Comparative statements and Minutes of the Technical Committee meeting held on 23-11-2020 for technical evaluation of PHRL items 1 The meeting started with recitation from the holy Quran. The chaired welcome the participant and put forth as the desired items (to be evaluated) are complex in nature and are therefore required to gone through the eyes of "Experts". The committee after conclusion unanimously agreed to include the following technically sound expert for evaluations of subject items in the capacity of co-opted members.

1.Dr Momin Khan (Assistant Professor, IBMS)

3.Mr.Habib Wazir (Lab Technologist, IBMS)

2.Dr Mohsin Shah (Associate Professor, IBMS)

4.Mr Noor Rehman (Lab Technologist, IBMS)

S#	Description of	M/S Sahaab	M/S Tahir	M/S Al-Qazi	M/S Pakistan	M/S Rays	M/S Musaji	M/S Sure Bio-	Remarks
	Items	International	Scientific	Marketing	Hospital &	Technologies	Adam	Diagnostics	
					Industrial				
					Laboratory				
1.	Pippettes 1-10,	Pippettes 1-	Pippettes	Pipettes 1-	Micro pipettes 1-10	Pippettes 1-	Option1	Thermo	After discussion of technical committee and evaluation
	Single channel,	10ul,	1-10ul,	10ul	ul Finnpipette F2	10ul,	Pippettes 1-	Scientific	according to eligibility criteria, the following offers were
	adjustable,	Single	Made:	Micropette	Variable Volume,	Pipptte with	10ul,	Finnpipette F3	found responsive:
	ergonomic,	channel,	CNWTC	Plus 121°C	fully Autoclavable,	premium	Cat No.4071	Variable	1.M/S Pakistan Hospital & Industrial Laboratory
	autoclavable, with	adjustable,	China	fully	Warranty: 3 Years	comfort	Corning	Volume Single	2. M/S Rays Technologies
	2 year service	ergonomic,		Autoclavable	with convenient	pipetmang	USA/	Channel	3. M/S Sure Bio-Diagnostics
	warranty /	autoclavable,		Make :Dlab-	online registration.	.offers one of		Pipette :	4. M/S Musaji Adam
	standard	with 2 year		USA	Made:	the lowest	Option 2	(1 - 10 μL),	Since Musaji Adam has quoted multiple items, and since as
	Multinational	service			ThermoScientific	pipetting	Pippettes 1-	Fully	per the bidding document, <i>If firm desires to offer more</i>
	brand	warranty			USA	forces	10ul,	Autoclavable,	than one rate, they should purchase separate bidding
		Make: HCBIO				available in	Dragon	Made: Finland	documents, therefore, only the first option of Ms. Musaji
		life sciences				the market for	China	Warranty: 1	Adam was considered.
		INC, USA				hours of		Year Standard	The co-opted technical expert have recommended the
						comfortable		warranty by	following companies/firms as Non responsive on following
						pipetting.		Manufacuter	grounds.
						Pipetman G		& other 01	1.M/S Sahaab International
						offers		Year Surebio	2.M/S Tahir Scientific
						legendry		locally	3.M/S Al-Qazi Marketing
						accuracy			- not provided 2- year service warranty,
						precision and			

Sajjad Ahmed (Secretary)

Usman Iqbal (Member)

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

		performance		- do not have enough evidence to suggest these as
		with the		standard multinational brands and
		highest		- these have compatibility issues with pipette tips available in
		comfort		market. Since this would lead to inaccurate volume transfers
		measuring		these pipettes have risk of wrong PCR results compromising
		range 1 to		testing accuracy and potentially causing financial losses to th
		10ul accurac	4	laboratory." The committee after deliberation agreed with
		+0.040ul		recommendations of technical expert and declared the offer
		Model P10G		mention firms as Non Responsive
		Made: Gilso	n	
		France		

S#	Description of	M/S Sahaab	M/S Tahir	M/S Al-Qazi	M/S Pakistan	M/S Rays	M/S	M/S Sure Bio-	Remarks
	Items	International	Scientific	Marketing	Hospital &	Technologies	Musaji	Diagnostics	
					Industrial		Adam		
					Laboratory				
2.	Pippettes 10-	Pippettes 10-	Pippettes	Pippettes 10-	Micro pipettes	Pippettes 10-	Option1	Thermo	After discussion of technical committee and evaluation on
	100 µl,	100 μl,	10- 100 μl,	100 µl,	10-100 ul	100 μl,	Pippettes	Scientific	the eligibility criteria, the following offers were found
	Single channel,	Single channel,	Made:	Micropette	Finnpipette F2	Pipptte with	10- 100	Finnpipette F3	responsive:
	adjustable,	adjustable,	CNWTC	Plus 121°C	Variable	premium	μl <i>,</i>	Variable	1.M/S Pakistan Hospital & Industrial Laboratory
	ergonomic,	ergonomic,	China	fully	Volume, fully	comfort	Cat	Volume Single	2. M/S Rays Technologies
	autoclavable,	autoclavable,		Autoclavable	Autoclavable,	pipetmanG	No.4073	Channel	3. M/S Sure Bio-Diagnostics
	with 2 year	with 2 year		Make :Dlab-	Warranty: 3	offers one of the	Corning	Pipette :	4. M/S Musaji Adam
	service	service		USA	Years with	lowest pipetting	USA	(10 - 100 μL),	Since Musaji Adam has quoted multiple items, and since as
	warranty /	warranty			convenient	forces available		Fully	per the bidding document, <i>If firm desires to offer more</i>
	standard	Make: HCBIO			online	on the market	Option 2	Autoclavable,	than one rate, they should purchase separate bidding
	Multinational	life sciences			registration.	for hours of	Pippettes	Made: Finland	documents, therefore, only the first option of Ms. Musaji
	brand	INC, USA			Made:	comfortable	10- 100	Warranty: 1	Adam was considered.
					ThermoScientifi	pipetting.	μl <i>,</i>	Year Standard	The co-opted technical expert have recommended the
					c USA	Pipetman G	Dragon	warranty by	following companies/firms as Non responsive on following
						offers legendry	China	Manufacuter &	grounds.
						accuracy		other 01 Year	1.M/S Sahaab International
						precision and		Surebio locally	2.M/S Tahir Scientific
						performance			3.M/S Al-Qazi Marketing
						with the highest			- not provided 2- year service warranty,
						comfort			

