

### **Corrigendum-II**

Bihar Medical Services and Infrastructure Corporation Limited (BMSICL) had invited E-Bids from the interested parties for Supply, Installation & Commissioning of Teaching Equipment for Establishment of Pharmacy Lab (I. Physiology/Pharmacology/Pharmacognosy Lab, II. Pharmaceutical Chemistry/Biochemistry Lab, III. Clinical Pathology Lab, IV. Pharmaceutics Lab, V. Machine Room Lab, VI. Hospital and Clinical Pharmacy Lab) 04 Govt. Pharmacy Institutes in different districts (Banka, Sasaram, Siwan & Nalanda) of Bihar was floated vide Notice Inviting Tender No.- BMSICL/2021-22/ME-263. During and after Pre-bid meeting various suggestions were received from different prospective bidders regarding amendment in technical specification of equipment which were discussed and deliberated on by the experts, who after due deliberation recommended certain amendments in the list of tendered items, which are annexed as Annexure-I of this corrigendum. In order to facilitate maximum participation of bidders the tender schedule is being revised as follows:

Tender Reference No.	<b>BMSICL/2021-22/ME-263</b>
Date and time for downloading of bid document	<b>Up to 30<sup>th</sup> March 2022 till 17:00 Hrs.</b>
Last date and time of submission of online bids	<b>31<sup>st</sup> March 2022 till 17:00 Hrs.</b>
Last date and time of submission of original documents of EMD, Tender Fee and Document	<b>01<sup>st</sup> April 2022 till 14:00 Hrs.</b>
Date, Time and Place of opening of Technical Bid	<b>01<sup>st</sup> April 2022 (at 15:00 Hrs.) on the website of <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a> in the office of BMSICL</b>
Date and time of opening of financial Bids	<b>To be announced later on <a href="http://www.eproc.bihar.gov.in">www.eproc.bihar.gov.in</a></b>

**Note: (1) Bidders are advised to refer to the Annexure-I of this corrigendum before submission of bid.  
(2) Those bidders who have submitted their bids are advised to resubmit their bids in the light of this corrigendum.**

**Annexed:- as above**

**Sd/-  
GM (Procurement)  
BMSICL**

# Annexures-I

## Amended Technical Specification for Pharmacy Lab

### Physiology/Pharmacology/ Pharmacognosy Lab.

S. No.	Name	Specification	Quantity	RC	Amendment
1	Compound Microscopes	Magnification 100X to 1000x, eye piece 10X & 15x; objective lens 10x,45x,100x(oil) ,ISO 9001 CE	15		
2	Dissection Microscope	Magnification 10X & 20X, eye piece 10X & 20x; ISO 9001 CE	5		
3	Haemocytometer with glass neubauer blood counting chamber (complete set)	Double-counting Chamber, Product Dimensions = 8 X 8 X 2.5 Inches	20		
4	Sahli's hemoglobinometer	Comparator Holder, H.B. Tube, H.B. Pipette	20		
5	Sphygmomanometers (clock type)	B.P. Monitor Clock Type	5		
6	Sphygmomanometer (Aneroid type)	Aneroid Blood Pressure Monitor	5		
7	Sphygmomanometer (Digital)	Digital type	5		
8	Stethoscopes	for college purpose acoustic	10		
9	Model of human skeleton (complete) mounted on stand	detachable parts are Calvarium, Jaw, Legs, Skull, Arms The left side of the skeleton shows the points of origin (red) and the points of insertion (blue) of the muscles. Mounted on with stand	1		
10	Model of 5TH Cervical Vertebra mounted on stand	show transverse section of the spinal cord with grey and white matter, the nerve branches, the spinal ganglion and the blood vessels	1		
11	Model of human hand mounted on stand	3-part model, enlarged 2X life size, shows the anatomy of the hand, including muscles, nerves, ligaments, vessels and bone structures. Aponeurosis is removable for closer examination	1		
12	Model of animal cell mounted on stand	structures, such as micro villi, flagellum, mitochondria, nucleus, rough and smooth ER are reproduced with great detail and accuracy.	1		
13	Model of Axis And Occipital Bone mounted on stand	A detailed, life size reproduction of the atlas and axis vertebrae, including the occipital bone, The model shows the pivoting action of the head and the articulation with the skull. Mounted on base with stand.	1		

14	Model of bones of foot mounted on stand	all set of bone of foot	1		
15	Model of brain with arteries mounted on stand	frontal lobe, parietal lobe, occipital lobe, temporal lobe, motor cortex, somatosensory cortex, limbic cortex, cerebellum, brain stem. Mounted on base	1		
16	model of Brain stem And Nuclei Of The Hypothalamus mounted on stand	This 4-part model, 2X life-size, is a detailed representation of the human brain stem and hypothalamus.	1		
17	model of Basal Nuclei And Internal Capsule mounted on stand	show caudate nucleus, the lentiform nucleus and the genu of the internal capsule	1		
18	model of Cranial And Autonomic Nerves mounted on stand	Dissection of human half head shows the 12 cranial nerves with collateral branches and autonomic nerves.	1		
19	model of Diencephalon mounted on stand	This 4-part model, 5X life-size, shows the human diencephalon:	1		
20	Model Double Helix Dna 12 Bp Model mounted on stand	This self assembly kit contains all the blocks needed (stand included) to build a 12 base pairs right handed double helix DNA	1		
21	model of Unisex Torso 20 Parts, Fibre mounted on stand	This unisex torso including 20 parts: torso, head, eyeball, brain, lung (2 parts), heart (2 parts), liver, gallbladder, kidney, stomach (2 parts), intestines (2 parts), male genitalia (2 parts), female genitalia (2 parts) and vertebra spinal nerves.	1		
22	model of Human ear mounted on stand	The model shows details of the external, middle and inner ear. The eardrum with malleus, incus and stapes are removable.	1		
23	model of human eye mounted on stand	The different parts of the eyeball model are detachable to show the following structures.	1		
		Tunica external : Showing cornea and sclera with attachments of ocular muscles and optic nerve.			
		Tunica media : Showing the iris, the ciliary body and the choroid. Tunica internal is retina. Refraction media: Showing the lens and the vitreous body. 6 times enlarged with mounted on board			
24	model of human heart mounted on stand	This 2-piece model shows external and internal anatomy of the heart with origins of pulmonary artery, pulmonary vein, and aorta. Heart valves and chambers are well represented. Includes full-color, illustrated key with mounted on stand	1		

