

**UNIVERSITY OF ENGINEERING AND APPLIED SCIENCES, SWAT**  
**PRILIMINARY EVALUATION REPORT FOR THE PROCUREMENT OF BIO-ENGINEERING EQUIPMENTS**  
Tender Reference: U-EAS/2021-22/260/262/268,269,271-275/277 (Date of Opening: 13-04-2022. )

SR# / Firm Name	Firm Specifications/ Model/ Brand	Stage-1-Requirements				Stage-1-Result	Stage-2-Requirements					Stage-2-Result	Remarks (If Any)	
		'OEM-Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
<b>BIO-ENGINEERING (CATEGORY-1)</b>														
Sr #	1	Vortex												
1	M/s S.U Enterprises	MX-S DLAB-USA	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Modle: VMX-S	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidivit was not provided
6	M/s The World Wide Scintific	Thermo Fisher Scientific Model: Digital vortex Mixer	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Model ZX3, Velp Made in Italy.	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
9	M/S H.A Shah & Sons	Not Quoted												
10	CAPRI Medicals	Not Quoted												
11	Pakistan Hospital and Industrial labortory Co.	88882010	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	DLAB,USA (Origin china) Modle: MX-S	No	Yes	Yes	Yes	Pass	Yes	Yes	Yes	No	Yes	Non Responsive	3rd Party/Sub-Authorisation not Acceptable.Authorisation required from OEM
2		Microspin												
1	M/s S.U Enterprises	D3024-DLAB-USA	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Model CFG-16.5B/ CFG-MINI 15R	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidivit was not provided



SR# / Firm Name	Firm Specifications/ Model/ Brand	Stage-1-Requirements				Stage-1-Result	Stage-2-Requirements					Stage-2-Result	Remarks (If Any)	
		'OEM- Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
13	M/s Metro Scientific Supplies Company	Not Quoted												
	<b>4</b>	<b>Micropipettors</b>												
1	M/s S.U Enterprises	AO-2,10,20,100,200,1000-OHAUSA-USA	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Model PIPE- T Single Channel	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidivit was not provided
6	M/s The World Wide Scintific	Autoclavable Digital Micro Pipette M/s NICHIRYO	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Pipette (P2G - P10G- P20G -P100G- P200G-P1000G -)Gilson Made in France.	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
9	M/S H.A Shah & Sons	3123000012	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
10	CAPRI Medicals	Not Quoted												
11	Pakistan Hospital and Industrial labortory Co.	P2-P10-P20-P100-P200-P1000	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	Model S1	No	Yes	Yes	Yes	Pass	Yes	Yes	Yes	No	Yes	Non Responsive	3rd Party/Sub-Authorisation not Acceptable.Authorisation required from OEM
	<b>5</b>	<b>Automatic pipettor for serological pipettors</b>												
1	M/s S.U Enterprises	Not Quoted												
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Model PIPE- LP/PIPE-LM	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidivit was not provided
6	M/s The World Wide Scintific	S1 Pipet Fillers Cat# 9541 M/s Thermo Fisher Scientific	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	









SR# / Firm Name	Firm Specifications/ Model/ Brand	Stage-1-Requirements				Stage-1-Result	Stage-2-Requirements					Stage-2-Result	Remarks (If Any)
		OEM-Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)		
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive	
8	M/S Rays Technologies	Not Quoted											
9	M/S H.A Shah & Sons	A28569	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Responsive
10	CAPRI Medicals	Not Quoted											
11	Pakistan Hospital and Industrial labortory Co.	G8830A	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Non Responsive
12	Meditron	Not Quoted											
13	M/s Metro Scientific Supplies Company	Not Quoted											
<b>11</b>	<b>Thermocycler basic</b>												
1	M/s S.U Enterprises	LABCYCLER GRADIENT SENSOQUEST-GERMANY	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Non Responsive
2	M/s Kamstec International	Not Quoted											
3	M/s AURSOFT Private Limtied	Not Quoted											
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Yes	No	No	No	Yes	Yes	Non Responsive
5	M/s Delta Plus Pvt Ltd	Model PCRTC-S	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Non Responsive
6	M/s The World Wide Scintific	MiniAmp™ Plus Thermal Cyclcr M/s Applied Biosystems Thermo Fisher Scientific	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Responsive
7	M/S Scintific Technical Cooperation.	Not Quoted											
8	M/S Rays Technologies	Not Quoted											
9	M/S H.A Shah & Sons	A24811	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Responsive
10	CAPRI Medicals	A300	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes	Non Responsive
11	Pakistan Hospital and Industrial labortory Co.	Not Quoted											
12	Meditron	Not Quoted											
13	M/s Metro Scientific Supplies Company	Not Quoted											

Orginal affidivit was not provided







SR# / Firm Name	Firm Specifications/ Model/ Brand	Stage-1-Requirements				Stage-1-Result	Stage-2-Requirements					Stage-2-Result	Remarks (If Any)	
		OEM-Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
	<b>15</b>	<b>Power supply</b>												
1	M/s S.U Enterprises	Not Quoted												
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limited	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Model GEP-PW2C	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidavit was not provided
6	M/s The World Wide Scintific	EV3xxx Series Maxi Electrophoresis Power Supply Cat# EV3020 M/s Cleaver Scientific	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Not Quoted												
9	M/S H.A Shah & Sons	Not Quoted												
10	CAPRI Medicals	Not Quoted												
11	Pakistan Hospital and Industrial laboratory Co.	EC300XL2	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	Not Quoted												
	<b>16</b>	<b>Gel apparatus (mini)</b>												
1	M/s S.U Enterprises	Not Quoted												
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limited	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Model GPE-HH-SUB02	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidavit was not provided
6	M/s The World Wide Scintific	multiSUB Mini, Mini Horizontal Electrophoresis System Model: MSMINI7 M/s Cleaver Scientific	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	







SR# / Firm Name	Firm Specifications/ Model/ Brand	Stage-1-Requirements				Stage-1-Result	Stage-2-Requirements					Stage-2-Result	Remarks (If Any)	
		OEM-Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
	<b>21</b>	<b>UV-transilluminator + spare tubes</b>												
1	M/s S.U Enterprises	ECX-20 VILBER-FRANCE	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limited	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Not Quoted												
6	M/s The World Wide Scientific	Dual LED Blue/White Light Transilluminator Cat# LB0100 M/s Thermo Fisher Scientific	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Not Quoted												
9	M/S H.A Shah & Sons	LB-0100	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
10	CAPRI Medicals	BK-UA2	Yes	Yes	Yes	No	Fail	Yes	No	Yes	Yes	Yes	Non Responsive	
11	Pakistan Hospital and Industrial laboratory Co.	Not Quoted												
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	Not Quoted												
	<b>22</b>	<b>Gel doc + Thermal Printer</b>												
1	M/s S.U Enterprises	Fusion FX6 VILBER-FRANCE	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limited	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Not Quoted												
6	M/s The World Wide Scientific	iBright™ FL1500 Imaging System Cat# A44241 M/s Invitrogen™, Thermo Fisher Scientific	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	

