

UNIVERSITY OF BALTISTAN, SKARDU

CORRIGENDUM

With reference to the advertisement published under the caption “**supply of Hardware, Lab Equipment**” may be read as: The bid should reach at the purchasing office the University of Baltistan Skardu, by **17-08-2020** up to 11 am.



UNIVERSITY OF BALTISTAN, SKARDU
Office of the Treasurer

Tender Notice
Estimated Cost Rs:-/1,727,950/-
Tender for supply of Hardware Lab Equipment

Sealed bids are invited for supply to University of Baltistan from manufacturers, dealers, firms, registered with GST & NTN and PRA (if applicable), for the procurement of below mentioned.

S#	Main Category	Sub Category	Specifications	Quantity Required	Unit Price without GST	Total Cost
1	Digital Trainer	Basic Digital Logic Trainers	•Operating Voltage 220-230 Volts 50Hz	5	16000	80000
			•Board Size 10" x 12"			
•Fixed in rugged carrying case.						
•Potentiometer						
•Variable Resistor 5K(B)						
•Variable Resistor 10K(B)						
•Variable Resistor 100K(B)						
•Logic Switches 8Nos						
•Lamp Monitor L.E.D 8Nos						
•Seven Segment Decoder display						
•Debounce Switches 2Nos						
•Pulse Catcher / Logic Probe						
•Clock Timer						
•Connecting Leads						
	Basic Electronics Trainer		•Fixed DC Output +5Volts 200mAmps			
		•Fixed AC +5V through center tap transformer				

2			<ul style="list-style-type: none"> •Variable DC output ± 20Volts •200mAmps.Ripple less than 20mV Digital multi-meter •Speaker with 0.25 Watts amplifier •Two Nos. of relays •BNC type connectors for connecting instruments such as an oscilloscope, function generator, etc •Clock Pulse 7Hz to 50Hz •Lamp monitors five Nos •Variable Resistor 5k, 10k, 100k •Double size bread board (350mm x 134mm x 8mm) •Operating voltage 220Volts 50Hz 					
		Programmable Logic Controller Trainer (digital)	<ul style="list-style-type: none"> •Power 230v 50hz approx.35w dc •supplies +5v,.08a a.10 mv ripple, 3.5 regulation, with no load on ± 15vac, 0.8a each load on +5 supply (1a each at ± 10v), led power supply indicator (3), 5vac, 0.1a (20 primary 230v 50h, power supplies are short circuit protected, power supply terminal for measuring voltages. 15 pin winchester socket provided for connection , accessory panel base 	5	36000	180000		
		3	Circuit Board (Different)	• 89C51/52 Generic Boards	<ul style="list-style-type: none"> •8-bit microcontroller •4KB of Flash PEROM •128 bytes of RAM 	10	4500	45000
				• Bread board	Solderless Breadboard with 400 Points	10	350	3500
				• Transistor, Basic Circuits, resistances etc..		100	40	4000
		4		• DC Power Supply	•Single channel, 3-bit digital display, shows voltage and current simultaneously	5	38000	190000

	Bipolar Power Supply		<ul style="list-style-type: none"> •Voltage display resolution: 100mV; current display resolution: 10mA •Voltage output: 0~30V consecutive and adjustable voltage •Current output: 0~5A 			
5	Function Generator MFG	Functions Generator	<p>Dual-channel, 120MHz maximum bandwidth, 20Vpp maximum output amplitude, high fidelity output with 80dB dynamic range •High-performance sampling system with 1.2GSa/s sampling rate and 16-bit vertical resolution. No detail in your waveforms will be lost</p> <ul style="list-style-type: none"> •Innovative TrueArb technology, based on a point-by-point architecture, supports any 8pts~8Mpts Arb waveform with a sampling rate in range of 1μSa/s~75MSa/s •Innovative EasyPulse technology, capable of generating lower jitter Square or Pulse waveforms, brings a wide range and extremely high precision in pulse width and rise/fall times adjustment •Plenty of analog and digital modulation types: AM, DSB-AM, FM, PM, FSK,ASK and PWM •Sweep and Burst function •High precision Frequency Counter •Standard interfaces: USB Host, USB Device, USBTMC), LAN(VXI-11) • Optional interface: GPIB •4.3" touch screen display for easier operation 	5	55000	275000
6	Digital Multi-meter	• Digital Multi-meter	<ul style="list-style-type: none"> •DC voltage: 200m / 20/200/1000 V • AC voltage: 200 m / 2/20/200 / 750V • DC current: 20μ / 200 μ / 2m / 200m / 10A • AC current: 20μ / 200μ / 2 m / 200 m / 2 / 10A • Resistance: 200 / 2K / 20K / 200K / 2M / 20M / 200MΩ • Capacity: 2η / 20η / 200η / 2μ / 20μF 	5	3600	18000

