# PROCUREMENT OF MEDICAL & LAB EQUIPMENT

## Art and Design Department

| S/No | Name of Equipment | Specifications | Required Brand | Quantity | Unit Price (w/o GST) | 17% GST | unit Price with GST) | G. Total (with GST) |
|---|---|---|---|---|---|---|---|---|
| 1. | Caliper sets | Iron calipers of different sizes | Local | 2 sets | | | | |
| 2. | Clay Storage Box with wheels and drawer | 12"x12"x30" (Steel 20/22 G) | Local | 2 | | | | |

## Print Making Lab

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 | Tools Set for stone cutting | (Gauges, Cutter, Chisel, | Imported | 2 | | | | |
| 2 | Lithography Press<br><br>• Refurbishing old Press | 1.    Press bed size = 18" x 30"<br>2.    Over All frame length = 50"<br>3.    Scraper width: 18"<br>4.    Frame width including crank handle: 24"<br>5.    Operation: Manual, Hand Crank for bed movement, hand crank size: 36"<br>6.    Printing type: Lithography with rubber Scrapper<br>7.    Weight of system: 400 Kg - 560 Kg (approx.)<br>8.    Major Metallurgy: solid cast iron<br><br>With repair and upgradation including shipment, logistics, handling and installation. | Imported | 1 | | | | |

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| S/No | Name of Equipment | Specifications | Required Brand | Quantity | Unit Price (w/o GST) | 17% GST | unit Price with GST) | G. Total (with GST) |
|---|---|---|---|---|---|---|---|---|
| | • New Press | Including shipment, logistics, handling and installation | | | | | | |
| 3 | Levigator | For grinding of Litho | Imported | 1 | | | | |
| 4 | Lime Stone Blocks for traditional lithography | 18"x20"<br><br>12" x18 | Imported | 5 | | | | |

# PROCUREMENT OF MEDICAL & LAB EQUIPMENT

<u>(IT LABS)</u>

**Hardware Lab CS/IT**

| S/No | Name of Equipment | Specifications | Required Brand | Quantity | Unit Price (w/o GST) | 17% GST | Unit Price with GST | G. Total (with GST) |
|------|-------------------|----------------|----------------|----------|----------------------|---------|---------------------|---------------------|
| | | AND (7408) | Local/Imported | 100 | | | | |
| | | OR 7432 | Local/Imported | 100 | | | | |
| | | NOT 7404 | Local/Imported | 100 | | | | |
| | | NAND 7400 | Local/Imported | 100 | | | | |
| | | NOR 7402 | Local/Imported | 100 | | | | |
| | | XOR 7486 | Local/Imported | 100 | | | | |
| | | XNOR 74266 | Local/Imported | 100 | | | | |
| 1 | Logical Gates | Half adder | Local/Imported | 100 | | | | |
| | | Full adder | Local/Imported | 100 | | | | |
| | | 2 to 4 decoders | Local/Imported | 100 | | | | |
| | | 3 to 8 decoders | Local/Imported | 100 | | | | |
| | | 4 input Priority Encoder | Local/Imported | 100 | | | | |
| | | BCD to 7 segment driver | Local/Imported | 100 | | | | |
| | | BCD to Excess 3 Code IC | Local/Imported | 100 | | | | |
| | | 3-bit Ripple Counter | Local/Imported | 100 | | | | |

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|---|---|---|---|---|---|---|---|---|---|
| | | Ring Counter and Johnson Counter | Local/Imported | 100 | | | | | |
| | | 7 Segment Display (Common Anode) | Local/Imported | 100 | | | | | |
| | | 7 Segment Display (Common Cathode) | Local/Imported | 100 | | | | | |
| | | DLD Trainer RIMS DEV-2765 or latest version of any other company | Local/Imported | 10 | | | | | |
| 2 | Electric Items | Double tap Role | Local/Imported | 1 | | | | | |
| | | Fuse 5A | Local/Imported | 2 boxes | | | | | |
| | | Jumper wires | Local/Imported | 5 | | | | | |
| | | Dusting Cloth | Local/Imported | 20 | | | | | |
| | | Air Freshener | Local/Imported | 2 | | | | | |
| | | LED Screen Cleaner | Local/Imported | 4 | | | | | |
| | | Wire Stripper | Local/Imported | 5 | | | | | |
| | | Extension Board | Local/Imported | 10 | | | | | |
| | | Tweezer | Local/Imported | 50 | | | | | |
| | | Multimeters | Local/Imported | 15 | | | | | |
| | | RJ-45 Connector | Local/Imported | 100 | | | | | |
| | | RJ-11 Connector | Local/Imported | 100 | | | | | |
| | | Ethernet Cable Role | Local/Imported | 1 | | | | | |
| | | Network Cable Tester | Local/Imported | 10 | | | | | |
| | | Cable Crimper | Local/Imported | 10 | | | | | |