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		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Model GBOX Chemi XRQ, Syngene, Made in England.	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
9	M/S H.A Shah & Sons	A44241	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
10	CAPRI Medicals	Not Quoted												
11	Pakistan Hospital and Industrial labortory Co.	A44114	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	Not Quoted												
<b>23</b>		<b>Precision Balance with 10mg intervals</b>												
1	M/s S.U Enterprises	SKX2202-OHAUS-USA	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Lintied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Model BP-2102-2C	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidivit was not provided
6	M/s The World Wide Scintific	Not Quoted												
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Model BL-2200H, Shimadzu, Japan	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
9	M/S H.A Shah & Sons	Not Quoted												
10	CAPRI Medicals	BP12002	Yes	Yes	Yes	No	Fail	Yes	No	Yes	Yes	Yes	Non Responsive	
11	Pakistan Hospital and Industrial labortory Co.	Not Quoted												
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	DLAB, USA (Origin china) Modle: FH-2000 GRAM SCALES, SPAIN Europe	No	Yes	Yes	Yes	Pass	Yes	Yes	Yes	No	Yes	Non Responsive	3rd Party/Sub-Authorisation not Acceptable. Authorisation required from OEM



SR# / Firm Name	Firm Specifications/ Model/ Brand	Stage-1-Requirements				Stage-1-Result	Stage-2-Requirements					Stage-2-Result	Remarks (If Any)	
		'OEM'-Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
<b>24</b>	<b>Desktop pH meter</b>													
1	M/s S.U Enterprises	a-AB41PH-F OHAUS-USA	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limited	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Not Quoted												
6	M/s The World Wide Scientific	Orion Star™ A211 Benchtop pH Meter Cat# STARA2110 M/s Thermo Fisher Scientific	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Model Inolab PH 7110/Set WTW Made in Germany.	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
9	M/S H.A Shah & Sons	Not Quoted												
10	CAPRI Medicals	PH-920	Yes	Yes	Yes	No	Fail	Yes	No	Yes	Yes	Yes	Non Responsive	
11	Pakistan Hospital and Industrial laboratory Co.	STARA1110	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	DLAB, USA (Origin china) Modle: hi2002 hanna Instrument, Europe	No	Yes	Yes	Yes	Pass	Yes	Yes	Yes	No	Yes	Non Responsive	3rd Party/Sub-Authorisation not Acceptable. Authorisation required from OEM
<b>25</b>	<b>Hot plate/Magnet Stirrer</b>													
1	M/s S.U Enterprises	e-G51HS07C OHAUS-USA	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limited	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Model HPS-380-4	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidivit was not provided
6	M/s The World Wide Scientific	RT2 Basic Hotplate Stirrer Cat# 88880003 M/s Thermo Fisher Scientific	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	



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		OEM-Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
	<b>27</b>	<b>Sonicator with standard probes, a four horn one and a cup horn for 1.5, 15 and 50 ml tubes.</b>												
1	M/s S.U Enterprises	VCX-500 Sonics-USA	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Not Quoted												
6	M/s The World Wide Scintific	Not Quoted												
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Model VCX 500, Sonics, Made in USA	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
9	M/S H.A Shah & Sons	Not Quoted												
10	CAPRI Medicals	Not Quoted												
11	Pakistan Hospital and Industrial labortory Co.	Q500-110	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	Not Quoted												
	<b>28</b>	<b>Centrifuge (Preparative) + rotors</b>												
1	M/s S.U Enterprises	Universal- 32 0R Hettich Germany	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	CFGR-23J	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidivit was not provided
6	M/s The World Wide Scintific	SL1 Plus Centrifuge Series Cat# 75009630 M/s Thermo Fisher Scientific	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
7	M/S Scintific Technical Cooperation.	Model: K241R Centurion Scientific Ltd Co. UK.	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	



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		OEM- Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
<b>30</b>	<b>Orbital shakers</b>													
1	M/s S.U Enterprises	ZWYR-D1401 Labwit-Australia	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Not Quoted												
6	M/s The World Wide Scintific	Not Quoted												
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Model I3000 Irmeco, Germany.	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
9	M/S H.A Shah & Sons	M1282-0002	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
10	CAPRI Medicals	SK-D3309-Pro	Yes	Yes	Yes	No	Fail	Yes	No	Yes	Yes	Yes	Non Responsive	
11	Pakistan Hospital and Industrial labortory Co.	SHKE3000-1CE	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	Not Quoted												
<b>31</b>	<b>Orbital Shaker/Rocker</b>													
1	M/s S.U Enterprises	Not Quoted												
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Not Quoted												
6	M/s The World Wide Scintific	Digital Rockers Cat# 88882002 M/s Thermo Fisher Scientific	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Model DUOMAX 1030, Heidolph Made in Germany.	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	



SR# / Firm Name	Firm Specifications/ Model/ Brand	Stage-1-Requirements				Stage-1-Result	Stage-2-Requirements					Stage-2-Result	Remarks (If Any)	
		'OEM-Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
<b>33</b>	<b>Refrigerator (4C only; pharma)</b>													
1	M/s S.U Enterprises	CHL 6 CS Smart Poleko-Poland (Europe)	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Not Quoted												
6	M/s The World Wide Scintific	Not Quoted												
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Model LPR-400-PE PHCBI (New Name of Panasonic) Japan	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
9	M/S H.A Shah & Sons	Not Quoted												
10	CAPRI Medicals	Not Quoted												
11	Pakistan Hospital and Industrial labortory Co.	Not Quoted												
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	Not Quoted												
<b>34</b>	<b>Light Microscope</b>													
1	M/s S.U Enterprises	Not Quoted												
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Not Quoted												
6	M/s The World Wide Scintific	Not Quoted												
7	M/S Scintific Technical Cooperation.	Phase Contrast Microscope Model: LX400 Part No: 9126006 Labomed America Inc. USA.	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	





SR# / Firm Name	Firm Specifications/ Model/ Brand	Stage-1-Requirements				Stage-1-Result	Stage-2-Requirements					Stage-2-Result	Remarks (If Any)	
		'OEM-Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
<b>36</b>		<b>HPLC with columns, resins, peristaltic pump and gradient maker</b>												
1	M/s S.U Enterprises	ChroZen HPLC System Youngs In Chromass-Korea	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	ARC HPLC with Accessrios	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	Not Quoted												
6	M/s The World Wide Scintific	Not Quoted												
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Not Quoted												
9	M/S H.A Shah & Sons	G7104C	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	
10	CAPRI Medicals	Not Quoted												
11	Pakistan Hospital and Industrial labortory Co.	Not Quoted												
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	Not Quoted												
<b>37</b>		<b>Autoclave</b>												
1	M/s S.U Enterprises	RTA-85 Robus	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	
2	M/s Kamstec International	Not Quoted												
3	M/s AURSOFT Private Limtied	Not Quoted												
4	M/s R-WISH Private Limited	Not Mentioned	No	Yes	Yes	Yes	Fail	Yes	No	No	No	Yes	Non Responsive	
5	M/s Delta Plus Pvt Ltd	STB-B23Z	Yes	Yes	Yes	No	Fail	Yes	Yes	Yes	Yes	Yes	Non Responsive	Orginal affidivit was not provided
6	M/s The World Wide Scintific	Not Quoted												
7	M/S Scintific Technical Cooperation.	Not Quoted												
8	M/S Rays Technologies	Model HG-50, Hirayama Manufacturing Made in Japan.	Yes	Yes	Yes	Yes	Pass	Yes	Yes	Yes	Yes	Yes	Responsive	