Usman Iqbal (Member)

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of	M/S Sahaab	M/S Tahir	M/S Al-Qazi	M/S Pakistan	M/S Rays	M/S	M/S Sure Bio-	Remarks
	Items	International	Scientific	Marketing	Hospital &	Technologies	Musaji	Diagnostics	
					Industrial		Adam		
					Laboratory				
						measuring range			- do not have enough evidence to suggest these as
						10 to 100ul			standard multinational brands and
						accuracy +0.15ul			- these have compatibility issues with pipette tips available
						Model P100G			in the market. Since this would lead to inaccurate volume
						Made: Gilson			transfers, these pipettes have risk of wrong PCR results
						France			compromising the testing accuracy and potentially causing
									financial losses to the laboratory. The committee after
									deliberation agreed with recommendations of technical
									expert and declared the offer mention firms as Non
									Responsive

S#	Description of	M/S Sahaab	M/S Tahir	M/S Al-	M/S Pakistan	M/S Rays	M/S	M/S Sure Bio-	Remarks
	Items	International	Scientific	Qazi	Hospital &	Technologies	Musaji	Diagnostics	
				Marketing	Industrial		Adam		
					Laboratory				
3.	Pippettes 1-10,	Pippettes 1-	Pippettes	Pipettes 1-	Micro pipettes	Pippettes 1-10ul,	Option1	Thermo	After discussion of technical committee and evaluation
	Single channel,	10ul,	1-10ul,	10ul	1-10 ul	Pipptte with	Pippettes	Scientific	on the eligibility criteria, the following offers were found
	adjustable,	Single channel,	Made:	Micropette	Finnpipette F2	premium comfort	1-10ul,	Finnpipette F3	responsive:
	ergonomic,	adjustable,	CNWTC	Plus 121°C	Variable	pipetmanG .offers	Cat	Variable	1.M/S Pakistan Hospital & Industrial Laboratory
	autoclavable,	ergonomic,	China	fully	Volume, fully	one of the lowest	No.4071	Volume Single	2. M/S Rays Technologies
	with 2 year	autoclavable,		Autoclavabl	Autoclavable,	pipetting forces	Corning	Channel	3. M/S Sure Bio-Diagnostics
	service	with 2 year		е	Warranty: 3	available on the	USA/	Pipette :	4. M/S Musaji Adam
	warranty /	service		Make	Years with	market for hours		(1 - 10 μL),	Since Musaji Adam has quoted multiple items, and since
	standard	warranty		:Dlab-USA	convenient	of comfortable	Option 2	Fully	as per the bidding document, <i>If firm desires to offer</i>
	Multinational	Make: HCBIO			online	pipetting.	Pippettes	Autoclavable,	more than one rate, they should purchase separate
	brand	life sciences			registration.	Pipetman G offers	1-10ul,	Made: Finland	bidding documents, therefore, only the first option of
		INC, USA			Made:Thermo	legendry accuracy	Dragon	Warranty: 1	Ms. Musaji Adam was considered.
					Scientific USA	precision and	China	Year Standard	The co-opted technical expert have recommended the
						performance with		warranty by	following companies/firms as Non responsive on
						the highest		Manufacuter &	following grounds
						comfort measuring			1.M/S Sahaab International

Usman Iqbal (Member)

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of	M/S Sahaab	M/S Tahir	M/S Al-	M/S Pakistan	M/S Rays	M/S	M/S Sure Bio-	Remarks
	Items	International	Scientific	Qazi	Hospital &	Technologies	Musaji	Diagnostics	
				Marketing	Industrial		Adam		
					Laboratory				
						range 1 to 10ul		other 01 Year	2.M/S Tahir Scientific
						accuracy +0.040ul		Surebio locally	3.M/S Al-Qazi Marketing
						Model P10G,			<ul> <li>not provided 2- year service warranty,</li> </ul>
						Made: Gilson			- do not have enough evidence to suggest these as
						France			standard multinational brands and
									- these have compatibility issues with pipette tips
									available in the market. Since this would lead to
									inaccurate volume transfers, these pipettes have risk of
									wrong PCR results compromising the testing accuracy
									and potentially causing financial losses to the laboratory.
									The committee after deliberation agreed with
									recommendations of technical expert and declared the
									offer mention firms as Non Responsive

	Items		M/S Tahir	M/S Al-	M/S Pakistan	M/S Rays	M/S	M/S Sure	Remarks
	items	International	Scientific	Qazi	Hospital &	Technologies	Musaji	Bio-	
				Marketing	Industrial		Adam	Diagnostics	
					Laboratory				
1.	Pipettes 100-	Pipettes 100-	Pipettes	Pipettes	Micro pipettes	Pipettes 100-1000	Option1	Thermo	After discussion of technical committee and evaluation on the eligibility criteria,
	1000 µl,	1000 µl,	100-1000	100-1000	100-1000 ul	μl,	Pipettes	Scientific	the following offers were found responsive:
	Single channel,	Single channel,	μΙ,	μΙ,	Finnpipette F2	Pipptte with	100-1000	Finnpipette	1.M/S Pakistan Hospital & Industrial Laboratory
	adjustable,	adjustable,	Made:	Micropette	Variable	premium comfort	μl <i>,</i>	F3 Variable	2. M/S Rays Technologies
	ergonomic,	ergonomic,	CNWTC	Plus 121°C	Volume, fully	pipetmanG offers	Cat	Volume	3. M/S Sure Bio-Diagnostics
	autoclavable,	autoclavable,	China	fully	Autoclavable,	one of the lowest	No.4075	Single	4. M/S Musaji Adam
	with 2 year	with 2 year		Autoclavabl	Warranty: 3	pipetting forces	Corning	Channel	Since Musaji Adam has quoted multiple items, and since as per the bidding
	service	service		e	Years with	available on the	USA	Pipette :	document, If firm desires to offer more than one rate, they should purchase
	warranty /	warranty Make:		Make	convenient	market for hours of		(100 - 1000	separate bidding documents, therefore, only the first option of Ms. Musaji Adam
	standard	HCBIO life		:Dlab-USA	online	comfortable	Option2	μL), Fully	was considered.
	Multinational	sciences INC,			registration.	pipetting.	Pipettes	Autoclavable,	The following offers were found non-responsive.
	brand	USA			Made:	PipetmanG offers	100-1000	Made:	1.M/S Sahaab International
					ThermoScientifc	legendry accuracy	μl <i>,</i>	Finland	2.M/S Tahir Scientific
					USA	precision and	Dragon	Warranty: 1	3.M/S Al-Qazi Marketing
						performance with	China	Year Standard	The items offered in these offers have
						the highest comfort		warranty by	