25	model of Female Genital Organ	composed of 4 parts, is a detailed representation of the female reproductive system as viewed through a median sagittal dissection. Removable parts include a 2-part uterus and 2 halves of the female reproductive apparatus with details of the internal structure.	1		
26	model of Muscles Of The Human Leg mounted on stand	This 13-part model shows, the anatomical structure of the leg, complete with superficial and deeper muscles, vascular structures, nerves and ligaments. The following parts are removable: Sartorius, Long head of biceps, Gluteus maximus, Soleus, Gastrocnemius, Gluteus medius, Gracilis, Semitendinosus and Semimembranosus, Rectus femoris, Extensor digitorum longus sole of foot with mounted on stand	1		
27	model of Muscles Of The Human Arm mounted on stand	This 7-part life size model shows, the anatomical structure of the arm, complete with superficial and deeper muscles, vascular structures, nerves and ligaments.	1		
28	Model of male urinary system	model shows in natural size, all the organs of the male reproductive system. Penis, prostate and urinary bladder are longitudinally sectioned to reveal their inner anatomy	1		
29	Model of Stomach (1.5x Life Size) mounted on stand	This model is dissected along the medial plane and can be opened	1		
		to show the internal structure of the stomach, including the mucosa, the pylorus and a section of the gastric wall.			
30	model of frog dissection	This 3X life size model provides a highly accurate illustration of the morphology of a frog.	1		
31	model of rat dissection	This 6-part life-size model is an important tool to study zoology, providing a realistic reproduction the anatomy of the rat.	1		
32	Chart of Human Blood group	100 x 70 cms, printed on LDF synthetic sheets	1		
33	Chart of Human Skin	100 x 70 cms, printed on LDF synthetic sheets	1		
34	Chart of Human Brain	100 x 70 cms, printed on LDF synthetic sheets	1		
35	Chart of Human Reproductive system (male)	100 x 70 cms, printed on LDF synthetic sheets	1		
36	Chart of Human Reproductive system (female)	100 x 70 cms, printed on LDF synthetic sheets	1		

37	Chart of Human Development of Embryo	100 x 70 cms, printed on LDF synthetic sheets	1		
38	Chart of Human Types of placenta	100 x 70 cms, printed on LDF synthetic sheets	1		
39	Chart of vestigial organ	100 x 70 cms, printed on LDF synthetic sheets	1		
40	Chart of Human Kidney	100 x 70 cms, printed on LDF synthetic sheets	1		
41	Chart of homologous and analogous organ	100 x 70 cms, printed on LDF synthetic sheets	1		
42	Chart of embryo development-I	100 x 70 cms, printed on LDF synthetic sheets	1		
43	Chart of human morphology	100 x 70 cms, printed on LDF synthetic sheets	1		
44	Chart of embryo development-II	100 x 70 cms, printed on LDF synthetic sheets	1		
45	Chart of human stomach	100 x 70 cms, printed on LDF synthetic sheets	1		
46	Chart of human intestine-large	100 x 70 cms, printed on LDF synthetic sheets	1		
47	Chart of human intestine-small	100 x 70 cms, printed on LDF synthetic sheets	1		
48	Chart of human body	100 x 70 cms, printed on LDF synthetic sheets	1		
49	Chart of Invitro fertilization	100 x 70 cms, printed on LDF synthetic sheets	1		
50	Chart of Invitro fertilization	100 x 70 cms, printed on LDF synthetic sheets	1		
51	Human Skeleton and bones	One full set of skeleton(combined)	1 set		
52	Human Skeleton and bones	one spare bone(complete bone set)	1 set		
53	Digital Balance	1 mg to 200 mg sensitivity	1		
54	Computer with LCD & UPS	PROCESSOR-i5 11 th generation , RAM- 8GB DDR4 1TB HDD 7200 Rpm 256 GB SSD or more OS- window 10 office-MS office 2019 DISPLAY- 22 INCH OR MORE	1		
55	IR Thermometer	Non Contact IR Infrared Thermometer 610	2		
56	Mercury thermometer	triangular glass clinical thermometer	2		
57	Mercury thermometer	Oval glass clinical thermometer	8		

