



Republic of the Philippines
Department of Education

Bureau of Learning Resources

Proposed Sampling Plan

Project Title: Mass Production and Supply of Science and Mathematics Equipment Packages to Public Elementary Schools

for Grades 1 to 3 and Grades 4 to 6, Public Junior High Schools for Grades 7 to 10, and Public Senior High Schools

for Grades 11 to 12 (CORE & STEM)

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
I. MASS PRODUCTION ITEMS							
LOT 1: BLR-DEVELOPED BASIC SCIKIT							
1	BLR-developed Basic Scikit: Ø 9.5mm x 250mm long Stand Rod	43,570	Random Sampling	4,357	5%	218	219
2	BLR-developed Basic Scikit: Ø 9.5mm x 500mm long Stand Rod	87,140	Random Sampling	8,714	5%	436	437
3	BLR-developed Basic Scikit: Ø 12.7mm x 1000mm long Stand Rod	19,985	Random Sampling	1,999	5%	100	101
4	BLR-developed Basic Scikit: Rail	39,970	Random Sampling	3,997	5%	200	201
5	BLR-developed Basic Scikit: Ring with stem	21,785	Random Sampling	2,179	5%	109	110
6	BLR-developed Basic Scikit: Test Tube Rack	21,785	Random Sampling	2,179	5%	109	110
7	BLR-developed Basic Scikit: Wire Gauze	21,785	Random Sampling	2,179	5%	109	110
8	BLR-developed SCIKIT BASIC 001: Stand Base	43,570	Random Sampling	4,357	5%	218	219
9	BLR-developed SCIKIT BASIC 001: Stand Support	87,140	Random Sampling	8,714	5%	436	437
10	BLR-developed SCIKIT BASIC 001: SCIKIT BASIC Storage Case 001 (With Cover and Base Sheathing)	4,357	Random Sampling	436	5%	22	23
11	BLR-developed SCIKIT BASIC 002: Multiclamp	108,925	Random Sampling	10,893	5%	545	546
12	BLR-developed SCIKIT BASIC 002: Test Tube Holder	21,785	Random Sampling	2,179	5%	109	110
13	BLR-developed SCIKIT BASIC 002: SCIKIT BASIC Storage Case 002 (With Cover and Base Sheathing)	4,357	Random Sampling	436	5%	22	23
14	BLR-developed SCIKIT BASIC 003: Universal Clamp	52,284	Random Sampling	5,228	5%	261	262
15	BLR-developed SCIKIT BASIC 003: Universal Bosshead	43,570	Random Sampling	4,357	5%	218	219
16	BLR-developed SCIKIT BASIC 003: SCIKIT BASIC Storage Case 003 (With Cover and Base Sheathing)	4,357	Random Sampling	436	5%	22	23
17	BLR-developed Free Fall Apparatus (Mechanics 001): Ball Case (with Cover and foam)	16,750	Random Sampling	1,675	5%	84	85
18	BLR-developed Free Fall Apparatus (Mechanics 001): Digital Timer Assembly (Digital Stopwatch)	16,750	Random Sampling	1,675	5%	84	85

