

LIST OF ITEMS AND BID SECURITY PER LOT

| LOT 1 | | | | | |
|----------|---|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Dry Cell, 9 V | 14,410 | 160,676,190.55 | 3,213,523.81 | 8,033,809.53 |
| 2 | Dry Cell. 1.5 V, size D | 57,640 | | | |
| 3 | Black, 350mm long with alligator clip on one end and banana plug on the other end | 43,230 | | | |
| 4 | Red, 350mm long with alligator clip on one end and banana plug on the other end | 43,230 | | | |
| 5 | White, 350mm long with alligator clip on one end and banana plug on the other end | 28,820 | | | |
| 6 | Blue, 350mm long with alligator clip on one end and banana plug on the other end. | 28,820 | | | |
| 7 | Basic Lens Set, acrylic | 14,410 | | | |
| 8 | Mirror Set, acrylic | 14,410 | | | |
| 9 | Prism | 14,410 | | | |
| 10 | Miniature Light Bulb Holder Assembly | 43,230 | | | |
| 11 | Dry Cell Holder, for single size D dry cell | 57,640 | | | |
| 12 | Meter stick, plastic | 28,820 | | | |
| 13 | Wash Bottle, plastic, 250 ml. | 57,640 | | | |
| 14 | Graduated Cup, 250 ml. capacity, plastic, transparent | 14,410 | | | |
| 15 | Cross section Volcano Model | 2,882 | | | |
| 16 | Desk Lamp, Heavy Base | 14,410 | | | |
| 17 | Hexagonal Weigh Dishes Set, 50mL, 500 pcs/pack | 2,882 | | | |
| 18 | Laser Light, line laser type | 14,410 | | | |
| 19 | Reaction Plates with 6 Wells | 14,410 | | | |

| | | | | | |
|----|---|--------|--|--|--|
| 20 | Ring and Ball Apparatus | 14,410 | | | |
| 21 | Slinky Coil, metal | 28,820 | | | |
| 22 | Stopwatch, digital | 40,348 | | | |
| 23 | Test Tube Brush | 43,230 | | | |
| 24 | Tornado Vortex Bottle Connector | 57,640 | | | |
| 25 | Cork Borers | 5,764 | | | |
| 26 | Pair of Bar Magnets | 5,764 | | | |
| 27 | Student Organic Chemistry Molecular Model Set | 2,882 | | | |
| 28 | Sublevel Orbitals of the Atom Models (Quantum Models) | 2,882 | | | |
| 29 | Beaker Tong | 14,410 | | | |
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| LOT 2 | | | | | |
|----------|---|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Compass (for Student) | 57,640 | 126,868,051.07 | 2,537,361.02 | 6,343,402.55 |
| 2 | Protractor, (for Student) | 57,640 | | | |
| 3 | Geometrical model set, 2 types of cones | 2,882 | | | |
| 4 | Geometrical model set, 2 types of cylinders | 2,882 | | | |
| 5 | Geometrical model set, 3 types of prisms | 2,882 | | | |
| 6 | Geometrical model set, 3 types of pyramids | 2,882 | | | |
| 7 | Geometrical model set, Spheres | 2,882 | | | |
| 8 | Model of Cone in a Cylinder | 2,882 | | | |
| 9 | Model of Pyramid in a Prism | 2,882 | | | |
| 10 | Model of Sphere in a Cylinder | 2,882 | | | |

| | | | | | |
|----|-----------------------|-------|--|--|--|
| 11 | Animal Cell Model | 2,882 | | | |
| 12 | DNA Model | 2,882 | | | |
| 13 | Model, Animal Meiosis | 2,882 | | | |
| 14 | Model, Animal Mitosis | 2,882 | | | |
| 15 | Model, Human Skeleton | 2,882 | | | |
| 16 | Model, Human Torso | 2,882 | | | |
| 17 | Plant Cell Model | 2,882 | | | |
| | | | | | |

| LOT 3 | | | | | |
|----------|---|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Aneroid Barometer Set (Demonstration Type) | 2,882 | 184,709,694.05 | 3,694,193.88 | 9,235,484.70 |
| 2 | Aneroid Barometer Set (Wall Type) | 2,882 | | | |
| 3 | Hand Lens, 10x magnification (Loupe 10x magnifier) | 14,410 | | | |
| 4 | Hand Lens, at least 5x magnification (Minimum Lens Diameter: 50 mm) | 14,410 | | | |
| 5 | DC Ammeter | 14,410 | | | |
| 6 | DC Voltmeter | 14,410 | | | |
| 7 | Galvanometer | 14,410 | | | |
| 8 | Electronic Pocket Scale, 120g capacity | 14,410 | | | |
| 9 | Top loading Electronic Balance | 2,882 | | | |
| 10 | Filter Paper, ordinary, 600mm x 600mm sheet | 259,380 | | | |
| 11 | Lens Paper, 50's/pack | 28,820 | | | |
| 12 | Universal pH Paper, pH 0-14, 100 strips/pack | 14,410 | | | |