			<ul style="list-style-type: none"> • Frequency: 20kHz to 2000kHz • Loading cycles: 0.1% to 99.9% • Temperature: 0 ° to 1000 ° C • Logical level: High > 2,0 V; Low • Circuit control: yes • Diodes control: yes • Weight: 495 g (including battery) • Battery: 1x9V 			
7	Digital Oscilloscope	• Oscilloscopes	<p>200MHz bandwidth. 2-channel models. Up to 2 GS/s sample rate on all channels 2.5k point record length on all channels Advanced triggers including pulse and line-selectable video triggers 7 inch WVGA (800X480) Active TFT Color Display 34 automated measurements Dual window FFT, simultaneously monitors both the time and frequency domains. Built-in waveform limit and TrendPlot™ testing . Dual channel frequency counter. Zoom Function. Automated, extended data logging feature. Autoset and auto-ranging functions. Built-in context-sensitive help</p>	5	105000	525000
8		Microcontroller Trainer	<p>IR transmitter/ receiver Built in in-circuit programming 4 nos. Seven segment display ADC interfacing Serial communication port Liquid crystal display 10 pins interface data connector 2nos EEPROM 24cxx Real time clock ds 1307</p>	5	18500	92500

			Temperature sensor lm 35				
			16 led displays				
			Key pad matrix				
			Solder less bread board				
			Built in power supply +5 vdc,±12 volt dc				
			Operate on 220 volts 50 hz ac				
9		Arduio, Raspberry pi, Z1 Mote, Loravan, Node MCU	Arduino Boards				
			1- Arduino UNO R3	10	3200	32000	
			2- Arduino Mega 2560	10	3950	39500	
			3- Arduino Leonardo	10	3875	38750	
			Raspberry Boards				
			1- Raspberry Pi Model B	10	8500	85000	
10		• Wire cutters		5	550	2750	
		• Wire strippers		5	1150	5750	
11		Logic gates, DEMUX, Latches, Flip-flipe, binary counters, ALU	Logic gates				
			1- 74ls00	20	30	600	
			2- 74ls02	20	30	600	
			3- 74ls04	20	30	600	
			4- 74ls47	20	75	1500	
			5- 74ls192	20	85	1700	
			6- 74ls245	20	55	1100	
			7- 74ls95	20	125	2500	
			8- 74ls32	20	40	800	
			9- 74ls75	20	85	1700	
			10- 74ls42	20	65	1300	
			11- 74ls147	20	65	1300	
12		• 8 channel binary static switch		5		5000	
		• 8 channel logic signal indicators		5			
		• UART	Universal Asynchronous Receiver/Transmitter.	5			
		• Power and ground connectors		5			
		Total Amount				1,727,950/=	

1. The bid should be addressed in the name of Purchase Officer **University of Baltistan, Skardu** and reach in this office (Procurement wing) by **17-07-2020** up to 11 am.
2. The committee will open the bids on same date at 11:30 am in the presence of bidders, who wish to attend. In case of submission / opening date falls on the public holiday, the submission / opening date will be next working day at 11:30 am.
3. Bidding documents, containing detailed terms and conditions, etc. are available at Purchase Officer office University of Baltistan, Skardu Price of the bidding documents is Rs:-1 0 0 0 /

Purchase Officer
University of Baltistan
Skardu
Ph; 05815-960062