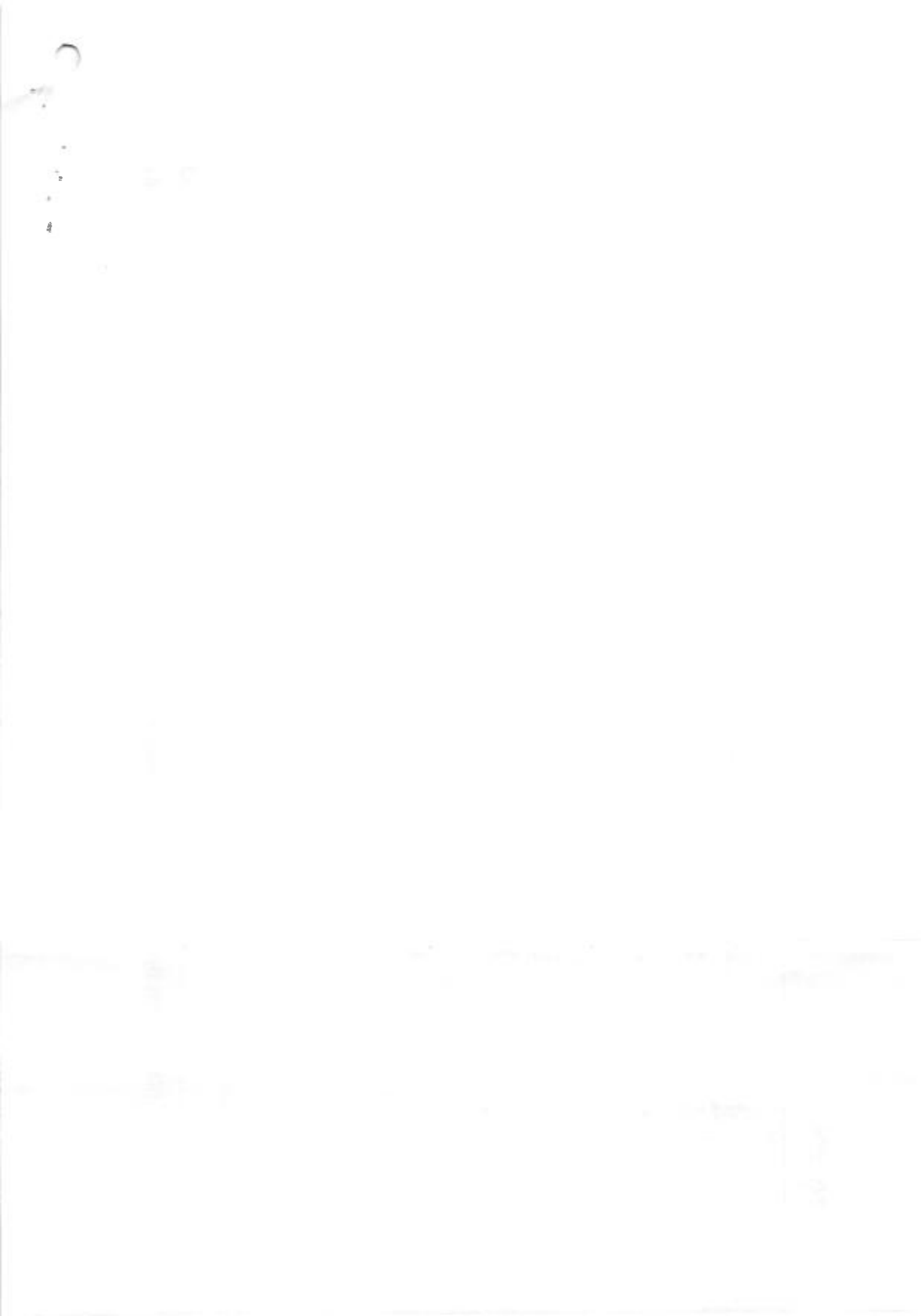


## TECHNICAL EVALUATION REPORT (SUMMARY)

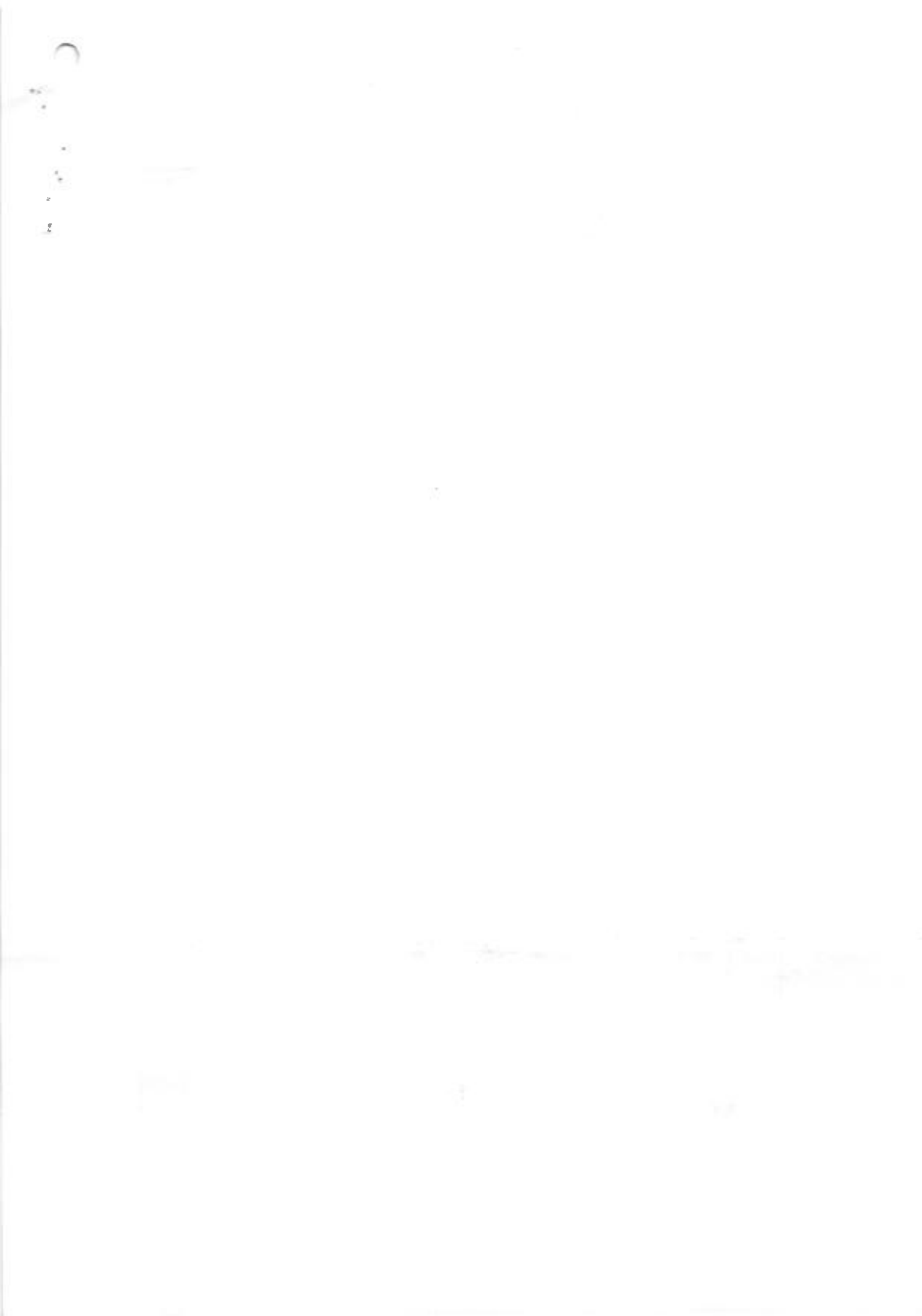
1. Name of Procuring Agency: University of Health Sciences Lahore
2. Method of Procurement: Single Stage two Envelopes
3. Title of Procurement: Procurement of Laboratory Equipment under HEC funded project titled “Strengthening of Academic & Research Facilities (SARF) at Kala Shah Kaku”
4. Tender Inquiry No: UHS/Pur/ /2020
5. Date & Time of Bid Closing: 06-04-2020 at 11:00 AM
6. Date & Time of Bid Opening: 06-04-2020 at 11:30 AM
7. Nos. of Bids Received: 05

**Technical comparative of items for Human Genetics & Molecular Biology Dept. (SARF-KSK, 3<sup>rd</sup> retender for equipment)**

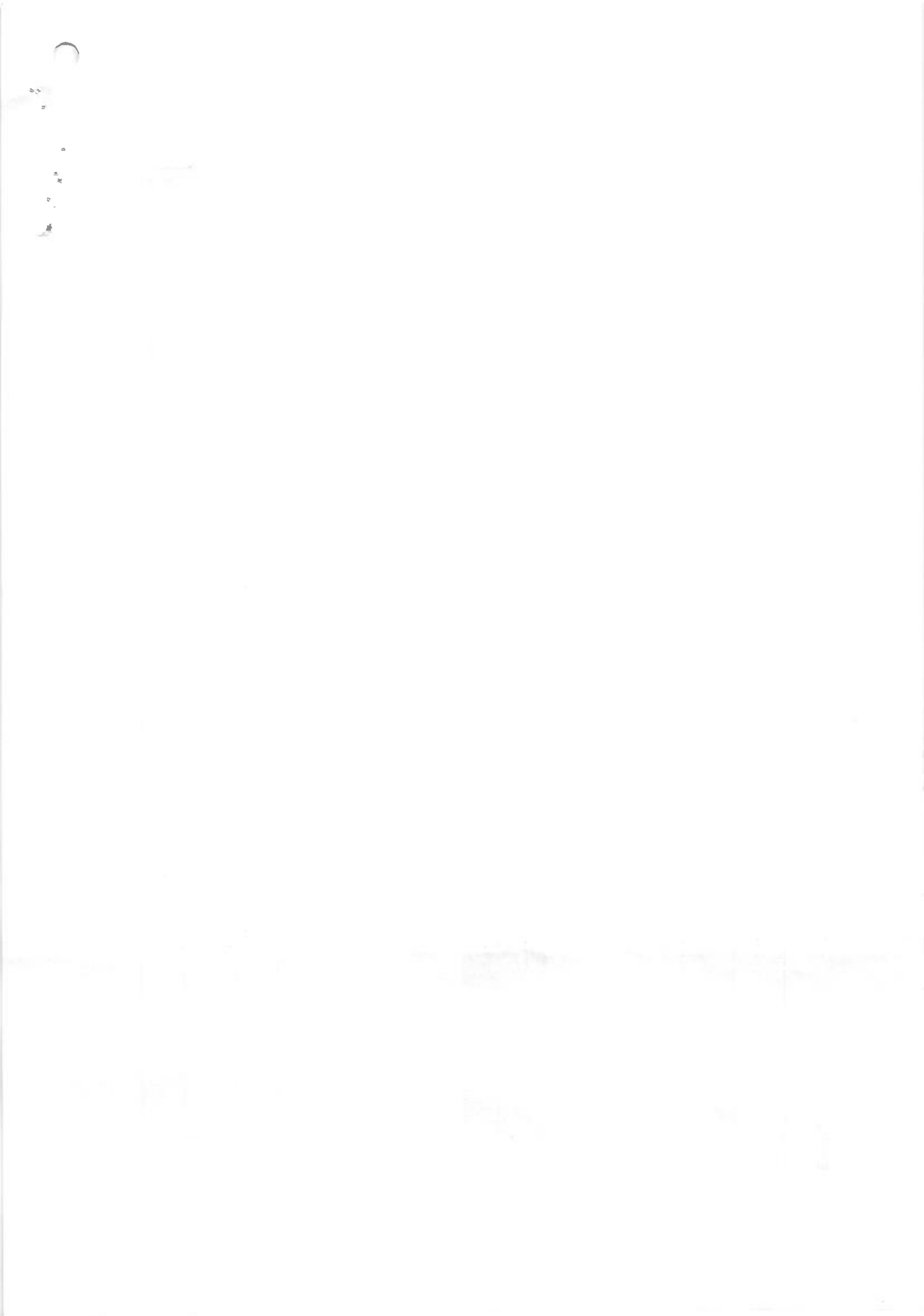
Item #	Items	BOQs	QTN	Blazon diagnostic	HA Shah	KHB	Pak Hosp.	WWS
1	Glassware washer	Adjustable temp, min water consumption, 220 V, dryer enabled	1	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted
2	NGS	<p>The System should be able to perform the analysis of both DNA &amp; RNA samples. Single System for Multiple Application and should be able to deliver without any change in hardware by offering flexibility for Targeted sequencing, whole exome sequencing and whole genome sequencing.</p> <p>The instrument should be fully automated from Library preparation to sequencing analysis</p> <p>The instrument must have cloud storage option.