

GOVT. OF ASSAM
OFFICE OF THE PRINCIPAL CUM-CHIEF SUPERINTENDENT
Tezpur Medical College & Hospital, Tezpur Bihaguri-784010, Assam.
(Under Society for Medical Education, Tezpur)

No. TMCH/Purchase/VRDL/50/2014/

Date: 14/12/2023

TENDER NOTICE

Sealed bid (Single envelope system) affixing court fee of Rs.8.25 (Rupees eight & twenty five paisa) only from the authorized Stockiest/Distributors or authorized Dealers are invited for the supply of the Lab. Reagent & Consumables given below to the VRDL department Tezpur Medical College & Hospital, Tezpur. The list of the items along with detailed terms & conditions may be collected on payment of Rs.1000/- (One Thousand) (Non Refundable) only from the office of the Medical Superintendent, Tezpur Medical College Hospital during office hours on all working days from 14th Dec'2023 to 26th Dec'2023. The Prescribed Tender documents containing Terms and conditions can be downloaded from the website tmchassam.edu.in

The tenders are to be submitted to the office of the Medical Superintendent, Tezpur Medical College Hospital, Tezpur during office hours. Last date and time of submission will be 26th Dec'2023 at 12.00 PM. Tender will be opened on the same day at 1.00 PM. in presence of the intending tenderers' or their authorized representatives.

(Prof. (Dr.) K. Hazarika)

Principal cum-Chief Superintendent

Tezpur Medical College & Hospital Tezpur.

Memo No. TMCH/ Purchase/Equipments/50/2014/

Date: 14/12/2023

Copy forwarded for information to:-

1. The Secretary to the Govt. of Assam, Health & F W (B) Deptt. Dispur Guwahati-6
2. The Director of Medical Education, Assam, Housefed Complex, Dispur, Guwahati-6
3. The Chairman Society for Medical Education, Tezpur
4. The Medical Superintendent, TMCH, Tezpur
5. The Investigator of VRDL department, TMCH, Tezpur
6. The Director of Information & Public Relation Officer, Dispur, Guwahati-6. He is requested kindly to publish the tender notice in daily news paper. One in Assamese, English daily for one day only.
7. The Financial Advisor, TMC & H, Tezpur
8. Mr. Satya Deori, Social Worker, TMC&H to upload the tender document in TMC Website.
9. Notice Board.
10. Office copy

(Prof. (Dr.) K Hazarika)

Principal cum-Chief Superintendent

Tezpur Medical College & Hospita Tezpur

Cost of Form: Rs. 1000/-



सत्यमेव जयते

TENDER DOCUMENT

NAME OF WORK : SUPPLY OF
LAB REAGENT & CONSUMABLES
FOR
VRDL DEPARTMENT OF
TEZPUR MEDICAL COLLEGE & HOSPITAL ,
BIHAGURI, TEZPUR, ASSAM - 784010.

FINANCIAL YEAR : 2024-26

NIT NO. : No. TMCH/Purchase/VRDL/50/2014/

NIT ISSUE DATE : 14th Dec'2023

Last date of Submission : 26th Dec'2023

Date of Opening : 26th Dec'2023

Name of the party in whose favour
the Tender form has been issued : _____

Tezpur Medical College Hospital, Tezpur, Bihaguri-784010, Assam
(Under Society for Medical Education, Tezpur) Phone
No:-03712-241305 w.w.w tmcassam.org.

(SEAL & SIGN OF THE ISSUING AUTHORITY)

Documents to be submitted:

1. Dealership/Authorization Certificate from manufacturer.
2. Performance statement/Experience Certificate from competent authority.
3. I.T. Clearance Certificate/I.T. Return of last assessment year and PAN card.
(photocopy duly attested).
4. GST Registration Certificate and up to date GST Clearance Certificate (photocopy duly attested).
5. Trade License from competent authority. (Photo copy duly attested).
6. Non Conviction Certificate & Market Standing Certificate (if any) from competent authority.
7. Financial Statement of last 3 Years from C.A is to be enclosed.
8. Financial sound Certificate from banker is to be enclosed.
9. Affidavit in support of tender is to be enclosed in original (duly signed by the Notary public).
10. Original Document is to be shown during opening of technical bid or on scrutiny.

