ 8000 (color) and ≥ 32000 (mono)

Exposure time range: $100 \mu\text{s}$ to ≥ 120 s

Automatic, continuous automatic, and manual exposure modes

USB 3.x interface and external trigger support

Power supply: 100–240 V, 50/60 Hz

			<p>Image Acquisition & Analysis Software</p> <p>Top-tier research software with:</p> <ul style="list-style-type: none"> Full automated microscope and camera control Single to multi-dimensional acquisition: <ul style="list-style-type: none"> Z-stack, time-lapse, multi-channel, spectral Live cell imaging with real-time analysis 2D and 3D measurement tools Intensity-based and morphology-based analysis Object tracking and cell tracking Multi-channel binary analysis tools Large-area tiled and stitched imaging Extended Depth of Focus (EDF) Export-ready datasets and image formats <p>Computer System</p> <ul style="list-style-type: none"> Intel Core i7 or higher 16 GB RAM minimum 250 GB SSD + 500 GB HDD Dedicated NVIDIA graphics card (\geq 4 GB) 24-inch LED monitor <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
5.	Centrifuge (Low Speed)	02	<p>Benchtop</p> <p>Capacity 4 L</p> <p>Swing Bucket 4 x 1000 mL</p> <p>Include Adaptors for 15mL, 50mL, 500mL and Biocontainment Certified Lids.</p> <p>Biocontainment certification by Public Health England, Porton Down, UK or TÜV NORD CERT GmbH, Germany</p> <p>Minimum Speed with Full Load 4 x 1000 should be more than 4,000 RPM.</p> <p>Must have a customizable Pulse button.</p> <p>Must have Data logged and logs accessed Button and exportable in PDF and CSV format.</p> <p>Should have 2 modes of centrifuge access: open and secure.</p> <p>Must have up to 100 run programs with step programming.</p> <p>Must be compatible with Class ISO 6 according to DIN EN ISO 14644-1.</p> <p>Must have imbalance detection, finger-pinch prevention, crash-proof construction.</p>

			<p>Speed and Timer Count up or down in increments of 1.</p> <p>Certifications/Compliance Certifications: EN/UL/IEC 61010-1, EN/UL/IEC 61010-2-020 and 61010-2-101, EN/UL/IEC 61326-1, EN/UL/IEC 61326-2-6, FCC part 15. Standards: ISO 14971, ISO 13485, ISO 9001</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliance.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
6.	Centrifuge (High Speed)	02	<p>General Purpose Centrifuge with Fixed Angle Capacity 6 x 100 mL should include Adaptors for 15mL, 50mL, and Lid with Biocontainment certification by Public Health England, Porton Down, UK or TÜV NORD CERT GmbH, Germany.</p> <p>Additional Rotor 48 x 2mL</p> <p>Minimum Speed with Full Load 6 x 100 should be more than 10,000 RPM. - Fixed Angle</p> <p>Minimum Speed with Full Load 48 x 2mL should be more than 15,000 RPM.</p> <p>Must have a customizable Pulse button.</p> <p>Must have Data logged and logs accessed Button and exportable in PDF and CSV format.</p> <p>2 modes of centrifuge access: open and secure.</p> <p>Must have up to 100 run programs with step programming.</p> <p>Must have imbalance detection, finger-pinch prevention, crash-proof construction.</p> <p>Speed and Timer Count up or down in increments of 1.</p> <p>Temperature Range -20°C to +40°C</p> <p>Sample temperature in increments of 1 degree.</p>

			<p>Certifications/Compliance Certifications: EN/UL/IEC 61010-1, EN/UL/IEC 61010-2-020 and 61010-2-101, EN/UL/IEC 61326-1, EN/UL/IEC 61326-2-6, FCC part 15. Standards: ISO 14971, ISO 13485, ISO 9001</p> <p>Standards & Compliance:</p> <p>Must be compatible with Class ISO 6 according to DIN EN ISO 14644-1.</p> <p>ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
7.	Fridge 4°C	02	<p>Glass Door Laboratory Refrigerators Capacity:300 – 350Litres Temperature Range: 3°C to 7°C Temperature (Setpoint): +5°C Door Style: 1 Glass door Shelves: 4 - 6 Adjustable Cabinet Material: Painted Steel Monitoring Options: Remote Alarm Contacts, Access Security: Key Lock</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
8.	Freezer-20°C	02	<p>Freezers–Boxed Capacity:400L Temperature Range -25°C to -15°C (-20°C) Temperature (Setpoint) -20°C Door Style Solid, No. of Doors 1 Cabinet Material Steel Interior Painted Steel Exterior</p>

