General Specifications

Item	Description	STATEMENT OF COMPLIANCE (State Comply or Not Comply)	REMARKS
1	All equipment and components must be of the required level of technology, new,		
	compliant with the requested specifications, responding to current quality standards in		
	international markets, manufactured by reputable and consolidated international brands,		
	reliable and fully adequate for the intended purpose.		
2	All equipment markings, user manuals and electronic copies must be in English.		
3	All equipment shall conform and operate on the standard electric supply in the Philippines		
	(220Vac, 50/60 Hz power, type A & B power sockets)		
4	All equipment must be able to operate in the environmental conditions of the different		
	locations in The Philippines, especially considering humid environments at temperatures		
	ranging from 8°C to 45°C, dusty and moisty environments and frequently salty air.		
5	All connections between components shall be ready to operate, once installation is		
	finalized.		
6	All necessary cables, adaptors and connections must be included and clearly marked, in		
	order to facilitate rapid and accurate assembly.		
7	Bidder should execute an Undertaking that the spare parts are available nationwide for a		
	minimum period of five (5) years and that the original brand of the spare parts are made		
	available to DepEd.		
8	Imported products should pass international quality control product standards and have		
	international quality control product markings such as CE, ISO, ASTM, ASQC, AFCIQ,		
	ASQ, DGQ, EOQC, IQA, and the likes, while locally made products (Philippine-made)		
	should pass the local quality control product standards and bear the PS mark.		
9	The items must be branded and permanently marked on the items, good quality, must be		
	free from toxic materials, and must be properly packed		
10	The equipment and tools can be utilized by male and female learners.		

Item	Description	Technical Specifications	STATEMENT OF COMPLIANCE (State Comply or Not Comply)	BIDDER'S ACTUAL OFFER
MARKET IT	TEMS			
LOT 2: CHE	MICALS (MI-LOT 2)			
1	Benedict's Solution,	Functional Specifications: Used to test for levels/ traces of simple		
	100ml/bottle	reducing sugars		
2	Boric Acid, 100 grams / bottle	Functional Specifications: Used as a substrate in Flame test to visually identify boron or its specific unknown metalloid ion based on the characteristic color it emits on the Bunsen flame.		
3	Bromothymol Blue	Functional Specifications: Used as an indicator of dissolved Carbon dioxide.		
4	Calcium Chloride, 100 grams / bottle	Functional Specifications: Used as a substrate in Flame test to visually identify calcium or its ion based on the characteristic color it emits on the Bunsen flame.		
5	Copper Sulfate, CuSO4, 100 grams / bottle	Functional Specifications: Used as : a) an oxidizing agent or oxidant and is reduced in a spontaneous [chemical (redox) reaction decreasing its oxidation state with metals above it, like zinc, in the Activity Series of Metals]		
6	Gentian Violet, 100 ml / bottle	Functional Specifications: Used in microscopy as biological stain.		
7	Iodine Solution, 100 ml / bottle	Functional Specifications: Used in microscopy as biological stain.		
8	Magnesium Ribbon, 25 grams, 1 roll	Functional Specifications: Used as a reactant and is ignited over a flame to demonstrate a highly exothermic combustion reaction		
9	Manganese Dioxide, 50 grams / bottle	Functional Specifications: Used as a catalyst to demonstrate decomposition reaction of hydrogen peroxide and observe its effect on the rate of chemical reaction		

Item	Description	Technical Specifications	STATEMENT OF COMPLIANCE (State Comply or Not Comply)	BIDDER'S ACTUAL OFFER
10	Microscope's Immersion Oil, 100mL/bot	Functional Specifications: Used to increase the resolving power of the microscope's 100x objective.		
11	Phenolphthalein, 100 grams/bottle	Functional Specifications: Used as an indicator to effect a color change to distinguish an acid from a base and in perforing acid base titration		
12	Potassium Chloride, 100 grams / bottle	Functional Specifications: Used as a substrate in Flame test to visually identify a specific element or an unknown metalloid ion based on the characteristic color it emits on the Bunsen flame.		
13	Potassium Iodide, 100 grams / bottle	Functional Specifications: Used as : a) a substrate in Flame test to visually identify potassium or its ion based on the characteristic color it emits on the Bunsen flame		
14	Sodium Hydroxide (Lye), 250 grams/bottle	Functional Specifications: Used :		
15	Yeast, active dry, 100 grams / bottle	Functional Specifications: Used to break down some of the starch and sugar in the mixture to produce more yeast cells and carbon dioxide gas.		
16	Zinc Chloride, 100 grams / bottle	Functional Specifications: Used as a substrate in Flame test to visually identify zinc or its ion based on the characteristic color it emits on the Bunsen flame.		
17	Zinc metal, pellets/mossy, 100 grams / bottle	Functional Specifications: Used as a reducing agent to reduce the other reactant of a single displacement (redox reaction) with metals above it in the Activity Series of Metals		

