



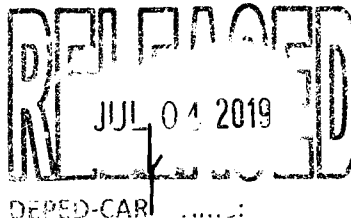
Republic of the Philippines
DEPARTMENT OF EDUCATION
CORDILLEA ADMINISTRATIVE REGION
Wangal, La Trinidad, Benguet

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July 3, 2019

REGIONAL MEMORANDUM
NO. 202.2019



DELIVERY OF SCIENCE AND MATHEMATICS AND TVL TOOLS AND EQUIPMENT

**TO: Schools Division Superintendents
All Others Concerned**

1. Unnumbered memorandum dated June 10, 2019 emanated from the office of Director Diosdado M. San Antonio, OIC-OUCI advised this office on the deliveries of Science and mathematics and TVL Tools and equipment which started Mach 2019 and expected to be completed in the first quarter of 2020.
2. Relative to the foregoing, all SDOs are directed to inform all concerned schools, provide proper guidance and technical assistance to schools to ensure the proper inspection and acceptance of the LTEs including the conduct of training to the three (3) identified teachers in the schools that are recipients of ICT equipment.
3. Consolidated report on this activity shall be submitted after the deliveries in all schools in the division is completed.
4. Refer to attached memorandum for details.
5. For compliance of all concerned.


MAY B. ECLAR, Ph.D., CESO V
Regional Director 

CLMD/EMF/cdbjr.



Undersecretary for Curriculum and Instruction

MEMORANDUM

TO : **MAY B. ECLAR**
Regional Director
Regional Office CAR
Department of Education

FROM : **DIOSDADO M. SAN ANTONIO**
Director IV
Officer-In-Charge, Office of the Undersecretary
Curriculum and Instruction

SUBJECT : **DELIVERY OF SCIENCE AND MATHEMATICS EQUIPMENT AND TVL TOOLS AND EQUIPMENT**

DATE : **June 10, 2019**

Please be advised that the delivery of the following procured goods started last March 2019 and is expected to be completed during the 1st Quarter of 2020, to wit:

- 1) FY 2018 Projects implemented by Bureau of Learning Resources
 - Mass Production, Supply, and Delivery of Science and Mathematics Equipment Packages to 686 Public Junior High Schools for Grades 7 to 10 and 402 Public Senior High Schools for Grades 11 and 12 and
 - Supply, Delivery, Installation, Configuration, Testing, Commissioning, Training, and Maintenance for Various Tools and Equipment for 9,069 Technical-Vocational-Livelihood (TVL) Programs of 2,195 TVL Senior High Schools
- 2) FY 2017 Projects implemented by Department of Budget and Management – Procurement Service
 - Supply and Delivery of 3,577 Science and Mathematics Equipment Packages to 1,887 Public Elementary Schools for Grades 4 to 6

Relative to this, BLR-Cebu is providing your office with the following:

1. List of Science and Mathematics Equipment (SME) for Grades 7 to 10 that will be delivered to Public Junior High Schools (*attached as Annex A*);
2. List of Science and Mathematics Equipment (SME) for Grades 11 and 12 that will be delivered to Public Senior High School (*attached as Annex B*);
3. List of Science and Mathematics Equipment (SME) for Grades 4 to 6 that will be delivered to Public Elementary Schools (*attached as Annex C*);
4. List of Information Technology Devices and for Accessories that will be delivered to Public TVL Senior High Schools (*attached as Annex D*);

5. List of the 5 Public Junior High Schools, with their respective Division Offices, that will receive Grades 7 to 10 SME (*attached as Annex E*);
6. List of the 11 Public Senior High schools, with their respective Division Offices, that will receive Grades 11 and 12 SME (*attached as Annex F*);
7. List of the 15 Public Elementary Schools, with their respective Division offices, that will receive Grades 4 to 6 SME (*attached as Annex G*);
8. List of the 13 Public TVL Senior High Schools, with their respective Division Offices, that will receive Information Technology Devices and Accessories (*attached as Annex H*).