			<p>Finish Shelves 4 Adjustable Control Type Digital Microprocessor Ports 1 Rear Access Port Defrost Adaptive Defrost: Manual Monitoring Options Alarm, Access Security Key Lock Smart-View Pro Compatible Chart Recorder: Optional</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
9.	Freezer-80°C	01	<p>Ultra-Low Temperature Freezer Capacity: 500Liters/ 40,000 sample vials, or more Temperature Range: -50°C to -86°C Peak variation -80C should be +6/-4 Must have 4 Inner Doors Must have Environmentally friendly, polyurethane foam with non-HFC blowing agent is compliant with SNAP and EU F-gas regulations Must Have Natural hydrocarbon refrigerants Interior Stainless Steel: Shelves 3 RackCapacity6: Holds 2in. Boxes (300) Style Upright Defrost Auto / Manual Monitoring Options Alarm Door Recovery should time should be less than 16 minutes Must have Security features including alarm settings and key- lock door</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
10.	Water Bath	02	<p>Chamber Material Stainless Steel Controller Type Digital Display Monochrome LCD Heating Capacity1200 w Includes Clear Polycarbonate Gable Cover and Rubber Duck Material Epoxy Powder-coated Steel Temperature Presets4 Capacity (Metric)20 L</p>

			<p>Temperature Range Ambient to 100°C Certifications/Compliance, CE</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
11.	Liquid Nitrogen Tank 5000 Vials	01	<p>LN2 with factory installed level monitor</p> <p>Portable Sample Storage Vessel</p> <p>Storage Type: Manual Fill / Rack & Box</p> <p>LN2 Capacity:185 Liters</p> <p>Neck Diameter: 8.5inch/21.5cm Static Holding Time: 185 Days</p> <p>Number of 1.2/ 2mL vial racks :6 Box Capacity Per Rack: 10</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
12.	Cell Analyzer	01	<p>2 Lasers 6 Colors Analyzer</p> <p>The flow cytometer is designed specifically for scientific research applications. Advanced performance, easy installation and operation. Simplified system settings, data collection, and result analysis functions have been integrated into the workflow of ModelFlower software. Up to 3 lasers and 16 channels, supporting original machine upgrades, optional 561nm laser.</p> <p><u>TECHNICAL SPECIFICATION</u></p> <p>Optical</p> <p>Laser Specifications</p> <p>Laser constant temperature control at 25°C.</p> <p>Blue Laser Wavelength: 488 nm; Power: 50 mW; Red Laser Wavelength: 638 nm; Power: 70 mW; Violet Laser Wavelength: 405 nm; Power: 60 mW;</p>

Beam spot size: 15 μm x 80 μm .

Emission Optics

Flow-cell lens > 1.2 NA

Flow Cell dimensions: 420 μm x 180 μm inner chamber

Detector

Constant temperature control at 25°C.

Scatter light and Fluorescence delivered by fiber optics to

Avalanche Photo Diode detector arrays.

Side Scatter Resolution: Enables separation of 0.1 μm beads from noise

Performance

Forward and Side Scatter Resolution

Scatter performance is optimized for resolving the white blood cell subsets (lymphocytes, monocytes, and granulocytes), red blood cells and platelets.

Sensitivity

FITC: < 30 molecules of equivalent soluble fluorochrome (MESF-FITC)

PE: < 10 molecules of equivalent soluble fluorochrome (MESF-PE)

APC: < 10 molecules of equivalent soluble fluorochrome (MESF-APC)

PB450: < 10 molecules of equivalent soluble fluorochrome (MESF-PB450)

Fluorescence Resolution

Coefficient of variation: Area of < 2%.

Electronics

Data Acquisition Rate

70,000 events with beads.

Data Resolution

Fully digital system with 6.7 decades dynamic range 22 bit

Signal

Pulse area, height ,width for every channel

Fluidics

Sample Flow Rates

10-240 uL/min continuously viable

Pre-set Flow Rates: 10, 60 and 120 µL/min

Fluid Capacity: Standard 5L tanks

Sheath Fluid Consumption: 15 mL/min

Automated Maintenance Cycles

Startup (initialize), sample mix, prime, shutdown (daily clean), deep clean. One-touch maintenance

Absolute counting by volumetric method

Adopt high-precision metering pump without worrying about clogging

Autoloader

Configured with autoloader for free

Compatible with various types of plate adapters:

96-well standard (flat, U- and V-bottom) plates,

40-tube racks : 5 mL (12 x 75 mm) polystyrene and polypropylene

40-EP tube racks : 1.5 mL and 2 mL microcentrifuge

Patented sampling probe mixing design

Inner and outside cleaning of sampling probe by a swab

Carryover< 0.05%.

Software

ModelFlower Software, fully featured proprietary application with exportable file formats for offline analysis, if desired. The completed results can also be analyzed while detecting new ones. The ModelFlower enables direct exporting of the diagnosis report with free layout of the content, and you can have a customized design for it.

Embedded cytokine analysis function, no need of third-party software.

Automatic quality control for monitoring the instrument status.