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
19	BLR-developed Free Fall Apparatus (Mechanics 001): Metertape with hooks and plastic pointer	16,750	Random Sampling	1,675	5%	84	85
20	BLR-developed Free Fall Apparatus (Mechanics 001): Ø 12.7mm Steel Spherical Ball	33,500	Random Sampling	3,350	5%	168	169
21	BLR-developed Free Fall Apparatus (Mechanics 001): Ø 25mm Plastic Spherical Ball with metal screw	33,500	Random Sampling	3,350	5%	168	169
22	BLR-developed Free Fall Apparatus (Mechanics 001): Ø 25mm Steel Spherical Ball	33,500	Random Sampling	3,350	5%	168	169
23	BLR-developed Free Fall Apparatus (Mechanics 001): Pad Switch Assembly	16,750	Random Sampling	1,675	5%	84	85
24	BLR-developed Free Fall Apparatus (Mechanics 001): Solenoid Assembly	16,750	Random Sampling	1,675	5%	84	85
25	BLR-developed Free Fall Apparatus (Mechanics 001): Synchro Box Assembly	16,750	Random Sampling	1,675	5%	84	85
26	BLR-developed Free Fall Apparatus (Mechanics 001): SCIKIT MECHANICS Storage Case 001 (With Cover and Base Sheathing)	16,750	Random Sampling	1,675	5%	84	85
27	BLR-developed Dynamics Carts-Rail System (Mechanics 002): Cart-spring loaded	19,985	Random Sampling	1,999	5%	100	101
28	BLR-developed Dynamics Carts-Rail System (Mechanics 002): Cart-with counterweight	19,985	Random Sampling	1,999	5%	100	101
29	BLR-developed Dynamics Carts-Rail System (Mechanics 002): Cylindrical Mass, 50-gram	99,925	Random Sampling	9,993	5%	500	501
30	BLR-developed Dynamics Carts-Rail System (Mechanics 002): Driving Mass, 3-gram	99,925	Random Sampling	9,993	5%	500	501
31	BLR-developed Dynamics Carts-Rail System (Mechanics 002): Leveling Pad Assembly	19,985	Random Sampling	1,999	5%	100	101
32	BLR-developed Dynamics Carts-Rail System (Mechanics 002): Plastic Hammer	19,985	Random Sampling	1,999	5%	100	101
33	BLR-developed Dynamics Carts-Rail System (Mechanics 002): Modelling Clay, 1 bar/set	19,985	Random Sampling	1,999	5%	100	101
34	BLR-developed Dynamics Carts-Rail System (Mechanics 002): Stopper-Fork Assembly	19,985	Random Sampling	1,999	5%	100	101

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
35	BLR-developed Dynamics Carts-Rail System (Mechanics 002): String (thin), 1 ball/set	19,985	Random Sampling	1,999	5%	100	101
36	BLR-developed Dynamics Carts-Rail System (Mechanics 002): SCIKIT MECHANICS Storage Case 002 (With Cover and Base Sheathing)	19,985	Random Sampling	1,999	5%	100	101
37	BLR-developed SCIKIT MECHANICS 003: 10-Newton Spring Balance	18,550	Random Sampling	1,855	5%	93	94
38	BLR-developed SCIKIT MECHANICS 003: 250-gram Hooked Mass	37,100	Random Sampling	3,710	5%	186	187
39	BLR-developed SCIKIT MECHANICS 003: 500-gram Hooked Mass	18,550	Random Sampling	1,855	5%	93	94
40	BLR-developed SCIKIT MECHANICS 003: Axle and Lever Beam	18,550	Random Sampling	1,855	5%	93	94
41	BLR-developed SCIKIT MECHANICS 003: Double Pulley	37,100	Random Sampling	3,710	5%	186	187
42	BLR-developed SCIKIT MECHANICS 003: Dry Cell, AA 1.5V	33,500	Random Sampling	3,350	5%	168	169
43	BLR-developed SCIKIT MECHANICS 003: Friction Block and Friction Board	2,440	Random Sampling	244	5%	12	13
44	BLR-developed SCIKIT MECHANICS 003: Leveling Hose	16,750	Random Sampling	1,675	5%	84	85
45	BLR-developed SCIKIT MECHANICS 003: Motorized Cart	16,750	Random Sampling	1,675	5%	84	85
46	BLR-developed SCIKIT MECHANICS 003: Single Pulley	37,100	Random Sampling	3,710	5%	186	187
47	BLR-developed SCIKIT MECHANICS 003: Spare part for Motorized Cart: Spur Gear B	33,500	Random Sampling	3,350	5%	168	169
48	BLR-developed SCIKIT MECHANICS 003: Spare part for Motorized Cart: Spur Gear C	16,750	Random Sampling	1,675	5%	84	85
49	BLR-developed SCIKIT MECHANICS 003: Spare part for Motorized Cart: Worm Gear A	33,500	Random Sampling	3,350	5%	168	169
50	BLR-developed SCIKIT MECHANICS 003: Spare part for Motorized Cart: Worm with Axle	16,750	Random Sampling	1,675	5%	84	85
51	BLR-developed SCIKIT MECHANICS 003: String (thick), 1 ball/set	640	Random Sampling	64	5%	3	4
52	BLR-developed SCIKIT MECHANICS Storage Case 003 (With Cover and Base Sheathing)	18,550	Random Sampling	1,855	5%	93	94