58	Digital thermometer	battery operated Digital thermometer	10		
59	Refrigerator	190 litre	1		
60	First aid equipment	with different disinfectant,	5 set		
61	Stop watch	stainless steel	20		
62	ESR Apparatus	Westergren type full set	5		
63	ESR Apparatus	Wintrobe type full set	5		
64	wright's Peak Flow meter	original model	1		
65	Miniature Peak Flow meter	low range;Peak flow range is from 50 to 400 liter/min	1		
66	Miniature Peak Flow meter	standrad range Peak flow range is from 60 to 800 liter/min	8		
67	Stadiometer	height measring scale	2		
68	Adult Weighing Scale (150 kg)	Omron Karada Scan Body Composition Monitor HBF-375	5		
69	Projection microscope	eyepiece:Huegenian; objective achromatic x5,x10, x20; ISO 9001 CE	1		
70	Chart of Medicinal Plant Anise	100 X 75 cms, Printed on LDF synthetic sheet	1		
71	Chart of digitallis leaf	101 X 75 cms, Printed on LDF synthetic sheet	1		
72	Chart of datura leaf	102 X 75 cms, Printed on LDF synthetic sheet	1		
73	Chart of ephedra leaf	103 X 75 cms, Printed on LDF synthetic sheet	1		
74	Chart of funnel leaf	104 X 75 cms, Printed on LDF synthetic sheet	1		
75	Chart of ginger rhizome	105 X 75 cms, Printed on LDF synthetic sheet	1		
76	Chart of ipecacunha root	106 X 75 cms, Printed on LDF synthetic sheet	1		
77	Chart of kurchi bark	107 X 75 cms, Printed on LDF synthetic sheet	1		
78	Chart of liquorice root	108 X 75 cms, Printed on LDF synthetic sheet	1		
79	Chart of nuxvomica seed	109 X 75 cms, Printed on LDF synthetic sheet	1		

80	Chart of quantitative microscopic I (microscopic calibration)	110 X 75 cms, Printed on LDF synthetic sheet	1		
81	Chart of quantitative microscopic II (determination of vein islet number and determination of palisade ratio)	111 X 75 cms, Printed on LDF synthetic sheet	1		
82	Chart of aloes (Aloe vera)	112 X 75 cms, Printed on LDF synthetic sheet	1		
83	Chart of Rauwolfia root	113 X 75 cms, Printed on LDF synthetic sheet	1		
84	Chart of squill	114 X 75 cms, Printed on LDF synthetic sheet	1		
85	Chart of senna leaf	115 X 75 cms, Printed on LDF synthetic sheet	1		
86	Chart of turmeric	116 X 75 cms, Printed on LDF synthetic sheet	1		
87	Chart of typical examples of epidermis showing stomata, trichomes, & epidermis cells	117 X 75 cms, Printed on LDF synthetic sheet	1		
88	Chart of Vasaka leaf	118 X 75 cms, Printed on LDF synthetic sheet	1		
89	Chart of Ashwagandha	119 X 75 cms, Printed on LDF synthetic sheet	1		
90	Chart of belladonna	120 X 75 cms, Printed on LDF synthetic sheet	1		
91	Chart of clove bud	121 X 75 cms, Printed on LDF synthetic sheet	1		
92	Chart of coriander	122 X 75 cms, Printed on LDF synthetic sheet	1		
93	Chart of cascara leaf	123 X 75 cms, Printed on LDF synthetic sheet	1		
94	Chart of cardamom fruit	124 X 75 cms, Printed on LDF synthetic sheet	1		
95	Chart of cinnamom bark	125 X 75 cms, Printed on LDF synthetic sheet	1		
96	Models	Dicot Root Section , Leguminosae	1		
97		Dicot Leaf Section	1		
98		Monocot leaf section	1		

99		Monocot Stem section	1		
100	Various types of PPE Kits,	a set of pack of 15 product	10 set		
101	Water Testing Kit	17 in one Premium Drinking Water Test Kit - 100 Strips + 2 Bacteria Tests - Home Water Quality Test - Well and Tap Water - Easy Testing for Lead, Bacteria, Hardness, Fluoride, pH, Iron, Copper and more!	10		
<b>Pharmaceutical Chemistry/ Biochemistry, Clinical Pathology</b>					
S. No.	Name	Specification	Quantity		
1	Hot plates	Rectangular, 30x25cm	5		
2	Refrigerator	190 litre	1		
3	Analytical Balances	Consists of Weighing pan,Riders,Beams,Pointers, Zero adjustment knob	1		
4	Digital balance	1 mg to 200 mg sensitivity	5		
5	Magnetic Stirrers with Thermostat	500ml and 1 litre capacity, with variable speed control	10		
6	Vacuum Pump	1.0 - 1.5 HP, CFM 10.6	1		
7	Digital pH meter	0 to 14 pH	1		
8	Wall Mounted Water Distillation Unit	Capacity 4 to 5 ltr, Electric, Stainless Steel	2		
9	Nessler's Cylinders	<b>50 ml</b> (about 175 mm in height, approximately 25 mm in diameter)	40		
10	Melting Point Apparatus	Digital,Temp. Range: 350 Degree Celcius.	2		
11	Thiele's Tube	Diameter of main tube is 25 mm Length 150 mm	20		
12	Digital Colorimeter	400-700nm, 3 Digit, Metz 401 M	2		
13	Electric Water Bath	300 x 250 x100 MM(12 Holes of 75 mm Dia)	1		
14	Heating Mantle	250 ml, 150 watt	5		
<b>Pharmaceutics</b>					