Item	Description	Technical Specifications	STATEMENT OF COMPLIANCE (State Comply or Not Comply)	BIDDER'S ACTUAL OFFER
LOT 3: GLA	SSWARES AND LAB T	OOLS (MI-LOT 3)		
1	Beaker, borosilicate,	Functional Specifications: Used to contain/hold/prepare solids and		
	250 mL	liquids during chemical reaction and to heat them over a Bunsen burner's		
		flame up to more than 100°C for normal, standard use service		
2	Beaker, borosilicate,	Functional Specifications: Used to contain/hold/prepare solids and		
	50 mL	liquids during chemical reaction and to heat them over a Bunsen burner's flame up to more than 100 $^{\circ}$ C		
3	Burette, 10 mL	Functional Specifications: Used to hold/contain the acid up to 10 mL		
	capacity (acid)	capacity as a titrant to be delivered/ dispensed to titrate the base in acid-		
		base titration to determine unknown concentration of base		
4	Burette, 10 mL	Functional Specifications: Used to hold/contain the base as a titrant to		
	capacity (base)	be delivered/ dispensed to tirate an acid up to 10 mL capacity in acid-		
		base titration to determine unknown concentration of acid		
5	Burner, Alcohol, glass,	Functional Specifications: Used to produce hot, consistent open flame		
	150 mL Capacity	for slow/gentle heating of glasswares and substances		
6	Burner, Bunsen	Functional Specifications: Used to :		
7	Cork Stopper # 5 (for	Functional Specifications: Used to seal the openings of 16 mm diameter		
	Ø 16mm test tube)	test tubes and other laboratory glassware to prevent leaks, hazards and		
		contamination to yield positive results during chemical reactions		
8	Crucible with lid/cover	Functional Specifications: Used as a container to heat metals or other		
		substances may be melted or subjected to very high temperatures		
9	Dish, Evaporating, 75	Functional Specifications: Used to contain/hold substances and to heat		
	mL	chemical solutions gradually, driving off the water to leave residual		
10		chemical solute		
10	Distillation set-up:	Functional Specifications: Used to condense the water vapor into its		
	type	iiquid state producing a distinate		
11	Distillation set-up:	Functional Specifications: Used to hold/ contain the liquid to be distilled		
	Distilling Flask,	in distillation, as one of the simple separation technique		
12	Double burette clamp	Functional Specifications: Used to hold and secure two burettes on a		
	r r	stand, so that each burette is fixed and more convenient for the		
		experiment.		
13	Electrolysis	Functional Specifications: Used to demonstrate and describe the		
	Apparatus, student-	decomposition reactions at the electrodes during the electrolysis of		
	type (Brownlee)	water, producing 1:2 ratio of hydrogen & oxygen gases respectively, by		
		passing DC current through water.		
14	Flask, Erlenmeyer,			
	borosilicate, narrow-	Functional Specifications: Used to :		
15	mouth, 250 mL Eurnal harasilisata	Functional Specifications: Used to direct the specific flow of the liquid		
15	fluted	or fine-grained substances into another container to prevent spills		
16	Glass Tubing	Functional Specifications: Used to contain/hold/mix liquids or gases		
		during chemical reactions and to connect other pieces of		
		equipment/glasswares to a gas or liquid assembly		
17	Manometer, Open U-	Functional Specifications: Used to indicate the difference in the heights		
	tube	of the manometric liquid to measure pressure		
18	Mortar and Pestle,	Functional Specifications: Used to pulverize/mash/grind and to mix		
	porcelain, 150 mL.	materials in a mortar using a pestle		
19	Osmosis Apparatus	Functional Specifications: Used to to show that water passes through a		
		semi-permeable membrane causing a rise in the level of water in the		
20	Descent Dettle	unistie tube		
20	Reagent Bottle,	runctional Specifications: Used to contain/store and to provide UV		
	harrow-mouth, amper,	change/elteration in the composition of their contents		
	porosincate, 250 mL	change/aneration in the composition of their contents		