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
53	BLR-developed: User's Manual (SCIKIT BASIC)	4,357	Random Sampling	436	5%	22	23
54	BLR-developed: User's Manual (SCIKIT MECHANICS)	4,357	Random Sampling	436	5%	22	23
55	BLR-developed: Experiment Module (SCIKIT MECHANICS)	4,357	Random Sampling	436	5%	22	23
B.1 BLR-developed SCIENCE AND MATHEMATICS EQUIPMENT (LOT 1)							
56	BLR-developed Blackboard Compass	3,945	Random Sampling	395	5%	20	21
57	BLR-developed Blackboard Protractor	3,945	Random Sampling	395	5%	20	21
58	BLR-developed Convection Tank (Thermocline Apparatus)	16,110	Random Sampling	1,611	5%	81	82
63	BLR-developed Fresh Water Aquarium with Stand	360	Random Sampling	36	5%	2	3
59	BLR-developed Heat Conductivity Apparatus	18,550	Random Sampling	1,855	5%	93	94
60	BLR-developed Light Source (Single Slit)	19,985	Random Sampling	1,999	5%	100	101
61	BLR-developed Set of Coils (Transformer)	16,750	Random Sampling	1,675	5%	84	85
62	BLR-developed Variable Power Supply with 5 pcs. Terminal Board	16,750	100% inspection*	1,675	5%	84	85
64	BLR-developed: Fraction Set	3,615	Random Sampling	362	5%	18	19
65	BLR-developed: Linear Pair/Angle Demonstrator	17,910	Random Sampling	1,791	5%	90	91
66	BLR-developed: Manipulative Electricity Consumption Meter Model, blackboard	360	Random Sampling	36	5%	2	3
67	BLR-developed: Manipulative Water Consumption Meter Model, blackboard	360	Random Sampling	36	5%	2	3
68	BLR-developed: Models of 7-sided to 12-sided Regular Polygons	3,600	Random Sampling	360	5%	18	19
69	BLR-developed: Number Blocks	1,815	Random Sampling	182	5%	9	10
70	BLR-developed: Place Value Chart with decimal pockets	360	Random Sampling	36	5%	2	3
C. BLR-DEVELOPED STORAGE CABINETS (LOT 3)							
71	BLR-developed Storage Cabinet	3,736	Random Sampling	374	5%	19	20
II. SCIENCE AND MATHEMATICS EQUIPMENT (MARKET ITEMS)							
LOT 4: CHEMICALS							
1	Benedict's Solution, 100ml/bottle	3,997	Random Sampling	400	5%	20	21
2	Boric Acid, 100 grams / bottle	3,997	Random Sampling	400	5%	20	21
3	Bromothymol Blue	3,222	Random Sampling	322	5%	16	17
4	Calcium Chloride, 100 grams / bottle	3,997	Random Sampling	400	5%	20	21
5	Chemicals Storage Box	3,997	Random Sampling	400	5%	20	21
6	Copper Sulfate, CuSO ₄ , 100 grams / bottle	3,997	Random Sampling	400	5%	20	21
7	Gentian Violet, 100 ml / bottle	3,222	Random Sampling	322	5%	16	17