Sd/-
(Prof. (Dr.) K Hazarika)
Principal cum Chief Superintendent
Tezpur Medical College & Hospital
Tezpur

ANNEXURE - II

Terms and Condition:

1. Technical and Financial bids are to be submitted together in sealed envelope clearly indicating the Tender Ref. No on the envelope and addressed to the Principal, TMC&H Tezpur.
2. The rates against each items of the enclosed list should be quoted in figures and words and that shall be inclusive of all taxes, etc must be submitted in Financial bid.
3. The cover containing the tender should be super scribed as the “**TENDER FOR LAB REAGENT & CONSUMABLES FOR VRDL DEPARTMENT**”, in block letters.
4. Incomplete and defective tender shall not be accepted.
5. EMD of Rs. 25,000/- (twenty five thousand) only in the form of FDR of schedule Bank valid for one year pledged to the “Member secretary, SMET” to be submitted. Any bid from a bidder who fails to furnish EMD will be summarily rejected as the purchaser non responsive.
6. The authorized Stockist / Distributors or authorized dealers will have to supply the same percent of materials as specified in the supply order. In case of any discrepancy noticed regarding quality/quantity of the materials, the tenderers’ will have to bear the losses for such supply.
7. The work/supply order will be placed as and when requirement arises and payment will made subject to the availability of fund after observing all formalities. Any claim for advance payment will not be entertained. No interest will be paid for late payment (if any).
8. In the event of failure to supply the required materials as ordered in stipulated period, the order will be automatically cancelled and will invite forfeiture of the security deposit.
9. The rates shall be valid for two year from the date of acceptance of the tender.
10. Items have to be supplied within 10 (ten) days from the receipt of supply order.
11. There should be provision for supply immediately in emergency basis as and when necessary.
12. Samples to be submitted during technical evaluation. Technically qualified bids will be taken up for financial bid evaluation.
13. Items supplied should be as per specifications and samples submitted.
14. In case of holiday next working date and time will be the last submission time of tender.
15. Canvassing in any form will make the tender liable to rejection.
16. Price escalation will not be allowed in any case.
17. The tender should be written neat and clean without any cutting/overwriting.
18. The Tender documents should be page marked with signature and seal on each page.
19. The undersigned reserve the right to accept or reject any or all tender or part thereof without assigning any reason thereof and under no any circumstances, the undersigned is bound to accept the lowest rate of the tender.
20. The Courts at Tezpur shall have the jurisdiction to settle up any/all disputes if arise.

Sd/-

(Prof. (Dr.) K Hazarika)

Principal cum Chief Superintendent

Tezpur Medical College & Hospital, Tezpur.

<u>REQUIRMENT LIST: VRDL, DEPARTMENT OF MICROBIOLOGY, TMCH, 2024 - 2026</u>							
A) Reagents & consumables :			Manufactured	Price In Number	Including GST	Price In Words	
1	Rectified Spirit	500 ml					
2	Absolute Alcohol	500 ml					
3	70% ethanol	500 ml					
4	Agarose	500 gm					
5	Ethidium bromide solution 50 ml	50 ml					
6	Sodium hypochlorite	litre					
7	Viral Transport Medium with swabs .	100 nos.					
8	Nuclease free water(molecular grade)	25/50ml					
9	RNase OUT- 250 ml	250 ml					
10	DNA OUT (DNA Zap)- 250 ml	250 ml					
11	Spillage kit combo pack	pack					
12	Paraffin roll	Roll					
13	pH paper	packet					
14	Cryo tags (rectangular shape small)	roll					
15	Molecular grade Ethanol	500 ml					
16	Chrome Azurol S Agar	250 gm					
17	Gelatin Agar	500 gm					
18	Cetrimide Agar	500 gm					
19	1% Tannic acid	100 gm					
20	Chrome Azurol S	25 gm					
B) Serological kits, ELISA, PCR kits							
21	CRP (latex)	20 tests/pkt					

22	HAV IgG/IgM	10 Test				
23	HBe Ag	95 Test				
24	Leptospira Ab	10 Test				
25	Dengue IgG/IgM	10 Test				
26	Dengue NS 1Ag +Ab Combo	10 Test				
27	Influenza Ag PandemicA (H1 N1)	20 Test				
28	Rubella IgG/IgM	10 Test				
29	Anti HAV Rapid kit	10 tests/pkt				
30	HBsAg Rapid kit	100/pkt				
31	Anti HCV Rapid kit	50 tests/box				
32	ANA Rapid Kit (latex)	25 tests/pkt				
33	Anti HEV Rapid kit	10 tests/pkt				
34	HSV 1 & 2 IgM ELISA kit	96 tests/pkt				
35	HSV 1 & 2 IgG ELISA kit	96 tests/pkt				
36	Cytomegalovirus IgG ELISA kit	96 tests/pkt				
37	Rubella IgG ELISA kit	96 tests/pkt				
38	Toxoplasma IgM ELISA kit	96 tests/pkt				
39	Toxoplasma IgG ELISA kit	96 tests/pkt				
40	Scrub typhus IgM ELISA kit	96 tests/pkt				
41	Leptospira IgM ELISA kit	96 tests/pkt				
42	Anti HEV ELISA kit	96 tests/pkt				
43	Anti HAV ELISA kit	96 tests/pkt				
44	Hepatitis C (Anti HCV Antibody) Elisa kit	96 tests/pkt				
45	Hepatitis B (HBsAg) Elisa kit	96 tests/pkt				
46	DNA extraction kit (Blood,serum,plasma,fluid, tissue, nasal and oral samples)	100 reaction				