Item	Description	Technical Specifications	STATEMENT OF COMPLIANCE (State Comply or Not Comply)	BIDDER'S ACTUAL OFFER
21	Reagent Bottle, wide-	Functional Specifications: Used to hold/ contain/store prepared		
	mouth, transparent,	solutions/ substances		
-	borosilicate, 250 mL			
22	Rubber Stopper # 0	Functional Specifications: Used to seal the openings of 16 mm diameter		
	(for Ø 16mm test tube)	test tubes and other laboratory glassware that require a tighter seal or a		
		greater degree of chemical resistance.to prevent leaks, hazards and		
		contamination		
23	Spoon-spatula,	Functional Specifications: Used to hold/contain and transfer solids and		
	porcelain and glazed	liquids from one container to the other		
24	Stirring Rod, Ø 6 mm	Functional Specifications: Used to mix liquids and solids		
	x 250 mm long			
25	Test tube brush	Functional Specifications: Used to clean test tubes and other small sized		
26	T4 T1 -	glasswares		
26	lest lube,	Functional Specifications: Used to contain/hold a small chemical		
	borosilicate, Ø 16 mm	reaction, to mix small quantities of solids and inquids, and to near small		
27	X 150 mm long	quantities of substances		
21	Tong, Crucible	Functional Specifications: Used to fitt and hold clucibles, temove the		
		nus from crucioles, transfer evaporating disnes of picking small objects		
28	Vial carow nock 25	Functional Spacifications: Used to hold/contain/storo/mix small		
20	with screw tupo	quantities of semples/ solutions/substances up to 25 mJ		
	nin. (with screw-type	quantities of samples/ solutions/substances up to 25 mil		
20	Vial corow pook 50	Functional Specifications: Used to hold/contain/store/mix small		
23	mI (with corow type	quantities of samples/ solutions/substances up to 50 mJ		
	nlastic con)	quantities of samples/ solutions/substances up to 30 mL		
30	Watch Class Ø 00	Functional Specifications: Used to:		
50	mm	i uncuonai opecnications. Oscu to.		
	mm			

