

SUPPLY, DELIVERY AND INSTALLATION OF VARIOUS LABORATORY EQUIPMENT  
(College of Nursing- 5 LOTS)

<b>A</b>	<b>Anatomical Teaching Models (20 items)</b>	694,710.00
<b>B</b>	<b>Midwifery Laboratory Simulators (3 items)</b>	858,600.00
<b>C</b>	<b>Basic Medical Laboratory Apparatus and Equipment (28 items)</b>	268,190.00
<b>D</b>	<b>Other Laboratory Fixtures (5 items)</b>	187,500.00
<b>E</b>	<b>Laboratory Equipment [per item bid]</b>	991,000.00
<b>TOTAL</b>		<b>3,000,000.00</b>

**A Anatomical Teaching Models (20 Items)**

Item No.	QTY	UOM	PARTICULAR	UNIT COST	TOTAL COST
			<b>Training Manikin</b>		
1	1	unit	<ul style="list-style-type: none"> <li>• Professional family pack</li> <li>• Color: Medium skin</li> <li>• As pack (at least): 2 Adult Manikins with CPR Monitors</li> <li>1 Child Manikin with CPR Monitor</li> <li>2 Infant Manikins with CPR Monitors</li> <li>20 Adult Face Shield Lung Bags</li> <li>10 Child Face Shield Lung Bags</li> <li>20 Infant Face Shield Lung Bags</li> <li>Instruction Sheet</li> <li>1 Nylon Carrying Case</li> <li>• Can perform and practice of Heimlich maneuver and abdominal thrusts, as well as CPR and mouth-to-mouth breathing</li> <li>• With realistic anatomical markings (Adam's apple, carotid arteries, navel, rib cage, chest notch)</li> <li>• Must be approved for use by American Heart Association for the American Red Cross layperson and professional rescuer training courses</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> <li>• 3 parts total – 2 removable sections (middle ear eardrum piece with auditory ossicles malleus/incus/stapes and entire internal ear piece with labyrinth of cochlea, semicircular canals, vestibular nerve) for close-up examination</li> <li>• Removable pieces held in place by molded cavities for easy removal and replacement</li> </ul>	63,000.00	63,000.00
			<b>Training Manikin</b>		
2	1	unit	<ul style="list-style-type: none"> <li>• Adult Cardiopulmonary Resuscitation (CPR)-Automated External Defibrillator (AED) Training Manikin without CPR Monitor</li> <li>• Color: Light Skin Color Tone, Adult size manikins</li> <li>• Weight: Approx. 35 pounds, Dimension: approx. 30 x 15 x 26 inches</li> <li>• Must be fully compliant with American Heart Association Guidelines</li> <li>• With pinch-able noses and fully formed neck portion</li> <li>• With clicker mechanism when administering adequate compressions</li> <li>• Can be battery-operated</li> <li>• Manikins must be capable of being cleaned and decontaminated per CDC guidelines</li> </ul>	55,000.00	55,000.00
			<b>Anatomical teaching model (Classic Skeleton)</b>		
3	1	unit	<ul style="list-style-type: none"> <li>• Classic Skeleton</li> <li>• Weight approx. : 11 pounds, Dimension: approx. 38 x 11 x 18 inches</li> <li>• Material: High Quality PVC and flexible wires</li> <li>• Can depict the anatomical structures of the human body in life size</li> <li>• With attached ribs and arms, a skull model with detachable skull cap, detached legs, and a wheeled standtransverse processes and spine cuts</li> <li>• With wheeled stand that can hold the model at approx. 180 cm</li> <li>• Anatomically accurate human skull model with detachable jaw and skull cap, spine model with cartilage connections and artery and nerve branches, pelvic model, and arms and legs</li> </ul>	78,210.00	78,210.00
			<b>Anatomical teaching model (Classic Flexible Spine Model with Femur Heads and Painted Muscle)</b>		
4	1	unit	<ul style="list-style-type: none"> <li>• Classic Flexible Spine Model with Femur Heads and Painted Muscle</li> <li>• Natural size, approx. height 83 cm</li> <li>• Material: High Quality PVC</li> <li>• Can display a variety of pathological malformations (spine scoliosis, lordosis, kyphosis)</li> <li>• 1:1 life size 83 cm spine model will show in great detail all the main features of each spine, including the spine, nerve roots, vertebral arteries, intervertebral discs, spinal transverse processes and spine cuts</li> <li>• With a 29-inch-high hard spine, pelvis, humerus, occipital bone, vertebral artery, nerve artery, and lumbar disc</li> <li>• Base: 34-inch high-grade luxury iron base</li> </ul>	15,000.00	15,000.00