47	RNA extraction kit (Blood,serum,plasma,fluid, tissue, nasal and oral samples)	100 reaction				
48	Hepatitis B core antigen (HBcAg)- Elisa kit	96 tests/pkt				
49	IgM Anti-HBcAb Elisa kit	96 tests/pkt				
50	IgG Anti-HBcAb Elisa kit	96 tests/pkt				
51	Anti-HBe AB Elisa kit	96 tests/pkt				
52	Parvo B-19 IgM Elisa kit	96 tests/pkt				
53	Varicella Zoster IgM Elisa kit	96 tests/pkt				
54	Cytomegalo virus IgM Elisa kit	96 tests/pkt				
55	Rota virus Antigen Elisa kit	96 tests/pkt				
56	Adeno virus Antigen Elisa kit	96 tests/pkt				
57	Astro virus Antigen Elisa kit	96 tests/pkt				
58	Noro virus Antigen Elisa kit	96 tests/pkt				
59	Epstein-Barr IgM Elisa kit	96 tests/pkt				
60	Hepatitis Delta Total Ab Elisa kit	96 tests/pkt				
61	Japanese encephalitis IgM Elisa kit	96 tests/pkt				
62	Dengue IgM Elisa kit	96 tests/pkt				
63	Dengue NS1 Elisa kit	96 tests/pkt				
64	Respiratory Viral pathogen panel test Real time multiplex PCR kit	48 or 96 reaction				
65	Respiratory pathogen panel test Real time multiplex PCR kit	48 or 96 reaction				
66	Influenza panel kit Real time multiplex PCR kit	48 or 96 reaction				
67	Chikungunya IgM Elisa kit	96 tests/pkt				
68	Zika virus Real time PCR kit	48 or 100 reaction				
69	SARS-CoV-2 (COVID-19) Real time PCR kit	48 or 100 reaction				
70	Total Nucleic acid extraction kit -100 reaction (serum, plasma, blood, tissue, fluid, nasal and oral samples)	50 or 100				
71	West Nile Virus IgM Elisa kit	96 tests/pkt				

72	Mumps IgM Elisa kit	96 tests/pkt				
73	Measles IgM Elisa kit	96 tests/pkt				
74	Hepatitis A IgM Elisa kit -96 well plate	96 tests/pkt				
75	Hepatitis E IgM Elisa kit -96 well plate	96 tests/pkt				
76	Tropical fever panel Real time PCR kit	48 or 96 reaction				
77	Hepatitis B (quantification of viral load) Real time PCR kit	24 or 48 reaction				
78	Hepatitis C (quantification of viral load) Real time PCR kit	24 or 48 reaction				
79	Varicella Zoster Real time PCR kit	48 or 96 reaction				
80	Dengue & Chikungunya Detection Real time PCR kit	48 or 96 reaction				
81	Dengue virus serotypes detection Real time PCR kit	48 or 96 reaction				
82	Leptospira Real time Pcr kit	48 or 96 reaction				
83	Japanese encephalitis Real time PCR kit	48 or 96 reaction				
84	Scrub Typhus Real time PCR kit	48 or 96 reaction				
85	PCR master mix reagents (Enzymes, buffer, Magnesium chloride, dNTP, primers, PCR grade water)	2 ml/5ml vials				
86	Flu panel with RSV detection Real time PCR kit	48 or 96 reaction				
87	Neuro Panel Real time PCR kit	48 or 96 reaction				
88	Chikungunya virus detection Real time PCR kit	48 or 96 reaction				
89	Cytomegalovirus Real time PCR kit	48 or 96 reaction				
90	BKV viral load kit	48 or 96 reaction				
91	Dengue virus detection Real time PCR kit	48 or 96 reaction				
92	Epstein-Barr virus Real time PCR kit	48 or 96 reaction				
93	Human parvovirus Real time PCR kit	48 or 96 reaction				
94	Leptospira Real time PCR kit	48 or 96 reaction				
95	Ethidium bromide solution 50 ml	10ml/50 ml				
C) Consumables Required for Automated Extraction Machine						