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
8	Hydrochloric Acid, HCl, 6M, 500 mL / bottle	3,997	Random Sampling	400	5%	20	21
9	Iodine Solution, 100 ml / bottle	3,350	Random Sampling	335	5%	17	18
10	Magnesium Ribbon, 25 grams, 1 roll	3,997	Random Sampling	400	5%	20	21
11	Manganese Dioxide, 50 grams / bottle	3,997	Random Sampling	400	5%	20	21
12	Microscope's Immersion Oil, 100mL/bot	3,222	Random Sampling	322	5%	16	17
13	Phenolphthalein, 100 grams/bottle	3,350	Random Sampling	335	5%	17	18
14	Potassium Chloride, 100 grams / bottle	3,997	Random Sampling	400	5%	20	21
15	Potassium Iodide, 100 grams / bottle	3,997	Random Sampling	400	5%	20	21
16	Sodium Hydroxide (Lye), 250 grams/bottle	3,997	Random Sampling	400	5%	20	21
17	Yeast, active dry, 100 grams / bottle	3,222	Random Sampling	322	5%	16	17
18	Zinc Chloride, 100 grams / bottle	3,997	Random Sampling	400	5%	20	21
19	Zinc metal, pellets/mossy, 100 grams / bottle	3,997	Random Sampling	400	5%	20	21
LOT 5: GLASSWARES AND LAB TOOLS		0					
1	Beaker, borosilicate, 250 mL	3,615	Random Sampling	362	5%	18	19
2	Beaker, borosilicate, 50 mL	19,985	Random Sampling	1,999	5%	100	101
3	Burette, 10 mL capacity (acid)	640	Random Sampling	64	5%	3	4
4	Burette, 10 mL capacity (base)	640	Random Sampling	64	5%	3	4
5	Burner, Alcohol, glass, 150 ml. Capacity	3,615	Random Sampling	362	5%	18	19
6	Burner, Bunsen	19,985	Random Sampling	1,999	5%	100	101
7	Cork Stopper # 5 (for Ø 16mm test tube)	19,985	Random Sampling	1,999	5%	100	101
8	Crucible with lid/cover	19,985	Random Sampling	1,999	5%	100	101
9	Dish, Evaporating, 75 mL	3,615	Random Sampling	362	5%	18	19
10	Distillation set-up: Condenser, Liebig-type	256	Random Sampling	26	5%	1	2
11	Distillation set-up: Distilling Flask, borosilicate, 250ml,	256	Random Sampling	26	5%	1	2
12	Distillation set-up: Rubber Tube, 3000mm	256	Random Sampling	26	5%	1	2
13	Double burette clamp	640	Random Sampling	64	5%	3	4
14	Electrolysis Apparatus, student-type (Brownlee)	19,985	Random Sampling	1,999	5%	100	101
15	Flask, Erlenmeyer, borosilicate, narrow-mouth, 250 mL	7,230	Random Sampling	723	5%	36	37
16	Funnel, borosilicate, fluted	23,600	Random Sampling	2,360	5%	118	119
17	Glass Tubing, Ø 6 mm x Ø 4 mm x 1500 mm long	39,970	Random Sampling	3,997	5%	200	201
18	Manometer, Open U-tube	640	Random Sampling	64	5%	3	4
19	Mortar and Pestle, porcelain, 150 mL.	1,800	Random Sampling	180	5%	9	10
20	Osmosis Apparatus	640	Random Sampling	64	5%	3	4
21	Pipette, Beral, 1 mL	18,000	Random Sampling	1,800	5%	90	91
22	Reagent Bottle, narrow-mouth, amber, borosilicate, 250 mL	3,875	Random Sampling	388	5%	19	20
23	Reagent Bottle, wide-mouth, transparent, borosilicate, 250 mL	19,985	Random Sampling	1,999	5%	100	101