</p> <p>The manufacturer should offer ready to use panels along with flexibility of custom design panels for each of CE-IVD, whole exome, whole genome and related software.</p> <p>Vendor must include the following in the package:</p> <ol style="list-style-type: none"> <li>1. Foreign training of at least 2 faculty members.</li> <li>2. 200 NGS Samples package for whole genome sequencing.</li> <li>3. Sample barcoding kit for 1-96 sample multiplexing</li> <li>4. Library preparation kit for at least 200 rxn.</li> <li>5. Equipment for fluorescence based quantification</li> <li>6. All the necessary softwares for</li> </ol>	1	Not qualified as not quoted as per BOQs	<b>Qualified</b>	Not Quoted	Not Quoted	<b>Qualified</b>



Item #	Items	BOQs	QTN	Blazon diagnostic	HA Shah	KHB	Pak Hosp.	WWS
		<p>the analysis</p> <p>7. Online UPS for system support Bidders must attach the following information in the bid:</p> <p>a. List of Active/running NGS sites in Pakistan.</p> <p>b. Certificates of foreign trained Application and hardware engineering team for NGS, based in Pakistan.</p> <p>c. Must attach compliance sheet with relevant documents.</p>						
3	Lumino-meter	96 well plate reader, dual injection system (glow & flash based luminescent), integrated data analysis software	1	Not Quoted	Not Quoted	<b>Qualified</b>	Not Quoted	Not Quoted