S. No.	Name	Specification	Quantity		
1	Digital balance	1 mg to 200 mg sensitivity	5		
2	Microscopes	Droplet MS-30 Student Monocular Microscope	10		
3	Autoclave	Sesw 20 Litre 30 PSI Stainless Steel Vertical Autoclave	1		
4	Vacuum Pump	1.0 - 1.5 HP, CFM 10.6	1		
5	Standard sieves, sieve no. 8, 10, 12,22,24,44,54,60,80, 85,100,120	Stainless steel	10 sets		
6	Tablet dissolution test apparatus	EDT-08 LX,8 station, Digital	1		
7	Magnetic stirrer, 500ml and 1 litter capacity with speed control	500ml and 1 litre capacity, with variable speed control	5		
8	Digital pH meter	0 to 14 pH	1		
9	Capsule Counter	Plate size 200 x 139mm tablets or capsules up to 100 at a time	2		
10	Hot Plate	Rectangular, 30x25cm	2		
11	Distillation Unit	Capacity 4 to 5 ltr, Electric, Stainless Steel	1		
12	Tablet counter	ss 304,ss 316 and alluminium	2		
13	Hot air oven	Stainless Steel Hot Air Oven, Size: 12"x12"x12"	1		
14	Electric water bath unit	300 x 250 x100 MM(12 Holes of 75 mm Dia)	2		
15	Stalagmometer	Borosilicate Glass 20ml capacity	5		
16	Desiccator	200mm Desiccator with Cover, Porcelain Plate & Plastic Knob, 3082043	5		
17	Buchner Funnels (Medium)	porcelain, 90 mm diameter and has a capacity of about 200 ml	10		
18	Filtration assembly with Vacuum Pump	consisting of one filtration flask, rubber cork & Buchnur Funnel & filter pump	1		
19	Andreasen's Pipette	550ml cylinder vessel containing a 10ml pipette with a glass stopper	5		

20	Ointment slab	perspex sheet (graduated) Sizes Available : 6" x 6" and 8" x 8".	20		
21	Ointment spatula	Stainless Steel	20		
22	Pestle and mortar porcelain	Porcelain Mortar and Pestle 6 inch	20		
23	Refrigerator	190 litre	1		
24	Micrometre slide Eyepiece	0.25 -1.0 mm	5		
25	Micrometre slide Stage	ESM-11, Erma size: 1x3inch,	5		
26	Viscometer Ostwald/Brookfield	Digital Display 5-inch full colour, touch screen display	1		
27	Stop watch	Type: Quartz Analog, 0 to 30 minute register; 60 second sweep (second hand)	1		
28	Sintered glass filter with vacuum	With B-40 Joint with socket, with 300 ml cup, with Anodized clamp with neoprene cap.	4		
29	Aseptic cabinet	Size 95 x 50 x 50cm, UV Tube	1		
30	Heating Mantle	250 ml, 150 watt	5		
31	Laminar air Flow	Horizontal Cabinet Fabricated in SS 304/316/MS, Air velocity: 0.45 ± 0.05 mps (90 ± 20FPM)	1		

#### MACHINE ROOM

S. No.	Name	Specification	Quantity		
1	Capsule filling machine	Hand operated capsule filling machine, Stainless Steel	1		
2	Tablet punching machine	Automated Single Station	1		
3	Tablet disintegration test apparatus	ED 2AL( 2 station) Digital	1		
4	Monsanto's hardness tester	Monsanto Tablet Hardness Tester	2		
5	Pfizer type hardness tester	273 Pfizer	2		
6	Friability test apparatus (Digital Single/Double unit)	Dual drum automatic, EF 2W,	1		
7	Sieve shaker with sieve set	EMS 8PLUS,	1		

8	Ointment filling machine	209 Hand Operated Bottle Filling Machine	1		
9	All-purpose equipment with all accessories	Accuracy+/-1%, digital display, 220V AC	1		
10	Bottle washing Machine	Stainless Steel, Electric Operated	1		
11	Bottle Sealing Machine	L600 x W420 x H1200mm,	1		
12	Liquid Filling Machine	cap. 50ml to 500ml all contact parts of S.S Hand Operated	1		
13	Ampoule washing machine	202 Ampoule Washing with Fixed 6 Stainless Steel Needle Jet & Steel Pipe	1		
14	Ampoule filling and sealing machine (Jet Burner)	Lab Scale Single Head Ampoule Filling & Sealing Machine	1		
15	Clarity test apparatus	21x18x9 inch, 110x10 mm	1		
16	Collapsible tube – Filling and Sealing	Hand lever sliding movements with toothed Jaws spring Action release of jaws, robust construction.	1		
17	Liquid mixer	120RPM, 200ltr	1		
<b>Hospital and Clinical Pharmacy Lab</b>					
S. No.	Name	Specification	Quantity		
1	Mannequins for CPR-1 (with indication Signals)	Adult CPR-AED Training Manikin	2		
2	Mannequins for injection IV Arm	Multipurpose Venous Training Arm - IV Arm	2		
<b>Hospital and Clinical Pharmacy Lab</b>					
S. No.	Name	Specification	Quantity		
1	Computer with UPS system	PROCESSOR-i5 11 th generation , RAM- 8GB DDR4 OS- window 10 office-MS office 2019 DISPLAY- 22	9		
2	PROJECTOR	PLAY 5000 lumens Full HD, HDMI, USB portable 1920 X 1080P, 3D LED projector 5500 Im LED corded portable projector with screen motorised projector screen size 150 inch	2		
3	PRINTER LASER JET COLOUR MULTIFUNCTIONAL	Print, Copy, Scan, Dual-band Wi-Fi print speed: up to 28 ppm (black and colour) auto duplex printing; scan to features; 50-sheet ADF; 2 paper trays (standard) best in class security-detect and stop attacks	4		

4	Refrigerator	190 ltr	1		
5	Sphygmomanometers (clock type)	B.P. Monitor Clock Type	5		
6	Spygmomanometer (Aneroid type)	Aneroid Blood Pressure Monitor	5		
7	Glucometer	battery operated	5		
8	IR Thermometer		5		
9	Height and body weight chart		1		
10	Nebulizer		1		