96	Automated extraction reagents combo pack for Kingfisher Duo - 500ml	500 ml				
97	Kingfisher Duo 12-Tip Comb(pack of 50 Tip) , Consumables compatible with Kingfisher Duo Prime Automated Extraction machine)	pkt				
98	Deep well 12 channel plate (pack of 50 pcs) compatible with Kingfisher Duo Prime Automated Extraction machine (12 well)	pkt				
99	Kingfisher Duo Elution Strip (pack of 40 strip) compatible with Kingfisher Duo Prime Automated Extraction machine	strip				
100	Kingfisher Duo Cap for Elution Strip 12 pin magnet (pack of 40 pcs) compatible with Kingfisher Duo Prime Automated Extraction machine	strip				
101	Microamp Clear Adhesive Film cs) compatible with Kingfisher Duo Prime Automated and ILS GEN FAST automated Extraction machine	pkt				
102	ILS GEN FAST automated compatible reagents and consumables combo pack- 1000 reaction	1000 reaction				
103	250µl automated filter tips (10 boxes per bag), compatible with automated extraction machine	box				
	D) Consumables					
104	100-1000 µL non filter tips (with lot Specific certificate)	pkt				
	Description: Standard colorless 100-1000 µL, 2 bags of 500 tips = 1,000 tips					
105	200 µL filter tips (with dual filter tips and lot Specific certificate)	box				
	Description: RNase, DNase free, sterile and PCR clean, 10 racks of 96 tips = 960 tips					
107	200 µL non filter tips (with dual filter tips and lot Specific certificate)	pkt				
	Description: Standard colorless 2-200 µL, 2 bags of 500 tips = 1,000 tips					
108	2-20 µL filter tips (with dual filter tips and lot Specific certificate)	box				
	Description: RNase, DNase free, sterile and PCR clean, 10 racks of 96 tips = 960 tips					
109	2-20 µL non filter tips (with lot Specific certificate)	pkt				

	Description: Standard 2-20 µL, 2 bags of 500 tips = 1,000 tips					
110	0.5-10 µL filter tips (with dual filter tips and lot Specific certificate)	box				
	Description: RNase, DNase free, sterile and PCR clean, 10 racks of 96 tips = 960 tips					
111	1.5 ml micro centrifuge tubes (with safe lock lid and lot Specific certificate)	pkt				
	Description: Safe-Lock Tubes, 1.5 mL, colourless, 1000 pcs					
112	2 ml micro centrifuge tubes (with safe lock lid and lot Specific certificate)	pkt				
	Description: Safe-Lock Tubes, 2.0 mL, colourless, 1000 pcs					
113	1000 µL filter tips, 10 racks of 96 tips = 960 tips	box				
114	200 µL filter tips, 10 racks of 96 tips = 960 tips	box				
115	20 µL filter tips, 10 racks of 96 tips = 960 tips	box				
116	10 µL filter tips, 10 racks of 96 tips = 960 tips	box				
117	Autoclavable bag (medium size, large size)	pkt				
118	Nitrile Gloves(size 6.5,) high quality	pkt				
119	Nitrile Gloves (size 7) high quality	pkt				
120	Nitrile Gloves (size 7.5) high quality	pkt				
121	Latex gloves (size 6.5)	pkt				
122	Latex gloves (size 7)	pkt				
123	Latex gloves (size 7.5)	pkt				
124	Parafilm roll	roll				
125	Zip Lock (small, medium, large)	pkt				
126	Cryo vials 1.5 ml, 2 ml, 5ml (with lot specific certificate)	pkt				
127	96 well pcr plate skirted/semi skirted x 0.2 ml (compatible with Quant studio 5.0 and ABI 7500 machine)	pkt				
128	PCR tubes of strip of 1x8 (capacity 0.2 ml attached single flat caps, opaque, standard profile)	pkt				
129	Biohazard Disposable Bag 8"x12",	pkt				
130	Biohazard Disposable Bag12"x24",	pkt				

131	Biohazard Disposable Bag,	pkt				
132	Sample Bags 6"x13",	pkt				
133	Sample Bags 9"x13",	pkt				
134	96 well PCR Plate Sealing Film, Adhesive Optical, 100/pk	pkt				
135	High quality grade Bio-Medical waste Dustbin with pedal lifting (Size: 35 to 40 liter) (Yellow, Red, Blue, Black)	piece				
136	Storage vial (designed for use with samples from -80°C to 121°C. DNase, RNase, and Pyrogen-free. Used for storage of PCR reagents, Enzymes and other diagnostics, biochemical reagents or samples. Capacity: 1ml, 2ml, 4.6ml	pkt				
137	Screw cap vials (Polypropylene, transparent, sterilized, self- standing screw cap tubes with O-ring. Must be chemical and thermal stable with internal graduation and proper marking area) 1ml, 2ml,5ml	pkt				
138	Falcon tube (50 ml) Polypropylene, transparent,steriliized	pkt				
139	Test tube (15 ml) Polypropylene, transparent, sterilized	pkt				
140	Plastic beaker (Borosilicate heat resistant polypropylene plastic and autoclavable)	piece				
	1000ml, 500ml, 250ml, 100ml					
141	Reversible PCR Racks	piece				
142	Utility tray 320x260x100 mm(Autoclavable, Polypropylene)	piece				
143	Conical flask with screw cap (Autoclavable), 250 ml and 500 ml capacity	piece				
144	Drying rack (No. of pegs 30)	piece				
145	Float rack 1.5ml x 8 capacity	piece				
146	Funnel (size Dia mm 65)	piece				
147	Glove dispenser	piece				
148	Indicator tape for autoclave (1" x500"	pkt				
149	Instrument sterilizing pan (220x150x70 mm)	piece				
150	Measuring beaker with handle (autoclavable) 200, 500 ml capacity	piece				
151	Measuring cylinder 100ml, 500 ml capacity	piece				