			<p>Detailed and comprehensive fault monitoring and alarming functions, Intelligent identification of probe clogging, sample exhaustion, sampling probe striking and other abnormalities.</p> <p>Language</p> <p>English and Chinese</p> <p>Data Format</p> <p>FCS 2.0,FCS 3.0, FCS 3.1, CSV</p> <p>Flexible configuration of LIS export content format.</p> <p>Compensation</p> <p>Fast/automatic fluorescence compensation</p> <p>Ability to import/export compensation values between experiments, using compensation library function. Absolute linear gain amplification, enabling the use of compensation settings between experiments and sample types</p> <p>Quality Control</p> <p>Auto daily QC routine with Levey-Jennings tracking and logging</p> <p>Installation</p> <p>Dimensions (H x D x W): 445 *420 *390</p> <p>Weight: 30 kg</p> <p>Voltage: 100 V ~ 240 V</p> <p>Power: 160W</p> <p>Operating Condition Temperature: 15-30 °C</p> <p>Humidity: 15% RH-80% RH, Non-Condensing</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
13-16.	Flow Cytometer Accessories	01	PCBA VPX-Channel DAQ 3U SORP
		01	Waste Level Sensor 6-SW 24V 10.6in Stem
		01	Pm Kit Mini-Fortessa X-20
		01	BD FACS Diva CS&T Research Beads kit 50T
17.	Single Channel Micropipette (1-10µL)	02	<p>Variable volume Signal Channel Pipette Fully Autoclavable without disassembly. Adjustment wheel, Push Button for Securing Adjusted Volume. Must be made of PVDF components to stand up harsh chemicals and the damaging effects of UV light. Must have Detachable Tip cone.</p>

			<p>150% air boost for efficient delivery of micro-volumes and prevent capillary action. Must be certified to meet standards—ISO 9001, ISO 14001, and ISO 13485</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration). Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. GMP Compliant.</p> <p>01 Year Manufacturer Warranty</p>
18.	Single Channel Micropipette (10–100µL)	04	<p>Variable volume Signal Channel Pipette. Fully Autoclavable without disassembly. Adjustment wheel, Push Button for Securing Adjusted Volume. Must be made of PVDF components to stand up harsh chemicals and the damaging effects of UV light. Must have Detachable Tip cone. Must be certified to meet standards—ISO 9001, ISO 14001, and ISO 13485</p> <p>01 Year Manufacturer Warranty.</p>
19.	Single Channel Micropipette (100–1000µL)	04	<p>Variable volume Signal Channel Pipette. Fully Autoclavable without disassembly. Adjustment wheel, Push Button for Securing Adjusted Volume. Must be made of PVDF components to stand up harsh chemicals and the damaging effects of UV light. Must have Detachable Tip cone. Must be certified to meet standards—ISO 9001, ISO 14001, and ISO 13485</p> <p>01 Year Manufacturer Warranty</p>
20.	Single Channel Micropipette (5–50µL)	02	<p>Variable volume Signal Channel Pipette. Fully Autoclavable without disassembly. Adjustment wheel, Push Button for Securing Adjusted Volume. Must be made of PVDF components to stand up harsh chemicals and the damaging effects of UV light. Must have Detachable Tip cone. Must be certified to meet standards—ISO 9001, ISO 14001, and ISO 13485</p> <p>01 Year Manufacturer Warranty</p>
21.	Single Channel Micropipette (2–200µL)	02	<p>Variable volume Signal Channel Pipette. Fully Autoclavable without disassembly. Adjustment wheel, Push Button for Securing Adjusted Volume. Must be made of PVDF components to stand up harsh chemicals and the damaging effects of UV light. Must have Detachable Tip cone. Must be certified to meet standards—ISO 9001, ISO 14001, and ISO 13485</p> <p>01 Year Manufacturer Warranty</p>
22.	Single Channel Micropipette	01	<p>Variable volume Signal Channel Pipette. Fully Autoclavable without disassembly. Adjustment wheel, Push Button for Securing Adjusted Volume. Must be made of PVDF components to stand up harsh chemicals</p>

	(0.5–5 mL)		<p>and the damaging effects of UV light. Must have Detachable Tip cone. 150% air boost for efficient delivery of micro-volumes and prevent capillary action. Must be certified to meet standards—ISO 9001, ISO 14001, and ISO 13485</p> <p>01 Year Manufacturer Warranty</p>
23.	Multi-channel pipette (5–50µL)	01	<p>Variable volume Multi Channel Pipette. Fully Autoclavable without disassembly. Adjustment wheel, Push Button for Securing Adjusted Volume. Must be made of PVDF components to stand up harsh chemicals and the damaging effects of UV light. Must have Detachable Tip cone. Must be certified to meet standards—ISO 9001, ISO 14001, and ISO 13485.</p> <p>01 Year Manufacturer Warranty</p>
24.	Multi-channel pipette (30–300µL)	01	<p>Variable volume Multi Channel Pipette. Fully Autoclavable without disassembly. Adjustment wheel, Push Button for Securing Adjusted Volume. Must be made of PVDF components to stand up harsh chemicals and the damaging effects of UV light. Must have Detachable Tip cone. Must be certified to meet standards—ISO 9001, ISO 14001, and ISO 13485</p> <p>01 Year Manufacturer Warranty</p>
25.	Pipette Aid	04	<p>Pipette Compatibility: All major brands of glass or plastic serological pipettes, 1ml to 100 ml Aspirate Speeds:8 Speed options Dispense Speeds: 8 Speed options (+ gravity dispense) Battery: Lithium-ion Recharge Time: 3 - 4 hours Autoclavable silicone rubber Filter Assembly: 0.45 micron</p> <p>01 Year Manufacturer Warranty</p>
26.	Water Purification System	01	<p>Bacterial retention 99% Conductivity Type 1: 0.055µS/cm; Type 2: 0.1 - 1.0µS/cm DescriptionLabTower EDI 15L/hr. with integrated 100L tank Feedwater Pressure1 to 6 bars Operating Pressure2 to 6 bar Particles >0.2µM/mL<1 Permeate performance 15 L/hr. at 15°C Bacterial Content<0.1 CFU/mL Feed Water MonitoringYes Feedwater Connector3/4 in. NPT Flow Rate1.5 L/min. Resistivity Type 1: 18.2 Mohm.cm at 25°C; Type 2: 10 to 15 Mohm.cm at 25°C Total Organic Carbon1 to 5 ppb Standards & Compliance: ISO 13485 and any one of the following:</p>