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|----|--|--------|--|--|--|
| 13 | Hand Gloves, acid/solvent-resistant, super nitrile | 74,932 | | | |
| 14 | Safety Goggles, polycarbonate | 57,640 | | | |
| 15 | Surgical Gloves | 2,882 | | | |
| 16 | Dissecting Set with pan | 14,410 | | | |
| 17 | Laboratory Hot Plate | 2,882 | | | |
| 18 | Landform Demonstration Kit | 14,410 | | | |
| | | | | | |

| LOT 4 | | | | | |
|---|---|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Ticker Timer Set | 14,410 | 176,796,023.58 | 3,535,920.47 | 8,839,801.18 |
| 2 | Sling Psychrometer | 14,410 | | | |
| 3 | Soil Sieve | 2,882 | | | |
| 4 | Sedimentator Tube | 28,820 | | | |
| 5 | Helical Spring | 28,820 | | | |
| 6 | Set of Tools: | 2,882 | | | |
| | Screwdriver, flat, 6", 1 pc/set | | | | |
| | Screwdriver, phillips, 6", 1 pc/set | | | | |
| | Long Nose Pliers, 6", 1 pair/set | | | | |
| | Mechanical Wire Cutter and Pliers, 6.5", 1 pair/set | | | | |
| | Soldering Iron, 60 watts, 1 pc/set | | | | |
| | Ball Peen Hammer, handle length is 11", 350g approx. weight, 1 pc/set | | | | |
| Precision Screwdrivers Set, 6 pcs/set, with plastic casing, 1 set/set | | | | | |
| | Tweezers, stainless steel, with curved tips, 6.5" long, 1 pair/set | | | | |

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|--|---|--|--|--|--|
| | Soldering Lead, Ø1mm, Grade 60/40, Wt.: 1 lb/spool, 1 spool/set | | | | |
| | Soldering Paste, 50 grams/can, 1 can/set | | | | |
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| LOT 5 | | | | | |
|----------|--|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Beaker, 100 ml, borosilicate | 57,640 | 107,819,493.88 | 2,156,389.88 | 5,390,974.69 |
| 2 | Beaker, 1000 ml., borosilicate | 14,410 | | | |
| 3 | Beaker, 250 ml., borosilicate | 100,870 | | | |
| 4 | Beaker, 50 ml, borosilicate | 28,820 | | | |
| 5 | Beaker, 500 ml, borosilicate | 28,820 | | | |
| 6 | Graduated Cylinder, 10 ml. capacity | 72,050 | | | |
| 7 | Graduated Cylinder, 100 ml. capacity | 72,050 | | | |
| 8 | Erlenmeyer Flask, 250 ml., borosilicate | 72,050 | | | |
| 9 | Volumetric Flask, 250 mL | 14,410 | | | |
| 10 | Reagent Bottle, narrow-mouth, amber glass (250 ml, capacity) | 14,410 | | | |
| 11 | Reagent Bottle, wide-mouth, transparent glass (250 ml, capacity) | 14,410 | | | |
| 12 | Vial, screw-neck, 25 ml. (with screw-type plastic cap) | 57,640 | | | |
| 13 | Vial, screw-neck, 50 ml. (with screw-type plastic cap) | 115,280 | | | |
| 14 | Bunsen Burner, gas-type | 2,882 | | | |
| 15 | Glass Funnel | 43,230 | | | |
| 16 | Graduated Pipette, 10 ml., with rubber pipettor | 14,410 | | | |
| 17 | Petri Dish | 43,230 | | | |

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|----|---|---------|--|--|--|
| 18 | Stirring Rod, Ø 6mm x 250mm long | 57,640 | | | |
| 19 | Test Tube, Ø 16mm x 150mm long | 259,380 | | | |
| 20 | Watch Glass | 57,640 | | | |
| 21 | Alcohol Burner, glass, 150 ml. Capacity | 43,230 | | | |
| 22 | Alcohol Thermometer, -20°C to 110°C | 57,640 | | | |
| 23 | Electrolysis Apparatus, student-type | 14,410 | | | |
| 24 | Mortar and Pestle, porcelain | 43,230 | | | |
| 25 | Evaporating Dish, 75 ml. capacity | 72,050 | | | |
| 26 | Spatula, porcelain and glazed | 14,410 | | | |
| 27 | Cork Stopper # 16 with 1 hole | 14,410 | | | |
| 28 | Cork Stopper # 16 with 2 holes | 14,410 | | | |
| 29 | Cork Stopper # 5 (for Ø 16mm test tube) | 43,230 | | | |
| 30 | Rubber Stopper # 0 (for Ø 16mm test tube) | 43,230 | | | |
| 31 | Rubber Stopper # 6 with 1 hole | 14,410 | | | |
| 32 | Rubber Stopper # 6 with 2 holes | 43,230 | | | |
| 33 | Glass Tubing, Ø 6mm x Ø 4mm x 1220mm long | 14,410 | | | |
| 34 | Plastic Round Canister, 500 mL | 14,410 | | | |
| 35 | Beral Pipette Dropper, 1 ml. capacity | 100,870 | | | |
| | | | | | |