### Added

## Details of Lab Furniture required for Government Pharmacy Institute, Nalanda, Banka, Rohtas and Siwan

### प्रयोगशाला कक्ष 1

1. Island module with upright (shelves) at middle with drawer, **Total module required as follows**

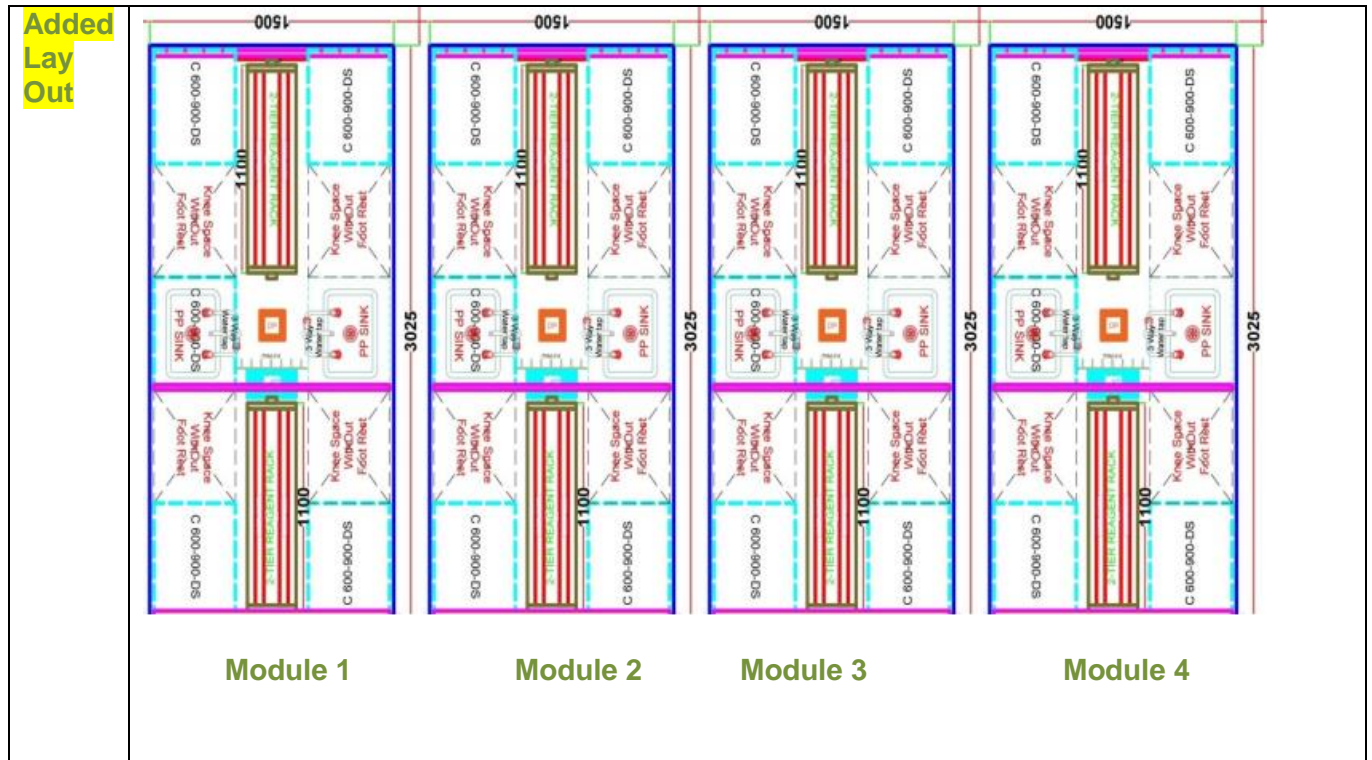
Number of modules			
GPI SIWAN	GPI BANKA	GPI ROHTAS	GPI NALANDA
4	4	4	4

2. Provision of electricity sockets, water inlet and outlet and LPG gas supplies required
3. Fume Hood: Technical specifications as per attached sheet

### Details of a single module

Description	Quantity	Unit
Island Bench - L3025 x W1500 X H900 mm	1.00	Nos.
- Work Top Natural JetBlack Granite 18 +/- 1 mm thick	48.84	Sq.feet
- C600X600 mm wide Storage Cabinet with One Drawer and Two Shutter Combination with One Adjustable shelf	4.00	Nos.
- Knee Space Without Footrest	4.00	Nos.
- M600 mm wide Sink Storage Cabinet with Two Shutter Combination	2.00	Nos.
- Three Way Swan neck Type water Tap	2.00	Nos.
- P.P.Sink Size: L560xW355xD245mm	2.00	Nos.
- Peg Board	1.00	Nos.
- Rear Close Panel H900	1.00	Nos.
- Electrical Socket 6/16 amp (2+2) 6Module	4.00	Nos.
- Double sided Two tier Reagent rack (Adjustable Type) with electrical raceway L2230 X D 300 X H 900	2.23	Rmt.

	- Service Pendate L300xW150xH2400 mm	1.00	Nos.
	- C-Frame Structure-60x30x2mm thk. Hollow Pipe Const.	3.03	R.Mtr
	Burner	4	Nos.
	Gas pipe line 12mm T band, 12 mm Elbow, 12 mm Union valve , 2 way -2 no	1	Nos.