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
24	Rubber Stopper # 0 (for Ø 16mm test tube)	19,985	Random Sampling	1,999	5%	100	101
25	Spoon-spatula, porcelain and glazed	23,600	Random Sampling	2,360	5%	118	119
26	Stirring Rod, Ø 6 mm x 250 mm long	23,600	Random Sampling	2,360	5%	118	119
27	Test tube brush	3,615	Random Sampling	362	5%	18	19
28	Test Tube, borosilicate, Ø 16 mm x 150 mm long	36,150	Random Sampling	3,615	5%	181	182
29	Tong, Beaker	3,875	Random Sampling	388	5%	19	20
30	Tong, Crucible	19,985	Random Sampling	1,999	5%	100	101
31	Vial, screw-neck, 25 ml. (with screw-type plastic cap)	118,000	Random Sampling	11,800	5%	590	591
32	Vial, screw-neck, 50 mL. (with screw-type plastic cap)	18,075	Random Sampling	1,808	5%	90	91
33	Watch Glass, Ø 90 mm	3,615	Random Sampling	362	5%	18	19
LOT 6: SCIENCE DEVICES, INSTRUMENTS, A		0					
1	Anemometer with Wind Vane, Cup type	1,446	Random Sampling	145	5%	7	8
2	Anemometer, Simple	723	Random Sampling	72	5%	4	5
3	Aneroid Barometer Set (Demonstration Type)	19,725	Random Sampling	1,973	5%	99	100
4	Aneroid Barometer, wall-mount	3,945	Random Sampling	395	5%	20	21
5	Balance, Triple Beam, with tare, 2610-gram	16,110	100% inspection*	1,611	5%	81	82
6	Calorimeter	640	Random Sampling	64	5%	3	4
7	Compass, Magnetic	1,800	Random Sampling	180	5%	9	10
8	Dissecting Set with pan	640	Random Sampling	64	5%	3	4
9	Filter Paper, crepe, 580mm x 580 mm sheet, Grade 0905	3,600	Random Sampling	360	5%	18	19
10	First Aid Kit	360	Random Sampling	36	5%	2	3
11	Gloves, Hand, super nitrile	3,615	Random Sampling	362	5%	18	19
12	Gloves, Surgical	1,280	Random Sampling	128	5%	6	7
13	Graduated Cylinder, borosilicate, 10 mL	1,800	Random Sampling	180	5%	9	10
14	Graduated Cylinder, borosilicate, 100 mL	1,800	Random Sampling	180	5%	9	10
15	Graduated pipette with rubber pipettor, borosilicate, 10 mL	640	Random Sampling	64	5%	3	4
16	Hand Lens, 10x magnification	3,875	Random Sampling	388	5%	19	20
17	Hand Lens, 5x magnification	4,255	Random Sampling	426	5%	21	22
18	Hexagonal Weigh Dishes Set, 50mL, 500 pcs/pack	723	Random Sampling	72	5%	4	5
19	Hydrometer for heavy liquids	640	Random Sampling	64	5%	3	4
20	Hydrometer for light liquids	640	Random Sampling	64	5%	3	4
21	Lens Paper, 50's/pack	16,110	Random Sampling	1,611	5%	81	82
22	Microscope, Compound with 4 Objectives	64,440	Random Sampling	6,444	5%	322	323
23	Prepared Slide Set, Microscope, 25 pieces	3,997	Random Sampling	400	5%	20	21
24	Prepared Slide Set, Mitosis and Meiosis	3,222	Random Sampling	322	5%	16	17
25	Reaction Plates with 6 Wells	19,985	Random Sampling	1,999	5%	100	101
26	Safety Goggles, polycarbonate	23,600	Random Sampling	2,360	5%	118	119
27	Sedimentator Tube	3,875	Random Sampling	388	5%	19	20
28	Sling Psychrometer	1,800	Random Sampling	180	5%	9	10