Item	Description	Technical Specifications	STATEMENT OF COMPLIANCE (State Comply or Not Comply)	BIDDER'S ACTUAL OFFER
31	Pipette, Beral, 1 mL	Functional Specifications: Used to transfer/dispense liquid samples.	• • /	
32	Tong, Beaker	Functional Specifications: Used to hold heated beakers.		
LOT 4: SCIE	NCE DEVICES, INSTR	UMENTS, AND MEASURING TOOLS – EARTH & SPACE AND L	IVING THINGS (MI-	LOT 4)
1	Balance, Toploading,	Functional Specifications: Used to measure an object's mass up to 500 g		· · · · · · · · · · · · · · · · · · ·
	Electronic	capacity accurate up to 0.01 g readability		
2	Centrifuge	Functional Specifications: Used as one of the separation techniques for		
		mixtures and compounds when the density difference between the		
		particles and liquid is great, the particles are large, and the liquid		
		viscosity is low. Separates blood at 3300 rpm and can be slowed down to		
		separate other fluids at lower of forces such as unite specificens		
3	Electrical Conductivity	Functional Specifications: Used as a visual demonstration of the		
_	(Conductivity of	electrical conductivity of various liquids/solutions.		
	Solutions) Apparatus			
4	Laboratory Hot Plate	Functional Specifications: a)Used to heat samples, glasswares and its		
	with magnetic stirrer	contents, solutions, and substances uniformly with constant stirring, or		
5	Microscope Digital	Functional Specifications: Used to focus specimen with the image		
5	When oscope, Digital	viewed through the LCD screen.		
6	Soil pH, Moisture,	Functional Specifications: Used to measure pH, moisture content of soil		
	Sunlight Meter	and measure sunlight available to the soil sample in real time		
7	Telescope,	Functional Specifications: Used to enhance the appearance of details of		
	Astronomical	celestial objects not visible to the unaided eye		
	(Reflecting)			
LOT 5: MAT	HEMATICAL MANIP	ULATIVES (MI-LOT 5)		
1	Algebra Tile Set,	Functional Specifications: Used to demonstrate algebraic concept up to		
2	Base Ten Blocks	Functional Specifications: Used to demonstrate abstract mathematical		
-		concept of the number system such as one-to-one correspondence, place		
		value, and basic addition and subtraction		
3	Beads	Functional Specifications: Used to reinforce counting, sorting, patterning		
		and sequencing.		
4	Circle Area	Functional Specifications: Used to demonstrate area of a circle.		
5	Demonstrator	Functional Specifications: Used to draw/construct arcs_semi_circles and		
5	student type	circles.		
6	Cuisenaire Rods, set of	Functional Specifications: Used to provide an interactive, hands-on way		
	5	to explore mathematics and learn mathematical concepts, such as the		
		four basic arithmetical operations, working with fractions and finding		
		divisors.		
7	Elapsed Time (Clock)	Functional Specifications: Used to demonstrate time and other related		
8	Geoboard, 11 x 11	Functional Specifications: Used to explore basic concepts in plane		
Ū	00000000000000000000000000000000000000	geometry such as perimeter, area and the characteristics of triangles and		
		other polygons.		
9	Geoboard, 5 x 5	Functional Specifications: Used to explore basic concepts in plane		
		geometry such as perimeter, area and the characteristics of triangles and		
		other polygons		
10	Geostrips	Functional Specifications: Used to make and represent different shapes.		
11	Ghost Grid	Functional Specifications: Used to aid classroom instructions especially		
	Whiteboard, Mobile	in graphical representations such as linear, quadratic, polynomial,		
	Magnetic	histogram, normal curve, etc.		
