VALLABHBHAI PATEL CHEST INSTITUTE
UNIVERSITY OF DELHI
DELHI-110007

CORRIGENDUM

MC/JE/BSL-3/25-26/2222 Date:-16.03.2026

To
CPP-Portal
VPCI-Website

Subject: Extension of Tender Submission and Opening Date

Name of Tender:- Setting up of BSL-3 Facility and associated works in all respect on turnkey basis including comprehensive operation and maintenance of whole project for a period of five (05) years at VPCI

Tender ID:- 2026_DU_896103_1

With reference to the Tender published on the Central Public Procurement Portal (CPP Portal), it is hereby informed that based on the representations/inputs, the High Value Technical Committee (BSL-3) has considered each representation and decided as follows:

1. **Extension of Bid Submission Date:**

SL. No	Description	Current Last Date for submission and Opening of Bids	Revised Last Date for submission and Opening of Bids
1	Last Date & Time for Submission of Bids	**16.03.2026 at 3:00 PM**	**07.04.2026 at 3:00 PM**
2	Date & Time of Opening of Bids	**17.03.2026 at 3:00 PM**	**08.04.2026 at 3:00 PM**

2. **Revision of Tender Fee**

The **Tender Fee** has been revised as under:

Particulars	Earlier	Revised
Tender Fee	**Rs.1000.00/-**	**Rs.500.00/-**

3. Addition of Item Specification List

The detailed item specifications and list of recommended 'Make' have been added in the tender document to clearly define the scope and source of work. Bidders are requested to adhere to the corrigendum uploaded on CPP Portal.

4. Experience Criteria:-

With regard to the experience criteria of Tender document Section(1) Clause No 1 (a) (i). – *"Three similar works each costing not less than 60% of the estimated tender amount."*

The Competent Authority based on the recommendations of the HVTC (BSL3) has not amended any part of it and it shall be **SAME** as promulgated vide Tender document published dated 29/01/2026 Section(1) Clause No 1 (a) (i) alongwith all other "experience and other prequalification criteria requirements."

All other terms and conditions of the tender shall remain unchanged.

This corrigendum shall form an integral part of the tender document.

Deputy Registrar

Copy To:-

1. CPP-Portal.
2. DU-Website.
3. VPCI-Website- for uploading.
4. Master Copy.

Annexure – I

Equipment and furnishings to be provided in BSL – 3 Lab

1. Pass box with Dunk Tank	-	M/s Thermodyne
2. At least five biosafety cabinets	-	M/s Thermofisher
3. Refrigerators 4 deg C (n=3)	-	LG/Samsung/Voltas/General
4. -20 deg C deep freezer : n=2	-	Eppendorf/Thermofisher
5. -80 deg C deep freeze (n=1)	-	Panasonic/Eppendorf/Thermofisher
6. Ultra Centrifuge (n=1)	-	Thermofisher/Eppendorf/Backman
7. Refrigerated Centrifuge : n=1	-	Thermofisher/Eppendorf/Backman
8. CO2 incubator : n=1	-	Thermofisher/Eppendorf
9. Incubator room 20sq ft (n=1)	-	Fabricated
10. Incubator (n=1)	-	Any company
11. Shaking Incubator n=1	-	Kühner/Enforce/Thermo
12. Shoe rack made of SS with 5 shelves (n=1)		
13. Static garment storage cabinet		
14. SS Laboratory stools (n=10)		
15. Geysers (25L): n-2	-	Crompton/Havells/Bajaj
16. Effluent Decontamination System	-	Fabricated
17. SS Hand wash and Eye wash Station	-	Fabricated
18. Laboratory Work Station	-	Fabricated
19. Shower system	-	Customised
20. Bionocular Microscopes -3	-	Olympus/Nikon
21. Fluorescent Microscopes (n=1)	-	Olympus/Nikon
22. Trinocular Microscopes (n=2)	-	Olympus/Nikon
23. Double door autoclave – n=1	-	Machine Fabric
24. Inverted microscope n=1	-	Olympus/Nikon