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
29	Soil/Test Sieve*	360	Random Sampling	36	5%	2	3
30	Wash Bottle, plastic, 250 mL	23,600	Random Sampling	2,360	5%	118	119
LOT 7: SCIENCE POWERED DEVICES AND INSTRUMENTS							
1	Balance, Toploading, Electronic	775	100% inspection	775	5%	39	40
2	Centrifuge	128	100% inspection	128	5%	6	7
3	Electrical Conductivity (Conductivity of Solutions) Apparatus	16,750	100% inspection*	16,750	5%	838	839
4	Flashlight with incandescent bulb	723	100% inspection	723	5%	36	37
5	Laboratory Hot Plate with magnetic stirrer	3,350	100% inspection	3,350	5%	168	169
6	Microscope, Digital	775	100% inspection	775	5%	39	40
7	Soil pH, Moisture, Sunlight Meter	3,875	100% inspection	3,875	5%	194	195
8	Telescope, Astronomical (Reflecting)	775	100% inspection	775	5%	39	40
LOT 8: MATHEMATICAL MANIPULATIVES		0					
1	Algebra Tile Set, plastic	3,222	Random Sampling	322	5%	16	17
2	Base Ten Blocks	3,615	Random Sampling	362	5%	18	19
3	Beads, Ø16mm	363	Random Sampling	36	5%	2	3
4	Circle Area Demonstrator	723	Random Sampling	72	5%	4	5
5	Compass, Drawing, student type	157,800	Random Sampling	15,780	5%	789	790
6	Cuisenaire Rods, 250 pcs/set	723	Random Sampling	72	5%	4	5
7	Elapsed Time (Clock) Set	363	Random Sampling	36	5%	2	3
8	Geoboard, 11 x 11	39,450	Random Sampling	3,945	5%	197	198
9	Geoboard, 5 x 5	7,230	Random Sampling	723	5%	36	37
10	Geostrips	19,725	Random Sampling	1,973	5%	99	100
11	Ghost Grid Whiteboard, Mobile Magnetic, 72-inch x 40-inch	17,428	Random Sampling	1,743	5%	87	88
12	Linking Cubes	3,615	Random Sampling	362	5%	18	19
13	Model, Basic 3D Geometrical Collapsible	1,800	Random Sampling	180	5%	9	10
14	Model, Basic 3D Geometrical Solids	723	Random Sampling	72	5%	4	5
15	Pattern Blocks, 250 pcs/set	1,446	Random Sampling	145	5%	7	8
16	Pentominoes	3,615	Random Sampling	362	5%	18	19
17	Plastic Two-colored Counters, 1-inch diameter, 200 pcs/set	1,815	Random Sampling	182	5%	9	10
18	Probability Kit	3,945	Random Sampling	395	5%	20	21
19	Tangrams, set of 30	3,945	Random Sampling	395	5%	20	21
LOT 9: MATHEMATICAL TOOLS & INSTRUMENTS		0					
1	Balance, Double-pan, 500-gram	3,615	100% inspection*	362	5%	18	19
2	Blackboard Triangle, 30° x 60° and 45° x 45°	3,582	Random Sampling	358	5%	18	19
3	Calculator, Graphing, non-projectable	19,985	100% inspection*	19,985	5%	999	1,000
4	Calculator, Scientific	14,400	100% inspection*	14,400	5%	720	721
5	Digital Clock, tabletop	363	100% inspection	363	5%	18	19
6	Measuring Kit (Volume)	363	Random Sampling	36	5%	2	3
7	Meterstick, plastic	14,460	Random Sampling	1,446	5%	72	73
8	Protractor, student-type	28,920	Random Sampling	2,892	5%	145	146
9	Ruler, Plastic, 12 inches/30 cm	28,920	Random Sampling	2,892	5%	145	146
10	Scale, Spring, Hanging type	363	100% inspection	363	5%	18	19
11	Scale, Weighing, analog, 10 kg. capacity	363	100% inspection	363	5%	18	19

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
12	Scale, Weighing, bathroom-type	363	100% inspection	363	5%	18	19
13	Stopwatch, digital	3,615	100% inspection	3,615	5%	181	182
14	Tape Measure, 1.5 meters	14,460	Random Sampling	1,446	5%	72	73
15	Template, shapes	3,615	Random Sampling	362	5%	18	19
16	Thermometer, Classroom, wall-mount	360	Random Sampling	36	5%	2	3
17	Thermometer, Clinical, digital	1,800	Random Sampling	180	5%	9	10
18	Thermometer, Laboratory type, Alcohol, -20°C to 110°C	3,615	Random Sampling	362	5%	18	19
LOT 10: MODELS: EARTH AND OTHER HEAVENLY BODIES							
1	Globe, Celestial	21,785	Random Sampling	2,179	5%	109	110
2	Globe, Terrestrial	1,800	Random Sampling	180	5%	9	10
3	Landform Demonstration Kit	19,985	Random Sampling	1,999	5%	100	101
4	Model, Earth Internal Structure, 1/4 part detachable	3,997	Random Sampling	400	5%	20	21
5	Model, Seismograph	16,110	Random Sampling	1,611	5%	81	82
6	Model, Solar System	775	Random Sampling	78	5%	4	5
7	Model, Sun Internal Structure, 1/4 part detachable	3,997	Random Sampling	400	5%	20	21
8	Model, Sun-Earth-Moon	21,785	Random Sampling	2,179	5%	109	110
9	Model, Tectonics Demonstrator	3,997	Random Sampling	400	5%	20	21
10	Model, Volcano, cross section	19,985	Random Sampling	1,999	5%	100	101
11	Rock Samples, 24 pcs/set, (minerals of 3 rock types)	1,550	Random Sampling	155	5%	8	9
LOT 11: MODELS: THE HUMAN ANATOMY							
1	Model, Animal Cell	3,350	Random Sampling	335	5%	17	18
2	Model, Animal Meiosis	3,350	Random Sampling	335	5%	17	18
3	Model, Animal Mitosis	3,350	Random Sampling	335	5%	17	18
4	Model, DNA	3,222	Random Sampling	322	5%	16	17
5	Model, Human Brain	360	Random Sampling	36	5%	2	3
6	Model, Human Circulatory System	3,582	Random Sampling	358	5%	18	19
7	Model, Human Ear	363	Random Sampling	36	5%	2	3
8	Model, Human Endocrine System	3,222	Random Sampling	322	5%	16	17
9	Model, Human Eye, 6 parts	363	Random Sampling	36	5%	2	3
10	Model, Human Nervous System	3,582	Random Sampling	358	5%	18	19
11	Model, Human Nose (Nasal-Throat Anatomy)	363	Random Sampling	36	5%	2	3
12	Model, Human Skeleton	360	Random Sampling	36	5%	2	3
13	Model, Human Torso	4,357	Random Sampling	436	5%	22	23
14	Model, Lung Demonstration	360	Random Sampling	36	5%	2	3
15	Model, Pumping Heart	360	Random Sampling	36	5%	2	3
16	Model, Reproductive System, Female (Pelvic Anatomy)	3,582	Random Sampling	358	5%	18	19
17	Model, Reproductive System, Male	3,582	Random Sampling	358	5%	18	19
18	Model, Skin Block	723	Random Sampling	72	5%	4	5
LOT 12: MODELS: OTHER BIOLOGICAL STRUCTURES							
1	Model, Chloroplast	3,350	Random Sampling	335	5%	17	18
2	Model, Invertebrates	360	Random Sampling	36	5%	2	3
3	Model, Mitochondrion	3,350	Random Sampling	335	5%	17	18
4	Model, Plant Cell	3,350	Random Sampling	335	5%	17	18
5	Model, Vertebrates	723	Random Sampling	72	5%	4	5