| LOT 6 | | | | | |
|----------|---|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Graphing board, 1.2m x 1m, green, movable | 2,882 | 54,642,090.39 | 1,092,841.81 | 2,732,104.52 |
| 2 | Geoboard, 11 x 11 | 14,410 | | | |

| | | | | | |
|---|--------------------------------------|--------|--|--|--|
| 3 | Probability Kit | 2,882 | | | |
| 4 | Graphing Calculator, non-projectable | 2,882 | | | |
| 5 | Scientific Calculator | 28,820 | | | |
| | | | | | |

| LOT 7 | | | | | |
|----------|--|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Copper Sulfate, CuSO ₄ , 100 grams / bottle | 5,764 | 30,545,583.84 | 610,911.68 | 1,527,279.19 |
| 2 | Hydrochloric Acid, HCl, laboratory grade, 500ml / bottle | 8,646 | | | |
| 3 | Hydrochloric Acid, HCl, technical grade, 500 ml / bottle | 5,764 | | | |
| 4 | Magnesium Ribbon, 25 grams/roll (60 to 75 feet long) | 5,764 | | | |
| 5 | Manganese Dioxide, 50 grams / bottle | 5,764 | | | |
| 6 | Phenolphthalein Indicator, 100 grams / bottle | 5,764 | | | |
| 7 | Potassium Chloride, 100 grams / bottle | 5,764 | | | |
| 8 | Potassium Iodide, 100 grams / bottle | 5,764 | | | |
| 9 | Sodium Hydroxide (Lye), 250 grams / bottle | 5,764 | | | |
| 10 | Sulfur Powder, 100 grams / bottle | 5,764 | | | |
| 11 | Sulfuric Acid, technical grade, 500 ml / bottle | 5,764 | | | |
| 12 | Zinc Chloride, 100 grams / bottle | 5,764 | | | |
| 13 | Baking Soda (NaHCO ₃), 200 grams / bottle | 5,764 | | | |
| 14 | Boric Acid, 100 grams / bottle | 5,764 | | | |
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| LOT 8 | | | | | |
|----------|---|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Solar System Model | 2,882 | 76,432,772.66 | 1,528,655.45 | 3,821,638.63 |
| 2 | Sun Internal Structure Model, 1/4 part detachable, 32cm diameter | 2,882 | | | |
| 3 | Sun-Earth-Moon Model | 2,882 | | | |
| 4 | Model of Earth Internal Structure, 1/4 part detachable, Ø 12" minimum | 2,882 | | | |
| 5 | Celestial Globe | 2,882 | | | |
| 6 | Earth Globe, ordinary | 2,882 | | | |
| 7 | Relief Globe | 2,882 | | | |
| 8 | Soil pH, Moisture, Sunlight Meter | 14,410 | | | |
| 9 | pH Meter, range 0 to 14 Ph | 2,882 | | | |
| | | | | | |

| LOT 9 | | | | | |
|----------|--------------------------------------|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Microscope Prepared Slide Set, 25's | 2,882 | 362,206,886.93 | 7,244,137.74 | 18,110,344.35 |
| 2 | Microscope, Compound, 4 Objectives | 57,640 | | | |
| 3 | Telescope, Astronomical (Reflecting) | 2,882 | | | |
| 4 | Electrical Conductivity Apparatus | 2,882 | | | |

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|---|---|--------|--|--|--|
| 5 | Beam Balance, double platform, 2000-gram capacity | 2,882 | | | |
| 6 | Utility Kitchen/Spring Scale | 2,882 | | | |
| 7 | Weighing Scale | 2,882 | | | |
| 8 | Balance, triple-beam | 31,702 | | | |
| 9 | Optical Bench Set | 14,410 | | | |
| | | | | | |

| LOT 10 | | | | | |
|----------|---|----------------|--|---|---|
| Item No. | Item Description | Total Quantity | Total Approved Budget for the Contract (ABC) | Bid Security Form & Amount (if other than Bid Securing Declaration) | |
| | | | | 2% of ABC (if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit) | 5% of ABC (if bid security is in Surety Bond) |
| 1 | Seismograph Model | 2,882 | 123,099,752.45 | 2,461,995.05 | 6,154,987.62 |
| 2 | Rock Samples, 24 pcs/set, (minerals of 3 rock types) | 2,882 | | | |
| 3 | Tectonics Demonstrator Model (Demonstration Kit) | 2,882 | | | |
| 4 | Cup Anemometer with Wind Vane, handheld, digital direct reading | 5,764 | | | |
| 5 | Magnetic Compass | 14,410 | | | |
| 6 | Rain Gauge | 14,410 | | | |
| 7 | Motor-Generator Model Experiment Set | 14,410 | | | |
| 8 | LPG tank with Gas, 11 kg. capacity, with accessories | 2,882 | | | |
| 9 | Resistance Board | 14,410 | | | |
| 10 | Switch, knife-type | 14,410 | | | |
| | | | | | |