Laboratory Instruments
Specifications

1. Ultracentrifuge

Ambient Temperature Operating Range: 10°C to 30°C

1. **Amperage:** 16/20 A
2. **Certifications/Compliance:** CE and cCSAus
3. **Control Speed Accuracy:** +2 rpm
4. **Dimensions (HWD):** 34.6 x 31.1 x 27.2 in. (88 x 79 x 69 cm)
5. **Electrical Requirements:** 208/240 V 50/60 Hz
6. **Heat Output:** 1 kW or below
7. **Height Exterior:** 34.6 in.
8. **Length Exterior:** 27.2 in.
9. **Width Exterior:** 31.1 in.
10. **Net Weight:** 859.8 lb. (390 kg)
11. **Noise Level:** 51 dBA (running at set speed, under in-house test conditions) measured 1m in front of the instrument
12. **Phase:** Single
13. **Profile (Acceleration/Braking):** 10/11 (10 and coasting)
14. **Program Storage:** 1000 programs with step-runs
15. **Refrigerator System Type:** Thermo-module cooling system (CFC/HCFC/HFC-free), Solid-state thermoelectric refrigeration (CFC-free)
16. **Standards:** CE and cCSAus
17. **Temperature Range:** 0°C to 40°C
18. **Type:** Floor Model Centrifuge
19. **Capacity:** 6 x 250 mL
20. **Max. RCF:** 802,000 x g (T-890 rotor)
21. **Max. Speed:** 100,000 rpm
22. **Refrigerated:** Yes

23. **Rotor:** Fixed angle (1.5 ml, 6.5 ml tubes.)rotor; swing bucket: 13 ml tubes

2. Biosafety cabinets Class II (n=4)

Dimensions (WxDxH) (in feet): 4x2x2

1. **Type of configuration:** Freestanding, benchtop
2. **Type of air flow direction:** Horizontal
3. **Type of air cleanliness:** Class 100
4. **Material used for the work bench:** Powder-coated MS
5. **Type of sash (front door):** Manual sliding
6. **Material used for front door and side panels:** Stainless steel
7. **Thickness of the floor and side panels:** 2 millimeters
8. **Laminar air flow velocity(m/s):** 0.4 to 0.45
9. **Air changes per hours, Min:** 30
10. **Type of light:** LED
11. **Noise level in DB:** 60
12. **Availability of HEPA filters:** 0.3 microns; 99.995% @ MPPS
13. **Availability of air/gas cock:** UV light switch
14. **Availability of display:** Yes
15. **Type of display:** LED
16. **Power supply:** 100-240VAC, 50-60 Hz
17. **Lightning power:** >120fc
18. **Smart port:** Two 3" plugged cable ports, one on each side wall
19. **Exhaust/inflow air volume:** 344 cfm

3. Biosafety cabinets Class II (n=1)

Dimensions (WxDxH) (in feet): 6x2x2

20. **Type of configuration:** Freestanding, benchtop
21. **Type of air flow direction:** Horizontal
22. **Type of air cleanliness:** Class 100
23. **Material used for the work bench:** Powder-coated MS
24. **Type of sash (front door):** Manual sliding
25. **Material used for front door and side panels:** Stainless steel
26. **Thickness of the floor and side panels:** 2 millimeters
27. **Laminar air flow velocity(m/s):** 0.4 to 0.45
28. **Air changes per hours, Min:** 30
29. **Type of light:** LED
30. **Noise level in DB:** 60
31. **Availability of HEPA filters:** 0.3 microns; 99.995% @ MPPS
32. **Availability of air/gas cock:** UV light switch
33. **Availability of display:** Yes
34. **Type of display:** LED
35. **Power supply:** 100-240VAC, 50-60 Hz
36. **Lightning power:** >120fc
37. **Smart port:** Two 3" plugged cable ports, one on each side wall
38. **Exhaust/inflow air volume:** 344 cfm

4. -80 degrees deep ultra freezer (TDE series)

1. **Temperature capability:** -50°C to -86°C
2. **Capacity in litres:** 550-800
3. **Type of cabinet:** Vertical
4. **Voltage capability:** 115V/60Hz; 208-230V/60Hz; 230V/50Hz
5. **Energy consumption rate:** 10.5 kWh/day
6. **User interface:** HIC touch button
7. **Noise level in dB:** 56
8. **Number of compressors:** 2
9. **Temperature uniformity:** ±3°C or less
10. **Temperature stability of system:** ±3°C
11. **Material of the inside chamber:** SS
12. **Ground clearance in mm:** 100mm
13. **Warranty of stabilizer:** 1 year
14. **Warranty of compressor:** 1 year

5. REFRIGERATED CENTRIFUGE

Dimensions (HWD): 14.2 x 24.6 x 26 in.