Your office is hereby requested to facilitate the information dissemination of the ongoing delivery to the school division offices and recipient schools in your area of jurisdiction. The indicative schedule of delivery is as follows:

1) For BLR Projects:

- o Science and Mathematics Equipment delivery to Public Junior High Schools will commence from June 2019 to February 2020;
- o Science and Mathematics Equipment delivery to Public Senior High Schools will commence from June 2019 to February 2020; and
- o Information Technology Devices and Accessories will commence from June 2019 to February 2020.

2) DBM-PS Project:

- o Science and Mathematics Equipment delivery to Public Elementary Schools will commence from March to July 2019.

The recipient schools of the Information Technology Devices and Accessories is further requested to identify at least three (3) TVL teachers who will be trained on operation and maintenance of the delivered goods during the actual day of delivery.

The recipient schools are also reminded to accomplish all the delivery documents and submit immediately one copy of the Inspection and Acceptance Report to their Regional Office and one copy of Inspection and Acceptance Report, Delivery Receipt, and Master Packing List to their school division office.

In cases where the Supplier could not deliver the procured goods to the recipient schools due to natural or man-made calamity (force majeure or fortuitous event), the Regional Office and schools division office are hereby advised to provide assistance to the Supplier as to where the procured goods be temporarily delivered until such time that the calamity has ended and the delivery to schools by the supplier is possible.

For further questions and queries, you can contract Engr. Ruben C. Zaragoza, Engr. Ralph H. Heri, Mr. Jaymar N. Arioja or Ms. Natalie O. Olis at telephone no. (032) 255-3633 to 35 or through email at blr.ceb@deped.gov.ph.

BUREAU OF LEARNING RESOURCES - CEBU

PROJECT: MASS PRODUCTION AND SUPPLY AND DELIVERY OF SCIENCE AND MATHEMATICS EQUIPMENT PACKAGES TO 686 PUBLIC JUNIOR HIGH SCHOOLS FOR GRADES 7 TO 10

G7-G10 SCIENCE AND MATHEMATICS EQUIPMENT:

	PARTICULARS	Unit of Issue	Qty per Set or Qty per Package
MASS PRODUCTION:			
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	Multiclamp 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 004 (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

PARTICULARS		Unit of Issue	Qty per Set or Qty per Package
	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
B. SCIENCE AND MATHEMATICS EQUIPMENT:			
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
C. STORAGE CABINETS:			
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
Market Items:			
D. SCIENCE EQUIPMENT, SUPPLIES, AND CONSUMABLES:			
D.1	Aneroid Barometer Set (Demonstration Type)	unit	1
	Aneroid Barometer Set (Wall Type)	unit	1
	Cork Stopper # 16 with 1 hole	pc	16
D.2	Cork Stopper # 16 with 2 holes	pc	16
	Cork Stopper # 5 (for Ø 16mm test tube)	pc	34
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
	Rubber Stopper # 0 (for Ø 16mm test tube)	pc	34
D.5	Rubber Stopper # 6 with 1 hole	pc	16
	Rubber Stopper # 6 with 2 holes	pc	26
	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
D.6	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
	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		
D.7	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		