4	Touch-o-Matic burner, mixed gas	Hand rest lockdown option, air regulator, ID Tubing	2	Not Quoted	Not Quoted	<b>Qualified</b>	<b>Qualified</b>	Not Quoted
5	CO <sub>2</sub> Regulators	For CO <sub>2</sub> Incubator	2	Not Quoted	Not Quoted	Not quoted	Not Quoted	Not Quoted
6	Liquid Tissue Culture Media Filtration Kit	<p>positive pressure filtration tank, 10 lit capacity, Stainless steel pressure tank with pressure Gauge, ASME approved safety valve with automatic &amp; manual pressure relief, Air pressure hose, reinforced air pressure line with quick-disconnect fittings, compatible autoclavable tygon tubing with snap-grip hose/tube clamps.</p> <p>Also quote 0.45 µm filter, a positive pressure source, collection vessel, and media/reagent bottles.</p>	1	Not Quoted	Not Quoted	Not quoted	Not Quoted	Not Quoted
7	Filtration Assembly	Stainless steel with funnel. For support buffer filtration, 250 ml Filter Holder, 47 mm, stainless steel, Stainless steel	1	Not Quoted	Not Quoted	Not qualified as not quoted as per BOQs	<b>Qualified</b>	Not Quoted



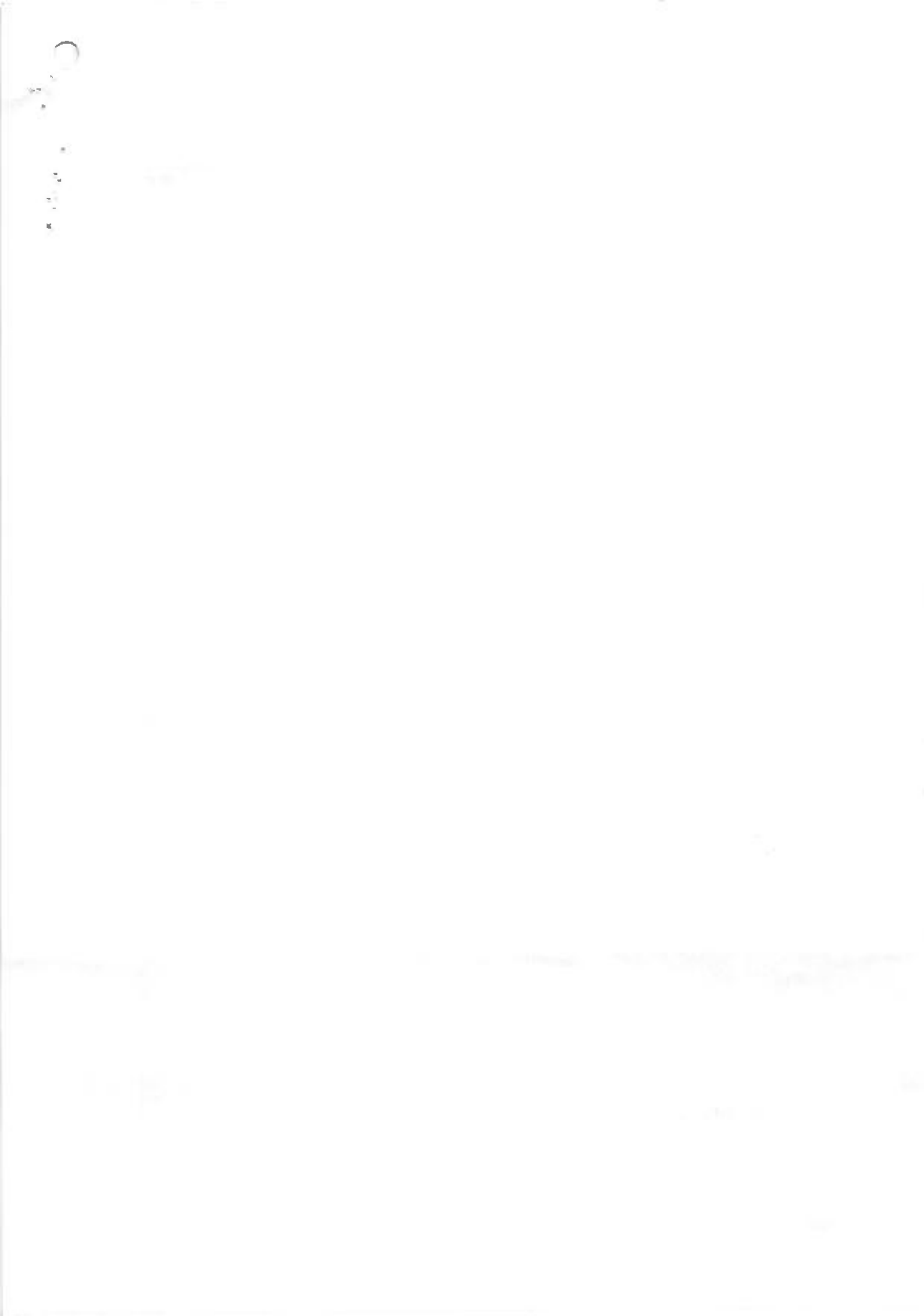
Item #	Items	BOQs	QTN	Blazon diagnostic	HA Shah	KHB	Pak Hosp.	WWS
		funnel, support frit and base; stainless steel funnel cover; anodized aluminum spring clamp; silicone stopper						
8	Filter flask	5 L, Pyrex, vacuum resistant	4	Not Quoted	Not Quoted	Qualified	Qualified	Not Quoted