SR# / Firm Name	Firm Specifications/ Model/ Brand	Stage-1-Requirements				Stage-1-Result	Stage-2-Requirements					Stage-2-Result	Remarks (If Any)	
		OEM-Manufacturer Authorisation Letter	Proof of Active Tax Payer	Affidavit on stamp paper of non-Black listing	Affidavit on stamp Paper of 2% Bid Security		Minimum one engineer and one sales representative	Bank certificate of good financial standing	Audited financial statements for the previous three years	OEM Training, Installation and Commissioning Certificate	Proof of supply of Lab Equipment's (03 POs/ Completion certificate in last 03 years)			
		Stage-1 (Mandatory)				Pass/Fail	Stage-2 (Mandatory)					Responsive/Non-Responsive		
9	M/S H.A Shah & Sons	Not Quoted												
10	CAPRI Medicals	BKMZB	Yes	Yes	Yes	No	Fail	Yes	No	Yes	Yes	Yes	Non Responsive	
11	Pakistan Hospital and Industrial labortory Co.	Not Quoted												
12	Meditron	Not Quoted												
13	M/s Metro Scientific Supplies Company	DLAB,USA (Origin china) Modle: LS-B35L China	No	Yes	Yes	Yes	Pass	Yes	Yes	Yes	No	Yes	Non Responsive	3rd Party/Sub-Authorisation not Acceptable.Authorisation required from OEM

# Technical Evaluation of Bioengineering Lab Equipments (U-EAS Swat)

## Stage -3

Name of Items	General Specifications	Quantity	S. U. Enterprises	Kamstec International	AURSOFT	R-Wish Private Ltd	Delta Plus	The world wide scientific	SCIENTIFIC TECHNICAL CORPORATION (Pvt.) Ltd.	Rays Technologies	H.A Shah & Sons	Capri Medicals	PHILCO	Meditron Trading Corporation	Metro Scientific Supplies Company	Remarks
<b>Vortex</b>	Speed Range 200 to 3000 rpm Electrical Requirements 100/240 V Voltage 230 V Hertz 50/60 Hz Platform Material Rubber, Plastic Certifications/Compliance cCSAus, CE, Certificate of Analysis (COA), Certificate of Analysis (COA) For Use With (Equipment) Rocker, Rotator, mixer Operating Modes Touch, Continuous Timer Range 1 to 99 min., Continuous	5	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	Digital Vortex Mixers Cat# 88882010 M/s Thermo Fisher Scientific	Not quoted	Model ZK3, Velp Made in Italy.	Not quoted	Not quoted	Non Responsive	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Non Responsive
<b>Microspin</b>	Rotor capacity: 12 x 1.5/2.0 mL vessels, 2 x 8-tube PCR strips Max. speed: 12,100 x g (13,400 rpm) Extremely compact footprint User-friendly digital display for time and speed Metal rotor bowl Separate short-spin key for fast and comfortable centrifugation Optimal ventilation flow reduces heating and protects temperature-sensitive samples Soft-touch lid closure for ergonomic lid locking Automatic lid opening at the end of the run to prevent sample warming and to allow easy access to samples	5	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	mySPIN™ 12 Mini Centrifuge Cat# 75004081 M/s Thermo Fisher Scientific	Micro Prime Centrifuge Model: C1015 Centurion Scientific Ltd Co. UK.	Model Z207M, Hermle Made in Germany.	5452727007 Rotor F-55-16-5-PCR, incl. rotor lid	Non Responsive	Non Responsive	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Specs are below requirement. Scientific Tech Co.: MicroPrime disqualifies because it does not have pcr strips in rotor. Rays: No ventilation/heat reduction for protecting time-sensitive samples H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Non Responsive
<b>Refrigerated Centrifuge</b>	Max. RCF 21,300 x g Display large, brightly lit LCD Speed 100 – 15,060 rpm Max. capacity 10 x 5.0 mL Rotors available 6 Acceleration time 15 s Deceleration time 15 s Timer 10 s to 9:59 h, with continuous run function SOFT brake function yes Noise level < 54 dB(A) Temperature control range -10 °C to +40 °C	14	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	MicroCL 21R Microcentrifuge Cat# 75002470 M/s Thermo Fisher Scientific	Model: K2015R CENTURION SCIENTIFIC LTD., UK.	Model Z216MK, Hermle Made in Germany.	5406000313 5495505008 5495508007 5495512004 5495510001 5495500006 5495503005	Non Responsive	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Max speed is below our specs. Scientific Tech Co.: Speed is below our specs. Rays: Speed range not according to our requirement. H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
<b>Micropipettors</b>	Mechanical air-cushion pipette for accurate, easy & ergonomic pipetting of aqueous solutions. Benefit from one of the lowest operating and tip ejection forces on the pipette market, helping to reduce hand and arm strain. Temporarily adjust pipette in seconds for better accuracy when pipetting challenging liquids like ethanol or when pipetting at high altitudes. Return to factory adjustment without calibration. Autoclave the entire pipette or only the lower part according to needs and applications to ensure a proper decontamination. Premium material ensures a high UV and chemical resistance Ranges: 0.1 – 2.5 µL 0.5 – 10 µL 2–20µL	50	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	Autoclavable Digital Micro Pipette M/s NICHIRYO	Not quoted	Model P2G, Gilson Made in France. 3123000020 Model P10G, Gilson Made in France. 3123000039 3123000047 Model P20G, Gilson Made in France. 3123000063 Model P100G, Gilson Made in France. 3123000101 Model P200G, Gilson Made in France. Model P1000G, Gilson Made in France.	3123000012 3123000020 3123000039 3123000047 3123000063 3123000101	Not quoted	Non Responsive	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Did not meet the minimum specifications. Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Qualified CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Non Responsive