CENTRAL OFFICE PROCUREMENT:

| PARTICULARS | | Unit of Issue | Qty per Set or Qty per Package | Cost per Set or Cost per Package, in PhP | Qty for 2,882 sets (or packages) of Science and Mathematics Equipment | FY 2019 Unit Cost (inclusive of 7% F&H Cost), in PhP | Estimated Cost for the 2,882 sets (or packages) of Science and Mathematics Equipment (with 7% F&H Cost), in PhP |
|--|--|---------------|--------------------------------|--|---|--|---|
| ITEMS | | | | | | | |
| CENTRAL OFFICE | | | | | | | |
| MASS PRODUCTION: | | | | | | | |
| Mass Production, Lot Items (LOT NO. 1) | | | | | | | |
| A. BASIC AND MECHANICS SCIENCE EQUIPMENT: | | | | | | | |
| A.1) | Basic Science Equipment: | | | | | | |
| A.1.1 | Stand Base Assembly | assy | 10 | | | | |
| A.1.2 | Stand Support | pc | 20 | | | | |
| A.1.3 | Ring with stem | pc | 5 | | | | |
| A.1.4 | Ø9.5mm x 250mm long Stand Rod | pc | 10 | | | | |
| A.1.5 | Ø9.5mm x 500mm long Stand Rod | pc | 20 | | | | |
| A.1.6 | Ø12.7mm x 1000mm long Stand Rod | pc | 5 | | | | |
| A.1.7 | Multiclip Assembly | assy | 25 | | | | |
| A.1.8 | Universal Bosshead Assembly | assy | 10 | | | | |
| A.1.9 | Universal Clamp Assembly | assy | 12 | | | | |
| A.1.10 | Test Tube Holder | pc | 5 | | | | |
| A.1.11 | Test Tube Rack | pc | 6 | | | | |
| A.1.12 | Case 001 (with Cover and Base Sheathing)(BASIC) | pc | 1 | | | | |
| A.1.13 | Case 002 (with Cover and Base Sheathing)(BASIC) | pc | 1 | | | | |
| A.1.14 | Case 003 (with Cover and Base Sheathing)(BASIC) | pc | 1 | | | | |
| A.1.15 | User's Manual (BASIC) | pc | 1 | | | | |
| A.2) | Mechanics Science Equipment: | | | | | | |
| A.2.1 | Cart-Rail System Set: | | | | | | |
| | A.2.1.1) Rail | lh | 10 | | | | |
| | A.2.1.2) Leveling Pad Assembly | assy | 5 | | | | |
| | A.2.1.3) Cart-spring loaded | unit | 5 | | | | |
| | A.2.1.4) Cart-with counterweight | unit | 5 | | | | |
| | A.2.1.5) Stopper-Fork Assembly | assy | 5 | | | | |
| | A.2.1.6) Driving Mass, 3-gram | pc | 25 | | | | |
| | A.2.1.7) Cylindrical Mass, 50-gram | pc | 25 | | | | |
| | A.2.1.8) Plastic Hammer | pc | 5 | | | | |
| | A.2.1.9) Motorized Cart | unit | 5 | | | | |
| | A.2.1.10) Hose Level, 3-meter | lh | 5 | | | | |
| A.2.2 | Free-Fall Apparatus Set: | | | | | | |
| | A.2.2.1) Solenoid Assembly | assy | 5 | | | | |
| | A.2.2.2) Pad Switch Assembly | assy | 5 | | | | |
| | A.2.2.3) Synchro Box Assembly | assy | 5 | | | | |
| | A.2.2.4) Digital Timer Assembly (Digital Stopwatch) | assy | 5 | | | | |
| | A.2.2.5) Ø 25mm Plastic Spherical Ball with metal screw | pc | 10 | | | | |
| | A.2.2.6) Ø 25mm Steel Spherical Ball | pc | 10 | | | | |
| | A.2.2.7) Ø 12.7mm Steel Spherical Ball | pc | 10 | | | | |