	PARTICULARS	Unit of Issue	Qty per Set or Qty per Package
	Tweezers, stainless steel, with curved tips, 6.5" long, 1 pair/set		
	Soldering Lead, ϕ 1mm, Grade 60/40, WL: 1 lb/spool, 1 spool/set		
	Soldering Paste, 50 grams/can, 1 can/set		
E. GLASS WARES:			
	Beaker, 100 ml, borosilicate	pc	20
	Beaker, 1000 ml, borosilicate	pc	5
E.1	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
F. SCIENCE EQUIPMENT, SUPPLIES, AND CONSUMABLES:			
F.1	Basic Lens Set, acrylic	set	5
F.2	Beaker Tong	pc	5
F.3	Bunsen Burner, gas-type	unit	1
F.4	Cord, Borcis	set	2
F.5	Cup Anemometer with Wind Vane, handheld, digital direct reading	unit	2
F.6	DC Ammeter	unit	5
F.7	DC Voltmeter	unit	5
F.8	Desk Lamp, Heavy Base	unit	5
F.9	Dissecting Set with pan	set	5
F.10	Dry Cell Holder, for single size D dry cell	pc	20
F.11	Electronic Pocket Scale, 120g capacity	unit	5
F.12	Filter Paper, ordinary, 600mm x 600mm sheet	sheet	90
F.13	Galvanometer	unit	5
F.14	Hand Gloves, acid/solvent-resistant, super nitrile	pair	26
F.15	Helical Spring	pc	10
F.16	Hexagonal Weigh Dishes Set, 50ml., 500 pcs/pack	pack	1
F.17	Laboratory Hot Plate	unit	1
F.18	Landform Demonstration Kit	kit	5
F.19	Laser Light, line laser type	pc	5
F.20	Lens Paper, 50's/pack	pack	10
F.21	LPG tank with Gas, 11 kg. capacity, with accessories	unit	1
F.22	Magnetic Compass	pc	5
F.23	Miniature Light Bulb Holder Assembly	assy	15
F.24	Mirror Set, acrylic	set	5
F.25	Pair of Bar Magnets	pair	2
F.26	pH Meter, range 0 to 14 Ph	unit	1
F.27	Prism	pc	5
F.28	Rain Gauge	unit	5
F.29	Reaction Plates with 6 Wells	pc	5
F.30	Resistance Board	unit	5
F.31	Ring and Ball Apparatus	unit	5
F.32	Rock Samples, 24 pcs/set, (minerals of 3 rock types)	set	1
F.33	Safety Goggles, polycarbonate	pair	20
F.34	Sedimentator Tube	pc	10
F.35	Slung Psychrometer	unit	5
F.36	Shoily Coil, metal	unit	10

	PARTICULARS	Unit of Issue	Qty per Set or Qty per Package
F.37	Soil pH, Moisture, Sunlight Meter	unit	5
F.38	Soil Sieve	set	1
F.39	Stopwatch, digital	pc	14
F.40	Surgical Gloves	box	1
F.41	Switch, knife-type	unit	5
F.42	Tectonics Demonstrator Model (Demonstration Kit)	kit	1
F.43	Test Tube Brush	pc	15
F.44	Ticker Timer Set	set	5
F.45	Toploading Electronic Balance	unit	1
F.46	Tornado Vortex Bottle Connector	pc	20
F.47	Universal pH Paper, pH 0-14, 100 strips/pack	pack	5
G. MATHEMATICS EQUIPMENT:			
G.1	Compass (for Student)	pc	20
G.2	Geoboard, 11 x 11	pc	5
G.3	Graphing board, 1.2m x 1m, green, movable	unit	1
G.4	Graphing Calculator, non-projectable	unit	1
G.5	Probability Kit	kit	1
G.6	Protractor, (for Student)	pc	20
G.7	Scientific Calculator	unit	10
H. 3D MODELS AND GLOBES:			
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	Sismograph 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
I. GLASS WARES, PLASTIC WARES, AND PORCELAIN WARES:			
I.1	Alcohol Burner, glass, 150 ml. Capacity	pc	15
I.2	Alcohol Thermometer, -20°C to 110°C	pc	20
I.3	Electrolysis Apparatus, student-type	pc	5

PARTICULARS		Unit of Issue	Qty per Set or Qty per Package
L4	Erlenmeyer Flask, 250 ml., borosilicate	pc	25
L5	Evaporating Dish, 75 ml. capacity	pc	25
L6	Glass Funnel	pc	15
L7	Graduated Cup, 250 ml. capacity, plastic, transparent	pc	5
L8	Graduated Pipette, 10 ml., with rubber pipettor	set	5
L9	Meterstick, plastic	pc	10
L10	Mortar and Pestle, porcelain	set	15
L11	Petri Dish	pc	15
L12	Spatula, porcelain and glazed	pc	5
L13	Stirring Rod, Ø 6mm x 250mm long	pc	20
L14	Test Tube, Ø 16mm x 150mm long	pc	90
L15	Volumetric Flask, 250 ml.	pc	5
L16	Wash Bottle, plastic, 250 ml.	pc	20
L17	Watch Glass	pc	30
J. CHEMICALS:			
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	Zinc metal, pellets/mossy, 100 grams / bottle	bottle	2