			<p>510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
27.	pH meter	01	<p>pH/mV Meter Standard Kit Temperature Range -5.0°C to +105.0°C Range (mV)±2000.0 Temperature selection: Manual or automatic with ATC temperature probe Universal 100-240 V 50/60 Hz</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
28.	Orbital Shaker	01	<p>Display Touchscreen</p> <p>Electrical Requirements 100–240 V, 50/60 Hz</p> <p>Includes 18 x 18 in. platform</p> <p>Load Bearing Capacity (English) 70.5 lb.</p> <p>Product Type Shaker</p> <p>Refrigerated free</p> <p>Rotation Orbital</p> <p>Certifications/Compliances Cert, UL (Canada/US) File E311968, UK Mark</p> <p>Load Bearing Capacity (Metric) 32 kg</p> <p>Orbit 25 mm</p> <p>Speed Range 15 to 525 rpm</p> <p>Temperature Range (Metric) 4°C to 60°C</p> <p>Voltage 100–240 V, 50/60 Hz</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified</p>

			personnel.
29.	Analytical Balance	01	<p>Capacity: 220 g</p> <p>Readout d: 0.1 mg</p> <p>Reproducibility: 2 d</p> <p>Linearity (g): ±3 d</p> <p>Tare Range: 220 g</p> <p>Calibration weight: 200 g</p> <p>Weighting Plate: Φ 80 mm</p> <p>Minimum Weight: 10 d</p> <p>Stabilization Time: <4 s</p> <p>Operating Temperature: 20°C ± 2°C</p> <p>Humidity: 45~60% R.H.</p> <p>Interface: RS232</p> <p>Dimension (WxLxH): 220x360x345 mm</p> <p>Power Supply: 230 V</p>
30.	Gel Documentation System	01	<p>Camera Type: CCD</p> <p>Dimensions 68 x 38 x 60 cm</p> <p>Field 22.5 cm x 18.0 cm (WxD)</p> <p>Format Image formats: G2i (proprietary), TIFF, JPG, PNG, PDF</p> <p>Resolution: 9.1 MP</p> <p>Software iBA Analysis Software</p> <p>For Use with Chemiluminescence Western Blot Imaging</p> <p>Product Line: iBright</p> <p>Product Type: Imaging System</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
31.	Vertical gel Electrophoresis with power supply	01	<p>Type Mini-Cell Mini-Vertical Electrophoresis System</p> <p>Easy handling and leak-free system without any clamps or grease.</p> <p>Capacity 2 Mini-gels</p> <p>Gel Compatibility Novex Mini Gels, NuPAGE Gels</p> <p>Gel cassette: 10 x 10 cm</p> <p>Thickness: 1.0 mm or 1.5 mm</p> <p>Format: Standard or WedgeWell</p>

			<p>Gel Size Mini (8 x 8 cm)</p> <p>Buffer chamber Requirement</p> <p>Upper chamber: 200 mL Lower chamber: 600 mL</p> <p>Material: Polycarbonate</p> <p>Unit dimensions</p> <p>14 x 13 x 16 cm (height with lid)</p> <p>Max. Voltage 500 VDC / 75 Watts</p> <p>Compatible power supply</p> <p>Applications and Uses</p> <p>Polyacrylamide gel electrophoresis (PAGE or SDS-PAGE) 2-D gel electrophoresis</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
32.	<p>Spectrophotometer</p> <p>(With Software)</p>	01	<p>Drift<0.0005 A/hr., 500 nm, 1.0 nm SBW, 1 hour warmup</p> <p>Electrical Requirements100/240 V, 50/60 Hz selected automatically, 150 W maximum</p> <p>Green FeaturesACT Ecolabel (Gold)</p> <p>Includes Evolution One Plus UV-Vis Spectrometer</p> <p>Lamp Life>5 years or longer if not using live signal</p> <p>Noise</p> <p>0A: ≤0.00015 A 1A: ≤0.00025 A 2A: ≤0.00050 A 260 nm, 1.0 nm SBW, RMS<</p> <p>Optical DesignDouble-beam with sample and reference cuvette positions Czerny-Turner Monochromator</p> <p>Pharmacopoeia Compliance Testing Photometric Accuracy (60mg/L K₂Cr₂O₇): ±0.010A Stray Light: ≤1%T at 198 nm: KCl; ≤0.05%AT at 220 nm: NaI, KI Wavelength Accuracy: ±.5 nm 541.9, 546.1nm Hg emission lines,</p>