152	Parafilm Dispenser	piece				
153	Storage box capacity 300 (75x62x117 mm)	box				
154	Wash bottle 250ml and 500 ml capacity (material LDPE)	piece				
155	Cryo plastic box with lid for storage of samples 96 well - 1.5ml/2ml capacity	box				
156	White puncture proof, leak proof containers (for sharps) 5 Ltr, 6.5 Ltr capacity	piece				
157	Puncture proof, leak proof boxes or containers with blue coloured marking	piece				
158	Autoclavable bags (8'')	piece				
159	Autoclavable bags (10'')	piece				
160	Autoclavable bags (14'')	piece				
161	Tissue roll	piece				
162	Filter paper	Roll				
163	Spirit lamp	piece				
164	Glass rod	piece				
165	Serological rack	piece				
166	Water dispensing bottle	piece				
167	Test tube (5ml, 10ml, 15 ml, 50ml)	piece				
168	Test tube holder	piece				
169	Plain forcep	piece				
170	Egg holder	piece				
171	Plain scissor	pair				
172	Micropore tape	piece				
173	Test tube rack	piece				
174	Unsterile gloves (Examination gloves)	piece				
175	Cotton roll	Roll				
176	Sodium hypochlorite	5 ltr				

177	Bleaching powder	500 gm				
178	Distilled water	5 ltr				
179	Syringe Membrane filter, pore size 0.2µm or 0.45µm	piece				
180	Glass beaker (50ml, 500 ml, 100ml, 1000ml)	piece				
181	Spatula (one end flat and one end spoon)	piece				
182	Scalpel blade, size 22	1x100				
183	Sealing tape for lab ware	roll				
184	Test Tube Rack "Z" shape (Metal)	1pc				
185	Centrifuge Tubes, (5-10ml BLUE, Red Cap) bulk pack	pct				
186	Hispark cleaning solution	5ml				
187	Multipurpose clinical sample collector	100pcs				
188	Slides staining jar Coplin type	1 pc				
189	Sterile disposable Petri plate 100mm	pkt				
190	Sterile flocked nylon swab with breakpoint (scored)	pkt				
191	Sterile Uricol	1piece				
192	Straight wire (Nichrome)	piece				
193	Table Lamp	piece				
194	Triclogel dispenser bottle	piece				
195	Triclogel hand disinfectant gel	500ml				
196	Absorbent Cotton roll	500gm				
197	Reagent Trough	piece				
198	Bread box transparent	piece				
199	Micro Pipette stand	1piece/6tube				
200	Air Sampler System LA 002	1piece				
201	MicroAmp™ Optical Adhesive Film	pkt				
202	Cryo Tube 1.8 ml (autoclavable)	pkt				
203	Cryo Tube 4 ml (autoclavable)	pkt				
204	Cryo Tube 5 ml (autoclavable)	pkt				
205	1.3 µL U-Bottom deep well plate (2 plates per bag	pkt				

206	Micro-centrifuge Tubes, 1.5ml	pkt				
207	Glass Jar with lid 1000ml	piece				
208	Screw Cap Flat bottom Plastic Vials, 1.8 ml	pkt				
209	Ziplock Bags 5"x7"	pkt				
210	Ziplock Bags 8"x10"	pkt				
211	Ziplock Bags 10"x12"	pkt				
212	Cryo Tags (38x19)	1000 pieces				
213	Reversible Rack, 1.5 ml, 80 places	piece				
214	Centrifuge tube plastic sterile (10 & 15 ml)	piece				
215	Centrifuge tube plastic sterile (50 ml)	pkt				
216	Colorimeter cuvette	pkt				
217	Sterile Urine Container for culture	piece				
218	Glass Beaker 50 ml	piece				
219	Glass Beaker 500 ml	piece				
220	Glass Beaker 1000 ml	piece				
221	Measuring Pipette (Glass)	piece				
222	Pasteur pippete	piece				
223	Dispensing Bottle (Plastic)	piece				
224	Test tube holder	piece				
225	Test tube cleaning brush	piece				
226	Conical Flask (Glass- 200 ml)	piece				
227	Conical Flask (Glass- 500 ml)	piece				
228	Conical Flask (Glass- 1000 ml)	piece				
229	Measuring Cylinder (Glass 100 ml)	piece				
230	Measuring Cylinder (Glass 1000 ml)	piece				