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|---|---|---|---|---|---|---|---|---|
| | | Cable Peeler/ Puncture tool | Local/Imported | 10 | | | | |
| | | RJ-45 female Connector | Local/Imported | 100 | | | | |
| 3 | Power Supply | Power Supply | Local/Imported | 15 | | | | |

# PROCUREMENT OF MEDICAL & LAB EQUIPMENT

## Psychology Department

**List of Testing Lab Equipment for BS/MS**

| S/No | Name of Equipment | Specifications | Required Brand | Quantity | Unit Price (w/o GST) | 17% GST | Unit Price with GST | G. Total (with GST) |
|---|---|---|---|---|---|---|---|---|
| 1 | Depth Perception Box | ➤ Materials: stainless steel, aluminum, HDPE, and Plexiglass<br>➤ Dimensions (H x W x D): 11'' x 10'' x 27''<br>➤ Current: 10 amps / 220 - 110Volts 60 Hz<br>➤ Weight: approximately 24.3 pounds (11 kg)<br>➤ Accuracy: 1mm – 0.5mm<br>➤ Ports: USB (B)<br>➤ High Intensity calibrated white LED<br>➤ Available for 110V and 220V countries | Local/Imported | 5 | | | | |
| 2 | Memory Drum | Wooden Base<br>Measurement: 30 cm x 56 cm x 47 cm; 11 13/16 in x 22 1/16 in x 18 1/2 in | Local/Imported | 10 | | | | |
| 3 | Illusion Cards | 1 Dimensional<br>Card board material<br>Measurement: 4x4 inches | Local/Imported | 30 | | | | |
| 4 | Pencil Maze | Wooden/aluminium<br>Stylus included | Local/Imported | 10 | | | | |
| 5 | Electronic Tachistoscope | Stim time for display of light on screen from 0.1 to 6.0 sec.<br>15 spare slides comprising of words.<br>Slide box detatchable.<br>LED bargraph system in slide box.<br>Digital timer to select time.<br>Slides in plastic material. | Local/Imported | 3 | | | | |

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|---|---|---|---|---|---|---|---|---|
| 6 | Phi-Phenomenon | Time, distance & Light intensity variable. Time interval variable from 15 to 400 milliseconds. | Local/Imported | 3 | | | | |
| 7 | Metronome | Material: Stainless Steel<br>Display type: Analog<br>Grade: Automatic<br>Power: 1.5V | Local/Imported | 2 | | | | |
| 8 | Stop Watch | Digital<br>Battery powered | Local/Imported | 10 | | | | |
| 9 | Spiral Color Rotar | | Local/Imported | 2 | | | | |
| 10 | Interval timer | Digital Timer<br>LED display<br>Battery Powered<br>Includes alarm | Local/Imported | 10 | | | | |
| 11 | Aesthesiometer | Baseline Aesthesiometer - Plastic - 2-point Discriminator:<br>Evaluate cutaneous sensitivity and touch threshold.<br>Plastic points minimize influence of temperature.<br>Measures up to 14 centimeter discrimination. | Local/Imported | 5 | | | | |
| 12 | Audio Signal Recorder | Gapless recording of wideband & narrowband signals<br>Instantaneous bandwidth: 600MHz & 2-70MHz options<br>Real-time spectrum monitor to detect & record unknown signals<br>Never miss a signal thanks to large pre-trigger buffer<br>Remote control<br>Enterprise grade storage | Local/Imported | 5 | | | | |
| 13 | Polygraph | Material        Stainless Steel<br>Voltage         230 V<br>Frequency      50 Hz<br>Phase   Single Phase | Local/Imported | 2 | | | | |

| | | Power 12 W | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 14 | Critical Flicker Fusion Apparatus | Electronic<br>Red flickering field of 10 mm diameter with white surround.<br>Digital display of flicker frequency.<br>Least count 0.1 cycle.<br>Light to dark ratio of each cycle is adjustable from 1:9 to 9:1. | Local/Imported | 10 | | | | |
| 15 | Audio meter | | Local/Imported | 5 | | | | |
| 16 | Human Skeleton | | Local/Imported | 5 | | | | |
| 17 | T-Maze | **T maze for Mice**<br>Arms: 30 x 6 x 15 cm (12 x 2.5 x 6 in) (L x W x H).<br><br>**T maze for Rat**<br>Arms: 50 x 10 x 25 cm (20 x 4 x 10 in) (L x W x H)<br><br>**T maze for Rat**<br>Arms: 50 x 15 x 45 cm (20 x 6 x 18 in) (L x W x H). | Local/Imported | 5 | | | | |
| 18 | Blind Spot Apparatus | | Local/Imported | 20 | | | | |
| 19 | Exposure Board | Wooden/Aluminum | Local/Imported | 30 | | | | |
| 20 | Perimeter | | Local/Imported | 10 | | | | |
| 21 | After Image Cards | 1 Dimensional<br>Card board material<br>Measurement: 4x4 inches | Local/Imported | 50 | | | | |
| 22 | Form Boards | Contain patterns, wooden boxes<br>Spatula included | Local/Imported | 20 | | | | |