			<p>±0.8 nm full range Wavelength Repeatability: ≤0.05 nm, repetitive scanning of 546.1 nm Hg emission line</p> <p>Photometric Accuracy 1 A: ±0.004 A, 2 A: ±0.008 A, Measured at 440 nm using neutral density filters traceable to NIST</p> <p>Photometric Repeatability 1 A: ±0.0002 A</p> <p>Scan Ordinate Modes Absorbance, % Transmittance, % Reflectance, Kubelka-Munk, log (1/R), log (Abs), Abs*Factor, Intensity</p> <p>Scan Speed <1 to 6000 nm/min. (Variable)</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
33.	Ice maker	01	<p>Ice Making Capacity: 20 kg/24h</p> <p>Ice Storage Capacity: 10 kg</p> <p>Ice Shape: Small particles of irregular snow ice</p> <p>Refrigerant: R290</p> <p>Way of Condensation: Air Cooling</p> <p>Ambient Temperature: 10°C to 35°C</p> <p>Water Temperature: 2°C to 15°C</p> <p>Standard Accessories:</p> <p>Water Inlet Pipe, Drainage Pipe, Ice Spoon, Filter</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified</p>

			personnel.
34.	Real time PCR	01	<p>Sample capacity, wells: 96-well (Deep well)</p> <p>Sample size, 10-125µl</p> <p>Heating and cooling method: Peltier</p> <p>Temperature</p> <p>Range, 4–100°C</p> <p>Lid, 30–110°C</p> <p>Accuracy, ±0.2 °C of programmed target at 90°C</p> <p>Uniformity, °C ±0.4 well-to-well after 10 sec of arrival at target</p> <p>Gradient</p> <p>Operational range, 30–100°C</p> <p>Programmable span, 1–24°C</p> <p>Optical Detection</p> <p>Excitation</p> <p>6 filtered LEDs</p> <p>Detection</p> <p>6 filtered photodiodes, Range of excitation wavelengths, 450–680 nm</p> <p>Range of emission wavelengths, 515–730 nm</p> <p>Sensitivity</p> <p>Detects 1 copy of target sequence in human genomic DNA</p> <p>Multiplex Analysis: Upto 5 targets per well</p> <p>Software</p> <p>Operating systems: Windows 10</p> <p>System</p> <p>Communication interface: USB 2.0</p> <p>Electrical approvals: IEC, CE</p> <p>Dimensions (W x D x H), 33x56x36 / 13x22x14 cm/in</p> <p>Weight, 22/48 kg/lb</p> <p>Touch Screen and Operate both as Stand-alone unit (independent) and along with Software (Required with Real Time PCR)</p> <p>Adjustable from 15°–22°</p> <p>Embedded Operating System: Windows 10</p>

			<p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
35.	Computer system	01	<p>Dell Tower Computer,mt Intel Core i7</p> <p>14700 up to 5.4 GHz, 33 MB Cache & 20</p> <p>Cores Ram 8GB DDR5, 512GB PCIe NVMe e</p> <p>Keyboard +Mouse Dell E2225HM 21.5</p> <p>1-Year Warranty</p>
36.	Nanodrop	01	<p>Compatibility DYMO 550 Turbo printer, Bluetooth keyboard, mouse and barcode reader</p> <p>Concentration dsDNA: Pedestal: 27,500 ng/μL BSA (IgG): Pedestal: 820 (400) mg/mL</p> <p>Connections 2x USB-A Ports, 1x USB-C Port, Ethernet, Bluetooth™, Wi-Fi</p> <p>Detection Range dsDNA: Pedestal: 1.0 ng/μL, Cuvette: 0.2 ng/μL, BSA (IgG): Pedestal: 0.03 (0.015) mg/mL, Cuvette: 0.006 (0.003) mg/mL</p> <p>For Use With Nucleic Acid A260, A260/A280, A260/A230 and Labeled Nucleic Acids, Oligos;, Protein A280 and A205, Protein Pierce 660, Protein Bradford, Protein BCA, Protein Lowry, Labeled Proteins, OD600, UV-Vis, and Custom Methods, Acclaro Pro Applications</p> <p>Includes ND Ultra Microvolume Spec</p> <p>Keypad Built-in touchscreen</p> <p>Measurement Time Standard: ≤7 sec Acclaro Pro:</p> <p>Repeatability Typical: 0.002 A (1.0 mm path) or 1%CV, whichever is greater (SD of 10 individual measurements at 0.97 A)</p> <p>Sample Volume Min 1μL</p> <p>System Requirements Windows 10 or Windows 11</p> <p>Wavelength Accuracy±1 nm</p> <p>Detector Type2048-element CMOS Linear Image Sensor</p>