Voltage: 208/230 V

Product specifications

Certifications/Compliance - 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

Controller Type - Microprocessor

Dimensions (HWD) - 14.2 x 24.6 x 26 in.

Display - LED

Drive System - Direct, Brushless Induction Low Profile

Rotor Includes – 2mlX24 (fixed angle rotor) , 15 ml X 16 (swing bucket rotor), 50mlX16 (swing bucket rotor)

Profile (Acceleration/Braking) - 9 Accel/10 Braking

Program Storage - Up to 6 programs via push button and high contrast LCD interface

Safety Features - SMARTSpin Imbalance detection, finger-pinch prevention, crash-proof construction

Type - General Purpose Centrifuge

Ventilated- Yes

Voltage - 208/230 V

Capacity - 4 x 400 mL with TX-400 Rotor

Max. RCF - 25,830 x g Angle rotor with Microliter 30 x 2 rotor, 5,580 x g with TX-200 rotor

Max. Speed - 15,200 rpm with F21-48x2, Microliter 48 x 2 or Microliter 30 x 2

Refrigerated – Yes

Bench top

Unit Size – Each

6. CO2 INCUBATOR

Chamber Material: Copper

CO2 Sensor Technology: IR Sensor

Capacity (Metric): 255 L

Product Specifications

Capacity (English)-9.0 cu. ft.

Dimensions (D x W x H) Interior - 24.76 x 23.90 x 26.38 in. (62.9 x 60.7 x 67.0 cm)

Dimensions (L x W x H) - 36.77 x 30.47 x 38.15 in. (93.4 x 77.4 x 96.9 cm)

Electrical Requirements - 120 V, 50/60 Hz

Humidity Source - Protected integrated water reservoir

Includes - Gas-tight 6-segment inner door, 3 shelves with 2 half-width shelves each

Oxygen Control - 1 to 21%

Type - CO_2 Incubator

CO2 Sensor Technology - IR Sensor

Capacity (Metric) - 255 L

Chamber Material -Copper

Material - Powder-coated Cold Rolled Steel

Relative Humidity - Approx. 93% at 37°C

Temperature Range (Metric) - 3°C above ambient to 55°C

Voltage - 120 V

Preference: Upright

Unit Size - Each

7. Binocular Microscope

Observation Method: Brightfield

Illuminator: Transmitted Illuminator LED Lamp

Focusing Mechanism: Stage Focus

Coarse Handle Stroke: 15 mm

Features: Coarse adjustment limit stopper; Torque adjustment for coarse adjustment knob

Field Diaphragm: Binocular

Revolving Nosepiece: Manual Standard (4 positions)

Stage: Manual Stages with Right-Hand Control; Built-in X: 76 mm, Y: 30 mm

Objectives: 4X, 10X, 40X, 100X. (oil immersion)

Condenser: Abbe Condenser; 1.25/ W.D. - (4X–100X) (Built-in)

Observation Tubes: Binocular

Tube Inclination Angle: 30°

Dimensions (W × D × H) Binocular: 198 (W) x 398 (D) x 386 (H) mm

Weight **Approx.** 5.9 kg

8. Trinocular Microscope

Observation Method: Bright field, Dark field, Phase contrast, Fluorescence (Blue/green excitation, simple polarized light.

Illuminator: Transmitted Kohler Illuminator LED Lamp

Fluorescence illuminator LED Lamp

Focusing Mechanism: Stage Focus

Coarse Handle Stroke: 15 mm

Features: Coarse adjustment limit stopper; Torque adjustment for coarse adjustment knob

Revolving Nosepiece: Manual Standard (5 positions)

Stage: Manual Stages with Right-Hand Control; Built-in X: 76 mm, Y: 52 mm

Objectives: 4X, 10X, 40X, 100X (oil immersion)

Condenser: Abbe Condenser; 1.25/ W.D. - (2X–100X) (Built-in)

Observation Tubes: Trinocular

Tube Inclination Angle: Trinocular 30°, Tilting Binocular 30°–60°, Trinocular Tube Light Path Selection (Camera: Observation) 50 %: 50 %, Interpupillary Distance Adjustment 48–75 mm.