12	Linking Cubes	Functional Specifications: Used to assist with the understanding of		
		mathematical concepts		

			STATEMENT OF	
Item	Description	Technical Specifications	(State Comply or Not	BIDDER'S ACTUAL OFFER
			Comply)	
13	Model, Basic 3D	Functional:		
	Collansible	polyhedrons: aid derivation of formula (surface area and volume) of		
	compone	polyhedrons.		
14	Model, Basic 3D	Functional Specifications: Used to represent basic three-dimensional		
15	Geometrical Solids	figures.		
15	pcs/set	including congruence, similarity, symmetry, area, perimeter, patterns,		
	F - wilder	functions, fractions, and graphing		
16	Pentominoes	Functional Specifications: Used to develop spatial thinking		
17	Plastic Two-colored	Functional Specifications: Used to represent integers and demonstrate		
	Counters, 1-inch	fundamental operations on integers.		
18	Probability Kit	Functional Specifications: A set of mathematical manipulative used to		
		demonstrate different concept-formation activities in probability.		
19	Tangrams, set of 30	Functional Specifications: Used to introduce spatial relationships		
LOT 9: CHE	MICALS (MI-LOT 9)			
1	Benedict's Solution,	Functional Specifications: Used to test for levels/ traces of simple		
2	100ml/bottle	reducing sugars		
2	Boric Acid, 100 grams	identify boron or its specific unknown metalloid ion based on the		
	/ bottle	characteristic color it emits on the Bunsen flame.		
3	Bromothymol Blue	Functional Specifications: Used as an indicator of dissolved Carbon		
4		dioxide. Exactional Specificational Used as a substants in Flores test to visually		
4	Calcium Chloride, 100	identify calcium or its ion based on the characteristic color it emits on the		
	grams / bottle	Bunsen flame.		
5	Conner Sulfate	Functional Specifications: Used as : a) an oxidizing agent or oxidant and		
	CuSO4, 100 grams /	is reduced in a spontaneous [chemical (redox) reaction decreasing its		
	bottle	oxidation state with metals above it, like zinc, in the Activity Series of		
6	Gentian Violet. 100 ml	Functional Specifications: Used in microscopy as biological stain.		
	/ bottle			
7	Iodine Solution, 100 ml / bottle	Functional Specifications: Used in microscopy as biological stain.		
8	Magnesium Ribbon, 25	Functional Specifications: Used as a reactant and is ignited over a flame		
	grams, 1 roll	to demonstrate a highly exothermic combustion reaction		
9	Manganese Dioxide, 50	Functional Specifications: Used as a catalyst to demonstrate		
	grams / bottle	the rate of chemical reaction		
10	Microscope's	Functional Specifications: Used to increase the resolving power of the		
	Immersion Oil,	microscope's 100x objective.		
11	100mL/bot	Functional Specifications: Used as an indicator to effect a color change		
11	Phenolphthalein, 100	to distinguish an acid from a base and in perforing acid base titration		
	grams/bottle			
12	Potassium Chloride.	Functional Specifications: Used as a substrate in Flame test to visually		
	100 grams / bottle	identify a specific element or an unknown metalloid ion based on the		
13		Functional Specifications: Used as :		
10	Potassium Iodide, 100	a) a substrate in Flame test to visually identify potassium or its ion		
	grams / Dottle	based on the characteristic color it emits on the Bunsen flame		
14	Sodium Hydroxide	Functional Specifications: Used :		
	(Lye), 250 grams/bottle			
15	.	Functional Specifications: Used to break down some of the starch and		
	Yeast, active dry, 100	sugar in the mixture to produce more yeast cells and carbon dioxide gas.		
	grams / bottle			