			<p>Light Source Xenon Flash</p> <p>Spectral Bandwidth 1.8 nm</p> <p>Wavelength Range 190 to 850 nm</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliance.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>
37.	ELISA Reader (With software)	01	<p>Measurements b/w the wavelength of 340-850 nm with end point, to point and kinetic measurement method.</p> <p>Standards & Compliance: ISO 13485 and any one of the following: 510(k) FDA (Food & Drug Administration) / European MDD 93/42/EEC (Medical Device Directive) / Japanese MHLW (Ministry of Health, Labor & Welfare)/ JIS for specific quoted model / series. Documentary evidence of Original Equipment Manufacturer and Certificate of Origin. Equipment Should be GMP Compliant.</p> <p>01 Year Manufacturer Warranty. Authorized dealer certificate Assurance of after sales service with availability of certified personnel.</p>

TOTAL ESTIMATED COST IN PKR: A b o v e 5.0 MILLION

Instructions to bidders

Preparation of Bids

- 1. Scope of Work** **Import of Scientific Equipment for GMP Facility** for Dr. Panjwani Center for Molecular Medicine and Drug Research.

- 2. Method and procedure of Procurement** National Competitive Bidding **Single Stage One Envelope Procedure** as per SPP Rules 2010 (updated 2013)

- 2. Language of Bid** The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency, shall be written in the English language

- 3. Documents Comprising the Bid** The bid prepared by the Bidder shall comprise the following components:
 - (a) Price Schedule completed in accordance with ITB Clauses 4, 5 and 6.
 - (b) Bid security furnished in accordance with ITB Clause 9.

- 4. Bid Prices**
 - 4.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the Equipment it proposes to supply under the contract.
 - 4.2 the prices shall be quoted on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location specified in the Schedule of Requirements. No separate payment shall be made for the incidental services.
 - 4.3 Prices quoted by the Bidder shall be fixed during the Bidder's performance of the contract and not subject to variation on any account, unless otherwise specified in the Bid Data Sheet.
 - 4.4 Prices shall be quoted in Pak Rupees unless otherwise specified in the Bid Data Sheet. The conversion of the foreign currency currency in Pak rupees should be mentioned in case of C&F prices.

- 5. Bid Form** The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating chemicals to be supplied, description of the chemicals and prices.
- 6. Bid Currencies** Prices Shall be quoted in Pak Rupees or equivalent to Pak rupees in case when the prices are being quoted on C&F basis
- 7. Documents Establishing Bidder's Eligibility and Qualification** The Bidder shall furnish, as part of its bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.
- (a) that the Bidder has the financial and technical capability necessary to perform the contract;
 - (b) that the Bidder meets the qualification criteria listed in the Bid Data Sheet.
- The documentary evidence of conformity of the / Import of equipment to the bidding documents may be in the form of cat number, part number etc., and shall consist a detailed description of the essential technical and performance characteristics of the system.
- 8. Documents' Eligibility and Conformity to Bidding Documents**
- 9. Bid Security**
- 9.1 The bid security is required to protect the Procuring agency against the risk of Bidder's conduct, which would warrant the security's forfeiture
- The bid security shall be denominated in the currency of the bid:
- (a) at the Bidder's option, be in the form of either demand draft/call deposit or an unconditional bank guarantee from a reputable Bank ;
 - (b) be submitted in its original form; copies will not be accepted;
 - (c) remain valid for a period of at least 14 days beyond the original validity period of bids, or at least 14 days beyond any extended period of bid validity
- 9.2 bid security shall be released to the unsuccessful bidders once the contract has been signed with the successful bidder or the validity period has expired.
- 9.3 The successful Bidder's bid security shall be discharged upon the Bidder signing the contract, and furnishing the performance security.

- 9.4 The bid security may be forfeited:
- (a) if a Bidder withdraws its bid during the period of bid validity or
 - (b) in the case of a successful Bidder, if the Bidder fails:
 - (i) to sign the contract in accordance or
 - (ii) to furnish performance security

**10. Period of
Validity of
Bids**

- 10.1 Bids shall remain valid for the period specified in the Bid Data Sheet after the date of bid submission prescribed by the Procuring agency. A bid valid for a shorter period shall be rejected by the Procuring agency as non responsive.
- 10.2 In exceptional circumstances, the Procuring agency may solicit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security shall also be suitably extended as per Rule-38 of SPP Rules, 2010 (updated 2013). A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid.

**11. Format and
Signing of Bid**

- 11.1 The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" and "COPY OF BID," as appropriate. In the event of any discrepancy between them, the original shall govern.
- 11.2 The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except for unamended printed literature, shall be initialed by the person or persons signing the bid.
- 11.3 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

Submission of Bids

12. Sealing and Marking of Bids

- 12.1 The Bidder shall seal the original and each copy of the bid in separate envelopes, duly marking the envelopes as “ORIGINAL BID” and ONE COPY. The envelopes shall then be sealed in an outer envelope. The inner and outer envelopes shall be addressed to the Procuring agency at the address given in the BDS, and carry statement **“DO NOT OPEN BEFORE 12.00 P.M. on 23-06-2026.”**
- 12.2 If the outer envelope is not sealed and marked as required, the Procuring agency shall assume no responsibility for the bid’s misplacement or premature opening.