Lay out of Laboratory -1

### 3. Fume Hood

Technical Specification of Fume Hood		
Type of Hood: Constant Bypass type Bench Fume Hood		
Out to Out Dimension : Length 1200 mm x Width 1000mm x Height 2300mm		
In to In Dimension : Length 960mm x Width870 mm x Height 1225mm		
Sr. No.	Description	Qty. (Nos.)
A	<b>Fume Hood Superstructure Consisting of</b>	1
	Structure Frame in 2 mm thk.	
	Inner ring,Rear baffles and Top baffles in 6mm thk. Phenolic resin/Compact/PP Sheet construction	
	Outer panels in 1.2mm thick	
	Front post in 1.0mm thk. S.S.304/GI construction with Powder Coating	
	Vertical Sash in toughened glass const. with full length handle in anodized Aluminium construction	
	Sash movement mechanism with counter weight	
	Twin LED Light	

B	<b>Service Valves</b>		
	Having body in forged brass const.,Color coded knobs in plastic const.,angular shaped serrated nozzles,in epoxy coated forged brass const. 1.5mt. Long flexible tubing with end fittings.		
	<b>Services</b>		
	Nitrogen	S.S. Braided Teflon Hose	1
	Vacuum	S.S. Braided Teflon Hose	1
	Compressed Air	S.S. Braided Teflon Hose	1
	Potable Water	S.S. Braided Teflon Hose	1
C	<b>Fume Hood Worktop</b>		1
	Work Top Natural JetBlack Granite 18 +/- 1 mm thk		
D	<b>Sink</b>		1
	Ovalsink to be provided in left-rear area in worktop		

	<b>Electrical Services with internal wiring (all in non-FLP const.)</b>	
	1 Pole MCB -10 Amp Legrand Make	1
	4 Pole MCB -32 Amp Legrand Make	1
	Motor On/Off Starter Legrand make	1
<b>E</b>	3 Phase Rotary Switch On/Off	1
	16Amp. Switch with Light Indicator-Tubelight On/Off	1
	Electrical Junction Box	1
	6M Plate with Sw. & Sc. Norisys/North-West/Legrand	2
	3M Plate with Sw. & Sc. Norisys/North-West/Legrand	4
	<b>Fume Hood Understructure &amp; cabinet</b>	
	Fabricated out of heavy gauge rectangular shape hollow pipes in MS construction,duly finished with corossion resistant <b>specialty coatings Shelf Having PP Tray/Sheet</b>	
<b>F</b>	Removable cabinet with PP Caster Wheel	1
	Flushed type recessed handle	
	Knuckle barrel S.S. 304 Hinges	
	Removable Shelf	
<b>E</b>	<b>Fume Hood top Side Encloser Panels 600mm Height</b>	1

<b>F</b>	Supply of exhaust ducting in PP/FRP With necessary bend	<b>1</b>
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**Added**

## प्रयोगशाला कक्ष 2

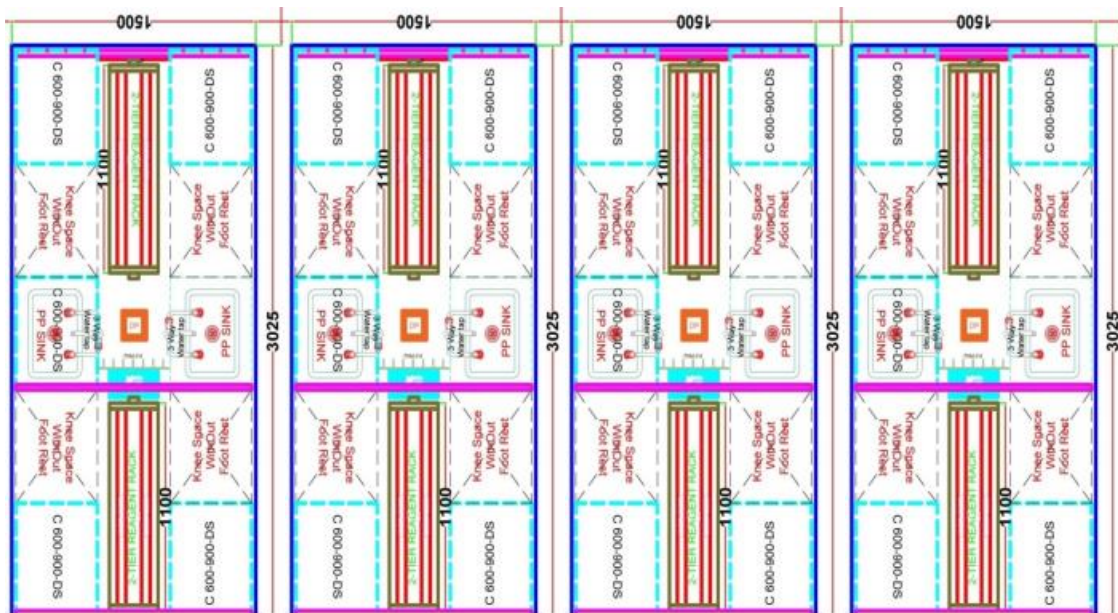
1. Island module without upright (shelves) at middle with drawer, **Total module required as follows-**

Number of modules			
GPI SIWAN	GPI BANKA	GPI ROHTAS	GPI NALANDA
4	4	4	4

2. Provision of electricity supply, water inlet and outlet and LPG gas supplies

### Details of a single module

Description	Quantity	Unit
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- Knee Space Without Footrest	4.00	Nos.
- M600 mm wide Sink Storage Cabinet with Two Shutter Combination	2.00	Nos.
- Three Way Swan neck Type water Tap	2.00	Nos.
- P.P.Sink Size: L560xW355xD245mm	2.00	Nos.
- Peg Board	1.00	Nos.
- Rear Close Panel H900	1.00	Nos.
- Electrical Socket 6/16 amp (2+2) 6Module	4.00	Nos.
- Service Pendate L300xW150xH2400 mm	1.00	Nos.
- C-Frame Stucture-60x30x2mm thk. Hollow Pipe Const.	3.03	R.Mtr