Usman Iqbal (Member)

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	м/s Sahaab	M/S Tahir Scientific	M/S Al- Qazi	M/S Pakistan Hospital &	M/S Rays Technologies	M/S Musaji	M/S Sure Bio-	Remarks
	items	International	Scientific	•		rechnologies	•		
				Marketing	Industrial		Adam	Diagnostics	
					Laboratory				
						measuring range		Manufacuter	<ul> <li>not provided 2- year service warranty,</li> </ul>
						100 to 1000ul		& other 01	- do not have enough evidence to suggest these as standard multinational brands
						accuracy +1.5ul		Year Surebio	and
						Model P1000G		locally	- these have compatibility issues with pipette tips available in the market. Since
						Made:Gilson France			this would lead to inaccurate volume transfers, these pipettes have risk of wrong
									PCR results compromising the testing accuracy and potentially causing financial
									losses to the laboratory. The committee, end-user and co-opted members
									unanimously agreed on this decision.

Usman Iqbal (Member)

Muhammad Shahzad (Member)

Dr Yasar Yousafzai (co-opted Member)

Dr Momin Khan (co-opted Member) Dr Mohsin Shah (Co

Dr Mohsin Shah (Co-opted Member) No

Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of	M/S Al-	M/S Pakistan	M/S Rays	M/S	M/S Sure Bio-	Remarks
	Items	Qazi	Hospital &	Technologies	Musaji	Diagnostics	
		Marketing	Industrial		Adam		
			Laboratory				
5.	Pipette,	Micro	Pipettes	Pipette,	Pipette,	Thermo	After discussion of technical committee and evaluation on the eligibility criteria, the
	Multichannel	pipettes	multichannel	Multichannel	8channel	Scientific	following offers were found responsive:
	10-100 ul,	10-100 ul	10-100 ul	Pipptte with	20-200 ul,	Finnpipette F2	1.M/S Pakistan Hospital & Industrial Laboratory
	8 -channel,	Finnpipette	Finnpipette F2	premium comfort	Cat	Variable	2. M/S Rays Technologies
	adjustable,	F2 Variable	multichanel,	pipetmanG offers	No.4082	Volume 8	3. M/S Sure Bio-Diagnostics
	ergonomic,	Volume,	fully	one of the lowest	Corning	Channel	4. M/S Musaji Adam
	autoclavable,	fully	Autoclavable,	pipetting	USA	Pipette :	5.M/S Al-Qazi Marketing
	with 2 year	Autoclavabl	Warranty: 3	forceswith		(10 - 100 μL),	Since Musaji Adam has quoted multiple items, and since as per the bidding document, <i>If</i>
	service	е,	Years with	redesigned piston		Fully Made:	firm desires to offer more than one rate, they should purchase separate bidding
	warranty /	Warranty:	convenient	assembly system		Finland	documents, therefore, only the first option of Ms. Musaji Adam was considered.
	standard	3 Years	online	and high quality		Warranty: 1	The following offers were found non-responsive.
	Multinational	with	registration.	pistion grease.		Year Standard	1.M/S Shahab International
	brand	convenient	Made:	Pipetman G		warranty by	2.M/S Tahir Scientific
		online	ThermoScientifc	gurantees hours of		Manufacuter &	The items offered in these offers have
		registration	USA	comfortable		other 01 Year	- not provided 2- year service warranty,
				pipetting .		Surebio locally	- do not have enough evidence to suggest these as standard multinational brands and
		Made:		Made: Gilson			- these have compatibility issues with pipette tips available in the market. Since this would
		ThermoScie		France			lead to inaccurate volume transfers, these pipettes have risk of wrong PCR results
		ntific					compromising the testing accuracy and potentially causing financial losses to the
		USA					laboratory. The committee, end-user and co-opted members unanimously agreed on this
							decision.

Usman Iqbal (Member)

Muhammad Shahzad (Member)

Dr Yasar Yousafzai (co-opted Member)

Dr Momin Khan (co-opted Member) Dr M

Dr Mohsin Shah (Co-opted Member)

Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	M/S Sahaab	M/S Tahir	M/S Sure Bio-	
		International	Scientific	Diagnostics	
6.	Pipette auto-	Pipette auto-	Pipette auto-	Thermo Scientific	After discussion of technical committee and evaluation on the
	dispensing,	dispensing,	dispensing	Finnpipette Novus	eligibility criteria, the following offers were found responsive:
	Single channel multi-dispensing pipetter with volume between 10- 100 ul, rechargeable battery operated, display screen, ergonomic, autoclavable. with 2 year service warranty / standard Multinational	volume between 10-100 ul, rechargeable battery Make: HCBIO life sciences INC, USA	Made: CNWTC China	Single Channel Electronic : (10 - 100 μL),Made: Finland Warranty: 1 Year Standard warranty by Manufacuter & other 01 Year Surebio locally	<ul> <li>1. M/S Sure Bio-Diagnostics</li> <li>The following offers were found non-responsive.</li> <li>1.M/S Sahaab International</li> <li>2.M/S Tahir Scientific</li> <li>The items offered in these offers have</li> <li>not provided 2- year service warranty,</li> <li>do not have enough evidence to suggest these as standard multinational brands and</li> </ul>
	brand				- these have compatibility issues with pipette tips available in the market. Since this would lead to inaccurate volume transfers, these pipettes have risk of wrong PCR results
					compromising the testing accuracy and potentially causing
					financial losses to the laboratory. The committee, end-user and
					co-opted members unanimously agreed on this decision.