			<b>Anatomical teaching model (Male Pelvis)</b>		
5	1	unit	<ul style="list-style-type: none"> <li>• Male Pelvis</li> <li>• Weight: Approx. 3 kg</li> <li>• Dimensions: approx. 32 x 16 x 35 cm</li> <li>• Material: High Quality PVC</li> <li>• Human pelvis model</li> <li>• Median-sectioned human male pelvis model</li> </ul>	16,500.00	16,500.00
			<b>Anatomical teaching model (Female Pelvis)</b>		
6	1	unit	<ul style="list-style-type: none"> <li>• Female Pelvis</li> <li>• Weight: Approx. 3 kg</li> <li>• Dimensions: approx. 32 x 16 x 35 cm</li> <li>• Material: High Quality PVC</li> <li>• Human pregnancy pelvis model</li> <li>• Median-sectioned human female pelvis model</li> </ul>	16,500.00	16,500.00
			<b>Anatomical teaching model (Eye)</b>		
7	1	unit	<ul style="list-style-type: none"> <li>• Eye</li> <li>• Weight: Approx. 15 ounces, Dimensions: approx. 7.5 x 6 x 6 inches</li> <li>• Material: High Quality PVC</li> <li>• Seven-part human eye model</li> <li>• Removable sclera upper half with cornea and eye muscle attachments, both choroids halves with iris and retina, lens, and vitreous humor</li> <li>• With removable sclera upper half with cornea and eye muscle attachments, both choroids halves with iris and retina, lens, and vitreous humor for detailed examination</li> </ul>	8,500.00	8,500.00
			<b>Anatomical teaching model (Heart)</b>		
8	1	unit	<ul style="list-style-type: none"> <li>• Heart</li> <li>• Weight: Approx. 8 ounces</li> <li>• Dimensions: approx 4.5 x 4.5 x 9 inches</li> <li>• Material: High Quality PVC</li> <li>• Sections of heart numbered 1-34 and includes chart with corresponding numbers to the heart diagram</li> <li>• Skull should be 3-part, left hand and left foot are on wire</li> <li>• Front removable section can provide access to chambers, valves, and major vessels; Held together with hidden magnets so the front wall of heart can be removed and replaces easily</li> </ul>	28,000.00	28,000.00
			<b>Anatomical teaching model (Skin)</b>		
9	1	unit	<ul style="list-style-type: none"> <li>• Skin</li> <li>• Weight: Approx. 2.2 pounds</li> <li>• Material: High Quality PVC</li> <li>• Two parts of the skin and two parts of the leather, a total of four components, subcutaneous tissue and deep tissue connected, and show the epidermis, dermal tissue hierarchy and the subcutaneous tissue and skin appendages (Including hair, sebaceous glands, sweat glands and nerve endings) and other structures</li> </ul>	18,500.00	18,500.00
			<b>Anatomical teaching model (Nuero Anatomical Brain)</b>		
10	1	unit	<ul style="list-style-type: none"> <li>• Nuero Anatomical Brain</li> <li>• Weight: Approx. 600g, Size: 10x10x15 cm</li> <li>• Material: High Quality PVC</li> <li>• On the right half of the brain, you will find a colored, systematic grouping and representation of the cerebral lobe</li> <li>• The left half of the brain shows: Pre- and post-central region, Broca and Wernicke areas, Heschl's gyrus, Brain nerves</li> <li>• 1/2 life-size relief model of the human circulatory system details the following anatomical structures: The arterial/venous system, Heart, Lung, Liver, Spleen, Kidneys</li> <li>• Ventricles Both halves of this brain can be disassembled into: Frontal with parietal lobes, Temporal with occipital lobes, Half of brain stem, Half of cerebellum</li> </ul>	31,000.00	31,000.00

			<b>Anatomical teaching model (Digestive System)</b>		
11	1	unit	<ul style="list-style-type: none"> <li>• Digestive System</li> <li>• Material: painted PVC</li> <li>• Size: Approx. 36 x 17 x 11 inches</li> <li>• Weight: Approx. 30 pounds</li> <li>• Anatomy model must set include 27 parts, 203+ numbered areas, and an organ diagram study guide for easy identification</li> <li>• 27 part anatomy and physiology models include a main body, portion of brain, left eye, front and back sections of right and left lungs, descending thoracic aorta, esophagus, 2 part heart, liver, 2 part stomach, intestinal tracts, portion of caecum, pancreas and spleen, portion of kidney, vertebrae, 4 part female reproductive organs, 4 part male reproductive organs</li> <li>• Open back allows for examination of the vertebral column, spinal cord, and nerve endings</li> <li>• The torso anatomy organs should utilize a combination of hooks and hidden magnets to keep the torso together, making assembly a snap</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> </ul>	37,000.00	37,000.00
			<b>Anatomical teaching model (Dual Sex Urinary System)</b>		
12	1	unit	<ul style="list-style-type: none"> <li>• Dual Sex Urinary System, 6 part</li> <li>• Material: painted PVC</li> <li>• Size: Approx. 90x30x12cm</li> <li>• Weight: Approx. 6kgs</li> <li>• Depicts structures of retroperitoneal cavity, large and small pelvis with bones and muscles, inferior vena cava, aorta with its branches including iliacal vessels, upper urinary tract, rectum, kidney with adrenal gland. The front half of the right kidney should be removable</li> <li>• With easy-to-change male insert (bladder and prostate, front and rear half) and female insert (bladder, womb and ovaries, two lateral halves)</li> <li>• Mounted to board approximately 16" x 12" x 6"</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> </ul>	40,500.00	40,500.00
			<b>Anatomical teaching model (Disarticulated Full Skeleton )</b>		
13	1	unit	<ul style="list-style-type: none"> <li>• Disarticulated full skeleton, Male, Life size</li> <li>• Weight: Approx. 8 kg</li> <li>• Material: High Quality PVC</li> <li>• With 23 intervertebral discs, 3 Part Skull with Movable Jaw, Left Hand and Foot Jointed</li> <li>• Skull should be 3-part, left hand and left foot are on wire</li> <li>• 1/2 life-size relief model of the human circulatory system details the following anatomical structures: The arterial/venous system, Heart, Lung, Liver, Spleen, Kidneys</li> <li>• Bones should cast from real adult specimen</li> </ul>	33,000.00	33,000.00
			<b>Anatomical teaching model (Lung with Larynx )</b>		
14	1	unit	<ul style="list-style-type: none"> <li>• Lung with larynx</li> <li>• Material: painted PVC</li> <li>• Size: Approx. 90x30x12cm</li> <li>• Weight: Approx. 6kgs</li> <li>• Depicts complete blood circulation system in veins and arteries for detailed examination</li> <li>• 1/2 life-size relief model of the human circulatory system details the following anatomical structures: The arterial/venous system, Heart, Lung, Liver, Spleen, Kidneys</li> <li>• Mounted to board approximately 22" x 12"</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> </ul>	33,000.00	33,000.00
			<b>Anatomical teaching model (Circulatory System)</b>		
15	1	unit	<ul style="list-style-type: none"> <li>• Circulatory System</li> <li>• Material: painted PVC</li> <li>• Size: Approx. 90x30x12cm</li> <li>• Weight: Approx. 6kgs</li> <li>• Depicts complete blood circulation system in veins and arteries for detailed examination</li> <li>• 1/2 life-size relief model of the human circulatory system details the following anatomical structures: The arterial/venous system, Heart, Lung, Liver, Spleen, Kidneys</li> <li>• Mounted to board approximately 22" x 12"</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> </ul>	23,500.00	23,500.00