Dimensions (W × D × H) 211 mm × 376 mm × 393 mm (8.3 in. × 14.8 in. × 15.5 in.) (standard configuration)

Weight **Approx:** 7.3 kg

9. Fluorescence microscope

Observation Method: Brightfield, Darkfield, Phase Contrast, Fluorescence (Blue/Green Excitations), Fluorescence (Ultraviolet Excitations), Differential Interference Contrast, Polarized Light, Simple Polarized Light

Illuminator: Transmitted Köhler Illuminator LED Lamp
Fluorescence Illuminator (Direct Coupled 100 W Mercury Lamp)
Light Guide Illumination

Focusing Mechanism: Stage Focus

Intermediate Magnification Changer: Manual Terret

Revolving Nosepiece: Motorized (7 positions) , Coded (7 positions), Standard (7 positions)

Stage: Manual stage with right-hand Control X: 76 mm (3 in.), Y: 52 mm (2 in.). Mechanical; Oil Rectangular Stage with Right-Hand Control X: 76 mm (3 in.), Y: 52 mm (2 in.). Plain Stage; Dimensions: 180 mm × 150 mm (7 in. × 6 in.); Rotatable Graduated Stage 360-degree rotation

Condenser: Motorized (Universal Condenser: Phase/Darkfield/DIC; NA 0.9/ W.D. 1.5 mm for 1.25X–100X [swing-out: 1.25X–4X, with oil top lens: (NA 1.4/ W.D. 0.63 mm)]

Observation tubes: Super Widefield (FN26.5); Trinocular, errect image tilting trinocular

Dimensions (W × D × H): 274.5 mm × 614 mm × 469 mm (10.8 in. × 24.2 in. × 18.5 in.) (Epifluorescence configuration).

10.Inverted microscope

Optical System: Infinity Optical System

Observation method: Brightfield, Apodized Phase Contrast*1, Phase Contrast, Emboss Contrast*2

Diascopic illumination: High luminescent white LED illuminator (Eco-illumination), Built-in Fly eye lens

Tubes: Inclination: 45 degrees; Pupillary distance: 50-75 mm, Siedentop type; Attachable camera port; Eyepiece/Port:100/0:0/100

Eyepiece (F.O.V.): 10X (22), 15X (16), 20X (12.5)

Focusing: Nosepiece up/down movement, Stroke (manual): Up 7 mm down 1.5 mm

Coarse stroke: 37.7 mm per rotation, Fine stroke: 0.2 mm per rotation, Coarse motion torque adjustable

Nosepiece: Quintuple nosepiece

Condenser: ELWD Condenser (NA 0.3、W.D. 75 mm)

Slider: Pre-centered or Centering PH Slider, 10X, 20X, 40X, 100X objectives for Phase Contrast

Emboss Contrast sliders (both condenser-side slider and eyepiece-tube-side slider must be mounted), 10X, 20X, 40X, 100X objectives for Emboss Contrast

Plain Stage, stage size: 170 (X) x 247 (Y) mm with Acrylic Type of Stage Ring, Mechanical stage (optional), stroke : 126 (X) x78 (Y) mm, Accepts 5 types of micro-testplate, well clamper and stage clip

Holders: Petridish Holder 35 mm, 100 mm, Terasaki Holder for Terasaki plate and φ65 dish, Slide Glass Holder for glass slides, φ54 dish and hemocytometer, Universal Holder for Terasaki plate, glass slide, φ35-65 dish and hemocytometer, Glass Ring Holder, Ring Holder Set

Dimensions: 236 (W) ×548 (D) ×471 (H) mm

11. Shaker incubator

Controller Type Digital

Description Small Stackable Incubated Orbital Shaker

Electrical Requirements120 V, 60 Hz

Frequency60 Hz

Height (English)40.5 in.

Height (Metric)102.9 cm

Length (English)33 in.

Length (English) Platform18 in.

Length (Metric)83.8 cm

Length (Metric) Platform45.7 cm

Load Bearing Capacity (English)35 lb.