<b>Automatic pipettor for serological pipettors</b>	<p>Amperage 0.2A  Battery Type Lithium-Ion  Electrical Requirements 100 to 240V 50/60Hz  Filter Type 0.45 Micron Standard  For Use With (Equipment) All major brands of glass or plastic serological pipets, 1 to 100mL  Frequency 50/60 Hz</p> <p>universal charger, table stand, wall-mounted holder, 1mL pipet support, instruction manual and warranty card Recharge Time 3 hours</p> <p>Voltage 100 to 240 V  Warranty.  Dispensing Speed 8</p> <p>For Use With Graduated and Volumetric Glass Serological Pipette, Graduated and Volumetric Plastic Serological Pipette. Volume (Metric) 1 to 100 mL</p>	2	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	S1 Pipet Fillers Cat# 9541 M/s Thermo Fisher Scientific	Not quoted	Complete, Model, Macroman, Gilson, Made in France.	443000018	Not quoted	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Not quoted  Kamstec: Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Non Responsive  World Wide: Qualified  Scientific Tech Co.: Not quoted  Rays: Qualified  H.A Shah: Qualified  CAPRI: Not quoted  PHILCO: Non Responsive  Meditron: Not quoted  Metro: Not quoted</p>
<b>Waterbath</b>	<p>Capacity (English) 5.0 gal.  Controller Type Digital  Description 19L Circulating Water Bath  Display Monochrome LCD  Heating Capacity 1200 w  Material 304 Stainless Steel  Temperature Presets 4  Temperature Stability ±0.1°C  Temperature Uniformity±0.05°C  Capacity (Metric) 19 L  Communications Digital  Electrical Requirements Global Voltage 100/115 V 200/230  Temperature Range Ambient +5° to 100°C</p>	9	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	Precision™ Circulating Water Baths Cat# TSCIR19 M/s Thermo Fisher Scientific	Not quoted	Model Alpha A24 Lauda-Germany	Not quoted	Non Responsive	Non Responsive	Non Responsive	Non Responsive	<p>S.U Entr: Non Responsive  Kamstec: Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Non Responsive  World Wide: Qualified  Scientific Tech Co.: Not quoted  Rays: does not match Temperature Stability ±0.1°C  Temperature Uniformity±0.05°C  H.A Shah: Not quoted  CAPRI: Non Responsive.  PHILCO: Non Responsive  Meditron: Non-Responsive  Metro: Non Responsive</p>
<b>Fridge (small room size)</b>	<p>Cooling method: Direct Cool  Color: White Metal  Temperature 4° C  Gross capacity Ltr: 126  Ref Capacity Ltr.: 104  Freezer Capacity Ltr.: 22  Type: Single Door  Voltage Range: 180-240V/50Hz  Compressor: Regular</p>	5	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	<p>S.U Entr: Not quoted  Kamstec: Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Non Responsive  World Wide: Not quoted  Scientific Tech Co.: Not quoted  Rays: Not quoted  H.A Shah: Not quoted  CAPRI: Not quoted  PHILCO: Not quoted  Meditron: Not quoted  Metro: Not quoted</p>
<b>Nanodrop</b>	<p>Accuracy (Photometric) 3% (at 0.97 A)  Compatibility, DYMO LabelWriter 450 printer, Bluetooth keyboard, mouse and barcode reader  Connections, Three USB-A ports and Ethernet enabled  Detector Type, 2048-element CMOS linear image sensor  Display, 7-inch, 1280 x 800 high-definition color display  Operating System, Android™  Photometric Accuracy Instrument 3% at 0.97 A, 302 nm  (Absorbance expressed at Abs/mm at 25°C)  System Requirements Windows™ 8.1 and 10, 64 bit  Wavelength Accuracy ±1 nm  Wavelength Range 190–850 nm  Applications Nucleic Acid A260, A260/A280, A260/A230 and Labeled Nucleic Acids;Protein A280 and A205, Protein Pierce 660, Protein Bradford, Protein BCA, Protein Lowry</p>	3	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	NANODROP™ ONEC UV-VIS Spectrophotometer Model: ND-ONEC M/s Thermo Fisher Scientific	Model: DS-11 + DeNovix Inc., USA.	Not quoted	A51119600DPC	Not quoted	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Non Responsive  Kamstec: Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Non Responsive  World Wide: Qualified  Scientific Tech Co.: Wavelength range is below our specs. (Not Qualified)  Rays: Not quoted  H.A Shah: Qualified  CAPRI: Not quoted  PHILCO: Non Responsive  Meditron: Not quoted  Metro: Not quoted</p>

Qubit	<p>Sample throughput 1 sample in 3 seconds  User interface 5.7 in. color touchscreen  Onboard calculators Reagent calculator  System check Qubit 4 System Verification Assay Kit  Fluorometer mode Yes  Programmable open format Yes—  Sample data storage 1,000 samples  Data export Wi-Fi  USB drive  Direct to computer via USB or Ethernet cable  Light sources Blue LED (peak ~470 nm),  Red LED (peak ~635 nm)  Excitation filters Blue LED (430–495 nm),  Red LED (600–645 nm)  Emission filters Green (510–580 nm),  Red (665–720 nm)</p>	4	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	Qubit™ 4 Quantitation Starter Kit, with WiFi Cat# Q33239 M/s Invitrogen™, Thermo Fisher Scientific	Model: QFX DeNovix Inc., USA.	Not quoted	A51292	Not quoted	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Not quoted  Kamtec: Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Non Responsive  World Wide: Qualified  Scientific Tech Co.: Specification are below requirement. Onboard calculators Reagent calculator. so could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage.  Rays: Not quoted  H.A Shah: Qualified  CAPRI: Not quoted  PHILCO: Non Responsive  Meditron: Not quoted  Metro: Not quoted</p>
Real time - PCR	<p>Sample capacity (wells) 96  Reaction volume 0.2mL block: 10–100 µL  96-well:0.2 mL block: 10–100 µL  Excitation source Bright white LED  Optical detection 96 wells: 6 decoupled filters  Excitation/detection range 96 wells: 450–680 nm/500–730 nm  Multiplexing 96-well: up to 6 targets  2D barcode reading Optional  Heating/cooling method Peltier Peltier  Temperature zone function 96 wells: 6 VeriFlex zones  Max block ramp rate 6.5°C/sec  Average sample ramp rate 3.66°C/sec  Temperature uniformity 0.4°C  Temperature accuracy 0.25°C  Run time &lt;30-minute runs  Dye compatibility (name) FAM/SYBR Green, VIC/JOE/HEX/TET, ABY/  NED/TAMRA/Cy3, JUN, ROX/Texas Red, MUSTANG  PI/BBP/F</p>	2	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	DTprime Real-Time PCR Model: DTprime 5M1 M/s DNA-Technology	Not quoted	Not quoted	A28569	Not quoted	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Not quoted  Kamtec: Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Non Responsive  World Wide: The demanded specifications required 6 channels and the offered are 5 channels, so could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage.  Scientific Tech Co.: Not quoted  Rays: Not quoted  H.A Shah: Qualified  CAPRI: Not quoted  PHILCO: Non Responsive  Meditron: Not quoted  Metro: Not quoted</p>
Thermocycler basic	<p>Block format 96-well, 0.2 mL  Features  • Enabled to run Fast chemistry  • Controllable ramp rate  • Program overwrite protection  • Auto restart (after power outages)  • Edit program during experiment  • One-touch incubation  Max block ramp rate 4°C/sec  Max sample ramp rate3°C/sec  Temperature accuracy ±0.25°C (35–99.9°C)  Temperature range 0–100.0°C  Temperature uniformity &lt;0.5°C (30 sec after reaching 95°C)  PCR volume range 10–100 µL  Instrument memory USB and 2,000 MB onboard memory; onboard capacity &gt;1,000 protocols  Display interface 8-inch color TFT LCD  Blocks 3 temperature zones, 20°C range (10°C zone-to-zone)  Data connectivity Cloud or mobile via Ethernet or WiFi</p>	4	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	MiniAmp™ Plus Thermal Cycler M/s Applied Biosystems Thermo Fisher Scientific	Not quoted	Not quoted	A24811	Non Responsive	Not quoted	Not quoted	Not quoted	<p>S.U Entr: Non Responsive  Kamtec: Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Non Responsive  World Wide: Qualified  Scientific Tech Co.: Not quoted  Rays: Not quoted  H.A Shah: Qualified  CAPRI: Non Responsive  PHILCO: Not quoted  Meditron: Not quoted  Metro: Not quoted</p>