			<b>Anatomical teaching model (Kidney with Rear Organs of the Upper Abdomen)</b>		
16	1	unit	<ul style="list-style-type: none"> <li>• Kidney with Rear Organs of the Upper Abdomen</li> <li>• Material: painted PVC</li> <li>• Size: Approx. 20 x 15 x 7 cm</li> <li>• Weight: Approx. 0.6 kgs</li> <li>• Front half of Kidney is removable to reveal: Renal pelvis, Renal calices, Renal cortex, Renal medulla</li> <li>• Upper abdomen will show: Duodenum (partially opened), Gall bladder (opened), Bile ducts (opened), Pancreas (revealing large ducts), Spleen and the surrounding vessels in natural size</li> <li>• Mounted to board approximately 22" x 12"</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> <li>• Removable pieces held in place by molded cavities for easy removal and replacement</li> </ul>	21,000.00	21,000.00
			<b>Anatomical teaching model (Liver with Gallbladder, Pancreas, Duodenum)</b>		
17	1	unit	<ul style="list-style-type: none"> <li>• Liver with Gallbladder, Pancreas, Duodenum</li> <li>• Material: painted PVC</li> <li>• Size: Approx. 20x16x31cm</li> <li>• Weight: Approx. 1.6 kg</li> <li>• Must present partial liver, complete pancreas, spleen, gall, inferior vena cava, abdominal aorta and complete stomach anatomy</li> <li>• Mounted to board approximately 22" x 12"</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> <li>• Removable pieces held in place by molded cavities for easy removal and replacement</li> </ul>	10,000.00	10,000.00
			<b>Anatomical teaching model (Kidney section, nephron and blood)</b>		
18	1	unit	<ul style="list-style-type: none"> <li>• Kidney section, nephron and blood</li> <li>• Material: painted PVC</li> <li>• Size: Approx. 23.5 x 13 x 3 inches</li> <li>• Weight: Approx. 6 pounds</li> <li>• 3 break outs - Kidney section, 3 times life size, Nephrons and blood vessels 120 times life size, and kidney glomerulus opened, 700 times life size</li> <li>• Mounted to board approximately 22" x 12"</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> <li>• Removable pieces held in place by molded cavities for easy removal and replacement</li> </ul>	30,000.00	30,000.00
			<b>Anatomical teaching model (Ear)</b>		
19	1	unit	<ul style="list-style-type: none"> <li>• Ear</li> <li>• Material: painted PVC</li> <li>• Size: Approx. 28 cm x 20 cm x 21cm overall</li> <li>• Weight: Approx. 900g</li> <li>• Life size ear model, 3D model</li> <li>• Right ear: 22 sections are labeled for external, middle, and internal ear landmarks</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> <li>• 3 parts total – 2 removable sections (middle ear eardrum piece with auditory ossicles malleus/incus/stapes and entire internal ear piece with labyrinth of cochlea, semicircular canals, vestibular nerve) for close-up examination</li> <li>• Removable pieces held in place by molded cavities for easy removal and replacement</li> </ul>	12,500.00	12,500.00
			<b>Anatomical teaching model (Head and Neck)</b>		
20	1	unit	<ul style="list-style-type: none"> <li>• Head and Neck</li> <li>• Median Section of 1:1 Lifesize Human Head &amp; Neck</li> <li>• Material: PVC</li> <li>• Red line: Artery, Blue line: Vein, Yellow line: Nerve</li> <li>• Size: Approx. 27 x 20 x 10cm</li> <li>• Weight: Approx. 900g</li> <li>• Life size head model with musculature</li> <li>• Splits along the sagittal plane</li> <li>• One side: internal anatomy, the other: muscular and vascular anatomy</li> <li>• Must be corrosion resistant, lightweight, and has high strength</li> </ul>	124,000.00	124,000.00