231	Volumetric Flask (Glass 20 ml)	piece				
232	Volumetric Flask (Glass 50 ml)	piece				
233	Volumetric Flask (Glass 100 ml)	piece				
234	Volumetric Flask (Glass 200 ml)	piece				
235	Volumetric Flask (Glass 500 ml)	piece				
236	Volumetric Flask (Glass 1000 ml)	piece				
237	Petridish (disposable)	piece				
238	Micropipette (fixed 5µl, autoclavable)	piece				
239	Micropipette (fixed 10µl, autoclavable)	piece				
240	Micropipette (fixed 20µl, autoclavable)	piece				
241	Micropipette (fixed 100µl, autoclavable)	piece				
242	Micropipette (fixed 200µl, autoclavable)	piece				
243	Micropipette (fixed 1000µl, autoclavable)	piece				
244	Micropipette (fixed 50µl, autoclavable)	piece				
245	Multichannel Micro Pipette (8 channel) -0.5µl to 10µl (variable, autoclavable)	piece				
246	Multichannel Micro Pipette (8 channel) -5µl to 50µl (variable, autoclavable)	piece				
247	Multichannel Micro Pipette (8 channel) -50µl to 1200µl (variable, autoclavable)	piece				
248	Multichannel Micro Pipette (12 channel) -0.5µl to 10µl (variable, autoclavable)	piece				
249	Multichannel Micro Pipette (12 channel) -5µl to 50µl (variable, autoclavable)	piece				
250	Multichannel Micro Pipette (12 channel) -50µl to 1200µl (variable, autoclavable)	piece				
251	Multichannel Micro Pipette (8 channel) -20µl to 200µl (variable, autoclavable)	piece				
252	Multichannel Micro Pipette (8 channel) -10µl to 100µl (variable, autoclavable)	piece				
253	Micro pipette single channel– 0.2µl to 2µl (variable, autoclavable)	piece				
254	Micro pipette single channel– 0.1µl to 10µl (variable, autoclavable)	piece				
255	Micro pipette single channel– 10µl to 100µl (variable, autoclavable)	piece				

256	Micro pipette single channel– 2µl to 20µl (variable, autoclavable)	piece				
257	Micro pipette single channel – 100µl to 1000µl (variable; autoclavable)	piece				
258	Micro pipette single channel– 20µl to 200µl (variable; autoclavable)	piece				
259	Micropipette single channel- 50µl- 500µl (variable, autoclavable)	piece				
260	Micropipette single channel- 5µl - 50µl (variable, autoclavable)	piece				
261	Fumigation machine- 20-50 litre capacity	piece				
E) MISCELLANEOUS ITEMS						
262	Roll of Aluminum foil	Roll				
263	Autoclave wrapping paper for wrapping materials during autoclaving	per piece				
264	Tourniquet	per piece				
265	Tissue Paper Roll	Roll				
266	Triple Layer Mask	pkt				
267	Disposable head cap	pkt				
268	Disposable Surgical Mask	pkt				
269	Cotton thread roll	roll				
270	Hand sanitizer (Chlorhexidine/alcohol) with emollient and Moisturizer	500ml				
271	Multipurpose labelling tape roll (size 075’’x500’')	Roll				
272	Cryo tags small and medium size	per piece				
273	Cryo gloves (mid arm)	per piece				
274	Sterilizing pan	per piece				
275	Dettol Hand wash liquid (500 ml)	500 ml				
276	Room freshner spray (500ml)	500 ml				
277	Dish wash liquid (500 ml)	500 ml				
278	Fevicoltube (200 ml)	200 ml				