<b>DNA Sequencer</b>	<p>Read length Nanopores read the length of DNA or RNA presented to them — from short to ultra-long (longest &gt;4 Mb)</p> <p>Dimensions Compact benchtop device with integrated compute suitable for any lab Size: W 370 mm, H 220 mm, D 365 mm Weight: 11 kg 250 Gb yield* Up to 50 Gb per MiniON Flow Cell / 2.8 Gb per Flongle Flow Cell* * Theoretical max output when system is run for 72 hours (or 16 hours for Flongle) at 420 bases / second. Outputs may vary according to library type, run conditions, etc. Suitable applications Larger genomes or projects Whole transcriptomes (direct RNA or cDNA) Large numbers of samples DNA Sequencer *With accessories and reagents</p>	1	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	Not quoted	<p>S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted</p>
<b>DNA Sequencer (Mini)</b>	<p>Read length Nanopores read the length of DNA or RNA presented to them — from short to ultra-long (longest &gt;4 Mb)</p> <p>Dimensions Size: W 105 mm, H 23 mm, D 33 mm Weight: 87 g Suitable applications include</p> <p>Whole genomes/exomes Metagenomics</p> <p>Targeted sequencing Whole transcriptome (cDNA) Smaller transcriptomes (direct RNA) Multiplexing for smaller samples High yields Up to 50 Gb per MiniON Flow Cell / 2.8 Gb per Flongle Flow Cell* * Theoretical max output when system is run for 72 hours (or 16 hours)</p>	2	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted</p>
<b>Shaking Waterbath</b>	<p>Chamber Material 304 Stainless Steel Controller Type Digital Description 27L Shaking Water Bath Display Monochrome LCD Heating Capacity 1500 w Material Epoxy Powder-coated Cold Rolled Steel Temperature Presets 4 Temperature Stability ±0.1°C Temperature Uniformity ±0.05°C Capacity (Metric) 27 L Electrical Requirements Global Voltage 100/115 V 200/230 V 50/60 Hz Temperature Range Ambient +5° to 100°C</p>	1	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	Precision™ Shaking Water Baths Cat# TSSWB27 M/s Thermo Fisher Scientific	Model WNB29, Memmert Made in Germany.	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	Not quoted	<p>S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Non-Responsive Metro: Not quoted</p>
<b>Powersupply</b>	<p>Frequency 50/60 Hz Max. Current 2000 mA Max. Voltage 200 V Timer 0 to 99 hr. 59 min. Current High Current Display Voltage or current No. of Jacks 4 Voltage 230 V Width (English) 10.75 in. Width (Metric) 27 cm</p>	6	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	EV3xxx Series Maxi Electrophoresis Power Supply Cat# EV3020 M/s Cleaver Scientific	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted</p>

<b>Gel apparatus (mini)</b>	Economical enough for every researcher to have one at their workstation Leak-proof casting that allows a gel to be cast and run in the same chamber with no tape or additional parts required Offers a wide range of combs Two comb slots on gel tray double sample capacity by doubling number of sample wells UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands Sample Range: 5-34	10	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	multiSUB Mini, Mini Horizontal Electrophoresis System Model: MSMINI7 M/s Cleaver Scientific	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
<b>Gel apparatus (midi)</b>	Leak-proof casting allows a gel to be cast and run in the same chamber with no tape or additional parts required. Longer gel length and the 2 comb slots provide the flexibility of running 8 to 48 samples on 1 gel Optional rapid load tray can increase the maximum number of samples to 108 in an 8 or 12 multichannel pipette format. 2 comb slots on the U.V. Transmissible (UVT) gel tray double sample capacity by doubling the number of sample wells UVT gel trays are silk screened with a fluorescent ruler for easy measurement of bands Sample Range: 8-48	4	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	multiSUB Choice, Wide Midi Horizontal Electrophoresis System Model: MSCHOICEST20 M/s Cleaver Scientific	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
<b>SDS-PAGE (minigel)</b>	Quickly and easily casts and runs 1 or 2 gels in the same device Perfect tool for second dimension protocols of 2-D electrophoresis, SDS and agarose gels, and native PAGE electrophoresis Unique agarose plug method makes casting gel simple and quick. Gel assemblies do not have to be moved once set-up. Two individual steps of casting and running in different devices are now combined. Simply secure the glass cassettes, pour the agarose plug in the specially designed trough, cast polyacrylamide solution in the cassettes, load samples, and run the gel. Manufactured using a time-tested acrylic fabrication technology, providing a durable, long-lasting system Central cooling core provides even cooling across the gel surface for	6	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	omniPAGE Mini Vertical Protein Electrophoresis System Model: CVS10DSYS M/s Cleaver Scientific	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
<b>SDS-PAGE (midigel)</b>	Quickly and easily casts and runs 1 or 2 gels in the same device Perfect tool for second dimension protocols of 2-D electrophoresis, SDS and agarose gels, and native PAGE electrophoresis Unique agarose plug method makes casting gel simple and quick. Gel assemblies do not have to be moved once set-up. Two individual steps of casting and running in different devices are now combined. Simply secure the glass cassettes, pour the agarose plug in the specially designed trough, cast polyacrylamide solution in the cassettes, load samples, and run the gel. Manufactured using a time-tested acrylic fabrication technology, providing a durable, long-lasting system Central cooling core provides even cooling across the gel surface for	4	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	omniPAGE WAVE Maxi Vertical Gel Electrophoresis System Cat# VS20WAVESYS M/s Cleaver Scientific	Not quoted	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Not quoted Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted

<b>Electroblotting</b>	<p>Efficient—high transfer efficiency with a broad range of protein sizes compared to conventional semi-dry or wet (tank) transfer methods</p> <ul style="list-style-type: none"> <li>• Fast—5 to 12 minute transfer when used with Blotter Select Transfer Stacks or Power Blotter 1-Step Transfer Buffer</li> <li>• Integrated power supply—seamless operation between control unit and cassette; no need for external power supply</li> <li>• Easy-touch programming—convenient pre-programmed transfer methods or create, save, and run customized transfer methods</li> <li>• Flexible—simultaneous transfer of 1 to 2 mini-size or 1 midi-size gel using the Blotter Cassette</li> <li>• Versatile—compatible with blotter Select Transfer Stacks and Pierce</li> </ul> <p>1-Step Transfer Buffer for rapid blotting programs or Towbin transfer buffer for conventional semi-dry transfer methods</p>	6	Not quoted	Not quoted	Not quoted	Non Responsive	Non Responsive	Power Blotter System Cat# PB0012 M/s Invitrogen, Thermo Fisher Scientific	Not quoted	Not quoted	PB0112	Non Responsive	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Not quoted Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted</p>
<b>UV-transilluminator or + spare tubes</b>	<p>Dual LED Blue/White Light Transilluminator features include:</p> <ul style="list-style-type: none"> <li>• White and blue light sources that allow for visualization of common nucleic acid stains, colorimetric protein and membrane stains, and SYPRO protein stains</li> <li>• Magnetic filter screen with hinge-free design for simplicity and safety, allowing observation and gel-cutting without protective goggles</li> <li>• Five-minute automatic power-off and long-lasting LEDs that are safer for the eyes and skin compared with UV bulb illumination</li> <li>• Three-level adjustable light intensity to achieve the best observational or imaging quality</li> <li>• Compact design for ease of mobility and storage</li> </ul>	4	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Dual LED Blue/White Light Transilluminator Cat# LB0100 M/s Thermo Fisher Scientific	Not quoted	Not quoted	LB-0100	Non Responsive	Not quoted	Not quoted	Not quoted	<p>S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted</p>
<b>Gel doc + thermal printer</b>	<p>Camera Detector Cooled 16-bit CCD; Resolution 9.1 megapixels Lens Fixed, 25 mm, f/0.95 Field of view 22.5 x 18.0 cm (W x D) (image up to 4 mini blots or gels System interface Touchscreen 12.1-inch capacitive LCD display; 1,024 x 768 pixels System hardware Sample drawer and stage: Automatic open/close drawer with automatic rotating sample stage Filter sets: • 12 filters (6 excitation, 6 emission) Illumination sources: • Green LED (490-520 nm) transilluminator • Epi white LED • Epi near-IR LED System software Automated features • Automatic zoom • Automatic focus • Automatic exposure (Smart Exposure) • Automatic on-board image analysis</p>	2	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	iBright™ FL1500 Imaging System Cat# A44241 M/s Invitrogen™, Thermo Fisher Scientific	Not quoted	Model GBOX Chemi XRD, Syngene, Made in England.	A44241 iBright™ FL1500 Imaging System	Not quoted	Non Responsive	Not quoted	Not quoted	<p>S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Qualified Scientific Tech Co.: Not quoted Rays: The demanded specifications required that analysis of 4 mini blots or gels shall be possible in the same device however, the offered model could not meet this and other minimum specifications. Therefore, could not pass the technical evaluation stage. H.A Shah: Qualified CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted</p>
<b>Precision Balance with 10mg intervals</b>	<p>Precision Balance with no shield, latest LED screen, 1200g capacity, 10mg intervals. Sartorius or equivalent.</p>	5	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	Not quoted	Not quoted	Model BL-2200H, Shimadzu, Japan	Not quoted	Non Responsive	Not quoted	Not quoted	Non Responsive	<p>S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Non Responsive PHILCO: Not quoted Meditron: Not quoted Metro: Non Responsive</p>



<b>Desktop pH meter</b>	Record accurate and reliable pH, mV, ORP and temperature measurements with the Benchtop pH Meter. This meter is ideal for a wide range of applications and advanced pH analysis in the lab. Perform up to a 5-point pH calibration, log up to 2000 data point sets with time/date stamp and easily transfer calibration and data logs via USB to a printer or computer with free downloadable software. Use the included electrode stand to easily place sensors in samples and simplify storage to minimize breakage. AC Adapter Universal 50-60 Hz, 100-240 VAC power adapter Accuracy (Temperature) ±0.1°C Accuracy (mV) ±0.2 mV or ±0.05% of reading whichever is greater Accuracy (pH) ±0.002 pH Backlight Option Yes, selectable Calibration pH with calibration editing option, relative mV (RmV), ORP and temperature Calibration Points 1 to 5	8	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	Orion Star™ A211 Benchtop pH Meter Cat# STARA2110 M/s Thermo Fisher Scientific	Not quoted	Model Inolab PH 7110/Set WTW Made in Germany.	Not quoted	Non Responsive	Non Responsive	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Non Responsive
<b>Hot plate/Magnet Stirrer</b>	Temperature control range: From approx. 4°C above room temperature to 99°C, lowest setting volume +1°C Digital Timer: 1 second to 160 hours Speed Range: 60 to 1400 rpm Speed Stability	6	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	RT2 Basic Hotplate Stirrer Cat# 88880003 M/s Thermo Fisher Scientific	Not quoted	Model ARE Velp, Made in Italy.	Not quoted	Non Responsive	Not quoted	Not quoted	Non Responsive	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Qualified Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Non Responsive PHILCO: Non Quoted Meditron: Not quoted Metro: Non Responsive
<b>Dry Shaker/Incubator</b>	Capacity large Programming steps / storable programs 15/4 Temperature range Ambient +5 °C to 80 °C External height (with lid/door open) 113.9 cm (47 in) excluding base Timer 0.1 – 99.9 h, continuous Power supply 230 V, 50 Hz Temperature range Ambient +5 °C to 80 °C Audible and visual alarmsyes Temperature uniformity±0.25 °C at 37 °C Available program modes › Constant speed and temperature › Programmable multi-steps › RS-232 communication port Drive mechanism triple-eccentric counterbalanced drive Gassing manifold yes Platform size (cm/in) 76 × 46 cm (30 × 18 in) Slide-out platform yes Speed range 25 – 400 rpm with 2.5 cm orbit; 25 – 300 rpm with 5.1 cm orbit or 2 stacked units: 25 – 250 rpm with 3	7	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	Not quoted	Not quoted	Not quoted	M1282-0002	Non Responsive	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Not quoted H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
<b>Sonicator with standard probes, a four horn one and a cup horn for 1.5, 15 and 50 ml tubes.</b>	Powerful ultrasonic processor featuring programmable operation and a digital display of operating parameters. Popular applications include nanoparticle dispersion, creating emulsions, cell lysis and homogenization; Power Rating: 500 watts ; Frequency: 20KHz ; Timer:10 hours ; Adjustable Pulse On/Off: 1 second to 1 minute Programmable Set time and amplitude for hands free operation Pulse mode Prevent heat buildup in temperature sensitive samples Digital amplitude / intensity control Output intensity can be set from 20-100% Elapsed time indicator Displays duration of sonication Display of wattage and joules	5	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Model VCX 500, Sonics, Made in USA	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	S.U Entr: Non Responsive Kamstec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Qualified H.A Shah: Not quoted CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted

<b>Centrifuge (Preparative) + rotors</b>	Max. rotor capacity: 48 × 1.5/2.0 mL, 6 × 50 mL, 2 × MTP Max. speed: 30,130 × g (17,500 rpm) Temperature control range -11 °C to 40 °C Remarkable versatility with 12 different rotors Soft-touch one-finger lid closure for ergonomic operation Menu-driven, multi lingual operation menu (English, German, French, Spanish) with large backlit display 5 program keys for easy access to routine programs Saves up to 50 user-defined programs Automatic rotor recognition and imbalance detection for maximized operational safety QuickLock System for quickly opening and closing the rotor lid	5	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	SL1 Plus Centrifuge Series Cat# 75009630 M/s Thermo Fisher Scientific	Model: K241R Centurion Scientific Ltd Co. UK.	Model Z327K, Hermle Made in Germany	542800619 Centrifuge 5430R (refrigerated),	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	S.U Entr: Non Responsive Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Non Responsive World Wide: The offered model does not meet the speed requirements therefore, could not pass the technical evaluation stage. Scientific Tech Co.: The offered model does not meet the Speed and RCF requirements, therefore, could not pass the technical evaluation stage. Rays: The offered model rotor capacity is below that of the demanded specifications, therefore, could not pass the technical evaluation stage. H.A Shah: Qualified CAPRI: Non Responsive PHILCO: Not quoted Meditron: Not quoted Metro: Not quoted
<b>Centrifuge (swing bucket)</b>	Max. RCF 20,913 × g Max. RCF with fixed-angle rotor 20913 × g Max. RCF with swing-bucket rotor 4500 × g Max. RCF with plate rotor 2250 × g Display large, brightly lit LCD Speed 200 – 14,000 rpm (10 rpm steps) Max. capacity 4 × 250 mL/ 2 × 5 MTP Rotors available 12(optional) Volume range 1,000 mL Noise level < 62 dB(A) Refrigerated: -11 – 40C	1	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Model Z366K Hermle Made In Germany.	581100622 Centrifuge 5810 R (refrigerated)	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	S.U Entr: Non Responsive Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Max. Does not have RCF with swing-bucket rotor 4500 × g Max. RCF with plate rotor 2250 × gThe specs provided does not fulfill our basic need hence could not pass the technical evaluation stage. H.A Shah: Qualified CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
<b>Orbital shakers</b>	Capacity large Programming steps / storable programs 15/4 Temperature range Ambient +5 °C to 80 °C External height (with lid/door open) 113.9 cm (47 in) excluding base Timer 0.1 – 99.9 h, continuous Power supply 230 V, 50 Hz Temperature range Ambient +5 °C to 80 °C Audible and visual alarmsyes Temperature uniformity±0.25 °C at 37 °C Available program modes › Constant speed and temperature › Programmable multi-steps Drive mechanism triple-eccentric counterbalanced drive Gassing manifold yes Platform size (cm/in) 76 × 46 cm (30 × 18 in) Slide-out platform yes Speed range 25 – 400 rpm with 2.5 cm orbit; 25 – 300 rpm with 5.1 cm orbit or 2 stacked units; 25 – 250 rpm with 3 stacked units	1	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Model I3000 Irmeco, Germany.	M1282-0002	Non Responsive	Non Responsive	Not quoted	Not quoted	Not quoted	S.U Entr: Non Responsive Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Not quoted Scientific Tech Co.: Not quoted Rays: Temperature range is not according to the specs, therefore, could not pass the technical evaluation stage. H.A Shah: Wrong item quoted. CAPRI: Non Responsive PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted
<b>Orbital Shaker/Rocker</b>	Rocking Angle 1° to 15° Speed Control Accuracy ±1 rpm (≤ 50 rpm), ±2 rpm (>50 rpm) Speed Range 1 to 70 rpm Electrical Requirements 100/240 V Voltage 230 V Hertz 50/60 Hz Amperage 0.1 A Load Bearing Capacity (English) 9.92 lb. Load Bearing Capacity (Metric) 4.5 kg Temperature Control Digital Platform Material Stainless Steel Controller Type LED Model Digital Rocker Plug Type EU, UK, CN Plug Type Digital Rocker Display LED Humidity Range 20 to 85% Includes Dimpled Rubber Mat tray x 1, Rubber strip x 6, User Manual x 1, EU plug x 1, UK plug x 1, CHN plug x 1 Platform Style Tray	1	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Digital Rockers Cat# 88882002 M/s Thermo Fisher Scientific	Not quoted	Model DUOMAX 1030, Heidolph Made in Germany.	M1282-0002	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	S.U Entr: Non quoted Kamtec: Not quoted AURSOFT: Not quoted R-WISH: Non Responsive Delta Plus: Not quoted World Wide: Qualified Scientific Tech Co.: Not quoted Rays: The offered model does not meet the speed range requirements, therefore, could not pass the technical evaluation stage. H.A Shah: Wrong item quoted. CAPRI: Not quoted PHILCO: Non Responsive Meditron: Not quoted Metro: Not quoted