**PROJECT: MASS PRODUCTION AND SUPPLY AND DELIVERY OF SCIENCE AND MATHEMATICS EQUIPMENT
PACKAGES TO 402 PUBLIC SENIOR HIGH SCHOOLS FOR GRADES 11 AND 12**

G11-G12 SCIENCE AND MATHEMATICS EQUIPMENT:

Item No.	EQUIPMENT / INSTRUCTIONAL MATERIALS	Unit of Issue	Qty per Set or Qty per Package
MASS PRODUCTION:			
A) SCIENCE EQUIPMENT (CART-RAIL SYSTEM & STAND SETUP):			
	NSTIC-developed Cart-Rail System		
	Cart-spring loaded	unit	8
	Cart-with counterweight	unit	8
	Cylindrical Mass, 50-gram	pc	40
	Driving Mass, 3-gram	pc	40
	Leveling Pad Assembly	assy	8
	Plastic Hammer	pc	8
	Storage Case 002 (with Cover and Base Sheathing)(Mechanics)	pc	8
	Rail	lh	16
	Stopper-Fork Assembly	assy	8
	NSTIC-developed Stand Setup		
	Stand Base	pc	24
	Stand Support	pc	32
A.1	Stand Rod \varnothing 9.5mm x 250mm long	lh	16
	Stand Rod \varnothing 9.5mm x 500mm long	lh	8
	Multiclamp Assembly	assy	8
	Universal Bosshead Assembly	assy	16
	Universal Clamp Assembly	assy	16
	Ring with stem	pc	8
	Wire Gauze	pc	8
	Motorized Cart	unit	?
	Hose Level, 3-meter	lh	8
	Dry Cell, 1.5 V, size AA	pc	8
	Modelling Clay	bar	8
	String (thick)	ball	8
	String (thin)	ball	8
	Plastic Storage Box	pc	1
B) SCIENCE EQUIPMENT (TRANSFORMER, POWER SUPPLY, & TRIPOD):			
	NSTIC-developed Set of Coils (Transformer)	set	8
B.1	NSTIC-developed Tripod	pc	8
	NSTIC-developed Variable Power Supply with 5 pcs. Terminal Board	set	3
C) STORAGE CABINETS FOR SCIENCE EQUIPMENT:			
C.1	Storage Cabinets (for non-corrosive materials)(for Science)	unit	3
MARKET ITEMS:			
D) SCIENCE EQUIPMENT:			
D.1	Balance, triple-beam	unit	9
D.2	Desk Lamp, Heavy Base	unit	8
D.3	Diffraction slits & Diffraction grating Set	set	8
D.4	Dissecting Set with pan	set	8
D.5	Electronic Pocket Scale, 120g capacity	unit	8
D.6	Hexagonal Weigh Dishes Set, 50mL, 500 pcs/package	pack	8
D.7	Landform Demonstration Kit	kit	5
D.8	Laser Light, line laser type	unit	8
D.9	Microscope, Compound, 4 Objectives	unit	16
D.10	Ripple Tank Set	set	4
D.11	Sedimentator Tube	pcs	20
D.12	Soil pH, Moisture, Sunlight Meter	pcs	8
D.13	Soil Sieve	set	1
D.14	Strobe Light	unit	1
D.15	Tectonics Demonstrator Model (Demonstration Kit)	kit	1
D.16	Telescope, astronomical	unit	1