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
6	Protein Synthesis Demonstration Set	3,222	Random Sampling	322	5%	16	17
LOT 13: MODELS: MOLECULAR GEOMETRY 0							
1	Model, Atomic Orbital, 82-pc	640	Random Sampling	64	5%	3	4
2	Model, Biochemistry Molecular, (262 atom parts)	7,994	Random Sampling	799	5%	40	41
3	Model, Crystal Structures Set (Graphite, diamond, sodium chloride, carbon dioxide)	7,994	Random Sampling	799	5%	40	41
4	Model, Molecular, Inorganic/Organic (307-pc)	7,994	Random Sampling	799	5%	40	41
5	Model, Sublevel Orbitals of the Atom (Quantum)	19,985	Random Sampling	1,999	5%	100	101
6	Model, VSEPR, 14 shapes (50-pc)	19,985	Random Sampling	1,999	5%	100	101
LOT 14: FORCE, MOTION, AND ENERGY KIT 0							
1	Advanced Electromagnetism Kit	640	Random Sampling	64	5%	3	4
2	Air Blower	128	Random Sampling	13	5%	1	2
3	Archimedes Principle Set	640	Random Sampling	64	5%	3	4
4	Basic Electronics Kit	640	Random Sampling	64	5%	3	4
5	Basic Lens Set, acrylic	16,750	Random Sampling	1,675	5%	84	85
6	Coefficient of Linear Expansion	640	Random Sampling	64	5%	3	4
7	Connector (# 18 copper, AWG stranded): Black, 350mm long with alligator clip on one end and banana plug on the other end	61,095	Random Sampling	6,110	5%	305	306
8	Connector (# 18 copper, AWG stranded): Red, 350mm long with alligator clip on one end and banana plug on the other end	61,095	Random Sampling	6,110	5%	305	306
9	Connector (# 18 copper, AWG stranded): Yellow, 350mm long with alligator clip on one end and banana plug on the other end.	67,000	Random Sampling	6,700	5%	335	336
10	DC Ammeter	16,750	Random Sampling	1,675	5%	84	85
11	DC String Vibrator, string included	3,875	Random Sampling	388	5%	19	20
12	DC Voltmeter	16,750	Random Sampling	1,675	5%	84	85
13	Diffraction slits & Diffraction grating Set	16,110	Random Sampling	1,611	5%	81	82
14	Digital Geiger-Muller Counter with Set of Isotopes (a. 0.1 microcurie Polonium 210, b. 0.1 microcurie Strontium 90, and c. 1 microcurie Cobalt 60)	22	100% inspection	22	5%	1	2
15	Dry Cell Holder (size D)	81,460	Random Sampling	8,146	5%	407	408
16	Dry Cell, 1.5 volts, size D	81,460	Random Sampling	8,146	5%	407	408
17	Engine Model (Internal Combustion)	640	Random Sampling	64	5%	3	4
18	Flask, Florence, glass, 250 mL	640	Random Sampling	64	5%	3	4
19	Force Table	640	Random Sampling	64	5%	3	4
20	Fuse Holder w/ Fuse	16,750	Random Sampling	1,675	5%	84	85
21	Galvanometer	16,750	Random Sampling	1,675	5%	84	85
22	Helical Spring	16,750	Random Sampling	1,675	5%	84	85

