

ROPOSED MACHINERIES AND EQUIPMENT FOR BUDGET ESTIMATE IN  
FISCAL YEAR (2020–2021)

DESCRIPTION OF EQUIPMENT (TECHNICAL DETAILS)
2
<b><i>(1)Apparatus for Chemical</i></b>
-Beaker 250 ml(2)Unit
-Beaker 400 ml(2)Unit
-Beaker 100 ml(4)Unit
-Beehive shelf(1)Unit
-Delivery tube (Straight)(2)Unit
-Delivery tube (90 Degrees)(2)Unit
-Filter Paper 12.5 cm(1)Unit
-Flat Bottom Flask (250 ml)(3)Unit
-Funnel (6 cm)(2)Unit
-Funnel Stand (Wood)(1)Unit
-Gas Jar With Cover(3)Jar
-Glass Rod(1)Unit
-Plastic Beaker (1000 ml) with handle(1)Unit
-Litmus Paper R & B(2)Unit
-Measuring Cylinder (100 ml)(2)Unit
-Pipette (Granduated)(2)Unit
-Plastic Basin (Round)(1)Unit
-Rubber Pip (2 Feet)(1)Unit
-Rubber Stopper No 6(1)Unit
-Test Tube (10 ml)(6)Unit
-Test Tube Stand (plastic)(1)Unit
-Thistle Funnel(2)Unit
-Tripot Set (Tripod, Wire Gauge, Alchol Burner, Alchol)(1)Unit
-Watch Glass(1)Unit
-Electrolysis of Water (Hoffmann's)(1)Unit
-Test Tube (20 ml)(1)Unit
-Test Tube Holder(1)Unit
-Burette(1)Unit
-Burette Stand with clamp(1)Unit
-Conical Flask (250 ml)(3)Unit
-Ball for Pipette (bulb)(1)Unit
-Round Bottomed Flask (250 ml)(3)Unit
-Rubber Stopper No7 with two holes(1)Unit
-Molecular Model(1)Unit
-Measuring Cylinder (250 ml)(1)Unit

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2
-Petridish(1)Unit
-Porcelain Curcibles 40 ml(1)Unit
-Plastic Basin (Square)(1)Unit
-Dropping Funnel(1)Unit
-Dropping Bottle(1)Unit
-Burning Spoon(1)Unit
-Brush for Measuring Cylinder(1)Unit
-Rubber Glove (30 cm)(2)Unit
-Safety Google(2)Unit
-Porcelain Basin (100 ml/ 90 mm)(1)Unit
-Calcium Carbonate CaCO <sub>3</sub> (100g)
-Calcium or Magnesium Sulphate(100g)
-Hydrochloric Acid (dilu) with Reagent Bottle(500ml)
-Nitric Acid (Dilu) with Reagent Bottle(500ml)
-Potassium Bromide(100g)
-Potassium Iodide(100g)
-Sodium Carbonate Na <sub>2</sub> CO <sub>3</sub> (100g)
-Sodium Hydroxide(100g)
-Sulphuric Acid (dilu) with Reagent Bottle(500ml )
-Maganese IV Oxide(100g)
-Iron II Sulphide(100g)
-Phenolphthalein (25 g)(25g)
-Sodium nitrite(100g)
-Ammonium Chloride(100 g)
-Copper Tuning(100 g)
-Ammonium Sulphate(100 g)
-Hydrogen peroxide(500 ml)
-Zinc(100g)
-Sodium Sulphite(100g)
-Potassium Chlorate(100 g)
-Potassium Nitrate(100 g)
<i>(2)Equipment for Physical</i>
-Vernier Calipers(1)Unit
-Wooden Cylinder(1)Unit
-Aluminium Cup(1)cup
-Track Rail(1)Set

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2
-Steel Ball (19 mm)(1)Ball
-Stopwatch (1)Unit
-Simple Pendulum(1)Unit
-Half Meter Ruler(1)Unit
-Hydrometer(1)Unit
-Measuring Cylinder (500 ml)(1)Unit
-Retord Standddd(1)Unit
-Spring Balance(1)Unit
-Weight Box with Hook(1)Unit
-Optical Bench set (Wood)(1)Unit
-Concave Mirror (F 10 cm)(1)Unit
-Concave Mirror (F 15 cm)(1)Unit
-Optical Demonstrator (Small)(1)Box
-Bar Magnet (2) 12 cm(1)Pair
-Plotting Compass(1)Unit
-Inclinde Plain (1)Unit
-Hoolie's Law Apparatus(1)Unit
-Tuning Forks Set (8 Pieces)(1)Unit
-Prism 60x60x60(1)Unit
-Bi Convex Lens (F= 100 mm)(1)Unit
-Refraction of Light Test(1)Set
-Single Metal Pully u(1)Unit
-Free Fall Tube(1)Unit
-Action and Reaction Car(1)Unit
-Physics Experiment Box(1)Unit
-Electrodes for Fruits(1)Unit
-Horseshoe Magnet(1)Unit
-Imertia Test(1)Unit
-Pascal's Law(1)Unit
-Manometer with base (1)Unit
-Calorimeter(1)Unit
-Thermal Expension Test with stand(1)Unit
-Heat Conductor(1)Unit
-Micrometer(1)Unit
-Resonance Box(1)Unit
-Logic Gate(1)Unit
<b><i>(3)Equipment for Biology</i></b>