			STATEMENT OF	
Item	Description	Technical Specifications	COMPLIANCE	BIDDER'S ACTUAL OFFER
			(State Comply or Not Comply)	
16		Functional Specifications: Used as a substrate in Flame test to visually	Compiy)	
	Zinc Chloride, 100	identify zinc or its ion based on the characteristic color it emits on the		
	grams / bottle	Bunsen flame.		
17	Zinc metal,	Functional Specifications: Used as a reducing agent to reduce the other		
	pellets/mossy, 100	reactant of a single displacement (redox reaction) with metals above it in		
LOT 10. CL	grams / bottle	TOOLS (MLL OT 10)		
1	Beaker borosilicate	Functional Specifications: Used to contain/hold/prepare solids and		
1	250 mL	liquids during chemical reaction and to heat them over a Bunsen burner's		
		flame up to more than 100°C for normal, standard use service		
2	Beaker, borosilicate,	Functional Specifications: Used to contain/hold/prepare solids and		
	50 mL	liquids during chemical reaction and to heat them over a Bunsen burner's $f_{1,2}$		
3	Burette 10 mI	Functional Specifications: Used to hold/contain the acid up to 10 mJ		
5	capacity (acid)	capacity as a titrant to be delivered/ dispensed to titrate the base in acid-		
	F , ()	base titration to determine unknown concentration of base		
4	Burette, 10 mL	Functional Specifications: Used to hold/contain the base as a titrant to		
	capacity (base)	be delivered/ dispensed to tirate an acid up to 10 mL capacity in acid-		
-	Deserve Alexies I alexe	base titration to determine unknown concentration of acid		
5	Burner, Alconol, glass,	functional Specifications: Used to produce not, consistent open flame		
	150 IIIL Capacity	for slow/gentie nearing of glasswares and substances		
6	Burner, Bunsen	Functional Specifications: Used to :		
7	Cork Stopper # 5 (for	Functional Specifications: Used to seal the openings of 16 mm diameter		
	Ø 16mm test tube)	test tubes and other laboratory glassware to prevent leaks, hazards and		
		contamination to yield positive results during chemical reactions		
0	Caucible with lid/eeven	Emotional Spacifications, Used as a container to heat matels or other		
0	Crucible with hu/cover	substances may be melted or subjected to very high temperatures		
9	Dish, Evaporating, 75	Functional Specifications: Used to contain/hold substances and to heat		
	mL	chemical solutions gradually, driving off the water to leave residual		
		chemical solute		
10	Distillation set-up:	Functional Specifications: Used to condense the water vapor into its		
	Condenser, Liebig-	liquid state producing a distillate		
11	Distillation set-up:	Functional Specifications: Used to hold/ contain the liquid to be distilled		
	Distilling Flask,	in distillation, as one of the simple separation technique		
	borosilicate, 250ml,			
12	Double burette	Functional Specifications: Used to hold and secure two burettes on a		
13	Electrolysis	Functional Specifications: Used to demonstrate and describe the		
14	Flask, Erlenmeyer,	Functional Specifications: Used to :		
15	r unnel, borosilicate,	Functional Specifications: Used to direct the smooth flow of the liquid		
16	Glass Tubing	Functional Specifications: Used to contain/hold/mix liquids or gases		
17	Manometer, Open U-	Functional Specifications: Used to indicate the difference in the neights		
10	Osmosis Annaratus	Functional Specifications: Used to burverize/massivgrind and to mix		
20	Reagent Bottle.	Functional Specifications: Used to contain/store and to provide UV		
21	Reagent Bottle, wide-	Functional Specifications: Used to hold/ contain/store prepared		
22	Rubber Stopper # 0	Functional Specifications: Used to seal the openings of 16 mm diameter		
23	Spatula, spoon,	Functional Specifications: Used to hold/contain and transfer solids and		
24	Stirring Rod, Ó 6 mm	Functional Specifications: Used to mix liquids and solids		
25	Test tube brush	Functional Specifications: Used to clean test tubes and other small sized		
26	Test Tube,	Functional Specifications: Used to contain/hold a small chemical		
27	Tong, Crucible	Functional Specifications: Used to lift and hold crucibles, remove the		
28	Vial, screw-neck, 25	Functional Specifications: Used to hold/contain/store/mix small		
29	Vial, screw-neck, 50	Functional Specifications: Used to hold/contain/store/mix small		
30	Watch Glass, Ø 90 mm	Functional Specifications: Used to:		