Usman Iqbal (Member)

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Dr Momin Khan (co-opted Member) Dr Mo

Dr Mohsin Shah (Co-opted Member)

Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	M/S Sahaab	M/S Molecular	M/S Al-Qazi	M/S Pakistan	
		International	Biology	Marketing	Hospital & Industrial	
					Laboratory	
7.	1-10 μl Pipette	1-10 μl Pipette	Pipette	1-10 μl Pipette	1-10 μl Pipette	After discussion of technical committee and evaluation
	Tips,	Tips,	Tips,	Tips,	Tips,	on the eligibility criteria, the following offers were found
	1-10 μl nuclease free 96 tips/Box.	1-10 μl nuclease free 96	0.1-10 μl	1-10 μl nuclease	0.1-10 µl Filter tips.	responsive:
	Barrier/filter. Starlab or equivalent.	tips/Box. Barrier/filter	Filter tips Cat# PTF-	free 96 tips/Box.	Made: KIRGEN	1. M/S Sahaab International
	Compatible with Standard	Make: HCBIO life	10ul	Filter		2. M/S Molecular Biology
	Multinational Brand	sciences INC, USA	Polypropylene.	Brand: ABD China		3. M/S Al-Qazi Marketing
			Make: MBP Inc.			4. M/S Pakistan Hospital & Industrial Laboratory
8.	20-200 μl pipette tips,	20-200 μl pipette tips,	pipette tips,	20-200 µl pipette	20-200 μl Pipette	After discussion of technical committee and evaluation
	20-200 μl nuclease free 96 tips/Box.	20-200 µl nuclease free	1-200 μl Filter tips	tips,	Tips,	on the eligibility criteria, the following offers were found
	Starlab or equivalent. Compatible	96 tips/Box. Make:	Cat# PTF-200ul	20-200 μl	1-200 μl Filter tips.	responsive:
	with Standard Multinational Brand	HCBIO life sciences INC,	Polypropylene.	nuclease free 96	Made: KIRGEN	1. M/S Shahab International
		USA	Make: MBP Inc.	tips/Box. Filter		2. M/S Molecular Biology
				Brand: ABD China		3. M/S Al-Qazi Marketing
						4. M/S Pakistan Hospital & Industrial Laboratory
9.	100-1000 μl pipette tips,	100-1000 μl pipette	pipette tips,	100-1000 μl	100-1000 μl Pipette	After discussion of technical committee and evaluation
	100-1000 μl pipette tips nuclease	tips,	100-1000 μl pipette	pipette tips,	Tips,	on the eligibility criteria, the following offers were found
	free. Starlab or equivalent.	100-1000 µl pipette tips	tips Filter tips Cat#	100-1000 μl	100-1000 µl Filter	responsive:
	Compatible with Standard Pipettes	nuclease free.	PTF-1000ul	pipette tips	tips.	1. M/S Shahab International
1	tips	Make: HCBIO life	Polypropylene	nuclease free. 96	Made: KIRGEN	2. M/S Molecular Biology
1		sciences INC, USA	Make: MBP Inc.	Tips/Box,		3. M/S Al-Qazi Marketing
1				Filter Brand: ABD		4. M/S Pakistan Hospital & Industrial Laboratory
1				China		

Usman Iqbal (Member)

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	M/S Sahaab International	M/S Tahir Scientific	M/S Molecular Biology	M/S Al-Qazi Marketing	M/S Pakistan Hospital & Industrial Laboratory	Remarks
10.	Eppendorf tubes, 1.5 ml nuclease free, leak proof, easy to use, stable under low temperature and long duration storage. Eppendorf or equivalent	Eppendorf tubes, 1.5 ml nuclease free, leak proof, easy to use, Make: HCBIO life sciences INC, USA	Eppendorf tubes, 1.5 ml 500 pcs pack Made: CNWTC China	Eppendorf tubes, 1.5 ml Safeseal MCT-Cat# MCT015 Make: Polypropylene. Make: MBP Inc.	Eppendorf tubes, 1.5 ml nuclease free,with attached cap, leak proof, easy to use, stable under low temperature and long duration storage. Brand: ABD China	Eppendorf Tubes 1.5 ml. I.5 ml micro centrifuge tubes. Made: KIRGEN	<ul> <li>After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:</li> <li>1. M/S Sahaab International</li> <li>2. M/S Tahir Scientific</li> <li>3. M/S Molecular Biology</li> <li>4. M/S Al-Qazi Marketing</li> <li>5. M/S Pakistan Hospital &amp; Industrial Laboratory</li> </ul>
11.	Eppendorf tubes, 2 ml nuclease free, leak proof, easy to use, stable under low temperature and long duration storage. Eppendorf or equivalent	Eppendorf tubes, 2 ml nuclease free, leak proof, easy to use, Make: HCBIO life sciences INC, USA	Eppendorf tubes, 2 ml 500 pcs pack Made: CNWTC China	Eppendorf tubes, 2 ml Safeseal MCT- Cat# MCT020 Polypropylene. Make: MBP Inc.	Eppendorf tubes, 2 ml nuclease free, leak proof, easy to use, stable under low temperature and long duration storage. Brand: ABD China	Eppendorf Tubes 2.0 ml. 2. ml micro centrifuge tubes. Made: KIRGEN	<ul> <li>After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:</li> <li>1. M/S Sahaab International</li> <li>2. M/S Tahir Scientific</li> <li>3. M/S Molecular Biology</li> <li>4. M/S Al-Qazi Marketing</li> <li>5. M/S Pakistan Hospital &amp; Industrial Laboratory</li> </ul>
12.	Cryovials, 2 ml sterile, nuclease free, leak proof, resistant to cracks under low temperature. Eppendorf or equivalent	Cryovials, 2 ml sterile, nuclease free, leak proof, Make: HCBIO life sciences INC, USA	Cryovials, 2 ml 500 wells pack Made: CNWTC China	Cryovials, 2.0 ml Screwcap Cat#SCT2ML Polypropylene . Make: MBP Inc.	Cryovials, 2 ml sterile, 1.8 Graduation with External Thread Screw Cap "0" ring, nuclease free , leak proof, resistant to cracks under low temperature. Brand: ABD China	Cryovials, 2 ml Made: KIRGEN	After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive: 1. M/S Sahaab International 2. M/S Tahir Scientific 3. M/S Molecular Biology 4. M/S Al-Qazi Marketing 5. M/S Pakistan Hospital & Industrial Laboratory
13.	Cryobox, Plastic boxes with lid with 100 wells suitable for storing	Cryobox, Plastic boxes with lid with 100 wells	Cryobox, Pastic boxes		Cryobox, Plastic boxes with lid with 100 wells suitable	Cryobox,	After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:

Usman Iqbal (Member)

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Habib Wazir (co-opted Member)

S#	Description of Items	M/S Sahaab	M/S Tahir	M/S Molecular	M/S Al-Qazi Marketing	M/S Pakistan	Remarks
		International	Scientific	Biology		Hospital & Industrial	
						Laboratory	
	cryovials or 1.5 ml Eppendorf	suitable for	Made:		for storing cryovials or	Storage Box	1. M/S Sahaab International
	tubes/ Standard Size	storing cryovials	CNWTC		1.5 ml Eppendorf	Autioclavable.	2. M/S Tahir Scientific
		or 1.5 ml	China		tubes/ Standard Size		3. M/S Al-Qazi Marketing
		Eppendorf tubes				Made: SPL Korea	4. M/S Pakistan Hospital & Industrial
		Make: HCBIO life			Make: China		Laboratory
		sciences INC, USA					

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Dr Yasar Yousafzai (co-opted Member)

Dr Momin Khan (co-opted Member) Dr Mohsin Shah (Co-opted Member)

Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	M/S	M/S Molecular Biology	M/S Pakistan	M/S Global	M/S The Biotech	Remarks
		Sahaab		Hospital &	Marketing		
		Internatio		Industrial			
		nal		Laboratory			
14.	Automated RNA Extraction	Automate	Automated DNA/RNA	Automated RNA	Automated RNA	Big Fish	After discussion of technical committee
	Kit,	d RNA	From any MicroBiome Sample.	Extraction Kit,	Extraction Kit,	Automated Rna	and evaluation on the eligibility criteria,
	Automated viral RNA	Extraction	ZYMO Research.	Nucleic acid	(CE/IVD Marked)	Extraction Kit	the following offers were found
	extraction kit compatible	Kit,	Option 1.ZymoBIOMICS RNA	extraction	We will manage	Compatible with	responsive:
	with use on Auto Extractor	Made:	Miniprep kitCat No.R201 50 Preps.	kit(magnetic	workload/day basis	use on BIGFISH	1. M/S Sahaab International
	Hero 32. Must be supplied	Ascend	Option 2.ZymoBIOMICS MegaBead	bead method)	and can be place 32-	Auto Extraction.	2. M/S Pakistan Hospital &
	with all reagents such	Hero 32	RNA Kit kitCat No.R2137 & R2138	compatible with	96 tests throughput	Kit Contains all	Industrial Laboratory
	as lysis buffer, proteinase		1X 96 Preps & 4 X 96 Preps.	Hero 32 auto	multiple systems to	the reagent such	3. M/S Global Marketing
	k, wash buffers and elution		Option 3.ZymoBIOMICS DNA/ RNA	extraction	achieve efficiency	as lysis buffer	The following offers were found non-
	buffer. CE/IVD marked.		Miniprep kitCat No.R2002 50 Preps.	system.	Cat No. 665A46.	protienase K,	responsive.
	Short duration of		option 4.ZymoBIOMICS. 96	Made;	Pack Size:96 Test/Kits.	wash bufferand	1.M/S Molecular Biology
	extraction (approx. 30		MegaBead DNA/RNA Kit .Cat	Luoyang Ascend	Made: Taiwan	elution buffer	2.M/S The Biotech
	min) and long shelf life (1-		No.R2135 & R2136	Biotechnology	Advanced Nanotech	CE/IVD marked	These are not as per the specifications
	year approx.)		1X 96 Preps & 4 X 96 Preps.	Co.CHINA	Inc.Taiwan	HANGZHOU	advertised i.e Not Compatible with use on
						BigFish BVio-Tech	Hero 32 auto extractor. The committee,
						Co. China	end-user and co-opted members
							unanimously agreed on this decision.