Material Stainless Steel Platform

Motor Type DC brushless

Product Type Stackable Incubated Orbital Shaker

Refrigerated No

Shipping Weight (English)330 lb.

Shipping Weight (Metric)150 kg

Temperature Range (English)50°F to 140°F

Temperature Resolution±0.1°C

Timer Range Continuous or timed operation from 0.1 minute to 999 hours

Width (English) Interior 27.5 in.

Width (Metric) Interior 69.9 cm

Width (Metric) Platform 45.7 cm

Certifications/Compliance CE, cUL, UL

Load Bearing Capacity (Metric) 15.9 kg

Model MaxQ 6000 Incubated Stackable Shaker

Orbit19 mm

Speed Range 15 to 500 rpm

Temperature Range (Metric) Ambient +10° to 80°C

Voltage120 V

Flasks: 500 ml and 250 ml

12.

13. Incubator 750L

Alarm Types Audible and Visible

Capacity (English) 26.5 cu.ft.

Capacity (English) Shelf 66.1 lbs

Capacity (Metric) Shelf 30 kg

Certifications/Compliance UL, CE

Data Outputs USB, Ethernet

Depth (English) 34.84 in.

Depth (English) Interior 24.8 in.

Depth (Metric) 885 mm

Depth (Metric) Interior 630 mm

Display 7 in. touchscreen user interface

Door Style Solid (outer), Glass (inner)

Electrical Requirements 100/240V, 50/60 Hz, 1400W

Height (English) 72.24 in.

Height (English) Interior	57.09 in
Height (Metric)	1835 mm
Height (Metric) Interior	1450 mm
Lighting	No
No. of Casters	4
Plug Type	Nema 5-20P
Ports	2 access ports
Programmability	Temperature ramping
Resolution	0.1°C
Shelf Area (English)	4.9 $ft.^2$
Shelf Area (Metric)	0.46 m^2
Shelf Material	Stainless Steel (304/1.4301)
Shipping Weight (English)	840 lbs
Shipping Weight (Metric)	381 kg
Temperature Control	Microprocessor - programmable
Temperature Stability	≤ ±0.1°C @ 20°C to 37°C
Temperature Uniformity	≤ ±0.5°C @ 20°C to 37°C
Type	Environmental Chamber
Warranty	24 months
Wattage	900 W
Width (English)	42.52 in.
Width (English) Interior	33.07 in.
Width (English) Shelf	22.6 in.
Width (Metric)	1080 mm
Width (Metric) Interior	840 mm

Width (Metric) Shelf	795 mm
Capacity (Metric)	750 L
Chamber Material	Powder-coated Cold Rolled Steel
Material	Powder-coated Cold Rolled Steel
No. of Shelves	3
Temperature Range (Metric)	0 to 70°C
Voltage	100/115/220/230 V
Unit Size	Each

14. -20 °C deep freezer

Confirmity to standard conforms to standards IEC- 61010 for electrical safety latest amendment	Yes
Capacity in liters	340 L
Freezer body	Freezer should have galvanised steel body with tough powder coated exterior finish constructed on steel
Material of inside chamber	Stainless steel
Type of Cabinet	Vertical with four Adjustable Compartment
Ground clearance in mm	100 mm
Should have heavy duty lockable castors and levelling for adjustments and Installation	Yes
Refrigerants	CFC-free, HCFC-free non flammable refrigerants
Refrigeration system must be energy efficient with pull down time in hrs	less than 5.5 hr
Operating Temperature with 1 C increment	minus 10 degree C to minus 40 degree C
Freezer must attain -80°C while operating at ambient temperature of 32°C	Yes
Control system	Fully programmable microprocessor controlled with membrane keypad and eye level control panel
Number of inner storage compartments with insulated doors and adjustable height	4
Freezer should have heated air vent and easily accessible front panel air Filter	Yes

