

**COMPARATIVE STATEMENT FOR 551(100336) NEW NAME (1085)- PROVISION OF INFRASTRUCTURE FACILITIES & EQUIPMENT TO THE UPGRADED GPIS AT
TIMERGARA, TAKHTBHAI, SWABI, ABBOTTABAD, KOHAT, NOWSHERA TO THE LEVEL OF COLLEGE OF TECHNOLOGY
DATE OF TENDER OPENING 09-06-2021**

(Chemistry)

Item No.	Name of Items	M/S Al-Waqas Associate, Lahore						Anmol Scientific Company, Lahore						Take Care International, Peshawar						Pak Fil Technologies													
		C.S		P.C		P.L.P		T	Model	C.S		P.C		P.L.P		T	Model	C.S		P.C		P.L.P		T	Model								
		40	5	5	2	4	4	60		40	5	5	2	4	4	60		40	5	5	2	4	4	60									
1	PH Meter Portable: · PH Range: -2.00~16.00pH: · PH Accuracy: ±0.01pH · MV Range: -1999~1999mV · MV Accuracy: ±1mV · Calibration Points: 2 points · Calibration Solutions: USA (PH 4.01, 7.00, 10.01) · Temperature Range: 0~100°C, 32~212°F · Temperature Accuracy: ±1°C · Temperature Calibration: Manual · Temperature Compensation: 0~100°C, 32~212°F · Automatic or Manual · Hold Function : Manual · Memory: 50 data sets with Date/Time stamping · Output: USB Communication Interface · Connector : BNC · Built in battery Luxury III arm stand; · PH Electrode, Temp Probe.	36	0	0	0	4	0	40	P611 (China)	40	0	0	0	4	0	44	P611 (China)	40	0	5	0	4	4	53	P-611 (China)	40	0	0	0	4	0	44	PH-700
2	Conductivity Meter · Conductivity Range: 0~20mS/cm (Max.200mS/cm) · Conductivity Accuracy: ±0.5% Full Scale · Calibration Points: Up to 5 points · Calibration Solutions: 10uS/cm, 84uS/cm, 1413uS/cm, · 12.88mS/cm, 111.8mS/cm · TDS Range: 0~10ppt (Max. 20ppt, Depending on factor setting) · TDS Accuracy: ±1% Full Scale · TDS Factor: 0.1~1.0 (Default 0.5) · Temperature Range: 0~105°C, 32~221°F · Temperature Accuracy: ±0.5°C, ±0.9°F · Temperature Calibration: Manual · Temperature Compensation: 0~100°C, 32~212°F, Automatic or Manual · Temperature Coefficient: 0.0~10.0% per °C · Compensation Modes: Linear or Pure Water	40	0	0	0	4	0	44	Bante 530 (China)	40	0	0	0	4	0	44	CM520A- S (China)	40	0	5	0	4	4	53	DDS-307A (China)	40	0	0	0	4	0	44	CON 2700 (USA) (Authorization not Available)

<ul style="list-style-type: none"> · Cell Constant: K=0.1, 1, 10, Selectable · Normalization Temperature: 20°C or 25°C · Auto-Off: Manual or Automatic (10, 20, 30 minutes after last key pressed, Selectable) · Reset Function: Yes · Sensor Type: Platinum (Order Code: CON-0.1, CON-1 or CON-10) · Memory: 500 data sets with Date/Time stamping · Battery operated Stand 																																
<p>3 Balance Digital Capacity: 2000gm Sensitivity: 0.1gm For: 220-240V, 50/60Hz, single phase supplies(Range: 3200gm-3500gm)</p>	40	0	0	0	0	0	40	(China)	40	0	0	0	4	0	44	YP20001 (China)	40	0	5	0	4	4	53	FA-E (China)	40	0	5	0	4	0	49	XY2000-1B (China)
<p>4 Oven (Lab Oven) Temperature range: 250 – 300 °C With natural convection Air, microprocessor PID controller, separately adjustable overtemperature controller, and perforated stainless steel Inner side. For 230V 50/60Hz single phase supplies.</p>	40	0	0	0	4	0	44	202-0AB (China)	40	0	0	0	4	0	44	DHG-9202 (China)	40	0	5	0	4	4	53	WHL-30B (China)			N/Q					Not Qouted
<p>5 Water Bath Capacity: 50-60 lit Hole: 4 or 6 Stainless steel Inner side, with integral heating element, connector with cable, constant level and set of concentric rings. For 220VAC single phase supplies; rating 1kW.</p>	38	0	0	0	0	0	38	HH-4 (China)	40	0	0	0	4	0	44	HH-6 (China)	40	0	5	0	0	4	49	HH-S8 (PAK)			N/Q					Not Qouted
<p>6 Magnetic Stirrer with Hot Plate. It's heating temperature from room temperature to 300 degrees Celsius. Magnetic stirrer built-in the CPU chip, it can control each operation functions of stirrers. The stirrer uses push-button to increase or decrease the stir speeds, Stirring Volume: 0 to 2000mL Stirring Speed: 0 to 1250rpm Panel Material: Stainless Steel Temperature: ambient to 300 °C Timer: 0 to 999 minutes Power Requirements: 220V/50Hz, with internal thermocouple, slimy bar.</p>	40	0	0	0	4	0	44	MS 300 (China)	40	0	0	0	4	0	44	MS300 (China)	40	0	5	0	4	4	53	MS-300 (China)	35	0	5	0	4	0	44	BS2H (China)

7	Muffle Furnace Temperature: ambient to 1150 °C Programmable 0 °C to max in two steps. Suitable for element analysis and quenching, tempering and annealing of small steel parts as well as sintering, melting and analyzing of metal and ceramics. Used in laboratories of mines, enterprises and scientific research institutes. 220v/50Hz Max Temp: 1300°C	40	0	0	0	0	0	0	40	SX2-2.5-12 (China)	40	0	0	0	4	0	44	ASC-C-501 (China)	40	0	5	0	0	4	49	SX-2.5-12 (China)			N/ Q						Not Quoted
8	Centrifuge Machine Max. speed: 4000rpm Capacity: 12×20ml Max.RCF: 2325*g Power source: 220V 50Hz Time range: 0~ 60min, constant, Pulse.	40	0	0	0	0	0	40	(China)	40	0	0	0	4	0	44	80-1 (China)	40	0	5	0	0	4	49	80-2 (China)	40	0	5	0	4	0	49	LC-4K-2 (China)		
9	Spectrophotometers Product/Specification: - Wavelength Range 325-1000nm - Spectral Bandwidth 4nm Optical System Single Beam . - Grating 1200 lines/mm Wavelength - Accuracy ±2nm - Wavelength Repeatability 1nm Wavelength - Setting Manual - Photometric Accuracy ±0.5%T - Photometric Range 0-200%T , -0.3 - 3A Stray Light 0.3%T. - Stability ±0.004A/h @500nm. - Display 128*64 Dots LCD. - Detector Silicon Photodiode. - Power Requirement AC 220/50Hz. - Water distillation.	40	0	0	0	0	0	40	VIS-721 (China)	40	0	0	0	4	0	44	721 (China)	40	0	5	0	0	4	49	UV-1100 (China)	40	0	0	0	4	0	44	AQ7100 (USA) (Authorization not Available)		
Engr. Fazli Saeed, Lecturer (Chemical) GCT Peshawar.										Mr. Abdul Qayyum, Lecturer (Physics) GPI, Sardar Ghari Peshawar.																									