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2
-Celestron CM 800 Microscope(1)Unit
-Chlorella(1)Unit
-Euglella(1)Unit
-Diatom(1)Unit
-Amoeba(1)Unit
-Actinosharium(1)Unit
-Chytrids(1)Unit
-Spirogra(1)Unit
-Meristematic tissue (shoot tip)(1)Unit
-Meristematic tissue (root tip)(1)Unit
-Plant Cell wall(1)Unit
-Transverse section of a leaf (monocotyledons)(1)Unit
-Transverse section of a leaf (dicotyledons)(1)Unit
-Transverse section of a stem (monocotyledons)(1)Unit
-Transverse section of a stem (dicotyledons)(1)Unit
-Transverse section of a root (monocotyledons)(1)Unit
-Transverse section of a root (dicotyledons) (1)Unit
-Chromosome(1)Unit
-Cell division with mitosis (prophase)(1)Unit
-Cell division with mitosis (metaphase)(1)Unit
-Cell division with mitosis (anaphase)(1)Unit
-Cell division with (telophase)(1)Unit
-Yeast budding(1)Unit
-Fern (spore formation)(1)Unit
-Bone Tissue(1)Unit
-Skeletal Muscle(1)Unit
-smooth Muscle(1)Unit
-Cardiac Muscle(1)Unit
-Fish Model Specimen(1)Unit
-Frog Model Specimen(1)Unit


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2
-Rabbit Models Specimen(1)Unit
-Starfish(1)Unit
-Specimen of Inseces (10 kinds)(1)Unit
-Logitudinal Section of ovule(1)Unit
-Jellyfish(1)Unit
-Human Skeketon (42 cm)(1)Unit
-Embedded Specimen Annulata(1)Unit
-Chloroplast and cell organs(1)Unit
-Germination of Bean seed(1)Unit
-Germination of Maize Grain(1)Unit
<b><u>(4)Equipment for Geography</u></b>
-Sun Earth and Moon(1)Unit
-Globe Model (18 cm)(1)Unit
-Samples of Rocks (20 kinds)(1)Unit
-Vane Anemometer(1)Unit
-Moon Phases Chart(1)Unit
-Volcano Model(1)kit
-World Map(1)Sheet
<b><u>(2) Portable Projector &amp; Tripod Screen</u></b>
<ul style="list-style-type: none"> <li>- 3100 Lumens, 1024x768 Pixels (XGA) HDMI Input</li> <li>10000 hour Lamp Life, Day Light View, Direct power off</li> <li>- Tripod(96"x96")</li> </ul>
<b><u>(3) Tablet</u></b>
<b><u>(4) Desktop Computer &amp; UPS</u></b>
<ul style="list-style-type: none"> <li>-8th Gen; Intel Core i7-8700</li> <li>-4GB DDR4 2400MHz, 1 TB 7200RPM</li> <li>- 2GB DDR5 Graphic Card</li> <li>-19.5" HD LED</li> <li>-Optical DVD R/W Drive</li> <li>- UPS(650VA)</li> <li>- English Keyboard&amp;Mouse</li> </ul>

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<p><u>(5)Laptop Computer</u></p> <ul style="list-style-type: none"> <li>-8th Gen,Intel Core i7 8550U,1.8GHz,</li> <li>- 4 GB DDR4 , 1TB HDD ,</li> <li>- 2GB DDR5 Graphics,</li> <li>- 15.6"Full HD Display,DVD RW,HDMI,</li> <li>- CardReader,USB3.0,</li> <li>- BlueTooth,LAn,WLAN,Type C</li> </ul>
<p><u>(6) Plain Paper Fax Machine (A4)</u></p>
<p><u>(7)Laser Printer A4</u></p>
<p><u>(8)Digital Multifunction Copier (A3)</u></p> <ul style="list-style-type: none"> <li>- 26ppm</li> <li>- 1 GB Image Memory</li> <li>- 600 x 600 dpi (Scan)</li> <li>- 1200 x 1200 dpi (Print)</li> <li>- Duplex (Standard)</li> <li>- With Feeder (Standard)</li> <li>- 25% to 400% Zoom</li> <li>- Network Print / Colour Scan (Standard)</li> <li>- 500x2 Sheets paper Cassettee</li> <li>- 1x100 Sheets Stack Bypass</li> <li>- window 7/8/8.1/10(32)bit,64bit)</li> </ul>
<p><u>(9)colour printer</u></p> <ul style="list-style-type: none"> <li>- Print speed : 37/38ppm(mono/CL)</li> <li>- Print Resolution: 5760x1440 dpi</li> <li>- paper Out put:50 sheets</li> <li>-Tray Capacity:120/20 Sheets</li> <li>- Media Sizes:A4,Legal</li> <li>- colour: 6 colour</li> </ul>
<p><u>(10)Scanner</u></p> <ul style="list-style-type: none"> <li>- Flatbed Scanner</li> <li>- Three Colour RGB LEDs</li> <li>- 4800x4800</li> <li>- A4/Legal</li> <li>- 25-19200 dpi</li> <li>- USB type (USB 3.0&amp;2.0)</li> </ul>

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<u>(1) Long Desk (High)</u> ( 6'x1'6"x2'6") Long Bench (High) ( 6'x1'2"x1'6")
<u>(2) Long Desk (Low)</u> ( 4'x1'4"x1'10") Long Bench (Low) ( 4'x1'2"x1')
<u>(4)  (Steel Almirah)</u> (3'x1'6"x6')
<u>(6) Table Teak (4'x2.5'x2.5')</u>
<u>(8) Chair plastic</u>
<u>(11) Lab Table (8'x4'x3')</u>
<u>(12) Stool (1'x10"x2')</u>
<u>(13) Computer Table&amp;Chair</u> (2'1"x1'5"x2'5")
<u>(14) Officer Table (5'x3'x2.5')</u>
<u>(16) Officer Armed Chair</u> (18x22x22x44)"
<u>(17) Armless Chair(1.5'x1.5'x1.5')</u>
<u>(23) File Sheet (6'x1.5'x6')</u>