| | A.2.2.8) Ball Case (with Cover and foam) | pc | 5 | | | | |
| | A.2.2.9) Metertape with hooks Assy (w/ plastic pointer) | assy | 5 | | | | |
| A.2.3 | Hooke's Law Apparatus (1 set is composed of 1 helical spring and 1 disc pointer) | set | 5 | | | | |
| A.2.4 | Friction Apparatus (1 set is composed of 1 friction block and 1 friction board) | set | 5 | | | | |
| A.2.5 | Lever Assembly (1 assembly is composed of 1 lever beam and 1 axle) | assy | 5 | | | | |
| A.2.6 | Pulley Set: | | | | | | |
| | A.2.6.1) Double Pulley Assembly | assy | 10 | | | | |
| | A.2.6.2) Single Pulley Assembly | assy | 10 | | | | |
| A.2.7 | Spring Balances: | | | | | | |
| | A.2.7.1) 10-Newton Spring Balance Assembly | assy | 5 | | | | |
| | A.2.7.2) 5-Newton Spring Balance Assembly | assy | 5 | | | | |
| | A.2.7.3) 2-Newton Spring Balance Assembly | assy | 5 | | | | |
| A.2.8 | C-Clamp with hook | pc | 10 | | | | |
| A.2.9 | Hooked Masses: | | | | | | |
| | A.2.9.1) 500-gram Hooked Mass | pc | 5 | | | | |
| | A.2.9.2) 250-gram Hooked Mass | pc | 10 | | | | |
| | A.2.9.3) 20-gram Hooked Mass | pc | 25 | | | | |
| A.2.10 | Case 001 (with Cover and Base Sheathing)(MECHANICS) | pc | 5 | | | | |
| A.2.11 | Case 002 (with Cover and Base Sheathing)(MECHANICS) | pc | 5 | | | | |
| A.2.12 | Case 003 (with Cover and Base Sheathing)(MECHANICS) | pc | 5 | | | | |
| A.2.13 | Spare Parts: | | | | | | |
| | A.2.13.1) Worm with Axle Assembly | assy | 5 | | | | |
| | A.2.13.2) Worm Gear A | pc | 10 | | | | |
| | A.2.13.3) Spur Gear B | pc | 10 | | | | |
| | A.2.13.4) Spur Gear C | pc | 5 | | | | |
| A.2.14 | User's Manual (MECHANICS) | pc | 1 | | | | |
| A.2.15 | Experiment Module (MECHANICS) | pc | 1 | | | | |
| A.2.16 | Dry Cell, 1.5 V, size AA | pc | 5 | | | | |
| A.2.17 | Modelling Clay | bar | 5 | | | | |
| A.2.18 | String (thick) | ball | 5 | | | | |
| A.2.19 | String (thin) | ball | 5 | | | | |
| | Sub-total (A) | | | | | | |
| B. SCIENCE AND MATHEMATICS EQUIPMENT: (LOT NO. 2) | | | | | | | |
| B.1 | NSTIC-developed Blackboard Compass | pc | 4 | | | | |
| B.2 | NSTIC-developed Blackboard Protractor | pc | 4 | | | | |
| B.3 | NSTIC-developed Convection Tank (Thermocline Apparatus) | pc | 5 | | | | |
| B.4 | NSTIC-developed Heat Conductivity Apparatus | pc | 5 | | | | |
| B.5 | NSTIC-developed Light Source | pc | 5 | | | | |
| B.6 | NSTIC-developed Set of Coils (Transformer) | set | 5 | | | | |
| B.7 | NSTIC-developed Tripod | pc | 5 | | | | |
| B.8 | NSTIC-developed Variable Power Supply with 5 pcs. Terminal Board | set | 3 | | | | |
| B.9 | NSTIC-developed Wire Gauze | pc | 5 | | | | |
| | Sub-total (B) | | | | | | |
| C. STORAGE CABINETS: (LOT NO. 3) | | | | | | | |