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
23	Iron Core Rod (non-corrugated)	1,800	Random Sampling	180	5%	9	10
24	Lamp, Halogen, Low voltage with table top stand	775	Random Sampling	78	5%	4	5
25	Laser Light	19,985	Random Sampling	1,999	5%	100	101
39	Long Nose Pliers, 6-inch, 1 pair/set	360	Random Sampling	36	5%	2	3
26	Magnet Wire	3,582	Random Sampling	358	5%	18	19
27	Manometer, Open U-tube with Nakamura-type Water Pressure Apparatus	640	Random Sampling	64	5%	3	4
28	Miniature Light Bulb	61,095	Random Sampling	6,110	5%	305	306
29	Miniature Light Bulb Holder	61,095	Random Sampling	6,110	5%	305	306
30	Mirror Set, acrylic	16,750	Random Sampling	1,675	5%	84	85
31	Motor-Generator Model Experiment Set	16,750	Random Sampling	1,675	5%	84	85
32	Multimeter, digital	1,280	100% inspection	1,280	5%	64	65
33	Optical Bench Set	16,750	Random Sampling	1,675	5%	84	85
34	Pair of Bar Magnets	7,890	Random Sampling	789	5%	39	40
35	Prism Set	19,985	Random Sampling	1,999	5%	100	101
36	Resistance Board	640	Random Sampling	64	5%	3	4
37	Ring and Ball Apparatus	640	Random Sampling	64	5%	3	4
38	Ripple Tank Set	110	Random Sampling	11	5%	1	2
40	Slinky Coil, metal	16,750	Random Sampling	1,675	5%	84	85
41	Sound Resonance Set: Loud Speaker	640	Random Sampling	64	5%	3	4
42	Sound Resonance Set: Resonance Tube, close-ended	640	Random Sampling	64	5%	3	4
43	Sound Resonance Set: Tone Generator	640	Random Sampling	64	5%	3	4
44	Strobe Light	3,875	Random Sampling	388	5%	19	20

Item Number	Description	Quantity for Procurement	Sampling Technique	Sample Size*	AQL	Accept	Reject
45	Switch, Knife type, Single Pole Single Throw	20,365	Random Sampling	2,037	5%	102	103
46	Ticker Timer Set	16,110	Random Sampling	1,611	5%	81	82
47	Toy Car, non-friction, non-battery	1,815	Random Sampling	182	5%	9	10
48	Tuning Fork Set	640	Random Sampling	64	5%	3	4
49	Vacuum Tube and Manual Vacuum Pump	3,875	Random Sampling	388	5%	19	20
		3,949,345		456,049			

Notes:

- a) The samples shall be randomly selected from the lot.
- b) AQL - Acceptable Quality Level
- c) Inspection shall be based on the Inspection and Test Protocol of every item prepared by BLR Cebu.
- d) If the rejection rate is high, the Inspectorate Team may opt for a 100% inspection of the goods.
- e) *Recommend to divide the total quantity available for inspection into several lots. Reducing the lot size will make the sorting effective and faster. The resizing of the lot is necessary to reduce the risk of delivering a defective item due to a very alarming rejection tolerance.
- f) **In case a sample is found to be defective and still within the AQL, the inspectors shall have final decision to accept or reject the lot based on the gravity of the defect/s discovered.**
- g) The rejected lot shall be returned to the Supplier for sorting and re-submit the sorted lot for re-inspection.
- h) Inform the supplier of the defect/s discovered as basis during sorting of the rejected lot.
- i) **Reference: Department Order no. 41, s. 2021**
- j) **This sampling plan is subject to change during the conduct of the actual Pre-Delivery Inspection.**