9	Desiccator cabinet	Dry incubation & mixer block for 24x 2 ml micro tubes, temp 4-100 C, shaking speed 250-1400 rpm	1	Not Quoted	Not Quoted	Qualified	Not qualified as not quoted as per BOQs	Not Quoted
10	Lab lamp	Flexible arm, 360° sweep and feature twin.	12	Not Quoted	Not Quoted	Not quoted	Not Quoted	Not Quoted
11	Lab trolley, Stainless steel	1032 x 508 x 960(h)mm stainless steel, with abrasion resistant, non-marking and shock absorbent wheels	3	Not Quoted	Not Quoted	Not quoted	Qualified	Not Quoted
12	Carboys	Polypropylene made, 20 L rectangular/Round, with SS holding grip.	4	Not Quoted	Not Quoted	Qualified	Qualified	Not Quoted
13	laboratory Jack, standard	Made of high quality stainless steel corrosion resistance and lift very stability, Adjustable	1	Not Quoted	Not Quoted	Not quoted	Qualified	Not Quoted
14	Kik Step	As per sample picture.	2	Not Quoted	Not Quoted	Not quoted	Qualified	Not Quoted
15	Pipette cleaning sets, Nalgene	Should be made of rugged, high-density polyethylene, include pipet jar, washer/rinser, basket	1	Not Quoted	Not Quoted	Qualified	Qualified	Not Quoted
16	Cryogenic Gloves	As per sample picture.	2	Not Quoted	Not Quoted	Not quoted	Qualified	Not Quoted
17	Transparent. latex rubber tube roll	Array of different diameters, as per sample picture.	1	Not Quoted	Not Quoted	Qualified	Not Quoted	Not Quoted
18	Silastic lab tubing roll	Array of different diameters, as per sample picture.	1	Not Quoted	Not Quoted	Qualified	Not Quoted	Not Quoted