Usman Iqbal (Member)

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of	M/S Sahaab	M/S	M/S Pakistan Hospital	M/S Global	M/S The	M/S	Remarks
	Items	International	Molecular	& Industrial	Marketing	Biotech	Medilab	
			Biology	Laboratory				
15.	PCR	PCR	Quick	PCR Amplification Kit,	PCR	PCR-	PCR	After discussion of technical committee and evaluation
	Amplification	Amplification	SARS-CoV-	Made;	Amplificatio	Covid 19	Amplifica	on the eligibility criteria, the following offers were found
	Kit,	Gene Targets	2 rRT-PCR	Jiangsu CoWin	n Kit,	RNA	tion Kit	responsive:
	TaqMan	aare ORF1a	Option 1.	Biotech.China	(CE / IVD	Amplifica	Available	1. M/S Sahaab International
	chemistry,	and RdRp/ N	Cat		Marked, FDA	tion Kits	in 100	2. M/S Molecular Biology
	multiplex real-	Gene	No.95132-		Approved)	(Qualitati	Test, 300	Since M/S Molecular Biology has quoted multiple items,
	time PCR, high	Make: Vela	100.		Cat No.	ve)to be	, 500	and since as per the bidding document, <i>If firm desires to</i>
	primer	Diagnostic	Option 2.		423720	run on	Test	offer more than one rate, they should purchase
	efficiency and	Singapore	Cat		Made:	ABI		separate bidding documents, therefore, only the first
	high sensitivity.		No.95132-		Biomerieux,	7500Det		option was considered.
	CE/IVD		500		France	ection		3. M/S Pakistan Hospital & Industrial Laboratory
	marked,		Option 3.			system		4. M/S Global Marketing
	supplied with		Cat			Singuway		5. M/S The Biotech
	positive and		No.95132-			Biotech		The following offers were found non-responsive.
	negative		02K			Inc.China		1.M/S Medilab
	controls. Must							These are not as per the specifications advertised i.e
	be compatible							Make of the kit not mentioned, country not mentioned
	with real-time							
	PCR equipment							
	ABI07500							

S#	Description of	M/S Sahaab	M/S	M/S Al-Qazi Marketing	M/S Pakistan Hospital &	M/S Medilab	
	Items	International	Molecular		Industrial Laboratory		
			Biology				
16.	PCR Strips	PCR strips	0.2ml	PCR Strips (0.2ml)	PCR Strips (0.2ml)	PCR Strips (0.2ml)	After discussion of technical committee and evaluation on
	(0.2ml)	(0.2ml) caps or	PCR Ultra	PCR strips of 8 tubes	0.2ml 8-strips tubes. With	1000Pcs / Pack,	the eligibility criteria, the following offers were found
	PCR strips of 8	lids; nuclease	strips Cat#	(0.2ml) each, with	clear cap	Made/Brand Not	responsive:
	tubes (0.2ml)	free,	PSTF-0.2ml	separate Optical caps	Made;KIRGEN	Mention	1. M/S Sahaab International
	each, with		Polypropyen	nuclease free, Brand: ABD			2. M/S Molecular Biology
	separate caps		e.	China			3. M/S Al Qazi Marketing
Sajjad Ahmed (Secretary)		Usm	han Iqbal (Member)	Muhammad Shahzad	(Member) D	)r Yasar Yousafzai (co-opted Member)	

Dr Momin Khan (co-opted Member) Dr Mohsin Shah (Co-opted Member)

Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of	M/S Sahaab	M/S	M/S Al-Qazi Marketing	M/S Pakistan Hospital &	M/S Medilab	
	Items	International	Molecular		Industrial Laboratory		
			Biology				
	or lids;	Make: HCBIO	Made: MBP				4. M/S Pakistan Hospital & Industrial Laboratory
	nuclease free,	life sciences	Inc.				The following offers were found non-responsive.
	ambient, or	INC, USA					1.M/S Medilab
	equivalent						These are not as per the specifications advertised i.e Make
							of the kit not mentioned, country not mentioned
17.	PCR Strips	PCR Strips	PCR Ultra	PCR Strips (0.1ml)	PCR Strips (0.1ml)	PCR Strips	After discussion of technical committee and evaluation on
	(0.1ml)	(0.1ml)	Strips	PCR strips of 8 tubes	0.1ml 8 strips tubes with	(0.1ml)1000 Pcs /	the eligibility criteria, the following offers were found
	PCR strips of 8	PCR strips of 8	(0.1ml)	(1.2ml) each, with	clear cap.	Pack, 100 Packs	responsive:
	tubes (0.1ml)	tubes (0.1ml)	Cat# PSTF-	separate Optical caps	Made.KIRGEN		5. M/S Sahaab International
	each, with	each, with	0.2ml	nuclease free, Brand: ABD			6. M/S Molecular Biology
	separate caps	separate	Polypropyen	China			7. M/S Al Qazi Marketing
	or lids;	Make: HCBIO	e.				8. M/S Pakistan Hospital & Industrial Laboratory
	nuclease free,	life sciences	Made.MBP				The following offers were found non-responsive.
	ambient, or	INC, USA	Inc.				1.M/S Medilab
	equivalent						These are not as per the specifications advertised i.e Make
							of the kit not mentioned, make/country not mentioned

Usman Iqbal (Member)

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	M/S Sahaab International	M/S Al-Qazi Marketing	M/S Musaji Adam	
18.	Biohazards Bags, 30-50 Liters, leak proof, high strength, autoclavable, colour coded (red, yellow, black), with biohazard sign printed.	Biohazards Bags, 0-50 Liters, leak proof, high strength, autoclavable, Make: HCBIO life sciences INC, USA	<ul> <li>Biohazards Bags,</li> <li>Option 1.</li> <li>30 Liters, leak proof, high strength, autoclavable, colour coded (red, yellow, black), with biohazard sign printed.</li> <li>Option 2.</li> <li>30 Liters, leak proof, high strength.</li> </ul>	Autoclavable Bags 18*24 (100 Pcs) Local made	After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive: 1. M/S Sahaab International 2. M/S Musa ji Adam 3. M/S Qazi Marketing Since M/S Qazi Marketing has quoted multiple items, and since as per the bidding document, <i>If firm</i> <i>desires to offer more than one</i> <i>rate, they should purchase</i> <i>separate bidding documents,</i> therefore, only the first option was considered.