| | PARTICULARS | Unit of Issue | Qty per Set or Qty per Package | Cost per Set or Cost per Package, in PhP | Qty for 2,882 sets (or packages) of Science and Mathematics Equipment | FY 2019 Unit Cost (inclusive of 7% F&H Cost), in PhP | Estimated Cost for the 2,882 sets (or packages) of Science and Mathematics Equipment (with 7% F&H Cost), in PhP |
|---|---|---------------|--------------------------------|--|---|--|---|
| | ITEMS | | | | | | |
| C.1 | Biology Storage Cabinet, for non-corrosive materials | pc | 2 | | | | |
| C.2 | Chemistry Storage Cabinet, for non-corrosive materials | pc | 1 | | | | |
| C.3 | Chemistry Storage Cabinet, stainless steel, for corrosive materials | unit | 1 | | | | |
| C.4 | Earth & Space Science Storage Cabinet, for non-corrosive materials | pc | 2 | | | | |
| C.5 | Mathematics Storage Cabinet, for non-corrosive materials | pc | 1 | | | | |
| C.6 | Physics Storage Cabinet, for non-corrosive materials | pc | 2 | | | | |
| | Sub-total (C) | | | | | | |
| | TOTAL MASS PRODUCTION | | | | | | |
| Market Items: | | | | | | | |
| Market Items Lot Items | | | | | | | |
| D. SCIENCE EQUIPMENT, SUPPLIES, AND CONSUMABLES: (LOT NO. 1) | | | | | | | |
| D.1 | Aneroid Barometer Set (Demonstration Type) | unit | 1 | | | | |
| | Aneroid Barometer Set (Wall Type) | unit | 1 | | | | |
| D.2 | Cork Stopper # 16 with 1 hole | pc | 5 | | | | |
| | Cork Stopper # 16 with 2 holes | pc | 5 | | | | |
| | Cork Stopper # 5 (for Ø 16mm test tube) | pc | 15 | | | | |
| D.3 | Dry Cell, 9 V | pc | 5 | | | | |
| | Dry Cell, 1.5 V, size D | pc | 20 | | | | |
| D.4 | Hand Lens, 10x magnification (Loupe 10x magnifier) | pc | 5 | | | | |
| | Hand Lens, at least 5x magnification (Minimum Lens Diameter: 50 mm) | pc | 5 | | | | |
| D.5 | Rubber Stopper # 0 (for Ø 16mm test tube) | pc | 15 | | | | |
| | Rubber Stopper # 6 with 1 hole | pc | 5 | | | | |
| | Rubber Stopper # 6 with 2 holes | pc | 15 | | | | |
| D.6 | Set of Connectors (# 18 copper, AWG stranded): | | | | | | |
| | Black, 350mm long with alligator clip on one end and banana plug on the other end | pc | 15 | | | | |
| | Red, 350mm long with alligator clip on one end and banana plug on the other end | pc | 15 | | | | |
| | White, 350mm long with alligator clip on one end and banana plug on the other end | pc | 10 | | | | |
| | Blue, 350mm long with alligator clip on one end and banana plug on the other end. | pc | 10 | | | | |
| D.7 | Set of Tools: | set | 1 | | | | |
| | Screwdriver, flat, 6", 1 pc/set | | | | | | |
| | Screwdriver, phillips, 6", 1 pc/set | | | | | | |
| | Long Nose Pliers, 6", 1 pair/set | | | | | | |
| | Mechanical Wire Cutter and Pliers, 6.5", 1 pair/set | | | | | | |
| | Soldering Iron, 60 watts, 1 pc/set | | | | | | |
| | Ball Peen Hammer, handle length is 11", 350g approx. weight, 1 pc/set | | | | | | |
| | Precision Screwdrivers Set, 6 pcs/set, with plastic casing, 1 set/set | | | | | | |
| | Tweezers, stainless steel, with curved tips, 6.5" long, 1 pair/set | | | | | | |
| | Soldering Lead, Ø1mm, Grade 60/40, Wt.: 1 lb/spool, 1 spool/set | | | | | | |
| | Soldering Paste, 50 grams/can, 1 can/set | | | | | | |
| | Sub-total (D) | | | | | | |
| E. GLASS WARES: LOT NO. 2 | | | | | | | |
| E.1 | Beaker, 100 ml, borosilicate | pc | 20 | | | | |
| | Beaker, 1000 ml., borosilicate | pc | 5 | | | | |
| | Beaker, 250 ml., borosilicate | pc | 35 | | | | |
| | Beaker, 50 ml, borosilicate | pc | 10 | | | | |
| | Beaker, 500 ml, borosilicate | pc | 10 | | | | |
| E.2 | Graduated Cylinder, 10 ml. capacity | pc | 25 | | | | |
| | Graduated Cylinder, 100 ml. capacity | pc | 25 | | | | |
| E.3 | Reagent Bottle, narrow-mouth, amber glass (250 ml, capacity) | pc | 5 | | | | |
| | Reagent Bottle, wide-mouth, transparent glass (250 ml, capacity) | pc | 5 | | | | |
| E.4 | Vial, screw-neck, 25 ml. (with screw-type plastic cap) | pc | 20 | | | | |
| | Vial, screw-neck, 50 ml. (with screw-type plastic cap) | pc | 40 | | | | |
| | Sub-total (E) | | | | | | |
| Market Items, Line Items | | | | | | | |
| F. SCIENCE EQUIPMENT, SUPPLIES, AND CONSUMABLES: LOT NO. 3 | | | | | | | |
| F.1 | Balance, triple-beam | unit | 11 | | | | |
| F.2 | Basic Lens Set, acrylic | set | 5 | | | | |
| F.3 | Beaker Tong | pc | 5 | | | | |
| F.4 | Bunsen Burner, gas-type | unit | 1 | | | | |
| F.5 | Cork Borers | set | 2 | | | | |
| F.6 | Cup Anemometer with Wind Vane, handheld, digital direct reading | unit | 2 | | | | |
| F.7 | DC Ammeter | unit | 5 | | | | |
| F.8 | DC Voltmeter | unit | 5 | | | | |
| F.9 | Desk Lamp, Heavy Base | unit | 5 | | | | |
| F.10 | Dissecting Set with pan | set | 5 | | | | |
| F.11 | Dry Cell Holder, for single size D dry cell | pc | 20 | | | | |
| F.12 | Electrical Conductivity Apparatus | unit | 1 | | | | |
| F.13 | Electronic Pocket Scale, 120g capacity | unit | 5 | | | | |
| F.14 | Filter Paper, ordinary, 600mm x 600mm sheet | sheet | 90 | | | | |
| F.15 | Galvanometer | unit | 5 | | | | |
| F.16 | Hand Gloves, acid/solvent-resistant, super nitrile | pair | 26 | | | | |
| F.17 | Helical Spring | pc | 10 | | | | |
| F.18 | Hexagonal Weigh Dishes Set, 50mL, 500 pcs/pack | pack | 1 | | | | |
| F.19 | Laboratory Hot Plate | unit | 1 | | | | |
| F.20 | Landform Demonstration Kit | kit | 5 | | | | |
| F.21 | Laser Light, line laser type | pc | 5 | | | | |
| F.22 | Lens Paper, 50's/pack | pack | 10 | | | | |