Item #	Items	BOQs	QTN	Blazon diagnostic	HA Shah	KHB	Pak Hosp.	WWS
19	Cell Counting chambers	Cell Counting Neubauer Chamber with manual cell counter	2	Not Quoted	Not Quoted	Qualified	Qualified	Not Quoted
20	Baharach Fyrite gas analyzer	CO <sub>2</sub> gas, range: 0 to 7 or above. To measure carbon dioxide for biological incubator monitoring, humidity sensor 0-100 %, built-in gas moisture removal, separate pump key, humidity probes.	1	Not Quoted	Not Quoted	Qualified	Qualified	Not Quoted
21	Hydraulic Jack	Hand Pallet, Capacity : 5000kg, Fork Length : 1150mm, Fork Width : 540mm, Lifting Height : 200mm	1	Not Quoted	Not Quoted	Not quoted	Not quoted	Not Quoted
22	Lab cabinet shelves		20	Not Quoted	Not Quoted	Not quoted	Not quoted	Not Quoted
23	Instrument Table	For placing equipment, according to specifications. Wooden frame and MDF.	9	Not Quoted	Not Quoted	Not quoted	Not quoted	Not Quoted
24	Micro wave oven	Capacity 40 liters with clear visibility front door.	4	Not Quoted	Not Quoted	Not quoted	Not quoted	Not Quoted
25	Refrigerator	General purpose, 16 cFt. Locally available.	1	Not Quoted	Not Quoted	Not quoted	Not quoted	Not Quoted







## Technical Evaluation for Behavioral Sciences Equipment

Sr.#	Name of Equipment	M/S KHB	M/S Pakistan Hospital	M/S H.A Shah	M/S The worldwide scientific	M/S Blazon Diagnostic
	<b>Teaching Equipment</b>					