**SUB-TOTAL**

**694,710.00**

**B Midwifery Laboratory Simulators (3 Items)**

Item No.	QTY	UOM	PARTICULAR	UNIT COST	TOTAL COST
			<b>Maternal Birthing Simulator</b>		
1	1	unit	<ul style="list-style-type: none"> <li>• Full size, articulating, full-body female</li> <li>• Intubatable airway with chest rise</li> <li>• Internal power supply 240 VAC</li> <li>• With the following features: IV arm for meds/fluids, removable stomach cover, practice Leopold Maneuvers, multiple fetal heart sounds, automatic birthing system, measure head descent and cervical dilation</li> <li>• Can depict full-body newborn airway trainer, articulating birthing fetus, two umbilical cords, two dilating cervixes, two umbilical clamps, two vulval inserts, three vulvae for postpartum suturing</li> <li>• Can provide a complete birthing simulation experience before, during and after delivery</li> </ul>	624,000.00	624,000.00
			<b>Episiotomy and Suturing Simulator</b>		
2	1	unit	<ul style="list-style-type: none"> <li>• Weight approx 0.6 kg</li> <li>• Dimensions approx. 20 x 14 x 6.5 cm</li> <li>• Material: Latex-free, silicone-based material</li> <li>• Can demonstrate median episiotomy, mediolateral episiotomy, lateral episiotomy, vaginal and labial tears</li> <li>• Muscle structures can be palpated and sutured in the perineal area: M. sphincter ani externus (outer anal sphincter muscle), M. transversus perinei superficialis (superficial transverse perineal muscle), M. bulbospongiosus (bulbospongiosus muscle)</li> <li>• Must with silicone insert, base and stand</li> </ul>	21,600.00	21,600.00
			<b>Birthing Station Simulator</b>		
3	1	unit	<ul style="list-style-type: none"> <li>• Dimensions: Simulator (H x W x D) Approx. 34 x 52 x 44 cm</li> <li>• Operating temperature: -10°C to 40°C, Power supply: 230VAC</li> <li>• Storage temperature: -20 °C to +60 °C, with carrying bag, instruction manual</li> <li>• With demonstration of the anatomy of the female pelvis and the various positions of the baby before and during birth</li> <li>• Can perform skill training in normal deliveries, in complicated deliveries and in obstetric emergencies,</li> <li>• Manual maneuvers affect the fetus in-utero and train the following delivery skills and techniques: Normal vaginal delivery, Normal delivery of umbilical cord and placenta, Palpation and assessment of fetal position and presentation, Diagnosis of all normal and abnormal fetal positions and presentations (like face, neck, or brow) to represent routine and difficult deliveries, Intrauterine manipulation of fetus, Shoulder dystocia demonstration and management, Breech deliveries (including complete, footling or incomplete, and frank breech presentation), Palpation of fetal fontanelles features, Complete and incomplete placenta birth, Demonstration of placenta previa: total, partial, and marginal, Prolapse of umbilical cord and more</li> </ul>	213,000.00	213,000.00

**SUB-TOTAL**

**858,600.00**

**C Basic Medical Laboratory Apparatus and Equipment (28 Items)**

Item No.	QTY	UOM	PARTICULAR	UNIT COST	TOTAL COST
			<b>Electric Stove</b>		
1	5	unit	<ul style="list-style-type: none"> <li>• Double heavy-duty heating plate</li> <li>• Heating Plate: Cast Iron</li> <li>• Chemical resistance and durable construction</li> <li>• Excellent temperature uniformity</li> <li>• Temperature level selection with thermostat</li> <li>• Pilot lamp for power on</li> <li>• Easy to clean body and heating surface</li> <li>• Max 500C surface temperature</li> </ul>	6,000.00	30,000.00
			<b>BP Apparatus</b>		
2	1	unit	<ul style="list-style-type: none"> <li>• Set of Aneroid Sphygmomanometer with stethoscope and wheels</li> <li>• Durable adult inflation system</li> <li>• Authentic luminous dial face</li> <li>• Long lasting thicker rubber bladder</li> </ul>	11,000.00	11,000.00
			<b>Laryngoscope</b>		
3	1	unit	<ul style="list-style-type: none"> <li>• Adult, conventional, set with bulb and battery-operated</li> <li>• Material: Stainless steel, Color: Silver</li> <li>• Length: 100-160 mm</li> <li>• Handle: Big Handle &amp; Small Handle</li> <li>• Mac Blades Size: No. 0, 1, 2, 3, 4, 5</li> <li>• 1-Handle, 2-4 Blades, Size -1/2/3/4</li> <li>• Reusable, Sterilizable</li> <li>• Replaceable screw-in lamps</li> </ul>	8,000.00	8,000.00

