



Dr. Razi

03/11/2021

Technical Report of Botany Lab Items:!

The tendering process held on 18-05-2021 for purchase of botany lab items. 06 firms participated in tendering process.

- 1:-Key Scientific Corporation
- 2:-Wahid Scientific Store
- 3:- New Chemical Centre
- 4:- Rays Technologies
- 5:- AGBL Pakistan
- 6:- SU Enterprises.

Evaluation of all items was done by thorough review of specifications considering the requirement and utility of instruments by departmental technical committee.

Sr. No.	Item Name	Key Scientific	Rays Technologies	Wahid Sc.	New Chemical	AGBL	SU Ent.
01	Bench top Centrifuge (Authorization Letter Required)	Technically disqualified Model-Zk496 Hermle Made in Germany Technically disqualified as the quoted Max Speed range is 10500RPM while the required was 15200RPM	Not Quoted	Not Qualified Model-DP-2065R PLUS PRESVAC Country of origin not mentioned. Reason: Authorization letter of principal company isn't attached.	Qualified Model-CAT 10096934 THERMOFISHER	Technically disqualified Model-NF1200 NUVE Made in Turkey Technically disqualified as the quoted Max Speed range is 14000RPM while the required was 15200RPM	Technically disqualified Model-ROTANTA 460 HETTICH Made in Germany Technically disqualified as the quoted Max Speed range is 15000RPM while the required was 15200RPM
02	EC Meter (Authorization Letter Required)	Not Qualified Model=S-611L PEAK INSTRUMENTS Made in USA	Not Quoted	Not Qualified Model-Ad 3000 ADWA Made in Hungry Reason:	Qualified Model-CAT 11661469 THERMOFISHER	Not Quoted	Qualified Model-STARTER 3100C OHAUS Made in USA

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Noshaba Durrani 3/11/2021

Sr. No.	Item Name	Key Scientific	Rays Technologies	Wahid Sc.	New Chemical	AGBL	SU Ent.
		Reason: Authorization letter of respective company isn't attached.		Authorization letter of principal company isn't attached.			
03	Insulated Buckets (Authorization Letter <i>NOT</i> required)	Not Quoted	Not Quoted	Not Quoted	Qualified	Not Quoted	Not Quoted
04	Liquid Nitrogen Cylinder 10L (Authorization <i>NOT</i> Letter Required)	Not Quoted	Not Quoted	Qualified CHART Made in USA.	Qualified Model- STC-10/50M STALWART	Not Quoted	Not Quoted
05	UV Transilluminator (Authorization Letter Required)	Not Quoted	Qualified Model-MD-20 WEALTECH,USA Made in Taiwan	Not Qualified Model- CSLUVTSDUO CLEAVER SCINTIFIC Made in USA Reason: Authorization letter of principal company isn't attached.	Not Qualified Model-BT509 BT LAB Reason: Authorization letter of respective company isn't attached.	Not Quoted	Qualified Model TUL 100 GEL COMPANY Made in USA
06	Vortex Mixer (Authorization Letter Required)	Not Quoted	Qualified Model-ZX3 VELP Made in Italy	Not Qualified Model-MX-S SCIOGEX Made in USA Reason: Authorization letter of principal company isn't attached.	Not Qualified Model-BT903 BTLAB Reason: Authorization letter of respective company isn't attached.	Technically Disqualified Model-V-1 PLUS BIOSAN Made in Latvia Reason: Required: 0-2500rpm Quoted: 500-	Qualified Model-MX-S DLAB Made in USA