1	Wechsler adult intelligence scale	Qualified	Qualified	Not quoted	Not quoted	Not quoted
2	Wechsler intelligence scale for children	Qualified	Qualified	Not quoted	Not quoted	Not quoted
3	Child behavior checklist (Teacher, Youth & Child forms)	Qualified	Qualified	Not quoted	Not quoted	Not quoted
4	Minnesota multiphasic personality inventory	Qualified	Qualified	Not quoted	Not quoted	Not quoted
5	Battery for health improvement	Not quoted	Qualified	Not quoted	Not quoted	Not quoted
6	Luria Nebraska neuropsychological battery	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted



7	Emotional intelligence professional inquiry kit	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted
8	Leiter International Performance Scale	Not quoted	Qualified	Not quoted	Not quoted	Not quoted
9	Test of Language Development-2 (TOLD-2): Listening Composite	Not quoted	Not quoted	Not quoted	Not quoted	Not quoted
10	Test of Auditory Comprehension of Language-Revised	Qualified	Qualified	Not quoted	Not quoted	Not quoted
11	Clinical Evaluation of Language Fundamentals (CELF-R): Receptive Subtests	Qualified	Qualified	Not quoted	Not quoted	Not quoted
12	Peabody Picture Vocabulary Test-Revised	Qualified	Qualified	Not quoted	Not quoted	Not quoted
13	Woodcock-Johnson, Revised-Tests of Cognitive Ability (WJ-R COG): Oral Language Cluster	Qualified	Qualified	Not quoted	Not quoted	Not quoted

