



**KOHAT UNIVERSITY OF SCIENCE AND TECHNOLOGY, KOHAT**  
Kohat 26000 Khyber Pakhtunkhwa, Pakistan (Ph: 0922-52914714, 52914627 - Ext: 4714)

Name of Firm/ Bidder	
Phone/ Mobile Number	
Address	
NTN/ CNIC Number	
GST Number	
Call Deposit Amount	
Call Deposit No. & Date	
Tender Applied For	<b>Purchase of Lab Equipments for Microbiology Department</b>

Unit Rate for Kohat Basis (PKR)						
S.No.	Item Type	Quantity	Per Unit Cost (Including Income Tax) PKR	Total Cost without GST	GST Amount	Total Cost (Including GST) PKR
1	Elisa Microplate Reader					
2	Refrigerated Centrifuge					
<b>Total Bid Cost</b>						

## Technical Specification for the above mentioned Equipments

<b>1. Elisa Microplate Reader (Made in USA/ Europe/ Japan/ England)</b>	
<b><u>Technical Specification</u></b>	
<b>Detection Modes:</b>	Absorbance
<b>Read Methods:</b>	Endpoint. Kinetic, well area scanning (under computer control)
<b>Microplate types:</b>	6-, 12-, 24-, 48-, 96-well microplates
<b>Software:</b>	Provided
<b>LCD:</b>	Provided preferably touch screen
<b>Light Source:</b>	Tungsten halogen
<b>Detector:</b>	Photodiode
<b>Wavelength:</b>	Selection Filters (400-750nm)
<b>Dynamic Range:</b>	0 to 4.0 OD (normal & rapid read modes)
<b>Resolution:</b>	0.001 OD (Standalone mode)
<b>Filter Wheel:</b>	Capacity 5
<b>Filter Supplied:</b>	Variable Filters provided
<b>Accuracy:</b>	+1.0% +0.010 OD from 0.0 to 2.0 OD
<b>Linearity:</b>	+1.0% from 0.0 to 2.0 OD, +3.0% from 2.0 OD to 3.0 OD
<b>Precision:</b>	+0.5% +0.005 OD from 0.0 to 2.0 OD
<b>UPS:</b>	Provided
<b>Computer and Printer:</b>	Provided as separately or in build

<b>Tolerability:</b>	The instrument must have proven tolerability for power fluctuation
<b>C &amp; F rate:</b>	Must provide C & F rate in addition to FOR rate
<b>Warranty:</b>	Minimum 01 year warranty for instrument, hardware replacement and any repair
<b>Installation:</b>	Free Installation of equipment in the concerned department

## **2. Refrigerated Centrifuge (Made in USA/ Europe/ Japan/ England)**

### **Technical Specification**

<b>Type:</b>	Refrigerated
<b>Speed:</b>	500-15000 Rpm
<b>Rotor Capacity:</b>	1.5ml, 2ml, 10ml, 50ml
<b>Temperature Range:</b>	Variable -9°C to +40°C with stand by cooling
<b>Supply:</b>	220V, 50/60Hz
<b>LCD-Display:</b>	For the preselection of all centrifuge parameters
<b>Power:</b>	160 Watts
<b>Buckets:</b>	Complete with buckets
<b>Sealed Lids:</b>	Available with
<b>UPS:</b>	Provided
<b>Door Interlocked System:</b>	Provided
<b>Over temperature detection System:</b>	Provided
<b>Power Fluctuation:</b>	The instrument has proven tolerability for power fluctuation
<b>C &amp; F Rate:</b>	Must provide C & F rate in addition to FOR rate
<b>Warranty:</b>	Minimun 01 year warranty for instrument, hardware replacement and any repair
<b>Installation:</b>	Free Installation of equipment in the concerned department

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**Convener**  
**University Purchase Committee**