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Sr. No.	Item Name	Key Scientific	Rays Technologies	Wahid Sc.	New Chemical	AGBL	SU Ent.
						3000 rpm(speed control range)	
07	Analytical Weighing Balance (Authorization Letter Required)	Not Quoted	Qualified Model-ATX-324 SHIMADZU Made in Japan	Not Quoted	Qualified Model- CAT 15399032 THERMOFISHER	Not Quoted	Qualified Model-EX324 OHAUS Made in USA
08	Magnetic Stirrer (Authorization Letter Required)	Not Quoted	Qualified Model-AREC.X VELP Made in Italy	Not Qualified Model-MS7- H550-PRO SCIOLOGEX Made in USA Reason: Authorization letter of principal company isn't attached.	Not Qualified Model-CAT SLR WIGGEMS Made in Germany Reason: Authorization letter of respective company isn't attached.	Not Qualified Model-MS3000 BIOSAN Made in Latvia Reason: Capacity of quoted instrument is less than required one. Quoted: 5 L Required: 20L	Technically disqualified Model-e- GF1HS07C OHAUS Made in USA Quoted temperature range: 500°C while required temperature range is 550°C
09	Spectrophotometer (Authorization Letter Required)	Not Qualified Model-C-7200 PEAK INSTRUMENTS Made in USA Reason: Authorization letter of respective company isn't attached.	Not Quoted	Not Qualified Model -T80+ PG INSTRUMENTS Made in UK Reason: Authorization letter of principal company isn't attached.	Qualified Model- CAT STA 8100ST STALWART	Not Quoted	Not Qualified Model-UH5300 HITACHI Made in Japan Reason: Authorization letter of respective company isn't attached.
10	Digital Weighing Balance (Authorization Letter Required)	Not Quoted	Qualified Model-ATX-324 SHIMADZU Made in Japan	Not Quoted	Qualified Model-15399032 THERMOFISHER	Not Quoted	Qualified Model-EX324 OHAUS Made in USA
11	Colorimeter (Authorization Letter Required)	Not Quoted	Qualified Model-AF710-3 LOVIBOND	Not Quoted	Qualified Model- ST-PR45 STALWART	Not Quoted	Not Qualified Model- HYPERION

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Sr. No.	Item Name	Key Scientific	Rays Technologies	Wahid Sc.	New Chemical	AGBL	SU Ent.
			Made in England				ADMESY Made in Nietherland Reason: Authorization letter of respective company isn't attached.
12	COD analyzer (Authorization Letter Required)	Not Quoted	Not Quoted	Not Qualified GMBH Made in Germany Reason: Authorization letter of principal company isn't attached.	Qualified Model-12708725 THERMOFISHER	Not Quoted	Not Quoted
13	BOD analyzer (Authorization Letter Required)	Not Quoted	Qualified VELP Made in Italy	Not Qualified Model-BOD600 TINTOMETER Made in Germany Reason: Authorization letter of principal company isn't attached.	Qualified Model-17123174 THERMOFISHER(VELP)	Not Quoted	Not Quoted
14	General Compound Microscope (Authorization Letter Required)	Not Quoted	Qualified Model-CX23LED OLYMPUS Made in Japan	Not Qualified Model-MB1152 EUROMEX Made in Holland Reason: Authorization letter of principal company isn't attached.	Qualified Model-STN-2010E STALWART	Not Quoted	Technically disqualified Model-BB.1152- PLi EUROMEX Made in Netherlands Reason: attached Authorization

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Wahid

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Sr. No.	Item Name	Key Scientific	Rays Technologies	Wahid Sc.	New Chemical	AGBL	SU Ent.
15	Domestic Grinder (Authorization <i>NOT</i> Letter Required)	Not Quoted	Not Quoted	Qualified Made in China	Qualified Model- WF-365 WESTPOINT	Not Quoted	letter expired Qualified Model-MFC- MICRO HAMMER MILL KINEMETICA AG Made in Switzerland
16	Micropipettes Sets (Authorization Letter Required)	Not Qualified Model-Micropette Plus SCIOGEX Made in China Reason: Authorization letter of respective company isn't attached.	Qualified Model- P2G, P10G, P20G, P200G, P1000G GILSON Made in France	Not Qualified Model- LEBOPLUS SCIOGEX Made in USA Reason: Authorization letter of principal company isn't attached.	Not Quoted	Not Quoted	Not Qualified Model-LEVO ME DLAB Made in USA Reason: Quoted volume range is less than required one. Required: 0.1 to 1000µl Quoted: 0.1 to 100µl
17	Cold Cabinet-4 (Authorization Letter Required)	Qualified Model-LPR-400-PE PHCBI Made in Japan	Not Quoted	Not Qualified Model-9190 Dawlance Reason: Authorization letter of principal company isn't attached.	Not Quoted	Not Quoted	Qualified Model -PR300 ARCTIKO Made in Denmark
18	Anometer (Authorization Letter <i>NOT</i> required)	Not Quoted	Not Quoted	Qualified China	Qualified Model-AS816 SMARTSENSOR	Not Quoted	Qualified Model-P5170 PEAKTECH Made in Germany