			<b>Laryngoscope</b>		
4	1	unit	<ul style="list-style-type: none"> <li>• Pedia, conventional, set with bulb and battery-operated</li> <li>• Material: Stainless steel, Color: Silver</li> <li>• Length: 100-160 mm, Handle: Big Handle &amp; Small Handle</li> <li>• Miller Blades Size: 00, 0, 1, 2, 3, 4</li> <li>• 1-Handle, 2-4 Blades, Size -1/2/3/4</li> <li>• Reusable, Sterilizable</li> <li>• Replaceable screw-in lamps</li> </ul>	7,400.00	7,400.00
			<b>Wheelchair</b>		
5	2	unit	<ul style="list-style-type: none"> <li>• Weight Capacity 140kg</li> <li>• Weight Without Wheels 17.5 lbs.</li> <li>• Seat Width 16" - 20</li> <li>• Pop-off rear wheels</li> <li>• Desk-top Length Armrests</li> <li>• Adjustable Backrest</li> <li>• Quick-Release Wheels</li> <li>• Swing-away Detachable Footrests</li> <li>• Ergonomic Comfort Grip Handles</li> <li>• Anti-tippers</li> </ul>	3,500.00	7,000.00
			<b>Thermometer</b>		
6	5	unit	<ul style="list-style-type: none"> <li>• Non-contact infrared thermometer</li> <li>• Memory data available</li> <li>• Triple A batteries operated</li> <li>• &lt;2 secs response time</li> <li>• Long standby time</li> </ul>	1,000.00	5,000.00
			<b>Crutch</b>		
7	1	unit	<ul style="list-style-type: none"> <li>• Material: Aluminum, Handle material: Plastic</li> <li>• Weight: 2700 gms</li> <li>• E.R.W. Pipe 15.5 mm and 19 x 19 mm, Lightweight, Rust Proof Electroplated or Powder Coated, Cushion</li> <li>• Lightweight, Rust Proof Electroplated or Powder Coated, Cushion</li> </ul>	870.00	870.00
			<b>Pulse oximeter</b>		
8	1	unit	<ul style="list-style-type: none"> <li>• Adult</li> <li>• 1.3' double Color OLED display, resolution 160*64</li> <li>• Spo2 : 35~99% Pulse Ratio : 30~250BPM</li> <li>• Resolution: 1% for SPO2, 1BPM for pulse ratio</li> <li>• Accuracy: ±2% (70% ~ 99%), unspecified (&lt;70%) for SPO2, ±2BPM or ±2% (select larger) for pulse ratio</li> <li>• Power: 1.5V (AAA size) alkaline batteries × 2</li> <li>• Can work more than 30 hours continuously</li> </ul>	1,000.00	1,000.00
			<b>Pulse oximeter</b>		
9	1	unit	<ul style="list-style-type: none"> <li>• Pedia with SP02 measuring range: 0% ~ 99%</li> <li>• Pulse rate measuring range: 30bpm ~ 250bpm</li> <li>• 3.6 V DC ~ 4.2V DC Rechargeable battery (installed) with USB PC/wall charger</li> <li>• With oximeter case</li> <li>• Heart beat displayed as bar graph or wave form</li> <li>• With auditory alarm, heart beat tracking sound</li> <li>• Indicator for low power</li> <li>• Automatic shut-off for when no finger is detected</li> </ul>	2,500.00	2,500.00
			<b>Intravenous (IV) stand</b>		
10	2	unit	<ul style="list-style-type: none"> <li>• IV pole material: Stainless steel</li> <li>• Base: High quality medical polymer</li> <li>• Adjustable range: 2000mm</li> <li>• Can fix the different sizes of infusion bottle concurrently such as 1000ml, 500ml and 250ml</li> </ul>	1,500.00	3,000.00
			<b>Rubber sheet</b>		
11	5	unit	<ul style="list-style-type: none"> <li>• Material: Soft rubber</li> <li>• Roll length : 5 meter to 35 meter</li> <li>• Washability: With cold water and mild soap</li> </ul>	380.00	1,900.00
			<b>Penlight</b>		
12	2	unit	<ul style="list-style-type: none"> <li>• LED Penlights</li> <li>• Battery-operated, AAA</li> <li>• With pupil gauge and a 5cm-ruler</li> <li>• With push-button on/off switches with pocket clip</li> <li>• Lightweight, convenient, easy to carry</li> </ul>	1,200.00	2,400.00
			<b>BP apparatus w/ stethoscope</b>		