			STATEMENT OF	
Item	Description	Technical Specifications	COMPLIANCE	BIDDER'S ACTUAL OFFER
	•	*	(State Comply or Not	
LOT 11. SCI	FNCE DEVICES INST	RUMENTS AND MEASURING TOOLS MATTER (MLI OT 11)	Comply)	
1	Balance, Toploading,	Functional Specifications: Used to measure an object's mass up to 500 g		
2	Balance, Triple Beam.	Functional Specifications: To measure mass of solids, liquids and gases		
3	Calorimeter	Functional Specifications: Used to measure heat effects or heat of		
4	Centrifuge	Functional Specifications: Used as one of the separation techniques for		
5	Electrical Conductivity	Functional Specifications: Used as a visual demonstration of the		
6	Filter Paper, crepe,	Functional Specifications: Used to filter/separate mixtures solids from		
7	Gloves, Hand, super	Functional Specifications: Used to protect hands against mechanical		
8	Graduated Cylinder,	Functional Specifications: Used to measure and to deliver the volume of		
9	Graduated Cylinder,	Functional Specifications: Used to measure and to deliver the volume of		
10	Graduated pipette	Functional Specifications: Used to measure the amount of liquid being		
11	Hydrometer for heavy	Functional Specifications: Used to measure relative density of heavy		
12	Hydrometer for light	Functional Specifications: Used to measure relative density of light		
13	Laboratory Hot Plate	Functional Specifications: a)Used to heat samples, glasswares and its		
14	Safety Goggles,	Functional Specifications: Used to protect eyes and face against		
15	Thermometer,	Functional Specifications: Used to measure the temperature		
LOT 12: SCI	ENCE DEVICES, INST	RUMENTS, AND MEASURING TOOLS – EARTH & SPACE AND	LIVING THINGS (MI	-LOT 12)
1	Anemometer with	Functional Specifications: Used to measure wind speed in real time and		
2	Anemometer, Simple	Functional Specifications: Used to determine wind speed by calculating		
3	Aneroid Barometer Set	Functional Specifications: Used to demonstrate how an aneroid		
4	Aneroid Barometer,	Functional Specifications: Used to measure the prevailing atmospheric		
5	Compass, Magnetic	Functional Specifications: Used to find direction on the earth's surface		
6	Dissecting Set with pan	Functional Specifications: Used to perform a wide variety of		
7	First Aid Kit	Functional Specifications: Used to provide immediate medical help in an		
8	Gloves, Surgical	Functional Specifications: Used to protect hands from dirt and		
9	Hand Lens, 10x	Functional Specifications: Used for enlarging the appearance of objects		
10	Hand Lens, 5x	Functional Specifications: Used to produce a magnified image of an		
11	Hexagonal Weigh	Functional Specifications: Used for containment of relatively small		
12	Lens Paper, 50's/pack	Functional Specifications: Used to clean the microscope lenses.		
13	Microscope,	Functional Specifications: Used to view specimen not visible to the		
14	Microscope, Digital	Functional Specifications: Used to focus specimen with the image		
15	Pipette, Beral, 1 mL	Functional Specifications: Used to transfer/dispense liquid samples.		
16	Prepared Slide Set,	Functional Specifications: Used to contain the readily mounted and ready		
17	Prepared Slide Set,	Functional Specifications: Used to guide students through the events of		
18	Reaction Plates with 6	Functional Specifications: Used to contain small amount of samples of		
19	Sedimentator Tube	Functional Specifications: Used to demonstrate how soil sediments settle		
20	Sling Psychrometer	Functional Specifications: Used to measure relative humidity		
21	Soil pH, Moisture,	Functional Specifications: Used to measure pH, moisture content of soil		
22	Soll/ Lest Sleve*	Functional Specifications: Used to separate and segragate different size		
23	Tong Bealter	Functional Specifications: Used to hold hosted between		
24	Tong, Beaker	Functional Specifications: Used to noid neated beakers.		
25	wash bottle, plastic,	Functional Specifications: Used to store and dispense water for diluting		
1	I HEMATICAL MANI	FULATIVES (MI-LOT IS)		
2	Algebra The Set,	Functional Specifications: Used to demonstrate algebraic concept up to		
3	Baade	Functional Specifications: Used to reinforce counting sorting patterning		
3	Circle Area	Functional Specifications: Used to demonstrate area of a circle		
5	Compass Drawing	Functional Specifications: Used to draw/construct area semi-circles and		
6	Cuisenaire Rods set of	Functional Specifications: Used to provide an interactive hands-on way		
7	Elansed Time (Clock)	Functional Specifications: Used to demonstrate time and other related		
8	Geoboard, 11 x 11	Functional Specifications: Used to explore basic concepts in plane		
9	Geoboard, 5 x 5	Functional Specifications: Used to explore basic concepts in plane		
10	Geostrips	Functional Specifications: Used to make and represent different shapes		
11	Ghost Grid	Functional Specifications: Used to aid classroom instructions especially		
12	Linking Cubes	Functional Specifications: Used to assist with the understanding of		