Lay out of laboratory -2

**Added**

### प्रयोगशाला कक्ष-3

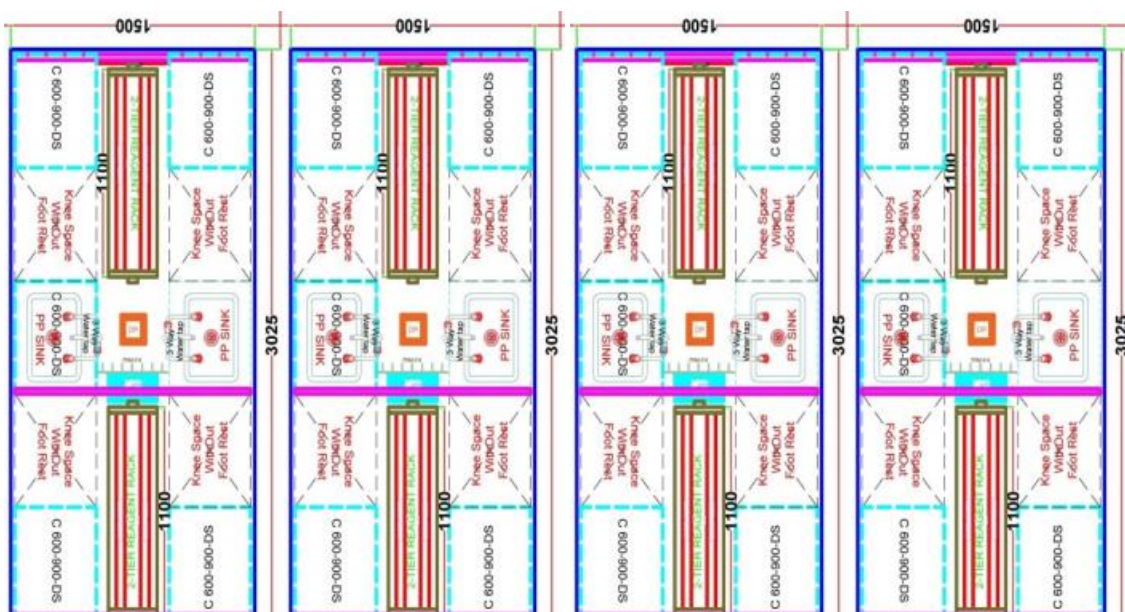
1. Island module with upright (shelves) at middle with drawer, **Total module required as follows-**

Number of modules			
GPI SIWAN	GPI BANKA	GPI ROHTAS	GPI NALANDA
4	4	4	4

2. Provision of electricity supply, water inlet and outlet and LPG gas supplies.

#### Details of a single module

Description	Quantity	Unit
Island Bench - L3025 x W1500 X H900 mm	1.00	Nos.
- Work Top Natural Jet Black Granite 18 +/- 1 mm thick	48.84	Sq.feet
- C600X600 mm wide Storage Cabinet with One Drawer and Two Shutter Combination with One Adjustable shelf	4.00	Nos.
- Knee Space Without Footrest	4.00	Nos.
- M600 mm wide Sink Storage Cabinet with Two Shutter Combination	2.00	Nos.
- Three Way Swan neck Type water Tap	2.00	Nos.
- P.P.Sink Size: L560xW355xD245mm	2.00	Nos.
- Peg Board	1.00	Nos.
- Rear Close Panel H900	1.00	Nos.
- Electrical Socket 6/16 amp (2+2) 6Module	4.00	Nos.
- Double sided Two tier Reagent rack (Adjustable Type) with electrical raceway L2230 X D 300 X H 900	2.23	Rmt.
- Service Pendate L300xW150xH2400 mm	1.00	Nos.
- C-Frame Stucture-60x30x2mm thk. Hollow Pipe Const.	3.03	R.Mtr
Burner	4	Nos.
Gas pipe line 12mm T band, 12 mm Elbow, 12 mm Union valve , 2 way -2 no	1	Nos.



Module 1

Module 2    Module 3

Module 4

Lay out of laboratory-3

**Added**

### प्रयोगशाला कक्ष-4

- Island module with upright (shelves) at middle with drawer, **number of module varies with different institute as follows**

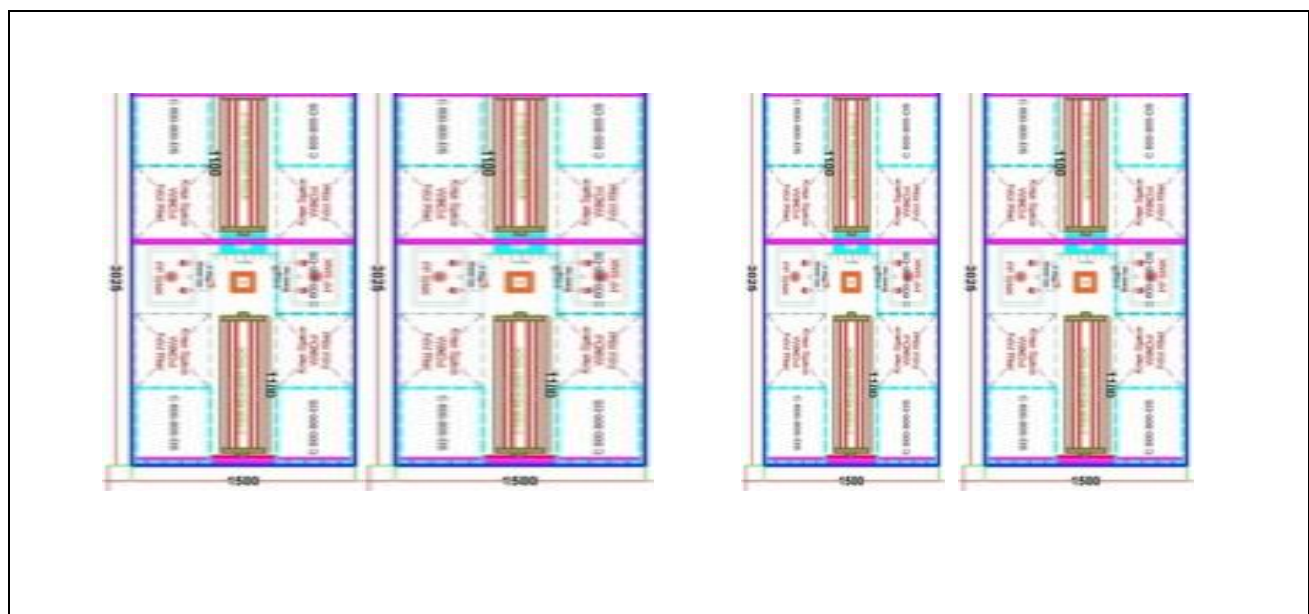
Number of modules			
GPI SIWAN	GPI BANKA	GPI ROHTAS	GPI NALANDA
4	4	4	4