13	8	unit	<ul style="list-style-type: none"> <li>•Set of Aneroid Sphygmomanometer with stethoscope</li> <li>•Handy zipper case</li> <li>•Durable adult inflation system</li> <li>•Authentic luminous dial face</li> <li>•Long lasting thicker rubber bladder</li> </ul>	650.00	5,200.00
			<b>Reflex hammer</b>		
14	6	unit	<ul style="list-style-type: none"> <li>• Neurological reflex hammer</li> <li>• Material: stainless steel</li> <li>• Size: Approx about 18cm</li> </ul>	250.00	1,500.00
			<b>Bathroom weighing scale</b>		
15	4	unit	<ul style="list-style-type: none"> <li>• Manual body weight scale</li> <li>• 3-layer stainless steel knock down rack</li> <li>• High accuracy</li> <li>• Long operational life</li> <li>• Easy to use and maintain</li> </ul>	650.00	2,600.00
			<b>Suction machine</b>		
16	2	unit	<ul style="list-style-type: none"> <li>• Portable</li> <li>• Max. Vacuum Pressure: 0.08Mpa, Max. Air Flow: 25L/min</li> <li>• Max. Jar capacity: 1400ml</li> <li>• Vacuum Gauge Range 0.00Mpa ~ 0.1Mpa (0psi ~14psi)</li> <li>• Vacuum Control Range 0.02Mpa ~ 0.08Mpa</li> <li>• Power Consumption 130 W</li> <li>• Noise Level &lt;50dB(A)</li> </ul>	5,000.00	10,000.00
			<b>Nebulizer machine</b>		
17	3	unit	<ul style="list-style-type: none"> <li>• Size: approx. 20 cm x 10 cm x 18 cm</li> <li>• Weight: approx 2 kg</li> <li>• Electrical Requirements: 1.4 amps, 230 VAC (<math>\pm 10\%</math>) 50 Hz</li> <li>• Sound Level: 58-62 dBA</li> <li>• Power Consumption: 140-160 watts maximum</li> <li>• Maximum Compressor Pressure: 241 kPa</li> <li>• Storage/Transport Temperature Range: -40° to +70°C</li> </ul>	5,000.00	15,000.00
			<b>Kelly pad</b>		
18	10	unit	<ul style="list-style-type: none"> <li>• Material: High quality rubber</li> <li>• Thickness: up to 15 mm</li> <li>• High quality, durable</li> </ul>	1,000.00	10,000.00
			<b>Draw sheet</b>		
19	9	set	<ul style="list-style-type: none"> <li>• Material: Laminated PVC</li> <li>• Size: 36"x36" and 54"x36"</li> <li>• Color: Blue</li> </ul>	580.00	5,220.00
			<b>Stretcher</b>		
20	4	unit	<ul style="list-style-type: none"> <li>• Stretcher trolley, standard steel</li> <li>• Stretcher size in cm- 182 (L) x 56 (W)</li> <li>• Size in cm- 210 (L) x 67 (W) x 65/85 (H)</li> <li>• Out of four castor wheels, two have breaks</li> </ul>	8,500.00	34,000.00
			<b>Complete Staining assembly</b>		
21	3	set	<ul style="list-style-type: none"> <li>• Complete Assembly includes rack/handle, dish and cover</li> <li>• Staining Rack is made from stainless steel and holds up to 30 slides; maximum slide size is 75 x 50mm</li> <li>• Staining Dish is made from non-autoclavable glass with inside dimensions of 110 x 92 x 67mm</li> <li>• Staining dish holds up to 350ml of solution with a fully loaded staining rack</li> <li>• Staining Dish Cover is made from stainless steel</li> </ul>	10,000.00	30,000.00
			<b>Tissue Cassettes</b>		
22	5	box	Made of acetal polymer 500's (1 box). Disposable plastic tissue cassettes suitable for holding and identifying tissue samples in processing, embedding, and sectioning procedures. These cassettes should keep specimens safely submerged in liquid and are totally resistant to the chemical action of histological solvents. The latch and lock design should prevent early separation of base and lid and allows for one-hand operation. Lids can be opened and closed as often as necessary and will always relock securely without danger of specimen loss. Large labeling areas are located on two sides of the cassettes. Anterior writing area is at a 35° angle.	3,000.00	15,000.00

			<b>Embedding Molds</b>		
23	5	pack	<ul style="list-style-type: none"> <li>•For specimen embedding</li> <li>•Height (Metric): 0.5cm</li> <li>•Material: Stainless Steel</li> <li>•Highly polished surface</li> <li>•Superior thermal exchange</li> <li>•Well corners are rounded for optimal paraffin ribboning</li> <li>•10's (1 pack)</li> <li>•Dimension (LxWxH): 7x7x5 mm; 15x15x5 mm; 24x24x5 mm; 30x24x5 mm (5 packs each size)</li> </ul>	3,000.00	15,000.00
			<b>Hemacytometer</b>		
24	5	unit	<ul style="list-style-type: none"> <li>•Improved Neubauer ruling</li> <li>•Grid Type: Bright Line</li> <li>•Volume: 0.1µL</li> <li>•Depth: 0.01cm</li> <li>•Material: Borosilicate Glass</li> </ul>	3,000.00	15,000.00
			<b>Petri Dish</b>		
25	27	unit	<ul style="list-style-type: none"> <li>•Clear culture dish (top and bottom) that will withstand repeated sterilization (wet or dry).</li> <li>•With beaded edges to provide greater mechanical strength and reduce capillary action of condensed moisture.</li> <li>•Top dish is marked in blue enamel, bottom dish marked in white, for easier sorting.</li> <li>•material: borosilicate glass</li> <li>•sterility: non-sterile</li> <li>•size: 60 mm x 15 mm (D x H)</li> </ul>	300.00	8,100.00
			<b>Evacuated Tube</b>		
26	10	pack	vacuum blood collection tube (5mL except Citrate tube - 1.8 ml); 100's per pack; 2 EDTA, 2 Plain (Red); 2 Serum Separator Tube; 1 Heparin, 1 Glucose Tube (Oxalate Tube); 1 ESR; 1 Citrate	800.00	8,000.00
			<b>First Aid Cabinet</b>		
27	15	unit	<ul style="list-style-type: none"> <li>•Plastic Material</li> <li>•28 x 11 x 28 cm</li> <li>•Sliding Door</li> <li>•Can be Wall-mounted</li> <li>•Cabinet style with easy-open hook</li> <li>•Comes with transparent plastic door for easy identification of contents</li> <li>•Durable, high-quality plastic</li> </ul>	500.00	7,500.00
			<b>Sharps Waste Container (1L)</b>		
28	12	unit	<ul style="list-style-type: none"> <li>•Rectangular shape</li> <li>•Simple to assemble</li> <li>•made of Polypropylene for incineration or alternative treatment</li> <li>•Capacity: 1 L</li> <li>•able to close with a tight-fitting, puncture-resistant lid, without sharps being able to come out;</li> <li>•upright and stable during use;</li> <li>•has a permanently locking, snap-top lid</li> <li>•leak-resistant; and</li> <li>•properly labeled to warn of hazardous waste inside the container</li> <li>•accessory: hanging bracket</li> </ul>	500.00	6,000.00