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Sr. No.	Item Name	Key Scientific	Rays Technologies	Walid Sc.	New Chemical	AGBL	SU Ent.
19	Hydrometer (Authorization Letter <i>NOT</i> required)	Not Quoted	Not Quoted	Qualified China	Qualified Made in China	Not Quoted	Not Quoted
20	Lux Meter (Authorization Letter <i>NOT</i> required)	Not Quoted	Not Quoted	Qualified China	Qualified Model-AS803 SMART SENSOR	Not Quoted	Qualified Model-P 5086 PEAKTECH Made in Germany
21	Glassware Items (Authorization Letter <i>NOT</i> required)	Not Quoted	Not Quoted	Qualified	Qualified	Not Quoted	Not Quoted
22	Chemical Fume Hood (Authorization Letter Required)	Not Qualified No company mentioned. Made in China	Qualified Model-EFH-4A8 ESCO Made in Singapore	Not Qualified Model-EFH-4A8 ESCO Made in Singapore Reason: Authorization letter of principal company isn't attached.	Not Quoted	Not Quoted	Qualified Model-Q-DYNAMIC BCL 1200 POLEKO POLAND
23	Digital Shaking Incubator (Authorization Letter Required)	Not Quoted	Not qualified Model-I4000 IRMECO Made in Germany Reason: Shaking speed of quoted instrument is less than required one. Quoted: 20-300 rpm Required: 30-400 rpm	Not Quoted	Not Quoted	Qualified Model- ES-20/80C BIOSAN Made in Latvia Weight is acceptable as instrument meet the speed requirement.	Not qualified Model-ZWY-2102 LABWIT Made in Australia Reason: Shaking speed of quoted instrument is less than required one. Quoted: 30-300 rpm Required: 30-400 rpm
24	Electroporator and Enhancer Monitor	Not Quoted	Qualified Model-ECM630	Not Quoted	Not Quoted	Not Quoted	Not Quoted

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Sr. No.	Item Name	Key Scientific	Rays Technologies	Wahid Sc.	New Chemical	AGBL	SU Ent.
	(Authorization Letter <i>NOT</i> required)		BTX Made in USA				
25	Freezer-20 with stabilizer (Authorization Letter Required)	Technically disqualified Model-MDF-U731M PANASONIC/PHCBI Made in Japan Reason: Rqd Temp range: -10°C to -40C Quoted temperature range: -20C to -30C	Not Quoted	Not Qualified Model-TC-512 TRITECH Made in Germany Reason: Authorization letter of principal company isn't attached.	Not Qualified Model-STF-525B STALWART Country of origin not mentioned Reason: Capacity of quoted item is less than required one. Quoted: 525L Required: 600L	Qualified Model-FR590 NUVE Made in Turkey	Qualified Model-LAF700 ARCTIKO Made in Denmark
26	Freezer -80 with stabilizer (Authorization Letter Required)	Qualified Model-MDF-U74V PANASONIC/PHCBI Made in Japan	Not Quoted	Not Qualified - TC-304 TRITECH Made in Germany Reason: Authorization letter of principal company isn't attached.	Qualified Model-STF-728E STALWART	Not Qualified Model-DF590 NUVE Made in Turkey Reason: Capacity of quoted item is less than required one. Quoted: 560L Required: 680L	Qualified Model-ULUF P820GG ARTIKO Made in Denmark
27	Gel Documentation system with accessories (Authorization Letter Required)	Not Quoted	Not Qualified Model-GBOX CHEMI XRQ SYNGENE Made in England Reason: Camera resolution of quoted item is less than required one. Quoted: 04 MP Required: 06MP	Not Qualified Model-GD-1000 AXYGEN Made in USA Reason: Camera resolution of quoted item is less than required one. Quoted: 5.4 MP Required: 06MP	Not Quoted	Qualified Model-C300 AZURE BIOSYSTEM Made in USA	Qualified Model-OMAGA LUM G GEL COMPANY Made in USA
28	Horizontal Gel	Not Quoted	Qualified	Not Quoted	Not Quoted	Qualified	Not Quoted

