



# **KOHAT UNIVERSITY OF SCIENCE AND TECHNOLOGY**

**Kohat 26000 Khyber Pakhtunkhwa, Pakistan (Ph: 0922-52914758, 5291501 – Ext: 4758)**

## **Tender Form for Supply of Lab Equipment for Department of Physics (List A)**

Name of Firm/Bidder	
Phone /mobile Number	
NTN/CNIC Number	
GST Number	
Call Deposit Amount	
Call Deposit Number & Date	
Tender Applied For	<b>Laser Lab Instrument for Department of Physics (List –A)</b>

S.No	Name of Equipment to Specification	Unit Rate F.O.R Kohat Basis (PKRs)				
		Rate Without Sales Tax		Unit Cost		
		Unit Cost	Total Unit Cost	Unit Cost	Sales Tax @	Unit Cost Including Sales Tax

S.No	Item	Qty
1	Turn Key Pulsed Nd-YAG laser system delivering fast pulses, ~2500mJ per pulse in ~1064nm ~1400mJ per pulse in ~532nm, ~750 mJ per pulse in ~335nm, ~250mJ/P in ~226nm Configuration: Nd: YAG Laser, 2500 mJ at 1064 nm, 10 Hz, With SHG Type II and THG KD*P crystals External Harmonic Generator and Separate Enclosure FHG BBO crystal Pair of mounted 1064 nm dichroic beam splitters Pair of mounted 532 nm dichroic beam splitters Pair of mounted 355 nm dichroic beam splitters Pair of mounted 266 nm dichroic beam splitters Water cooled beam dump With installation on the campus and operation training of two persons	1
2	Nitrogen laser system, complete with all the accessories delivering < 4ns pulses at ~337 nm wavelength having about 250 micro joule	1



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	energy with beam area of 35 mm <sup>2</sup> .	
3	Infrared Viewer, 350-1700 nm range, 60 lp/mm resolution, X2.5 magnification, 38 degrees field of view	2
4	High power infrared sensor card, 800-1700 nm, 23 x 23 mm active area, with metallic base	4
5	High power UV sensor card, 800-1700 nm, 23 x 23 mm active area, with metallic base	4
6	Red He-Ne laser, 2.0 mW, 500:1 polarization	2
7	Red He-Ne laser, 2.0 mW, random polarization	2
8	Green He-Ne laser, 1.0 mW, 500:1 polarization	2
	Optics set Newport Model OPTISET-1 or similar/alike	1
	Optics set Newport Model OPTISET-2 or similar/alike	1
	Optics set Newport Model OPTISET-3 or similar/alike	1
9	Green He-Ne laser, 1.0 mW, random polarization	2
10	Green He-Ne Laser, 543 nm, 0.5 mW, multimode	2
11	Cylindrical laser mount assembly with rod and rod clamp and table clamping base for the He-Ne lasers	8
12	Opto-mechanical component set, Newport Model M-MK-1 or similar/alike	1
13	Optomechanical component set, Newport Model M-MK-2 or similar/alike	1
14	Posts and post holder set- Newport Model M-MK-3 or similar/alike	1
15	Lens and Filter holder set Newport Model M-MK-4 or similar/alike	1
16	Mirror mount and accessories set Newport Model M-MK-5 or similar/alike	1
17	Manual positioning set Newport Model M-MK-6 or similar/alike	1
18	Smart Table (Optical Table System) 1200 mm x 2400 mm x 305 mm, Metric, Isolated, 800 mm work surface height, with M6 mounting holes on a 25 mm grid, ferromagnetic stainless steel working surface, with surface flatness of +- 0.1mm over 600 mm square	2
19	Honeycomb Optical Breadboard, 3.4 mm Skin, 600 x 900 x 58 mm, Microlocks,	1
20	Honeycomb Optical Breadboard, 3.4 mm Skin, 600 x 1500 x 58 mm, Microlocks,	1
21	Optical Breadboard Handles, 2 Piece Set,	2
22	Solid Aluminum Optical Breadboard, 150 x 300 mm, 25 mm M6 Grid	2
23	Long scan autocorrelator KIT for pulse measurement of ultrashort pulses	1
24	Absorptive Neutral Density Filter set (square ~ 5cm)	2
25	UV fused silica metallic ND filter set (square ~ 5cm)	2
26	Pulsed xenon light source	1
27	Mercury line calibration lamp with power supply	1
28	Hg-Ne pen ray calibration lamp with power supply	1
29	Standard Magnetic base with M6 thread	12
30	Compact Magnetic Base with M6 thread	6
31	Kinematic Magnetic Base, 400 N Holding Force with M6 thread	6
32	Kinematic Base, Magnetic, 25.4 mm Square, Metric	6
33	Kinematic Base, Magnetic, 76.2 mm Square, Metric	6



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34	Stainless single slotted base	6
35	Stainless double (xy) slotted base	6
36	Opto-Mechanical Set, metric, standard	2
37	Post with collar set	2
38	Optical Mounting Primer Kit, Metric	1
39	Stainless steel Screw kit	2
40	Precision Right-Angle Prism, UV-Fused Silica, 12.7 mm, $\lambda/10$ , 430-700 nm	1
41	Precision Right-Angle Prism, UV-Fused Silica, 12.7 mm, $\lambda/10$ , 650-1000 nm	1
42	Precision Right-Angle Prism, UV-Fused Silica, 12.7 mm, $\lambda/10$ , 1060 nm	1
43	High-Energy Laser Beam Expander, 20x, 3mm Input Beam, Uncoated	1
44	10X Laser Collimator, 1.9 mm Entrance, 19 mm Exit, 1 m to Infinity	1
45	Broadband Ultrafast Variable Beam Attenuator	1
46	Compact Five-Axis Spatial Filter, XY $\theta \times \theta y$ 100TPI, Z 80TPI	2
47	Pinhole Set, Mounted For Use With 900 Spatial Filter	2
48	50 mm Dia, 45°, Broadband Ti:Sapphire Laser Mirror	10
49	50 mm Dia, Enhanced Aluminum Coated, $\lambda/10$ Mirror	10
50	General purpose sheet polarizer, 1.0 inch dia, 450-750 nm	4
51	Wollaston Calcite Prism polarizer ~25 mm diameter	2
52	Glan-Thompson Calcite Polarizer ~25 mm diameter	2
53	Broadband Polarization Rotator, 10.0 mm Clear Aperture, 400 to 700 nm	1
54	Broadband Polarization Rotator, 10.0 mm Clear Aperture, 700 to 1200 nm	1
55	Laser Safety Goggles, Diode, Disc, Dye, Fiber, Nd:YAG, Ho:YAG, Er:YAG, CO <sub>2</sub> , 71% VLT, Glass,	2
56	Glass Laser Goggles, HeNe Align, Ruby, GaAs, Ti:Saph, Nd:YAG, CO <sub>2</sub> , 32%	2
57	25.4 mm XYZ translating optical mount	3
58	50.8 mm XYZ translating optical mount	3
59	Optic cleaning kit	2
60	Lens tissue packs	10
61	Allen key set Metric	2
62	Ball Allen Key set Metric	2
63	Ball Allen Set, English	2
64	Cylindrical laser mount assembly with rod and rod clamp and table clamping base for the He-Ne lasers	6