

MICROBIOLOGY

S. No.	Description (as the same to be incorporated in purchase order specifying accessories, spares, manual of instructions charts etc) any other specific certificate, quality standardization or document required	Suggested makes, models & manufacture	Specifications as to material, size, weight as applicable	Net Nos. (in Qty) after adjusting for available stocks
FURNITURE & FIXTURES				
1	Almirah Steel Big Size		(78X36X19)	9
2	Revolving chair		Rexin cover	20
3	Office table		3' X 6'	3
4	Reading table		3' X 3'	3
5	Revolving Stool		Steel	19
6	Gas working table		Marble top	1
7	Display Board		3'X4"	6
8	Carpet flooring for Seminar room		Area - 37.14 sq. m	1
9	Curtains for Seminar room		2 windows 7'X7'	6
EQUIPMENTS				
1	Bio safety cabinet	Dynamicro / Esquire Equips	Class II 4 feet	1
2	Laminar flow cabinet	Dynamicro / Weiber	Vertical 120x60x60 cm	1
3	Inoculation hood	Dynamicro	4' X 2' X 2'	1
4	Automated Blood / TB culture system	Biomerieux / B D	Sensor based detection of growing organisms	1
5	Vortex shaker	Weiber	150 x 150 mm	1
6	Inspissator	Sharma Scientific / Kamleeth Laboratories	45 X 35 cm	3
7	Refrigerator	Any branded star rated company	350 Litre	3
8	Digital weighing machine	Samsung / Phoenix / Mettler	0.01 mg accuracy	2
9	Ultracentrifuge machine	Beckman Coulter / Weiber / Drucker	Variable speed to 10000 RPM	1
10	Centrifuge machine	Remi / Weiber	6 tubes close lead 5000 RPM	3
11	Anaerobic System	Hi-Media	3.5 L	3
12	Incubator, Electric with thermostat	Rolex / Sharma Scientific	Digital display with control program with stainless steel trays 35X35 X35 cm 45X 45X 45 cm	2
13	LPG gas cylinder	Indane	Commercial	2
14	Bunsen burners	Edutek instrumentation		5
15	Micropipette	Finnpipette / Qualigen	0.5 – 10 µl	1
16	Micropipette	Finnpipette / Qualigen	5 – 50 µl	1
17	Micropipette	Finnpipette / Qualigen	5 – 100 µl	1
18	Micropipette	Finnpipette / Qualigen	100 – 1000 µl	1
19	Multichannel pipette	Finnpipette / Qualigen	30 – 300 µl (8 channel)	1
20	Colony counter	Yarkes / Sharma Scientific	Illuminator & autounter	1
21	Fluorescence Trinocular Research Microscope	Olympus / Nikon		1
22	Binocular Microscope	Olympus / Nikon		4
23	Micrometer ERMA OCM 10/100 mm eye piece	ERMA	10/100 mm	5
24	Micrometer stage	ERMA		5
25	Dissecting Microscope	Mertz / Olympus	10 X & 20 X	4
26	Tripod Stand	Edutek instrumentation		10
27	Wire Gauze with Asbestos			10
28	Air Conditioner – Split	LG/Samsung/ Voltas	2 tones	2
29	Multiparameter automatic immunoassay analyzer ELFA technique (Enzyme Linked Fluorescent Assay - fluorescent reading ELISA)			
30	Anaerobic Culture Jar (B.T.L. Type)	Stainless steel / gunmetal 22cm(dia) x 22cm (ht)		
31	Vacuum pump rotary	75 ltr / min 0.25 HP		
32	Gas cylinder Hydrogen	10 ltrs		
33	CO2 Cylinder	10 ltrs		
34	Keys / Regulator / 'T' fitting for cylinder			
35	Football bladder with 'Y' metal connector			
35	Lyophiliser with accessories & consumables			
36	Niacin / chemical fumes hood (outlet on roof having exhaust)	To be fabricated locally		
37	Tray metal to accommodate LJ media	To be fabricated locally		

Bacteriological identification system	bioMérieux/	Mini API system
Multiparameter automatic immunoassay analyzer ELFA technique (Enzyme Linked Fluorescent Assay - fluorescent reading ELISA)	Biomerieux	
Anaerobic Culture Jar (B.T.L. Type)	Acmas technologies/	Stainless steel / gunmetal 22cm(dia) x 22cm (ht)
Vacuum pump rotary		75 ltr / min 0.25 HP
Keys / Regulator / 'T' fitting for cylinder	Local	
Football bladder with 'Y' metal connector	Local	
Lyophiliser with accessories	Esquire Equips / Lyophilization Systems India Pvt Limited /	
Niacin Hood		To be fabricated locally
Tray metal to accommodate LJ media		To be fabricated locally