**SUB-TOTAL**

**268,190.00**

**D Other Laboratory Fixtures (5 Items)**

Item No.	QTY	UOM	PARTICULAR	UNIT COST	TOTAL COST
			<b>Bedside table</b>		
1	5	unit	<ul style="list-style-type: none"> <li>• Dimensions (L x W x H): 15.50 x 30.00 x 40.00 inches</li> <li>• Top Material: Wood</li> <li>• Base Material: Steel</li> <li>• Features: Tilt, Portable, Heavy-Duty, Adjustable</li> </ul>	2,500.00	12,500.00
			<b>Overbed table</b>		
2	2	unit	<ul style="list-style-type: none"> <li>• Free standing, mobile, over bed / over chair table with a powder coated frame and a laminate table top as standard</li> <li>• Safe Working Load: 25 kg</li> <li>• Table Top Length: 800mm</li> <li>• Base Length: 750mm</li> <li>• Table Top Width: 400mm</li> <li>• Adjustable Height: 500mm-750mm</li> <li>• Total Weight: approx 12 kg</li> </ul>	2,500.00	5,000.00



			<b>Tall Case Cabinet</b>		
3	1	unit	<ul style="list-style-type: none"> <li>•Wooden Cabinet with Sliding Glass Door</li> <li>•iApprox. 900 (W) x 450 (D) x 1850 (H) mm</li> <li>•Centralized lock</li> <li>•Adjustable shelves</li> </ul>	25,000.00	25,000.00
			<b>Lavatory Sink</b>		
4	3	unit	<ul style="list-style-type: none"> <li>•Stainless steel, with stand (4ft x 2ft)</li> <li>•45cm inclined sink depth</li> <li>•With pedal faucet</li> </ul>	15,000.00	45,000.00
			<b>Laboratory Working Table</b>		
5	2	unit	<ul style="list-style-type: none"> <li>•Floor mounted</li> <li>•Worktop: Solid Phenolic Resin/Solid Epoxy Resin; Impact-resistant, Chemical-resistant, Fireproof, Waterproof, High temperature resistance</li> <li>•Material: solid wood</li> <li>•Size: 1000*1500*800mm</li> <li>•Integrated with drawers and cabinets</li> </ul>	50,000.00	100,000.00
<b>SUB-TOTAL</b>					<b>187,500.00</b>

**E Laboratory Equipment [per Item bid]**

Item No.	QTY	UOM	PARTICULAR	UNIT COST	TOTAL COST
			<b>Flotation Bath</b>		
1	1	unit	<ul style="list-style-type: none"> <li>•Capacity: 2.5L</li> <li>•Temperature Range: 30°C to 75°C +/- 1° C.</li> <li>•Temperature Stability: ± 0.5°C</li> <li>•Bath material: Aluminium base with Polytetrafluoroethylene (PTFE) black interior and powder-coated white aluminium exterior</li> <li>•Heater Power: 240W</li> <li>•With Temperature controller</li> <li>•Overheating protection</li> </ul>	100,000.00	100,000.00
			<b>Microhematocrit Centrifuge</b>		
2	1	unit	<ul style="list-style-type: none"> <li>•Speed: 12,000 rpm (fixed)</li> <li>•Capacity: 24 (1.5x75 mm capillary tubes)</li> <li>•Run Time: 0-15 minutes mechanical timer</li> <li>•Voltage: 220V, 50/60Hz</li> <li>•With auto-balancing system</li> <li>•With safety lock</li> <li>•Manual break</li> <li>•Quality certification: ISO 9001, ISO 13485</li> </ul>	40,000.00	40,000.00
			<b>Clinical Centrifuge (12 placer)</b>		
3	1	unit	<ul style="list-style-type: none"> <li>• Maximum Speed: 5,000 rpm</li> <li>• Capacity: 12 x (10-15 ml)</li> <li>• Speed Set Range: 1,000~5,000 rpm</li> <li>• Speed Set Step: 10 rpm</li> <li>• Rotor Type: 45° angle</li> <li>• Timer Set Range: 1~99 min. and hold position</li> <li>• Timer Set Step: 1 minute</li> <li>• Standard accessory: 10-15 ml tube adapter</li> <li>• Power Supply: 220-240V, 50/60 Hz</li> <li>• With a lid locking system</li> <li>• Forced fan air convection</li> <li>• LED digital display</li> <li>• Automatic brake system</li> </ul>	50,000.00	50,000.00
			<b>Water Bath with Thermostat Control</b>		
4	1	unit	<ul style="list-style-type: none"> <li>• Capacity: 20 L</li> <li>• Temp. Range: Ambient +5° to 99°C</li> <li>• Temp. Stability: ±0.1°C</li> <li>• Temp. Uniformity: ±0.2°C</li> <li>• Electrical Req. (V/Hz/A): 120/60/3.3- 240/50/1.6</li> <li>•Large, backlit LCD display</li> <li>•Integrated countdown timer</li> <li>•Recessed handles for easy positioning</li> <li>•Safety: High limit alarm &amp; Over-temperature/low liquid alarm</li> </ul> <ul style="list-style-type: none"> <li>•Built-in drain</li> </ul>	80,000.00	80,000.00