Usman Iqbal (Member)

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Dr Momin Khan (co-opted Member) Dr Mohs

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	M/S Sahaab Internation al	M/S Tahir Scientific	M/S Al-Qazi Marketing	M/S Pakistan Hospital & Industrial Laboratory	M/S Musaji Adam	Remarks
19.	Sample rack, Plastic, 96 well positions, suitable for Eppendorf tubes/cryovi als, autoclavabl e	Sample rack, Plastic, 96 well positions Make: HCBIO life sciences INC, USA	Sample rack, Made: CNWTC China	Sample rack, Plastic, 96 well positions, suitable for Eppendorf tubes Autoclavable Make China	Sample rack, Microtube Rack Autoclavable 5X 16(80 Holes) capacity Made: SPL Life Sciences.KOREA	Sample rack, Cat No. 616001 Made:Nes t, China	<ul> <li>After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:</li> <li>1. M/S Sahaab International</li> <li>2. M/S Tahir Scientific</li> <li>3. M/S Al Qazi Marketing</li> <li>4. M/S Pakistan Hospital &amp; Industrial Laboratory</li> <li>5. M/S Musaji Adam</li> </ul>

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Noor Rehman (co-opted Member)

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S#	Description of Items	M/S Sahaab Internation al	M/S Tahir Scientific	M/S Molecular Biology	M/S Al- Qazi Marketin g	M/S Pakistan Hospital & Industrial Laboratory	M/S Musaji Adam	
20.	Falcon tube, 15 ml, graduated, crack proof, leak proof	Falcon tube, 15 ml, graduated, crack proof, leak proof Make: HCBIO life sciences INC, USA	Falcon tube, Made: CNWTC China	Falcon tube, 15 ml, Cat# PSTF- 015ml Natural Polypropy ene. Made.MB P Inc.	Falcon tube, 15 ml, graduate d, crack proof, leak proof Make: Nest-USA	Falcon tube, Conical Tubes(15 ml)(racked) Ambion a product of Thermo Fisher USA	Falcon tube, SCT-15 ml, 25-S (500 Pcs) Axygen, USA	<ul> <li>After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:</li> <li>1. M/S Sahaab International</li> <li>2. M/S Tahir Scientific</li> <li>3. M/S Molecular Biology</li> <li>4. M/S Al Qazi Marketing</li> <li>5. M/S Pakistan Hospital &amp; Industrial Laboratory</li> <li>6. M/S Musaji Adam</li> </ul>

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	M/ Sahaab Internation al	M/S Molecular Biology	M/S Al- Qazi Marketin g	M/S Pakistan Hospital & Industrial Laboratory	M/S Musaji Adam	M/S Medil ab	Remarks
21.	PCR Plate, 96-well PCR plates	PCR Plate, 96-well PCR plates Make: HCBIO life sciences INC, USA	PCR Plate, 96-well Skirted Cat# PPL96S-50 Natural Polypropy ene. Made.MB P Inc.	PCR Plate, 96-well PCR plates Make: Extragen e	PCR Plate, Optical 96- well Reaction plates. ABI Product of Thermo Fisher USA.	PCR Plate, Cat No. 701001 100 Pcs, Made:N est, China	PCR Strips( 0.1 ml) 1000 pcs pack	<ul> <li>After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:</li> <li>1. M/S Sahaab International</li> <li>2. M/S Molecular Biology</li> <li>3. M/S Al Qazi Marketing</li> <li>4. M/S Pakistan Hospital &amp; Industrial Laboratory</li> <li>5. M/S Musaji Adam</li> </ul> The following was found not responsive: <ul> <li>1. M/S Medilab</li> <li>Justification: Make, model and country not mentioned.</li> </ul>

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Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

Sł	Description of Items	M/S Molecular Biology	M/S Pakistan Hospital & Industrial Laboratory	M/S Musaji Adam	Remarks
22	<ul> <li>Adhesive</li></ul>	Adhesive Sealing	Adhesive film,	Adhesive film for PCR Plate	<ul> <li>After discussion of technical committee and</li></ul>
	film, <li>Optical</li>	film-ASF-100 Natural	Adhesive PCR Plate seals	PCR-SP	evaluation on the eligibility criteria, the following
	adhesive	Polyester.	Made:Thermo Fisher	100 Films	offers were found responsive: <li>1. M/S Molecular Biology</li> <li>2. M/S Pakistan Hospital &amp; Industrial</li>
	film	Made.MBP Inc.	Scientific USA	Made:Axygen, USA	Laboratory <li>3. M/S Musaji Adam</li>

S#	Description of Items	Remarks
23.	Head Cover, Disposable/ Surgical with good elastic band for firm grip	Not quoted by anyone

S#	Description of Items	M/S Al-Qazi Marketing	Remarks
24.	Dungarees, Disposable, water-resistant, non-woven	Dungarees, White Color, Disposable,	After discussion of technical committee and
	fabric of medium quality, convenient to don and doff.	water-resistant, non-woven fabric of	evaluation on the eligibility criteria, the following
	Three sizes (Small Medium, Large)		offers were found responsive:
Sa	jjad Ahmed (Secretary) Usman Iqbal (Mem	ber) Muhammad Shahzad (Membe	r) Dr Yasar Yousafzai (co-opted Member)

Dr Momin Khan (co-opted Member) Dr Mohsin Shah (Co-opted Member)

Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	M/S Al-Qazi Marketing	Remarks
		medium quality, convenient to don and doff. Three sizes (Small Medium, Large) Made: Pakl	1. M/S Al Qazi Marketing

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Habib Wazir (co-opted Member)

S#	Description of Items	Remarks
25.	Dungarees,	Not quoted by anyone
	Reusable, autoclavable, water resistant, good quality parachute material, with properly fixed zippers	
	Three sizes (Small Medium, Large)	
26.	Gowns/Coverall,	Not quoted by anyone
	Good quality non-woven water-resistant synthetic fabric, long sleeves with elastic wrists	
27.	N95 Mask,	Not quoted by anyone
	8210 Round shape,	
	NIOSH approved N95 rating	
	Adjustable nose clip	
	Nose foam	
	Firmly welded headbands	
28.	Face shields,	Not quoted by anyone
	Reusable, Adjustable size, Cushioning material at forehead side	

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Dr Momin Khan (co-opted Member) Dr Mohsin Shah (Co-opted Member)

er) Noor Rehman (co-opted Member)