Item No.	EQUIPMENT / INSTRUCTIONAL MATERIALS	Unit of Issue	Qty per Set or Qty per Package
D.17	Vacuum Tube and Manual Vacuum Pump	set	8
E) MATHEMATICS EQUIPMENT:			
E.1	Graphing Calculator, non-projectable	unit	8
E.2	Scientific Calculator	unit	8
F) 3D MODELS AND GLOBES:			
F.1	Celestial Globe	unit	1
F.2	Fossil History 3D Model, with plastic fossil replica	unit	1
F.3	Model of Earth Internal Structure, 1/4 part detachable, Ø 12" minimum	Unit	1
F.4	Model, Human Torso	unit	1

Project: Supply and Delivery of 3,577 Science and Mathematics Equipment Packages to
1,887 Public Elementary Schools for Grades 4 to 6

G4 TO G6 SCIENCE AND MATHEMATICS EQUIPMENT:

ITEM NO.	ITEMS	QTY per Set or QTY per Package	Unit of Issue
1	Braced Fresh Water Acrylic Aquarium	1	set
2	First Aid Kit	1	kit
3	Relief Globe	1	pc

BUREAU OF LEARNING RESOURCES

PROJECT: FY 2018 Provision of Tools and Equipment for TML Programs of TML SHS

CO Procurement

Lots 1 to 3 TML ITDA (Information Technology Devices and Accessories)

List of Information Technology Devices and for Accessories (ITDA) to be Delivered to Public Senior High Schools

Item No.	Item Name	Quantity per Package	Unit of Issue
1	3 IN 1 MULTIFUNCTION INKJET PRINTER	1	unit
2	AUTOMATIC VOLTAGE REGULATOR	10	unit
3	HOST PC (STANDALONE)	25	set
4	WIRELESS ROUTER	1	unit

**PROJECT: MASS PRODUCTION AND SUPPLY AND DELIVERY OF SCIENCE AND MATHEMATICS
EQUIPMENT PACKAGES TO 686 PUBLIC JUNIOR HIGH SCHOOLS FOR GRADES 7 TO 10
CAR**

NUMBER OF RECIPIENT PUBLIC JUNIOR HIGH SCHOOLS BY CAR: 5

Item No.	Division	school_id	school_name	No. of Sets (or No. of Packages) of SME
1	Abra	305075	Abra HS	4
2	Baguio City	305281	Pines City National High School	4
3	Baguio City	305269	Baguio City High School - Main	6
4	Benguet	305133	Benguet National High School Main	5
5	Tabuk City	305221	Tabuk City National High School	5
			Total	24

PROJECT: MASS PRODUCTION AND SUPPLY AND DELIVERY OF SCIENCE AND MATHEMATICS EQUIPMENT PACKAGES TO 402 PUBLIC SENIOR HIGH SCHOOLS FOR GRADES 11 AND 12

CAR

NUMBER OF RECIPIENT PUBLIC SENIOR HIGH SCHOOLS IN CAR: 11

Item No.	School ID	Division Office	School Name	No. of Sets (or No. of Packages) of Core SMI
1	305086	Abra	Gaddani BIE	1
2	305107	Apayao	Apayao Science High School	1
3	305109	Apayao	Sta. Marcela BIE	1
4	305275	Bagyo City	Milan National High School	1
5	318908	Benguet	Gov. Bado Dangwa Agro-Industrial School-Extension (Tabaao)	1
6	305154	Benguet	Madaymen National High School	1
7	305185	Iligao	Mayoyao BIE	1
8	305211	Kalinga	Magtoma Pangol National High School Main	1
9	305247	ML Province	Lubon National High School	1
10	305239	ML Province	Butigue National High School	1
11	305212	Tabuk City	Bambacan Agro-Industrial National High School	1
			Total	11

BUREAU OF LEARNING RESOURCES

PROJECT: SUPPLY AND DELIVERY OF 3,577 SCIENCE AND MATH EQUIPMENT PACKAGES TO 1,887 PUBLIC ELEMENTARY SCHOOLS FOR GRADES 4 TO 6

CAR

LIST OF THE 15 RECIPIENT PUBLIC ELEMENTARY SCHOOLS IN CAR:

Item No.	Region	Division	School ID	School Name	Number of Sets or Number of Packages of SME
1	CAR	Baguio City	136387	Baguio Central School	3
2	CAR	Baguio City	136394	Lucban Elementary School	2
3	CAR	Baguio City	136403	Apolinario Mabini ES	2
4	CAR	Baguio City	136385	Josefa Cariño Elementary School	2
5	CAR	Baguio City	136387	Quezon Hill Elementary School	2
6	CAR	Baguio City	136404	Rizal Elementary School	2
7	CAR	Baguio City	136409	Fort del Pilar Elementary School	1
8	CAR	Baguio City	136388	Epifanio R. Quirino Elementary School	1
9	CAR	Baguio City	136415	Manuel A. Roxas Elementary School	1
10	CAR	Baguio City	136400	Dona Aurora Elementary School	1
11	CAR	Benguet	135624	La Trinidad CS	2
12	CAR	Benguet	135634	Puguis Elementary School	1
13	CAR	Benguet	135623	Buyagan ES	1
14	CAR	Tabuk City	136012	Tabuk City Central School	2
15	CAR	Tabuk City	136086	Bulanao Central School	2
				Total	25

Part of Education
UOI LEARNING RESOURCES

UOI 2013 Revision of Tools and Equipment for VU Programs at VU SHS
Equipment

VU UOI Information Technology Services and Accessories
EQUIPMENT SCHOOLS 13 RECEIVED SHS 13 PACKAGES