			<b>Fume Hood</b>		
5	1	unit	<ul style="list-style-type: none"> <li>•Internal liner is made of phenolic resin laminates with no exposed screws or metal to prevent corrosion.</li> <li>•Black colored phenolic resin worktop surface resists staining.</li> <li>•A fully configurable microprocessor control with audible and visual alarms for unsafe conditions.</li> <li>•Instant-start electronically ballasted lighting system (&gt;900lux) that is flicker-free and isolated from the work zone.</li> <li>•Has a laminated vertical-rising sash with fail- safe counter-balanced mechanism</li> <li>•Standard service fixtures include 1 water fixture, 1 gas fixture and 2 electrical outlets.</li> <li>•Ergonomic 8° sloped front sash</li> <li>•Size: 6-8 ft</li> </ul>	150,000.00	150,000.00
			<b>Biologic Refrigerator</b>		
6	2	unit	<ul style="list-style-type: none"> <li>•Capacity: 600-650L</li> <li>•Electrical Requirements: 220V 50/60 Hz</li> <li>•Temperature Range: 2°C to 10°C</li> <li>•Temperature (Setpoint): 4-5°C</li> <li>•Two-door Upright (Double pane glass door)</li> <li>•Clear product visibility with dual glass door</li> <li>•Dimensions: Approx. H:190-200 cm; W-115-120 cm; L- 55-65 cm</li> <li>•Frost System: No Frost</li> <li>•Cooling Type: Chiller</li> <li>•Adjustable coated wire mesh shelves (6-8 shelves)</li> <li>•Digital controller</li> <li>•Keyed door lock(s)</li> <li>•LED interior lighting</li> <li>•Low heat output</li> <li>•Ports: 1 Rear access port</li> <li>•Temperature, door ajar, and power failure (with battery back-up) alarms (last)</li> <li>•Accessory: compatible AVR</li> </ul>	90,000.00	180,000.00
			<b>Digital Orbital Shaker</b>		
7	1	unit	<ul style="list-style-type: none"> <li>•Speed range: 20 - 300 rpm 1 rpm increments</li> <li>•Orbit diameter: 15.0 - 20.0 mm</li> <li>•Timer range: 0 to 74 hours and 59 minutes 1 second increments or continuous</li> <li>•Maximum load: 4.5 kg (10 lbs.); with an overload protection shut-off</li> <li>•Power: 110 to 240 VAC, 50/60 Hz with 4 interchangeable plug adapters</li> <li>•Ambient conditions: 2° to 40°C (36° to 104°F); 20 to 80% RH, non-condensing</li> <li>•Body made from durable ABS</li> <li>•Suitable for use in incubators and cold rooms within the stated temperature range</li> <li>•Warranty: 1 year</li> </ul>	50,000.00	50,000.00
			<b>Heavy DutyWeighing scale</b>		
8	3	unit	<ul style="list-style-type: none"> <li>• Capacity: 400 lb x 4 oz , 180 kg x 100 g, 400 lb x 4 oz / 175 kg x 100 g</li> <li>• Scale Height: 59 in / 150 cm</li> <li>• Height Rod: 30 to 78 in / 76 to 200 cm - 1/4 in / 1/2 cm increments</li> <li>• Platform Size: 10.5 in W x 14.5 in D / 27 cm W x 37 cm D</li> <li>• Heavy-duty solid stable platform</li> <li>• Durable steel construction</li> </ul>	17,000.00	51,000.00
			<b>Digital Differential Counter</b>		
9	2	unit	<ul style="list-style-type: none"> <li>•For blood cell counting</li> <li>•With audible short beep at 100 increments</li> <li>•Dual reset knobs</li> <li>•Removable tabs of color charts of white blood cells are supplied on top of counter provide area for identification of classification being counted</li> <li>•Acid resistant, non slip bottom</li> <li>•Figure Range: 0 to 999</li> <li>•Number of Keys: 5 (Baso., Eosin., Mono., Lymph., Poly.)</li> <li>•Has total window that keeps track of total number of strokes made on all other keys</li> <li>•Battery Operated</li> </ul>	20,000.00	40,000.00

			<b>Gas Pak Container System and Accessories</b>		
10	2	unit	<ul style="list-style-type: none"> <li>•Anaerobe polycarbonate jar (non-vented)</li> <li>•Lid assembly (with clamp and thumbscrew) with O-ring gasket and 3 catalyst reaction chambers (10 catalyst charges)</li> <li>•with stainless steel petri dish rack with clips and culture tube holder</li> <li>•autoclavable and constructed with non-breakable, chemical-resistant material</li> <li>•can hold petri dishes with diameter size of 60-100mm</li> <li>•Accessories: includes CO2 Indicator Strips (methylene blue) &amp; Dry Anaerobic Indicator Strips</li> </ul>	55,000.00	110,000.00
			<b>Refractometer</b>		
11	2	unit	<ul style="list-style-type: none"> <li>• (1) Portable, battery operated</li> <li>• Serum/Plasma Protein concentration Range: 2.5-15grams/100mL at a precision of 0.1 grams/100mL</li> <li>• Refraction Range: 0-320 at a precision to 2 units</li> </ul>	20,000.00	40,000.00
			<b>Fire Extinguisher</b>		
12	20	unit	<ul style="list-style-type: none"> <li>•HCFC-123 chemical fire extinguisher</li> <li>•10 lbs.cap</li> </ul>	5,000.00	100,000.00

**SUB-TOTAL**

**991,000.00**

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