279	Slippers: size8, size7, size6	size				
280	Detergent powder (1kg)	kg				
281	Epson M200 (printer ink) bottle	250ml				
282	Plastic file folder	per piece				
283	Bathroom freshner	pkt				
284	Scissor (medium size, large size)	per piece				
285	Paper Puncher (small, medium size)	per piece				
286	N95 Mask (standard quality)	per piece				
287	Mikrozyd HP 10 (disinfectant)	litre				
288	PPE Kit (standard quality)	per piece				
	F) LIST OF INSTRUMENTS					
289	Normal non refrigerated centrifuge (Brushless induction motor, speed max RPM 6500, Rotor for 12 x 5 ml- 15 ml, Rotor for 50 ml tubes; LED Display,Timer control; pulse or timer<30 sec; Rotor for 12 x 5 ml- 15 ml, Rotor for 50 ml tubes; LED Display,Timer control; pulse or timer<30 sec	piece				
	Voltage 100-230VAC,50/60Hz,Noise level-DB<56,imbalance detection, weight 10 -20 kg; warranty 2 years from till date of installation; AMC from date of expiry of warranty.					
290	Micro mini centrifuge (Capacity 12/8 x 1.5ml/2ml tubes, LED display,voltage-220V	piece				
	Noise level DB<56,speed max RPM 7200,RCF max(g) 3260, Timer control: pulse or timer<30 sec; Dimension(cm) 16x18x13 ,weight approx(kg) 0.8					
291	Micro mini centrifuge (Capacity PCR strip rotor 2strips of 8 x 0.2ml, adapter for microtubes 0.5ml capacity	piece				
	Noise level DB<56,speed max RPM 7200,RCF max(g) 3260, Timer control: pulse or timer<30 sec Dimension(cm) 16x18x13 weight approx(kg) 0.8, LED display,Voltage 220V					
292	Normal bacteriological Incubator (Digital LED display, adjustable overshoot alarm & heater cut off,	piece				
	capacity 45-80 litres, lowest power consumption, Air ventilators are provided on both sides at top to ventilate					
	gas or fumes, thermostat control knob,ON/OFF switch and two pilot lamps.Inner chamber made of steel with 2-4 shelves; Warranty 5 years from till date of installation; AMC 5 years from date of expiry of warranty					

293	<p>Laminar Air Flow (2 feet) (Vertical laminar flow cabinet; Approximately 4 Feet length X 2 feet depth, 304SS interior, epoxy/powder coated exterior Door fully closing with hinged sash.</p> <p>Support stand, solid one piece dished work surfaces; Down flow velocity of 40-70 fpm, ISO Class 5 or higher air; HEPA filter, (99.99% efficient on particles 0.3 micron)/ULPA filter (efficiency of >99.999% at 0.1 to 0.3 micron sizes) provided with pre-filter; UV and sufficient illumination for work space; For monitoring the condition of all HEPA filters as well as work space; Should include 210-240V/50-60 Hz ; Warranty 5 years from till date of installation; AMC 5 years from date of expiry of warranty</p>	piece				
294	<p>Biological safety cabinet (NSF 49/EN1249 or Equivalent standard ; Approximately 4 Feet length X 2 feet Depth; Bio safety cabinets Class II, Type A2; 304 stainless steel interior; Epoxy-coated steel exterior; Removable,seamless, dished work surface with lift out knobs Door- Fully closing, clear ¼” tempered safety glass sash Counter balanced with base stand; Class 100, Supply and exhaust through HEPA filters. Inflow velocity of 105 fpm (0.5 m/sec), Down flow velocity of 55 fpm (0.3 m/sec), 70 % air recirculation;UV and sufficient illumination for work space; For monitoring the condition of all HEPA filters as well as work space; Installation & onsite validation; Calibration certificates; Manuals: Operation, maintenance & part list with detailed specifications; Operational & maintenance Training; Should include 210-240V/50 Hz; Warranty 5 years from till date of installation; AMC 5 years from date of expiry of warranty</p>	piece				
295	<p>Refrigerated high speed centrifuge: (CE or UL certified or conformity; European -4 to +40°C; 14000 RPM or more; Digital for temperature for air and chamber, time and RPM/RCF, Microprocessor controlled; Brushless drive; Programs-90-99 and with program recall facility; Fixed angle rotor: 24x1.5-2.0ml; Fixed angle rotor: 24X1.5 ml tubes, 250 ml, Swing out Rotor and adopters for: 5-10 ml tubes,15ml, 50ml and 250 ml tubes, micro plate; 210-240V/50-60 Hz or Suitable power supply; Warranty 5 years from till date of installation; AMC 5 years from date of expiry of warranty</p>	piece				
296	<p>Horizontal Gel Electrophoresis system (Submerged gel electrophoresis apparatus with clear plastic construction for easy sample visualization; Tray should be UV transparent, length 12-15cm and width 12-15cm; Combs: 10-15 wells and 25-30 well. All combs of 1mm thickness; The unit should bear minimum 3 years comprehensive and 2 years non-comprehensive warranty.</p>	piece				
297	<p>Automated ELISA Microplate Washer : (96 well microplates and strips, with flat, round, or “V” bottom well; 12 Channels; In built with Positive displacement syringe pump, drive Systems with adjustable flow rates; Memory for around 50 programs including dispensing Volume (50 to 300ul/well) and multispeed microplate shaking program; Wash, rinse and waste (volume 4-6 liter); Aerosol cover, removable Plate carrier, spill over protection and overflow protection safety system; LCD Display with Membrane Keypad ; power supply 210-240V/50-60 Hz; The unit should bear minimum 3 years comprehensive and 2 years non-comprehensive warranty</p>	piece				