for	Division	School ID	School Name	Municipality	Equipment	Serial Number	Lot Number
		30501	Alger National High School	ALGER	30501001	30501001	1
		30502	Alger National High School	ALGER	30502001	30502001	1
		30503	Alger National High School	ALGER	30503001	30503001	1
		30504	Alger National High School	ALGER	30504001	30504001	1
		30505	Alger National High School	ALGER	30505001	30505001	1
		30506	Alger National High School	ALGER	30506001	30506001	1
		30507	Alger National High School	ALGER	30507001	30507001	1
		30508	Alger National High School	ALGER	30508001	30508001	1
		30509	Alger National High School	ALGER	30509001	30509001	1
		30510	Alger National High School	ALGER	30510001	30510001	1
		30511	Alger National High School	ALGER	30511001	30511001	1
		30512	Alger National High School	ALGER	30512001	30512001	1
		30513	Alger National High School	ALGER	30513001	30513001	1
		30514	Alger National High School	ALGER	30514001	30514001	1
		30515	Alger National High School	ALGER	30515001	30515001	1
		30516	Alger National High School	ALGER	30516001	30516001	1
		30517	Alger National High School	ALGER	30517001	30517001	1
		30518	Alger National High School	ALGER	30518001	30518001	1
		30519	Alger National High School	ALGER	30519001	30519001	1
		30520	Alger National High School	ALGER	30520001	30520001	1
		30521	Alger National High School	ALGER	30521001	30521001	1
		30522	Alger National High School	ALGER	30522001	30522001	1
		30523	Alger National High School	ALGER	30523001	30523001	1
		30524	Alger National High School	ALGER	30524001	30524001	1
		30525	Alger National High School	ALGER	30525001	30525001	1
		30526	Alger National High School	ALGER	30526001	30526001	1
		30527	Alger National High School	ALGER	30527001	30527001	1
		30528	Alger National High School	ALGER	30528001	30528001	1
		30529	Alger National High School	ALGER	30529001	30529001	1
		30530	Alger National High School	ALGER	30530001	30530001	1
		30531	Alger National High School	ALGER	30531001	30531001	1
		30532	Alger National High School	ALGER	30532001	30532001	1
		30533	Alger National High School	ALGER	30533001	30533001	1
		30534	Alger National High School	ALGER	30534001	30534001	1
		30535	Alger National High School	ALGER	30535001	30535001	1
		30536	Alger National High School	ALGER	30536001	30536001	1
		30537	Alger National High School	ALGER	30537001	30537001	1
		30538	Alger National High School	ALGER	30538001	30538001	1
		30539	Alger National High School	ALGER	30539001	30539001	1
		30540	Alger National High School	ALGER	30540001	30540001	1
		30541	Alger National High School	ALGER	30541001	30541001	1
		30542	Alger National High School	ALGER	30542001	30542001	1
		30543	Alger National High School	ALGER	30543001	30543001	1
		30544	Alger National High School	ALGER	30544001	30544001	1
		30545	Alger National High School	ALGER	30545001	30545001	1
		30546	Alger National High School	ALGER	30546001	30546001	1
		30547	Alger National High School	ALGER	30547001	30547001	1
		30548	Alger National High School	ALGER	30548001	30548001	1
		30549	Alger National High School	ALGER	30549001	30549001	1
		30550	Alger National High School	ALGER	30550001	30550001	1
		30551	Alger National High School	ALGER	30551001	30551001	1
		30552	Alger National High School	ALGER	30552001	30552001	1
		30553	Alger National High School	ALGER	30553001	30553001	1
		30554	Alger National High School	ALGER	30554001	30554001	1
		30555	Alger National High School	ALGER	30555001	30555001	1
		30556	Alger National High School	ALGER	30556001	30556001	1
		30557	Alger National High School	ALGER	30557001	30557001	1
		30558	Alger National High School	ALGER	30558001	30558001	1
		30559	Alger National High School	ALGER	30559001	30559001	1
		30560	Alger National High School	ALGER	30560001	30560001	1
		30561	Alger National High School	ALGER	30561001	30561001	1
		30562	Alger National High School	ALGER	30562001	30562001	1
		30563	Alger National High School	ALGER	30563001	30563001	1
		30564	Alger National High School	ALGER	30564001	30564001	1
		30565	Alger National High School	ALGER	30565001	30565001	1
		30566	Alger National High School	ALGER	30566001	30566001	1
		30567	Alger National High School	ALGER	30567001	30567001	1
		30568	Alger National High School	ALGER	30568001	30568001	1
		30569	Alger National High School	ALGER	30569001	30569001	1
		30570	Alger National High School	ALGER	30570001	30570001	1
		30571	Alger National High School	ALGER	30571001	30571001	1
		30572	Alger National High School	ALGER	30572001	30572001	1
		30573	Alger National High School	ALGER	30573001	30573001	1
		30574	Alger National High School	ALGER	30574001	30574001	1
		30575	Alger National High School	ALGER	30575001	30575001	1
		30576	Alger National High School	ALGER	30576001	30576001	1
		30577	Alger National High School	ALGER	30577001	30577001	1
		30578	Alger National High School	ALGER	30578001	30578001	1
		30579	Alger National High School	ALGER	30579001	30579001	1
		30580	Alger National High School	ALGER	30580001	30580001	1
		30581	Alger National High School	ALGER	30581001	30581001	1
		30582	Alger National High School	ALGER	30582001	30582001	1
		30583	Alger National High School	ALGER	30583001	30583001	1
		30584	Alger National High School	ALGER	30584001	30584001	1
		30585	Alger National High School	ALGER	30585001	30585001	1
		30586	Alger National High School	ALGER	30586001	30586001	1
		30587	Alger National High School	ALGER	30587001	30587001	1
		30588	Alger National High School	ALGER	30588001	30588001	1
		30589	Alger National High School	ALGER	30589001	30589001	1
		30590	Alger National High School	ALGER	30590001	30590001	1
		30591	Alger National High School	ALGER	30591001	30591001	1
		30592	Alger National High School	ALGER	30592001	30592001	1
		30593	Alger National High School	ALGER	30593001	30593001	1
		30594	Alger National High School	ALGER	30594001	30594001	1
		30595	Alger National High School	ALGER	30595001	30595001	1
		30596	Alger National High School	ALGER	30596001	30596001	1
		30597	Alger National High School	ALGER	30597001	30597001	1
		30598	Alger National High School	ALGER	30598001	30598001	1
		30599	Alger National High School	ALGER	30599001	30599001	1
		30600	Alger National High School	ALGER	30600001	30600001	1