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|--|---|---------------|--------------------------------|--|---|--|---|
| | ITEMS | | | | | | |
| F.23 | LPG tank with Gas, 11 kg. capacity, with accessories | unit | 1 | | | | |
| F.24 | Magnetic Compass | pc | 5 | | | | |
| F.25 | Microscope Prepared Slide Set, 25's | set | 1 | | | | |
| F.26 | Microscope, Compound, 4 Objectives | unit | 20 | | | | |
| F.27 | Miniature Light Bulb Holder Assembly | assy | 15 | | | | |
| F.28 | Mirror Set, acrylic | set | 5 | | | | |
| F.29 | Optical Bench Set | set | 5 | | | | |
| F.30 | Pair of Bar Magnets | pair | 2 | | | | |
| F.31 | pH Meter, range 0 to 14 Ph | unit | 1 | | | | |
| F.32 | Prism | pc | 5 | | | | |
| F.33 | Rain Gauge | unit | 5 | | | | |
| F.34 | Reaction Plates with 6 Wells | pc | 5 | | | | |
| F.35 | Resistance Board | unit | 5 | | | | |
| F.36 | Ring and Ball Apparatus | unit | 5 | | | | |
| F.37 | Rock Samples, 24 pcs/set, (minerals of 3 rock types) | set | 1 | | | | |
| F.38 | Safety Goggles, polycarbonate | pair | 20 | | | | |
| F.39 | Sedimentator Tube | pc | 10 | | | | |
| F.40 | Sling Psychrometer | unit | 5 | | | | |
| F.41 | Slinky Coil, metal | unit | 10 | | | | |
| F.42 | Soil pH, Moisture, Sunlight Meter | unit | 5 | | | | |
| F.43 | Soil Sieve | set | 1 | | | | |
| F.44 | Stopwatch, digital | pc | 14 | | | | |
| F.45 | Surgical Gloves | box | 1 | | | | |
| F.46 | Switch, knife-type | unit | 5 | | | | |
| F.47 | Tectonics Demonstrator Model (Demonstration Kit) | kit | 1 | | | | |
| F.48 | Telescope, Astronomical (Reflecting) | unit | 1 | | | | |
| F.49 | Test Tube Brush | pc | 15 | | | | |
| F.50 | Ticker Timer Set | set | 5 | | | | |
| F.51 | Toploading Electronic Balance | unit | 1 | | | | |
| F.52 | Tornado Vortex Bottle Connector | pc | 20 | | | | |
| F.53 | Universal pH Paper, pH 0-14, 100 strips/pack | pack | 5 | | | | |
| | Sub-total (F) | | | | | | |
| G. MATHEMATICS EQUIPMENT: LOT NO. 4 | | | | | | | |
| G.1 | Beam Balance, double platform, 2000-gram capacity | unit | 1 | | | | |
| G.2 | Compass (for Student) | pc | 20 | | | | |
| G.3 | Geoboard, 11 x 11 | pc | 5 | | | | |
| G.4 | Graphing board, 1.2m x 1m, green, movable | unit | 1 | | | | |
| G.5 | Graphing Calculator, non-projectable | unit | 1 | | | | |
| G.6 | Probability Kit | kit | 1 | | | | |
| G.7 | Protractor, (for Student) | pc | 20 | | | | |
| G.8 | Scientific Calculator | unit | 10 | | | | |
| G.9 | Utility Kitchen/Spring Scale | unit | 1 | | | | |
| G.10 | Weighing Scale | unit | 1 | | | | |
| | Sub-total (G) | | | | | | |
| H. 3D MODELS AND GLOBES: LOT NO. 5 | | | | | | | |
| H.1 | Animal Cell Model | unit | 1 | | | | |
| H.2 | Celestial Globe | unit | 1 | | | | |
| H.3 | Cross section Volcano Model | unit | 1 | | | | |
| H.4 | DNA Model | unit | 1 | | | | |
| H.5 | Earth Globe, ordinary | unit | 1 | | | | |
| H.6 | Geometrical model set, 2 types of cones | set | 1 | | | | |
| H.7 | Geometrical model set, 2 types of cylinders | set | 1 | | | | |
| H.8 | Geometrical model set, 3 types of prisms | set | 1 | | | | |
| H.9 | Geometrical model set, 3 types of pyramids | set | 1 | | | | |
| H.10 | Geometrical model set, Spheres | set | 1 | | | | |
| H.11 | Model of Cone in a Cylinder | set | 1 | | | | |
| H.12 | Model of Earth Internal Structure, 1/4 part detachable, Ø 12" minimum | unit | 1 | | | | |
| H.13 | Model of Pyramid in a Prism | set | 1 | | | | |
| H.14 | Model of Sphere in a Cylinder | set | 1 | | | | |
| H.15 | Model, Animal Meiosis | unit | 1 | | | | |
| H.16 | Model, Animal Mitosis | unit | 1 | | | | |
| H.17 | Model, Human Skeleton | unit | 1 | | | | |
| H.18 | Model, Human Torso | unit | 1 | | | | |
| H.19 | Motor-Generator Model Experiment Set | set | 5 | | | | |
| H.20 | Plant Cell Model | unit | 1 | | | | |
| H.21 | Relief Globe | pc | 1 | | | | |
| H.22 | Seismograph Model | unit | 1 | | | | |
| H.23 | Solar System Model | unit | 1 | | | | |
| H.24 | Student Organic Chemistry Molecular Model Set | set | 1 | | | | |
| H.25 | Sublevel Orbitals of the Atom Models (Quantum Models) | set | 1 | | | | |
| H.26 | Sun Internal Structure Model, 1/4 part detachable, 32cm diameter | unit | 1 | | | | |
| H.27 | Sun-Earth-Moon Model | unit | 1 | | | | |
| | Sub-total (H) | | | | | | |
| I. GLASS WARES, PLASTIC WARES, AND PORCELAIN WARES: LOT NO. 6 | | | | | | | |
| I.1 | Alcohol Burner, glass, 150 ml. Capacity | pc | 15 | | | | |
| I.2 | Alcohol Thermometer, -20°C to 110°C | pc | 20 | | | | |