Digital temperature display	Yes
Alarms	Electronic alarm if, temperature deviates more than ± 2 C
Noise level in Db	60
Energy consumption rate (@KWh/day)	24
Stabilizer should be capable to run any voltage between 190V - 270 V	Yes
Double door with locking lids	Yes
Availability of decompression valve facility to lower air pressure inside freezer for easy door opening	Yes
Panels	Vacuum polyurethane foam panels
Number of compressor	1
Temperature uniformity	+/- 3 degree
Temperature stability of system	±3C
Warranty of Stabilizer in Years	1
Warranty of Freezer (except compressor) in Years (from the date of installation)	1
Warranty of compressor in years	1
Vacuum Insulation panel	Yes
Freezer must have washable condenser filter Indicator which should keep fins free of dust to maintain peak cooling efficiency	yes
One 5KVA servo stabilizer to be supplied with freezer	No
Number of corrosion resistant racks	3
Pairs of Cryogloves to be provided	1

Number of Ice scraper to be provided	1

15. Refrigerator

Capacity of refrigerator (In Liters)	>400<=450
Specific capacity of Refrigerator	400liter
Lower of Temperature Range (±0.5 Degree Celsius)	2 Degree Celsius
Higher of Temperature range4 (±0.5 Degree Celsius)	8 Degree Celsius
Temperature Adjustment Step size	0.1 Degree Celsius
Temperature Accuracy (in Percentage)	±0.1
Temperature Uniformity (In Degree Celsius)	±0.5
Cooling Methods	Forced air cooling system
Refrigerant	R290
Refrigerant Type	Non CFC, Non HCFR, Non HFC
Temperature Controller	Microprocessor Based Digital Temperature Controller
Insulation Type	PUF
Display Type	LED
Touch Display	No
Display Size	5 inches
Wheels Availability	Yes
Number of Wheels	4
Wheels Type	Castor
Wheels with Brakes	Yes
Insulated Doors	Yes
Door Lock	Yes
Chamber Lightning	Yes
Type of Chamber Light	LED
Hermetically Sealed Refrigeration Compressor	Yes
Noise level	60 decibel sound pressure
Connectivity Interface	USB
Power Supply	230 V Single Phase (50Hz)
Power Consumption of Refrigerator	324 Watt
Number of Shelves/Drawers/Trays	4
Shelves/Drawers/Trays Type	Wire Mess
Shelves/Drawers/Trays Material	Toughened Glass

Outer Body Material	Mild Steel
Inner Body Material	Galvanized Iron
Number of Doors	1
Door Type	Glass Door
Corrosion Resistant Shelves/Drawers/Trays, Inner and Outer Body	Yes
Inner Width of laboratory Refrigerator	6000 millimeter
Inner Depth of Laboratory Refrigerator	700 millimeter
Inner Height of Laboratory Refrigerator	1000 millimeter
Outer Width of laboratory Refrigerator	700 millimeter
Outer Depth of Laboratory Refrigerator	790 millimeter
Outer Height of Laboratory Refrigerator	1670 millimeter
Total Weight of Laboratory Refrigerator	110 kilogram
Warranty of complete unit (Excluding Compressor)	3 Year
Warranty on Compressor	3 Year

16. PASS BOX With Dunk Tank

a. Body shall be made out of Stainless Steel sheet (304 Grade) 1mm thickness.

b. The unit should be provided with heavy duty electromagnetic interlocking arrangement.

c. Electric buzzer, UV Light (8 Watt) – 1 No & lighting arrangement shall be provided.

d. S.S. doors shall be provided.

e. Mini *pleat* Hepa Filter having efficiency of 99.97% down to 0.3 micron and dynamically balanced motor blower assembly.

f. Magnehelic Gauge (Dywer make) = 1 No .shall be provided in each unit.

g Re-circulatory type air system shall be provided.

Inner Size (Approx.) (W x D x Ht.)	Outer Size (Approx.) (W x D x Ht.)
610x610x610mm	850x740x1150mm

17. Double door autoclave:

- Double door, rectangular, steam-operated, high-pressure, high-vacuum autoclave
- 320L capacity (600mm x 600mm x 900mm chamber size)
- Bio-seal design, free-standing type
- PLC-controlled, programmable with pre-programmed cycles
- Chamber and door plate: Stainless steel AISI 316
- Electric steam generators: Stainless steel AISI 304
- Jacket: Boiler Quality steel
- Working pressure: 2.1 Kg/cm2 (135°C)
- Water ring vacuum pump for air evacuation
- Microprocessor-based control panel with HMI