Habib Wazir (co-opted Member)

S#	Description of Items	M/S Al-Qazi Marketing	
29.	Goggles, Scratch proof plastic, adjustable arm length,	Goggles, Good quality Pak Made	After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:
			M/S Al Qazi Marketing
30.	Surgical Mask, 3 layers, good quality with firm strips	Surgical Mask, 3 layers, good quality with firm strips	After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:
			M/S Al Qazi Marketing

S#	Description of Items	
31.	Gloves,	Not quoted by anyone
	Powder Free, Long Sleeves, good elasticity, Nitrile, Three sizes (Small Medium, Large)	
32.	Shoe Cover,	Not quoted by anyone
	Disposable, covering up to ankles	

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Habib Wazir (co-opted Member)

S#	Description of Items	M/S Sahaab	M/S Al-Qazi Marketing	M/S Medilab	
		International			
33.	Ethanol / Alcohol Commercial Grade	Ethanol / Alcohol Commercia Grade Make: BDH Germany	Ethanol Commercial Grade	Ethanol	After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:
					<ol> <li>M/S Sahaab International</li> <li>M/S Al Qazi Marketing</li> <li>M/S Medilab</li> </ol>

S#	Description of Items	M/S Tahir Scientific	M/S Al-Qazi Marketing	
34.	Hand Sanitizer	Hand Sanitizer. Fast Acting hand disinfectant. Rinse free and non stickycontain 80% Ethanol	Hand Sanitizer Surgilium Hand Rub 500ml	After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive: <b>1. M/S Tahir Scientific</b>
				2. M/S Al Qazi Marketing

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Habib Wazir (co-opted Member)

S#	Description of Items	M/S Al-Qazi Marketing	Remarks
35.	PAPR (Powered Air Purifying respirators),	PAPR	After discussion of technical committee and
	With rechargeable batteries and visors	Maxair CAPR System	evaluation on the eligibility criteria, the following offers were found responsive:
		Make: MaxAir System USA	1. M/S Al Qazi Marketing

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Habib Wazir (co-opted Member)

S#	Description of Items	M/S Pakistan Hospital & Industrial Laboratory	M/S Musaji Adam	M/S ECO Biosciences	M/S Capri Medicals	M/S Chemical House	
36.	Real Time PCR, 96-well x 0.1 or 0.2ml PCR Tube Capacity, 96 well Plate capacity, Excitation Source: dye specific 8LEDs per optical module, Detection Source: 8 filtered Diodes, Reaction Volume: 10-50ul, Standalone/With PC system, Maximum Optical Module Capacity: 06, Installed Modules (at least 5- color multiplexing): FAM,ROX, HEX, CY5, CY3 and CY5. Detection chemistries: Sybrgreen, Taqman probes, FRET, Molecular beacons, LUX primers, Scorpion probes. 9-order dynamic range. Upgradable with High Resolution Melt Curve (HRM). Experiment type: Quantitative PCR with dye, Allelic discrimination with probe, allelic discrimination with HRM, comparative quantification, User defined assay. Optical module calibration and maintenance. One- time background removal calibration.	AriaMX Real Time PCR, 96-wel block with Five Optical Modules. Open Plate Form for all type of chemistries. Optical Module included: FAM/SYBR,HEX/VIC /JOE,ROX,CY3,CY5 FDA CFR 21 Part11 Compliance with software & System Made: Agilent Technologies USA.	Real Time PCR, QuatStudio (0.1 ml Block) Made: ThermoFisher, UK Brand cat no not mentioned, no proof of authorized dealership. Not according to specs	G8830A Agilent AriaMX Real Time PCR System, Total Confidence qPCR delivering flexibility, precision, and performanc e Made: Agilent Technologie s.origin: Malaysia	Real Time Real PCR, Machine FDQ-96A Make: Biobase China	CFX96 Touch Real Time PCR Detection Modular thermal cycler platform, includes C100 touch thermal cyclic chassis, CFX96 optical reaction module, cables SystemWith precision melt analysis soft ware 02 user licenses data analysis software for all CFX real-time PCR detection systems, 2 HASF HL keys, calliberation Kit Installation CD. Made Bio-Rad Laboratries	After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive:         1.       M/S Pakistan Hospital & Industrial Laboratory         2.       M/S ECO Biosciense         3.       M/S Chemical House         The co-opted technical expert have recommended the following companies/firms as Non responsive on following grounds.         1.       M/S Capri Medicals         The committee after deliberation agreed with recommendations of technical expert and declared the offer mention firms as Non Responsive         Justification:       1.         One LED source as compared to 8 LEDs per optical modules as advertised.         2.       5-Channels provided in the offer but specification document shows machine is 4-channels. The kits

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S#	Description of Items	M/S Pakistan Hospital & Industrial Laboratory	M/S Musaji Adam	M/S ECO Biosciences	M/S Capri Medicals	M/S Chemical House	
							provided by the government are not compatible with this model.

S#	Description of Items	M/S Pakistan Hospital & Industrial Laboratory	M/S Sure Bio-Diagnostics	
37.	Vacuum Manifold with Pump, The micro plate vacuum includes: Spin column adaptor board (24 hole). Luer connector (25/pk), Luer stopper (25/pk), Waste tray	Vacuum Manifold with Pump,Welvac 210 Welva 210 adopts rocker 300 oil free vaccum pump 96 well microplate Micro centrifuge tubes 24 hole.Large volume centrifuge tubes (8 holes) Made;Rocker Scientific Co.TAIWAN	Vacuum Manifold with Pump, The micro plate vacuum includes: Spin column adaptor board (24 hole). Luer connector (25/pk), Luer stopper (25/pk), Waste tray	After discussion of technical committee and evaluation on the eligibility criteria, the following offers were found responsive: 1. M/S Pakistan Hospital & Industrial Laboratory The following offer was found non- responsive: 2. M/S Sure Bio-Diagnostics Justification: Make and country noy mentioned

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