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Sr. No.	Item Name	Key Scientific	Rays Technologies	Wahid Sc.	New Chemical	AGBL	SU Ent.
	Electrophoresis midi with power supply and accessories (Authorization <i>NOT</i> Letter Required)		Model-ELITE 300 WEALTECH Made in USA			Model-MUPID EXU MUPID Made in Japan	
29	Vertical Gel Electrophoresis large with power supply and accessories. (Authorization Letter <i>NOT</i> Required)	Not Quoted	Qualified Model-ELITE 300 WEALTECH Made in USA	Not Quoted	Not Quoted	Qualified Model-AZURE AQUA QUAD AZURE BIOSYSTEM Made in USA	Not Quoted
30	Ice Flake Machine (Authorization Letter Required)	Not Quoted	Not Qualified Model-FIM90 EVERMED Made in Italy Reason: Bin capacity of quoted item is less than required one. Quoted: 20kg Required: 60kg	Not Qualified Model-COM 150 5020106 JP SELECTA Made in Spain Reason: Authorization letter of principal company isn't attached.	Not Quoted	Not Quoted	Qualified Model-SPR120 SIMAG Made in Italy
31	Liquid Nitrogen Cylinder 50L. (Authorization <i>NOT</i> Letter Required)	Not Quoted	Not Quoted	Qualified CHART Made in USA	Qualified Model-STC-50/50M STALWART	Not Quoted	Not Quoted
32	Multichannel pipettes (Authorization Letter Required)	Not Quoted	Qualified Model-P8x10L, 8x200G, P8x1200M GILLSON Made in France	Not Qualified SCIOGEX Made in USA Reason: Quoted volume range is less than required one. Required: 0.1 to 1000ul	Not Quoted	Not Qualified BIOSAN Made in Latvia Reason: Quoted micropipettes are Single Channel while required one are multichannel.	Qualified Model- AO-10, AO-200, AO-1000 OHAUS Made in USA

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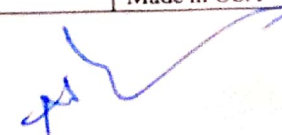
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Sr. No.	Item Name	Key Scientific	Rays Technologies	Wahid Sc.	New Chemical	AGBL	SU Ent.
				Quoted: 0.5 to 300µl.			
33	Seed Germinator (Authorization Letter Required)	Not Quoted	Qualified Model-HPP-750 MEMMERT Made in Germany	Not Quoted	Not Quoted	Not Quoted	Technically disqualified Model-KK750 IG SMARTPRO POLEKO Made in Poland Reason: required temperature: 60°C while the quoted was 70°C.
34	Grinding Miller (Authorization Letter Required)	Not Quoted	Qualified Model-PX-MFC 90D KINAETICA Made in Switzerland	Not Quoted	Not Quoted	Not Quoted	Not Quoted
35	Microtome Apparatus (Authorization Letter Required)	Not Quoted	Not Qualified Model-5050 BRIGHT INSTRUMENTS Made in England Reason: Section thickness of quoted instrument is not according to required one. Quoted: 1-60µm Required: 0.5-100µm	Not Quoted	Not Quoted	Not Quoted	Qualified Model-GALILEO AUTO DIATPATCH Made in Italy
36	Bead Sterilizer (Authorization Letter Required)	Not Quoted	Not Quoted	Not Quoted	Not Qualified Model-BI-1703 BT LAB SYSTEM Country of origin not mentioned	Not Quoted	Qualified Model-B1201 BENCHMARK SCIENTIFIC Made in USA

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Sr. No.	Item Name	Key Scientific	Rays Technologies	Wahid Sc.	New Chemical	AGBL	SU Ent.
					Reason: Authorization letter of respective company isn't attached.		
37	Refractometer (Authorization Letter Required)	Not Quoted	Qualified Model-OPTI Cat No. 38-B1 Bellingham and Stanley Made in England	Not Qualified Model and Company not mentioned Made in China Reason: Authorization letter of principal company isn't attached.	Not Quoted	Not Quoted	Qualified Model-DR 301 95 KRUSS Made in Germany
38	Dishwasher	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted	Not Quoted

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Dr. Q. Iqbal

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At 3/11/2021.

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