- Provision of electricity supply, water inlet and outlet and LPG gas supplies

#### Details of a single module

Description	Quantity	Unit
Island Bench - L3025 x W1500 X H750 mm	1.00	Nos.
- Work Top Natural Jet Black Granite 18 +/- 1 mm thick	48.84	Sq.feet

- C600X600 mm wide Storage Cabinet with One Drawer and Two Shutter Combination with One Adjustable shelf	4.00	Nos.
- Knee Space Without Footrest	4.00	Nos.
- M600 mm wide Sink Storage Cabinet with Two Shutter Combination	2.00	Nos.
- Three Way Swan neck Type water Tap	2.00	Nos.
- P.P.Sink Size: L560xW355xD245mm	2.00	Nos.
- Peg Board	1.00	Nos.
- Rear Close Panel H900	1.00	Nos.
- Electrical Socket 6/16 amp (2+2) 6Module	4.00	Nos.
- Service Pendate L300xW150xH2400 mm	1.00	Nos.
- C-Frame Stucture-60x30x2mm thk. Hollow Pipe Const.	3.03	R.Mtr




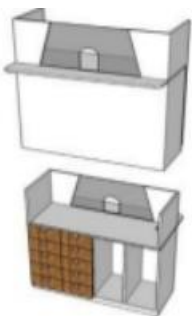
Lay out of LAB-4




Added	<p style="text-align: center;"><b>प्रयोगशाला कक्ष 5 (Machine Room)</b></p> <p>1 Wall Bench (750 mm width) without upright at side wall , <b>number of wall bench as follows:-</b></p>			
	Number of wall Bench			
	GPI SIWAN	GPI BANKA	GPI ROHTAS	GPI NALANDA
	15	15	15	15

Added	<b>DESCRIPTION OF A SINGLE WALL BENCH</b>			
	<b>Sr. no.</b>	<b>Description</b>	<b>Qty.</b>	<b>Unit</b>
		<b>MACHINE ROOM</b>		
	<b>1</b>	<b>Wall Bench - L1200 x W900 X H750 mm</b>	<b>1.00</b>	<b>Nos.</b>
		- Work Top Natural JET Black Granite 18 +/- 1 mm thick	12	Sq.feet
		- C-Frame Stucture-60x30x2mm thick. Hollow Pipe Const.	7	R.Mtr
		- Electrical Socket 6/16 amp (2+2) 6	1	<b>Nos</b>

Added

## प्रयोगशाला कक्ष 6 (Model Pharmacy)

S.No	DESCRIPTION	Size (L x D x HT)	Quantity	Figure
1.	<p>Wall unit 03- made in marine plywood 18mm thk with approved 1mm thk laminate outside and 0.8mm thk laminate inside.</p> <p>Edge finish with 2mm thk edge banding matching to laminate. Front shutter made of clear glass 6mm thk toughened fixed in 50 x 18 frame (operating system openable) with lock. Base chest of drawer front facia made of 18mm thk marine plywood finish with approved laminate and sides cover with 2mm thk edge banding. Ebco- softclose channel for drawers. Inside drawers made of 18mm thk marine plywood finish with balanced laminate both side provided with 4mm thk clear acrylic tray with partition for proper vail &amp; ampoules storages. Also 2 storages with glass shutters provided with double locking system for expensive vail &amp; ampoules.</p>	1200X450X2400	2	
2.	<p>Cash counter- made in marine plywood 18mm thk with approved 1mm thk laminate outside and 0.8mm thk laminate inside.</p> <p>Edge finish with 2mm thk edge banding matching to laminate. Top front clear glass 8mm thk toughened. Base chest of drawer front facia made of 18mm thk marine plywood finish with approved laminate and sides cover with 2mm thk edge banding. Ebco softclose channel for drawers. Inside drawers made of 18mm thk marine plywood finish with balanced laminate both side provided with 4mm thk clear acrylic tray with partition for proper tablets storages. Open space provided for cpu also front ledge.</p>	1200X641X1200	1	
3.	Patient bed- complete bed made of 18 +12+18mm thk marine plywood sandwich together to achieve 50mm thickness. Finish with 1mm thick approved laminate	1800X700X1000	1	

		(excluding metress)			
	<b>4</b>	Wall Display For Certificate And Drug Information- Made Of M.S Frame Readymade Profile Front	600X25X1000	<b>1</b>	
	<b>5</b>	Podium Full Size Lectern: A full Size lectern typically has a uniform width of over 500 mm and a cabinet or box style design for the frame. The full size lectern stands on the floor and offers an average 1200 mm for standing access to the top surface. Made by 18mm HDHMR board .	500x600x1200	<b>1</b>	



**Lay out of Model Pharmacy**