298	ELISA Reader: capability 24, 48 or 96 well micro plates; spectral range 400-750nm, Accuracy +-1nm; absorbance 0-4 O.D. Range; accuracy Up to 0.001 O.D.; provision Curve fittings formulas transformations & control assay validation, with compatible interface with PC & external printer; Spare Lamps 2 Nos. power supply 210-240V/50-60 Hz; The unit should bear minimum 3 years comprehensive and 2 years non-comprehensive warranty.	piece					
299	Fine Analytical Balance: Single pan Analytical Balance with highest accuracy for weighing processes; readouts to have at least four decimal places. Equipped with a draft shield chamber to eliminate interfering ambient effects; weighing range 0.01 – 60 g; readability 0.1 mg; calibration External; LCD Display; verification interval 0.001 g; pan size 80 - 100 mm; power supply 210-240V/50-60 Hz. Warranty 2 years	piece					
300	Digital pH Meter (Compact, Table top; Electrode Dual; capability To measure pH, Temperature, mV & relative mV; pH Range 0 to 16.00, pH, Accuracy, + 0.01 Resolution 0.002; Temperature Approximately 0 to 120o C, Accuracy + 0.5° C; MV/Rel.mV : + 1999, Resolution; LCD for pH and temperature readings simultaneously; Unit able to recognize auto buffer along with custom buffer options; calibration Automatic as well as manual; temperature compensation Automatic ; power supply Should include 210-240V/50-60 Hz; warranty 2 years	piece					
301	Laboratory Refrigerator: Double/single door refrigerator, Inner chamber stainless steel 304 grade, Door locking system, magnetic door gasket, adjustable shelves , auto defrost facility; capacity 275-300 Litre; Refrigerant CFC Free; controls moisture and humidity; audio-visual alarm for door open and temperature fluctuation compressor on/off indicator; Should include 210-240 V/50-60 Hz; warranty 2 years	piece					
302	Microwave oven: Chamber dimension – (WXHxD) app. 12 X 7 X 13 Inch. Stainless steel chamber with ceramic interior, see-through panel in door. Audible tone signals after finishing the programme operation; heating mode Non Convection ,non grill; timer Electronic; Adjustable upto 30 mins; LED/LCD with selectable power level; Should include 210-240 V/50-60 Hz; warranty 2 years.	piece					

303	Real time RT-PCR machine: Table top model; Complete system including basic system, essential accessories, the state-of-art computer workstation, acquisition and analysis software, startup kit inclusive of calibration standards etc.; Open system to accommodate Taqman, SYBR green and all other fluorescent dye based chemistries. ;Peltier based 96 well block ; Standard optical 96 well plates, 0.2 ml strips, 0.2ml tubes compatibility;Min sample value requirement - 5µl; CCD camera with halogen/LED and at least five excitation and five emission filters; Multiplexing ability up-to five dyes in a single run; Calibrated dyes at installation: FAM/SYBR Green, VIC/JOE, NED/TAMRA/Cy3, ROX/Texas Red®and Cy5, Should offer flexibility in dye selection.;Facility to calibrate new dye within the wavelength range without addition of new filters; Passive reference dye ROX or any other calibrated dye and should be optional; Option for melt curve analysis; Temperature range 4oC to 100oC; Sensitivity: Detection of 1 copy of template; Software applications: Comparative Ct, Standard Curve, Relative Standard Curve, Allelic Discrimination / SNP Genotyping, Plus/Minus, dissociation / melt curve; 220 V /50Hz. All accessories; CE mark or equivalent; Warranty 5 years from till date of installation; AMC 5 years from date of expiry of warranty	piece					
304	Water bath : Water Bath made of stainless steel, from manufacturer/authorized dealers having installation in reputed institutes/ firms; Anti-corrosive 4 chambers each with capacity of 3-4 lit; Ambient to 100° C, with Digital temperature display and 0.1°C readability, microprocessor controlled; power supply 210-240V/50-60 Hz; warranty 2 years.	piece					
305	Vertical Autoclave: Fully automatic vertical autoclave, suitable for sterilization under working steam pressure up to 15 PSI or more and temperature of 121°C or more.; Unit made of SS 304 chamber, approx inner dimensions 16"" to 25"" (diameter x depth). Lid made of heavy gauge lid, die pressed S.S.304 with pressure gauge, steam release valve & necessary Safety valves, with foot lifting arrangement to open lid, programmable, with all functional accessories.; capacity 70 to 80 lit ; Time and temperature LCD display ; Low water level alarm and cut off / Sensor open alarm; Perforated carriers made up of SS 304 (3-4 Nos.) ; 220/230 volts AC-50 Hz or Suitable power supply; warranty 2 years.	piece					
306	Vortex mixer : Dimension (WxDxH) 140x160x130 mm; weight 2.2 kg; type of auxillary energy 230 V 50 Hz; maximum speed 2850 rpm; minimum permitted ambient temperature 4°C; movement type orbital, touch operation, continous operation	piece					