13. Deadline for Submission of Bids

- 13.1 Bids must be received by the Procuring agency at the address specified in BDS, not later than the time and date specified in the Bid Data Sheet.
- 13.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents. In such case all rights and obligations of the Procuring agency and bidders previously subject to the deadline will thereafter be subject to the deadline as extended.

14. Late Bids

Any bid received by the Procuring agency after the deadline for submission of bids prescribed by the Procuring agency shall be rejected and returned unopened to the Bidder.

15. Modification and Withdrawal of Bids

- 15.1 The Bidder may modify or withdraw its bid after the bid’s submission, provided that written notice of the modification, including substitution or withdrawal of the bids, is received by the Procuring agency prior to the deadline prescribed for submission of bids.
- 15.2 No bid may be modified after the deadline for submission of bids.
- 15.3 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiry of the period of bid validity. Withdrawal of a bid during this interval may result in the Bidder’s forfeiture of its bid security.

Opening and Evaluation of Bids

16. Opening of Bids by the Procuring agency

- 16.1 The Procuring agency shall open all bids in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register/attendance sheet evidencing their attendance.
- 16.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Procuring agency may consider appropriate, will be announced at the opening.

17. Clarification of Bids

During evaluation of the bids, the Procuring agency may ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

18. Preliminary Examination

- 18.1 The Procuring agency shall examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 18.2 Arithmetical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- 18.3 Prior to the detailed evaluation, the Procuring agency will determine the substantial responsiveness of each bid to the bidding documents. A substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Procuring agency's determination of a bid's responsiveness is to be based on the contents of the bid itself.
- 18.4 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

19. Evaluation and Comparison of Bids

- 19.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive.

19.2 The Procuring agency's evaluation of a bid will be on delivery to consignee's end inclusive of all taxes, stamps, duties, levies, fees and installation and integration charges imposed till the delivery location.

20. Contacting the Procuring agency

20.1 No Bidder shall contact the Procuring agency on any matter relating to its bid, from the time of the bid opening to the time of announcement of Bid Evaluation Report. If the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.

20.2 Any effort by a Bidder to influence the Procuring agency in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

Award of Contract

21. Post-qualification

21.1 In the absence of prequalification, the Procuring agency may determine to its satisfaction whether that selected Bidder having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily.

21.2 The determination will take into account the Bidder's financial and technical capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 7 as well as such other information as the Procuring agency deems necessary and appropriate.

21.3 An affirmative determination will be a prerequisite for award of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

22. Award Criteria

The Procuring agency will award the contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

- 23. Procuring agency's Right to Accept any Bid and to Reject any or All Bids**
- 23.1 Subject to relevant provisions of SPP Rules 2010 (updated 2013), the Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award.
- 23.2. Pursuant to Rule 45 of SPP Rules 2010 (updated 2013), Procuring agency shall hoist the evaluation report on Authority's web site, and intimate to all the bidders seven days prior to notify the award of contract.
- 24. Notification of Award**
- 24.1 Prior to the expiration of the period of bid validity, the Procuring agency shall notify the successful Bidder in writing, that its bid has been accepted.
- 24.2 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 26, the Procuring agency will promptly notify each unsuccessful Bidder and will release their bid security.
- 25. Signing of Contract**
- 25.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
- 25.2 Within the period specified in BDS, of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.
- 26. Performance Security**
- 26.1 Within the period specified in BDS, of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.
- 26.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 25 shall constitute sufficient grounds for the annulment of the award and forfeiture of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.
- 27. Corrupt or Fraudulent Practices**
- 27.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts,

observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2009 and Rules made thereunder:

- (a) **“Corrupt and Fraudulent Practices”** means either one or any combination of the practices given below;
 - (i) **“Coercive Practice”** means any impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;
 - (ii) **“Collusive Practice”** means any arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;
 - (iii) **“Corrupt Practice”** means the offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;
 - (iv) **“Fraudulent Practice”** means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- (b) **“Obstructive Practice”** means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights provided for under the Rules.

28. Repair / Replacement

In case a procured item has to be sent anywhere outside the premises of the ICCBS (within or outside Pakistan), all expenses (logistics, duties, taxes or any other) incurred in this regard will be borne by the bidder.

Bid Data Sheet

The following specific data for chemicals and consumables to be procured shall complement, supplement, or amend the provisions in the Instructions to Bidders (ITB). Whenever there is a conflict, the provisions herein shall prevail over those in ITB.

Introduction	
ITB 1	Name and address of Procuring Agency: Dr. Panjwani Center for Molecular Medicine and Drug Research International Center for Chemical and Biological Sciences, University of Karachi Karachi-75270.
ITB 1	Name of Contract. “Import of Scientific Equipment for GMP Facility” at the Center.
Bid Price and Currency	
ITB 4	Prices quoted by the Bidder shall be as mentioned on tender advertisement.
Preparation and Submission of Bids	
ITSB 19	<i>Qualification requirements:</i> 1. Complete Company profile 2. Valid Registration with tax authorities is required 3. Minimum Annual Turnover should at least be equal to the Bid amount quoted (per year) for last 03 years. 4. 03 years relevant Experience.
ITB 7	Amount of bid security. 2 % of Bid
ITB 8	Bid validity period. 90 days
ITB-9	Performance Guarantee 5% of the P.O. Value Successful Bidders are required to deposited Performance Security in United Bank Limited Account No. 291497301 entitled " International Center for Chemical and Biological Sciences Tender Account ". The original Deposit Slip / Online Deposit Receipt must be submitted to Purchase Office, ICCBS-Uok for the issuance of Purchase Order.
ITB 10	Number of copies. One original One copy