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|---|---|---|---|---|---|---|---|---|
| 23 | Brain Model | Ceramic<br>Separate assembly and detachable<br>Locally made | Local/Imported | 5 | | | | |
| 24 | Ear Model | Ceramic<br>Separate assembly and detachable | Local/Imported | 5 | | | | |
| 25 | Eye Model | Ceramic<br>Separate assembly and detachable<br>Locally made | Local/Imported | 5 | | | | |
| 26 | Mirror Drawing Apparatus | Box Type using printed star patterns<br>An adjustable screen<br>Slide-in mirror | Local/Imported | 10 | | | | |
| 27 | TAT Cards | Include 31 Picture Cards (Print) and Manual (Print) | Local/Imported | 2 | | | | |
| 28 | Muller lyer cards | 1 Dimensional<br>Card board material<br>Measurement: 4x4 inches | Local/Imported | 20 | | | | |
| 29 | Reaction Time (Electrical) | For visual and auditory stimuli<br>Include response keys and light signal<br>Power: 230V<br>Include Chronoscope | Local/Imported | 10 | | | | |
| **List of Psychological Assessment Tools.** | | | | | | | | |
| 1. | Wechsler Adult Intelligence Scale- IV (WAIS-IV) complete kit (Hard case) | Administration and Scoring Manual, Technical Manual, Stimulus Books, Record Forms, Response Booklet #1,  Response Booklet #2,Symbol Search Scoring Key, Coding Scoring Key, Cancellation Scoring Templates, Block Design Cubes in a box. | UK based | 01 | | | | |
| 2. | Wechsler Intelligence Scale for Children – IV (WISC-IV) complete kit hard case | Administration and Scoring Manual, Technical and Interpretive Manual,<br>Stimulus Books 1-3, Record Forms, Response Booklets #1, Response Booklets #2, Symbol Search Scoring Key, Coding Scoring Key, Cancellation | Pakistan | 01 | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | Scoring Template, and Wechsler Standard Block Design Set, all in a hard case | | | | | | | |
| 3. | Wechsler Preschool and Primary Scale of Intelligence (WPPSI-IV) | Admin/Scoring Manual, Tech/Interpretive Manual, 3 Stimulus Books, Record Forms each of two age groups, Response Booklet 1, 2 and 3, Scoring Keys, Block Set, Puzzle Set, Zoo Location Set, and 2 Daubers. | UK based | 01 | | | | | |
| 4. | Raven's Progressive Matrices | | | | | | | | |
| 5. | Standard Progressive Matrices | overview Manual, SPM Section Manual (admin and scoring), Easy Score answer sheets and 1 Test | UK based | 01 | | | | | |
| 6. | Colored Progressive Matrices | overview Manual, SPM Section Manual (admin and scoring), Easy Score answer sheets and 1 Test Booklet | UK based | 01 | | | | | |
| 7. | Advanced Progressive Matrices | overview Manual, APM Admin and scoring Manual, Easy Score answer sheets, test booklet Set 1 and test booklet Set 2 | UK based | 01 | | | | | |
| 8. | Conners 3 Rating Scales | Hard copy of parent, teacher and self scoring | UK based | 01 | | | | | |
| 9. | Wisconsin Card Sorting Test (WCST) | WCST Manual–Revised and Expanded, Card Decks, and Record Booklets | US based | 01 | | | | | |
| 10. | Bender Visio-motor gestalt test 2 | Complete kit | UK based | 01 | | | | | |
| 11. | Benton visual retention test 5th ed. Complete kit | manual, stimulus booklet (all 30 designs), scoring template and response booklets/record forms | UK based | 01 | | | | | |

# PROCUREMENT OF MEDICAL & LAB EQUIPMENT

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|---|---|---|---|---|---|---|---|---|
| 12. | 16 Personality Factors 5<sup>th</sup> edition | Manual (Print), Answer Sheets (Print),  Test Booklet (Print), and report usages | UK based | 01 | | | | |
| 13. | Minnesota Multiphasic Personality Inventory-MMPI-2-RF | Administrative and Technical Manuals, Answer Sheets, all 5 sets of Profile Forms, all 5 sets of Answer Keys,  Test Booklets | UK based | 01 | | | | |
| 14. | House-Tree-Person Test | *H-T-P/D-A-P Manual,  A Quantitative Scoring System* and Scoring Booklets | US based | 01 | | | | |
| 15. | Rotter's Incomplete Sentence Blank 2 | RISB-2 Manual (Print)<br>RISB-2 College Response Sheets<br>RISB-2 School Response Sheets<br>RISB-2 Adult Response Sheets | UK based | 01 | | | | |