			STATEMENT OF	
Item	Description	Technical Specifications	COMPLIANCE	BIDDER'S ACTUAL OFFER
	•	*	(State Comply or Not	
13	Model, Basic 3D	Functional:	Comply)	
14	Model, Basic 3D	Functional Specifications: Used to represent basic three-dimensional		
15	Pattern Blocks, 250	Functional Specifications: Used to explore mathematical concepts.		
16	Pentominoes	Functional Specifications: Used to develop spatial thinking		
17	Plastic Two-colored	Functional Specifications: Used to represent integers and demonstrate		
18	Probability Kit	Functional Specifications: A set of mathematical manipulative used to		
19	Tangrams, set of 30	Functional Specifications: Used to introduce spatial relationships		
LOT 19: FOI	RCE, MOTION AND EN	NERGY KITS (MI-LOT 19)		
1	Advanced	Functional Specifications: used to demonstrate the relationship between		
2	Air Blower	Functional Specifications: Used to blow air into light balls to keep them		
3	Archimedes Principle	Functional Specifications: Used to visually demonstrate that objects		
4	Basic Electronics Kit	Functional Specifications: Used to perform activities on resistors,		
5	Basic Lens Set, acrylic	Functional Specifications: Used to demonstrate refraction of light		
6	Coefficient of Linear	Functional Specifications: Used to verify coefficient of linear expansion		
7	Connector, Black (# 18	Functional Specifications: Used to effectively interconnect components		
8	Connector, Red (# 18	Functional Specifications: Used to effectively interconnect components		
9	Connector, Yellow (#	Functional Specifications: Used to effectively interconnect components		
10	DC Ammeter	Functional Specifications: Used to measure DC current in electrical		
11	DC String Vibrator,	Functional Specifications: Used to demostrate standing waves on a string		
12	DC Voltmeter	Functional Specifications: Used to measure DC voltage across		
13	Diffraction slits &	Functional Specifications: Used to investigate the concept of diffraction		
14	Digital Geiger-Muller	Functional Specifications: is used to measure alpha, beta, and gamma		
15	Dry Cell Holder (size	Functional Specifications: Used to securely mount size D dry cell in		
16	Dry Cell, 1.5 volts, size	Functional Specifications: Used to provide 1.5 volts DC power source		
17	Engine Model	Functional Specifications: Used to simulate the operation of a 4-stroke		
18	Flask, Florence, glass,	Functional Specifications: Used to contain liquids with unobstructed		
19	Force Table	Functional Specifications: Used to demonstrate the vector nature of		
20	Fuse Holder w/ Fuse	Functional Specifications: Used to demonstrate the function of fuses		
21	Galvanometer	Functional Specifications: Used to measure small electrical current		
22	Helical Spring	Functional Specifications: Used to demonstrate transverse waves		
23	Iron Core Rod (non-	Functional Specifications: Used to perform activities on electromagnet		
24	Laser Light	Functional Specifications: Used to produce laser beam for diffraction		
25	Long Nose Pliers, 6-	Functional Specifications: Used to bend tiny solid wire connectors		
26	Magnet Wire	Functional Specifications: Used to perform activities on electromagnet		
27	Manometer, Open U-	Functional Specifications: Used to measure pressure difference of fluids		
28	Miniature Light Bulb	Functional Specifications: Used to demonstrate the conversion of		
29	Miniature Light Bulb	Functional Specifications: Used to securely mount light bulb in place		
30	Mirror Set, acrylic	Functional Specifications: Used to demonstrate the formation of image		
31	Motor-Generator	Functional Specifications: Used to demonstrate the conversion of		
32	Multimeter, digital	Functional Specifications: Used to provide digital readouts of		
33	Optical Bench Set	Functional Specifications: Used for mounting lenses, mirrors, screen,		
34	Pair of Bar Magnets	Functional Specifications: Used to demonstrate that some things can		
35	Prism Set	Functional Specifications: Used to demonstrate characteristics of		
36	Resistance Board	Functional Specifications: Used to investigate factors affecting		
37	Ring and Ball	Functional Specifications: Used to demonstrate thermal expansion (and		
38	Ripple Tank Set	Functional Specifications: Used to demonstrate properties of transverse		
39	Slinky Coil, metal	Functional Specifications: Used to demonstrate longitudinal waves		
40	Sound Resonance Set:	Functional Specifications: Used to provide continuous sound tone of		
41	Sound Resonance Set:	Functional Specifications: Used to vary the length of air column to		
42	Sound Resonance Set:	Functional Specifications: Used to control the frequency, loudness and		
43	Strobe Light	Functional Specifications: Used to provide flashes of light so that fast		
44	Switch, Knife type,	Functional Specifications: Used to open and close an electrical circuit		
45	Ticker Timer Set	Functional Specifications: Used to measure and record short time		
46	Toy Car, non-friction,	Functional Specifications: Used to demonstrate that some things like		
47	Tuning Fork Set	Functional Specifications: Used to produce sound tones of fixed		

Item	Description	Technical Specifications	STATEMENT OF COMPLIANCE (State Comply or Not Comply)	BIDDER'S ACTUAL OFFER
48	Vacuum Tube and	Functional Specifications: Used to demonstrate the effect of air		

Prepared by:

Approved by:

ALJANRO M. BERTUOSO

SIGNATURE OVER PRINTED NAME Engineer III

SIGNATURE OVER PRINTED NAME Director III

Note:

Functional Specifications:

Describe here the functionalities in which the goods are expected to be utilized.

Performance Specifications:

Describe here the performance characteristics desired for the item, particularly indicating the manner or method

Design Specifications:

Describe here the precise measurements, tolerances, materials, in-process and finished product, tests, quality

Environmental Interface:

As may be applicable, describe here the environment in which the functions required of the goods and sevices

Comparative Description (by standard or benchmarks):

As may be applicable, identify the item to be procured by another product, brand or exclusive standard which