GLASSWARES/PLASTICWARE/OTHER				
1	Beakers	Borosilicate	1000 ml	2
2	Beakers	Borosilicate	500 ml	2
3	Beakers	Borosilicate	250 ml	2
4	Beakers	Borosilicate	100 ml	2
5	Beakers	Borosilicate	50 ml	2
6	Conical flasks	Borosilicate	2000 ml	0
7	Conical flasks	Borosilicate	1000 ml	0
8	Conical flasks	Borosilicate	500 ml	10
9	Conical flasks	Borosilicate	250 ml	10
10	Conical flasks	Borosilicate	100 ml	4
11	Conical flasks	Borosilicate	50 ml	2
12	Flat bottom flask	Borosilicate	100 ml	2
13	Flat bottom flask	Borosilicate	250 ml	2
14	Measuring cylinder	Borosilicate	500 ml	2
15	Measuring cylinder	Borosilicate	250 ml	2
16	Measuring cylinder	Borosilicate	100 ml	2
17	Measuring cylinder	Borosilicate	10 ml	2
18	Reagent bottles	Borosilicate	2000 ml	2
19	Reagent bottles	Borosilicate	1000 ml	4
20	Reagent bottles	Borosilicate	500 ml	4
21	Reagent bottles	Borosilicate	250 ml	5
22	Reagent bottles	Borosilicate	100 ml	10
23	Reagent bottles	Borosilicate	50 ml	10
24	Pipette	Borosilicate	25 ml	2
25	Pipette	Borosilicate	10 ml	2
26	Pipette	Borosilicate	5 ml	2
27	Pipette	Borosilicate	2ml	2
28	Pipette	Borosilicate	1 ml	2
29	Pipette	Borosilicate	0.2 ml	2
30	Petri dish (glass)	Borosilicate	120 mm	50
31	Petri dish (glass)	Borosilicate	90 mm	200
32	Petri dish (glass)	Borosilicate	180 mm	5
33	Petri dish (plastic)	HiMedia	90 mm	300
34	Test tubes	Borosilicate	150 X 18 mm	500
35	Test tubes	Borosilicate	100 X 12 mm	500
36	Test tubes	Borosilicate	75 X 12 mm	500
37	Test tubes Basket	Tarson		50
38	Test tubes rack plastics	Tarson		25
39	Blood culture bottles	Himedia	10x70 ml	200
40	Blood culture bottles	Himedia	10x20 ml	200
41	Glass beads			100
42	Durham's tube	HiMedia		300
43	Slides Cavity	HiMedia		20
44	Aluminium foil			05 roll
45	Thermometer laboratory		110 ⁰ C	5
46	Thermometer laboratory		250 ⁰ C	5
47	Dissecting Forceps Teeth			10
48	Dissecting Forceps Non Teeth			10
49	Surgical scissors			2
50	Candle jar (Dessicator)	Borosilicate		3
51	Whatman Filter paper No.1 paper			04 boxes
52	Rectangular Specimen jars	Borosilicate	20 X 12 X 10 mm	10
53	Wash bottle 250ml	Tarsons	[polylab]36602	25
54	Funnel	Borosilicate	2"	2
55	Funnel	Borosilicate	3"	2
56	Funnel	Borosilicate	4"	2
57	Funnel	Borosilicate	6"	2
58	Centrifuge tube	Borosilicate	15 ml	200
59	Homogenizer with serrated pestle	Himedia		1
60	Magnifying lens			2
61	Membrane filter (Tarson)	Tarson		2
62	Micropipette tip box	Tarson	Autoclaveable	3
63	Sterile disc		100 disc vial	
64	Bijou bottle		glass, with aluminum screw cap and rubber liner capacity 15ml	
65	MacCartney bottles		aluminum screw cap and rubber liner, Nominal Capacity 27Cm ³	
66	Aluminum screw cap & rubber liner		For MacCartney bottles of capacity 27 cm ³	
67	Conical bottom tubes with screw cap		Polypropelene (12.5 X 125 mm)	

Aluminium foil		
Thermometer laboratory		110 ⁰ C
Thermometer laboratory		250 ⁰ C
Micropipette tip box	Tarson	Autoclaveable
Sterile disc	Himedia	100 disc vial
Bijou bottle	Himedia / Indosaw / Sangmeshwarinternational	glass, with aluminum screw cap and rubber liner capacity 15ml
MacCartney bottles	Himedia / Indosaw / Sangmeshwarinternational	aluminum screw cap and rubber liner, Nominal Capacity 27Cm ³
Aluminum screw cap & rubber liner	Sangmeshwarinternational	For MacCartney bottles of capacity 27 cm ³
Conical bottom tubes with screw cap	Himedia	Polypropelene (12.5 X 125 mm)
Cryo – Tubes	Himedia	Vol. 5 ml , printed Graduation PP
Freezing Boxes for cryotubes (5ml)	Himedia	--
Anti-gas gangrene serum	Bharat Serums & Vaccines Limited	
Anti-diphtheric serum	Vollas International Pharmaceuticals, Chandra Bhagat Pharma Pvt. Ltd.	
Stainless gauze having Aluminum pallets coated with palladium	Himedia / Catalyst & technology	Sachets containing pallets
Cyanogen bromide	Qualigen	