<p>ITB 19.1</p> <p>ITB 19.2</p>	<p>Deadline for bid submission. As mentioned on tender advertisement</p> <p>Bid Opening Date: As mentioned on tender advertisement</p> <p>Note: In case of Holiday or any unavoidable circumstances on the day of bid submission / opening, the tender will be submitted / opened on the next working day at the same time.</p>
<p>ITB 20</p>	<p>Bid Evaluation: Most advantageous bid.</p>
	<p>Under following conditions, Bid will be rejected:</p> <ol style="list-style-type: none"> 1. Conditional and Telegraphic tenders/bids; 2. Bids not accompanied by bid security (Earnest Money); 3. Bids received after specified date and time; 4. Bidder submitting any false information; 5. Black Listed Firms by Sindh Government or any Entity of it. 6. The tender will liable to be rejected, if this Summery sheet utterly filled does not accompany the tender bid / quote.

SUMMARY SHEET (CNF)

(This summary sheet should be attached at the top of the bid documents)

TENDER NOTICE NO: _____

The tender summary sheet is mandatory to be filled by bidders, the tender will be rejected if this Summary sheet utterly filled does not accompany the tender bid/quote.

Serial No.	Item's Name	Make & Country of Origin	Model No. / CAT No.	Qty	Package Size (if applicable)	Bid Value	Foreign Currency (if applicable)	Conversion Rate	Price in PKR	Warranty Period	Freight Charges (if applicable)
1.											
2.											
3.											

Specifications of all the items should be attached at the end of the BoQ.

Bid Value in CNF			
Conversion Rate		Bid Value in PKR	
Total Bid Value in PKR		Earnest Money @ 2% of Total Bid Value in PKR	
Pay Order/ Demand Draft No:		Date:	
Company Name:		Phone No:	Email Address:
National Tax Number (Attach Copy):		GST / SRB Registration Number (Attach Copy):	
Signature:		Stamp / Seal:	

Note:

- All Terms & Conditions mentioned in this Tender / ICCBS Website override any conditions set by the bidder.
- The soft copy of this summary sheet is available on: URL Address: goo.gl/eZJAex

SCHEDULE OF REQUIREMENTS

S.No.	Description of service / goods	Quantity	Required Delivery Schedule in Days from the Date of Contract Award	Location
1	“Import of Scientific Equipment GMP Facility”	As per tender document	<i>C&F is Twelve (12) weeks.</i>	P.C.M.D., I.C.C.B.S., Karachi

Integrity Pact

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC. PAYABLE BY THE SUPPLIERS/CONTRACTORS/CONSULTANTS

Contract Number: _____

Dated: _____

Contract Value: _____

Contract Title: _____

_____ [Name of Supplier/Contractor/Consultant] hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, _____ [Name of Supplier/Contractor/Consultant] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from Procuring Agency (PA), except that which has been expressly declared pursuant hereto.

_____ [Name of Supplier/Contractor/Consultant] certifies that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

_____ [Name of Supplier/Contractor/Consultant] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to PA under any law, contract or other instrument, be voidable at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, _____ [Name of Supplier/Contractor/Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by _____ [Name of Supplier/Contractor/Consultant] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit, in whatsoever form, from PA.

[Procuring Agency]

[Supplier /Contractor/Consultant]

Sample Forms

Date: _____

To:

Dr. Panjwani Center for Molecular Medicine & Drug Research
International Center for Chemical and Biological Sciences
University of Karachi,
Karachi-75270.

Dear Sir:

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to develop and deliver the required system in conformity with the said bidding documents for the sum of *[total bid 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 Bid.

We undertake, if our Bid is accepted, to develop the system in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the guarantee of a bank in a sum equivalent to **Five (5) percent** of the Contract Price/Pay order for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid for a period of 90 days from the date fixed for Bid opening under Clause 16 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, 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 bid you may receive.

Dated this _____ day of _____ 2025.

[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of _____

To: *[name of Procuring agency]*

WHEREAS *[name of Supplier]* (hereinafter called “the Supplier”) has undertaken, in pursuance of Contract No. *[reference number of the contract]* dated _____ 2014 to deploy *[description of goods and services]* (hereinafter called “the Contract”).

AND WHEREAS it has been stipulated by you in the said Contract that the Supplier shall furnish you with a bank guarantee by a reputable bank for the sum specified therein as security for compliance with the Supplier’s performance obligations in accordance with the Contract.

AND WHEREAS we have agreed to give the Supplier a guarantee:

THEREFORE WE hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[amount of the guarantee in words and figures]*, and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[amount of guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee is valid until the _____ day of _____ 2025 _____.

Signature and seal of the Guarantors

[name of bank or financial institution]

[address]

[date]