<b>Microwave Oven</b>	Operates just as a domestic microwave oven using time and power level of 1000W power. Outer dimensions = 20 1/2" W x 12 1/8" H x 16" D. Cavity dimensions = 13 7/8" W x 8 1/8" H x 14 5/8" D	1	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	<p>S.U Entr: Not quoted  Kamstec: Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Not quoted  World Wide: Not quoted  Scientific Tech Co.: Not quoted  Rays: Not quoted  H.A Shah: Not quoted  CAPRI: Not quoted  PHILCO: Not quoted  Meditron: Not quoted  Metro: Not quoted</p>
<b>Refrigerator (4C only; pharma)</b>	Pharmacy Refrigerator, Glass door, with lock and key, Upright, Climate Class: N, Cooling Type: Forced air cooling, Defrost Mode: Auto, Refrigerant: CFC-Free, Noise Lever (dB): 43 or better, Temperature Range ( ): 2-8, Capacity(L/Cu.Ft)390/12.7; Controller: Microprocessor, Display: LED, Power Supply(V/Hz): 220-240/50,208-230/60	2	Non Responsive	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	<p>S.U Entr: Non Responsive  Kamstec: Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Not quoted  World Wide: Not quoted  Scientific Tech Co.: Not quoted  Rays: Qualified  H.A Shah: Not quoted  CAPRI: Not quoted  PHILCO: Not quoted  Meditron: Not quoted  Metro: Not quoted</p>
<b>Light microscope</b>	Description Infinity-corrected optical system; RMS-threaded objectives with 45 mm parfocal distance Illumination Adjustable-intensity LED (>50,000-hour life per light cube) Contrast methods Transmitted light (bright field and phase contrast) Objectives 4x, 10x, 20x, 40x, plan LWD, infinity; Optional 2x (no phase) Objective turret 4-position, manual control Condenser 3-position turret for bright field and phase contrast Condenser working distance 60 mm Stages Fixed stage (AMEX1000); Optional mechanical stage (AMEX4712) <ul style="list-style-type: none"> <li>X-Y axis controls and vessel holder framework</li> <li>120 mm x 78 mm range of motion</li> <li>Both knobs 56 mm/rev</li> </ul> Focus mechanism Coaxial focus knobs with tension control: <ul style="list-style-type: none"> <li>Coarse focus: 38 mm/rev</li> </ul>	15	Not quoted	Not quoted	Not quoted	Non Responsive	Not quoted	Not quoted	Phase Contrast Microscope Model: LX400 Part No: 9126006 Labomed America Inc. USA.	Model: CX23LED Trinocular Microscope Olympus EVOS XL CORE, FIXED STAGE EACH (AMEX1000)	Non Responsive	Not quoted	Not quoted	Non Responsive	<p>S.U Entr: Not quoted  Kamstec:Not quoted  AURSOFT: Not quoted  R-WISH: Non Responsive  Delta Plus: Not quoted  World Wide: Not quoted  Scientific Tech Co.: No precision increments - Coarse focus: 38 mm/rev, Fine focus: 0.2 mm/rev, Precision focus 0.002 mm. we required fixed microscope with Condenser 3-position turret for bright field and phase contrast. The quoted item is only phase contrast and could not pass the technical evaluation stage.  Rays: Qualified  H.A Shah: No precision increments - Coarse focus: 38 mm/rev, Fine focus: 0.2 mm/rev, Precision focus 0.002 mm  CAPRI: Non Responsive.  PHILCO: Not quoted  Meditron: Not quoted  Metro: Non Responsive</p>		
<b>Computers</b>	M1 Pro with 10-core CPU, 14-core GPU, 16-core Neural Engine 16GB unified memory 512GB SSD storage 96W USB-C Power Adapter 14-inch Liquid Retina XDR display Three Thunderbolt 4 ports, HDMI port, SDXC card slot, MagSafe 3 port Backlit Magic Keyboard with Touch ID – US	1	Not quoted	Not quoted		Non Responsive	Not quoted	Not quoted	MacBook Pro 14-inch M1 Pro		Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	<p>S.U Entr: Not quoted  Kamstec: Not quoted  AURSOFT: Qualified  R-WISH: Non Responsive  Delta Plus: Not quoted  World Wide: Not quoted  Scientific Tech Co.: Not quoted  Rays: Not quoted  H.A Shah: Not quoted  CAPRI: Not quoted  PHILCO: Not quoted  Meditron: Not quoted  Metro: Not quoted</p>
<b>Computers</b>	Processors: 11th Generation Intel Core i7 Processor Speed: Upto 3.8 GHz, Core count 4, Thread count 8, Cache 8 MB (15W), Operating System: Microsoft Genuine Windows 10 Or higher, Internet Security: Kaspersky Internet Security, Graphics: Intel Iris Plus Graphics, Display: 13.3" FHD (1920 x 1080) Slots: Two SODIMM slots, Memory: 8 GB DDR4, Storage: 512 GB SSD, Warranty: One Year.	9	Not quoted	Not quoted		Non Responsive	Not quoted	Not quoted	HP ENVY x360 Convertible 13m-bd1033dx		Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted	<p>S.U Entr: Not quoted  Kamstec: Not quoted  AURSOFT: Qualified  R-WISH: Non Responsive  Delta Plus: Not quoted  World Wide: Not quoted  Scientific Tech Co.: Not quoted  Rays: Not quoted  H.A Shah: Not quoted  CAPRI: Not quoted  PHILCO: Not quoted  Meditron: Not quoted  Metro: Not quoted</p>

<b>HPLC with columns, resins, peristaltic pump and gradient maker</b>	<p>Auto sampler  Injection range 0.1 – 100 µL in 0.1 µL increments with 100 µL up to 60/80 Mpa  Injection precision &lt;0.25 % RSD of peak areas from 5 µL to 100 µL  Pressure range 0 – 75 Mpa or better  Sample viscosity range 0.2 – 5.0 cP  Carryover &lt;0.004 % (40 ppm) with needle wash  Injection cycle time 18 s for draw speed 200 µL/min, Ejection speed: 200 µL/min, Injection volume: 1 µL  Sample Thermostat 4 – 40 °C  Sample Capacity 96/132 vials 2 ml  Pump  Hydraulic system Dual pistons in series pump with servo-controlled variable stroke design and smooth motion control for active damping  Pump resolution step size 300 pL  Flow range Settable: 0.001 – 5 mL/min  Flow precision &lt; 0.07 % RSD or 0.01 min SD</p>	1	Non Responsive	ARC HPLC with Accessories	Not quoted	Non Responsive	Not quoted	Not quoted	Not quoted	Not quoted	G7104C	Not quoted	Not quoted	Not quoted	Not quoted	<p><b>S.U Entr:</b> Non Responsive  <b>Kamtec:</b> Columns, pressure range, Hydraulic system Dual pistons in series pump are not according to our requirement. (Not Qualified)  <b>AURSOFT:</b> Not quoted  <b>R-WISH:</b> Non Responsive  <b>Delta Plus:</b> Not quoted  <b>World Wide:</b> Not quoted  <b>Scientific Tech Co.:</b> Not quoted  <b>Rays:</b> Not quoted  <b>H.A Shah:</b> Qualified  <b>CAPRI:</b> Not quoted  <b>PHILCO:</b> Not quoted  <b>Meditron:</b> Not quoted  <b>Metro:</b> Not quoted</p>
<b>Autoclave</b>	<p>*Volume Liters : min 20  *Max. press. : 3 bar, 0.18mPa  *Max. Temp.* C :140  *Chamber :Steel enameled  *Cover :Stainless steel  *Outer dim.T x B x H mm : 360 x 390 x 530  *Inner dim. D x H mm : 260x 400  One touch Lid Lock, Interlock system.</p>	3	Non Responsive	Not quoted	Not quoted	Non Responsive	Non Responsive	Not quoted	Not quoted	Model HG-50, Hirayama Manufacturing Made in Japan.	Not quoted	Non Responsive	Not quoted	Not quoted	Non Responsive	<p><b>S.U Entr:</b> Non Responsive  <b>Kamtec:</b> Not quoted  <b>AURSOFT:</b> Not quoted  <b>R-WISH:</b> Non Responsive  <b>Delta Plus:</b> Non Responsive  <b>World Wide:</b> Not quoted  <b>Scientific Tech Co.:</b> Not quoted  <b>Rays:</b> Qualified  <b>H.A Shah:</b> Not quoted  <b>CAPRI:</b> Non Responsive  <b>PHILCO:</b> Not quoted  <b>Meditron:</b> Not quoted  <b>Metro:</b> Non Responsive</p>