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|---|--|---------------|--------------------------------|--|---|--|---|
| | ITEMS | | | | | | |
| I.3 | Electrolysis Apparatus, student-type | pc | 5 | | | | |
| I.4 | Erlenmeyer Flask, 250 ml., borosilicate | pc | 25 | | | | |
| I.5 | Evaporating Dish, 75 ml. capacity | pc | 25 | | | | |
| I.6 | Glass Funnel | pc | 15 | | | | |
| I.7 | Graduated Cup, 250 ml. capacity, plastic, transparent | pc | 5 | | | | |
| I.8 | Graduated Pipette, 10 ml., with rubber pipettor | set | 5 | | | | |
| I.9 | Meterstick, plastic | pc | 10 | | | | |
| I.10 | Mortar and Pestle, porcelain | set | 15 | | | | |
| I.11 | Petri Dish | pc | 15 | | | | |
| I.12 | Spatula, porcelain and glazed | pc | 5 | | | | |
| I.13 | Stirring Rod, Ø 6mm x 250mm long | pc | 20 | | | | |
| I.14 | Test Tube, Ø 16mm x 150mm long | pc | 90 | | | | |
| I.15 | Volumetric Flask, 250 mL | pc | 5 | | | | |
| I.16 | Wash Bottle, plastic, 250 ml. | pc | 20 | | | | |
| I.17 | Watch Glass | pc | 20 | | | | |
| I.18 | Glass Tubing, Ø 6mm x Ø 4mm x 1220mm long | lh | 5 | | | | |
| I.19 | Plastic Round Canister, 500 mL | pc | 5 | | | | |
| I.20 | Beral Pipette Dropper, 1 ml. capacity | pc | 35 | | | | |
| | Sub-total (I) | | | | | | |
| J. CHEMICALS: LOT NO. 7 | | | | | | | |
| J.1 | Copper Sulfate, CuSO ₄ , 100 grams / bottle | bottle | 2 | | | | |
| J.2 | Hydrochloric Acid, HCl, laboratory grade, 500ml / bottle | bottle | 3 | | | | |
| J.3 | Hydrochloric Acid, HCl, technical grade, 500 ml / bottle | bottle | 2 | | | | |
| J.4 | Magnesium Ribbon, 25 grams/roll (60 to 75 feet long) | roll | 2 | | | | |
| J.5 | Manganese Dioxide, 50 grams / bottle | bottle | 2 | | | | |
| J.6 | Phenolphthalein Indicator, 100 grams / bottle | bottle | 2 | | | | |
| J.7 | Potassium Chloride, 100 grams / bottle | bottle | 2 | | | | |
| J.8 | Potassium Iodide, 100 grams / bottle | bottle | 2 | | | | |
| J.9 | Sodium Hydroxide (Lye), 250 grams / bottle | bottle | 2 | | | | |
| J.10 | Sulfur Powder, 100 grams / bottle | bottle | 2 | | | | |
| J.11 | Sulfuric Acid, technical grade, 500 ml / bottle | bottle | 2 | | | | |
| J.12 | Zinc Chloride, 100 grams / bottle | bottle | 2 | | | | |
| J.13 | Baking Soda (NaHCO ₃), 200 grams / bottle | bottle | 2 | | | | |
| J.14 | Boric Acid, 100 grams / bottle | bottle | 2 | | | | |
| | Sub-total (J) | | | | | | |
| TOTAL MARKET ITEMS | | | | | | | |
| GRAND TOTAL (MASS PRODUCTION AND MARKET ITEMS) | | | | | | | |