



Department of Education
Region X- Northern Mindanao

DIVISION OF MALAYBALAY CITY

Cor. Don Carlos and Guingona Sts., Malaybalay City



Deped-MALAYBALAY CITY DIVISION

RELEASED

MEMORANDUM TO :

Date: 10-14-13 Time: 1:31
By: [Signature]

PARISO L. ORONG
Principal IV
Bukidnon National High School

EVERNOLD BERAL
Principal I
Busdi Integrated School

SONNY M. ROJAS
Principal I
Can ayan Integrated School

NOEME A. MACASLANG
OIC
Managok National High School

PAUL T. ORONG
Principal II
Silae National High School

From : *[Signature]*
EDILBERTO L. OPLENARIA
Schools Division Superintendent

Date : October 11, 2013

Re : **GUIDELINES ON THE PROVISION OF SCIENCE AND MATHEMATICS EQUIPMENT FOR FISCAL YEAR 2013**

In view of DepED Order No. 45 s. 2013 an amount of Six Hundred Forty Five Million Nine Thousand Pesos (Php 645,009.00) was appropriated in the General Appropriations Act under DepED Locally funded projects to which ***Bukidnon NHS – Kalasungay Extension, Bukidnon NHS annex Imbayao, Busdi IS, Can ayan IS, Managok NHS annex – Lalawan and Silae NHS annex – St. Peter*** are recipient of the basic science and mathematics equipment, including laboratory glassware to be delivered to the aforementioned schools.

It is further informed that recipient schools are requested to **provide sturdy storage cabinets** to store the said science and mathematics equipment. Attached is DepED Order No. 45 s. 2013 for your reference.

For information and compliance.

To be indicated in the perpetual Index
Under the following subjects:

Allocation
Schools

Students/pupils
equipment

Teachers
Science Education

alo/ELO



Republic of the Philippines
Department of Education

07 OCT 2013

DepEd ORDER
No. 45, s. 2013

**GUIDELINES ON THE PROVISION OF SCIENCE AND MATHEMATICS
EQUIPMENT FOR FISCAL YEAR 2013**

To: Undersecretaries
Assistant Secretaries
Bureau Directors
Directors of Services, Centers and Heads of Units
Regional Secretary, ARMM
Regional Directors
Schools Division/City Superintendents
Heads, Public Secondary Schools

1. To ensure the effectiveness of the teaching and learning of Science and Mathematics in basic education, the Department of Education (DepEd), through the National Science Teaching Instrumentation Center (NSTIC) and in coordination with the Bureau of Secondary Education (BSE), shall provide packages of basic Science and Mathematics Equipment compliant to the K to 12 Curriculum for Grades 7 to 10.
2. For Fiscal Year (FY) 2013, a total amount of **Six Hundred Forty-Five Million Nine Thousand Pesos (P 645,009,000.00)** is appropriated in the General Appropriations Act under DepEd Locally Funded Projects.
3. The coverage shall be 2,966 recipient public secondary schools composed of 2,964 regular secondary schools and 2 Science, Technology and Engineering-oriented High Schools as listed in Enclosure No. 1. The basic Science and Mathematics Equipment, including laboratory glassware, to be delivered to each recipient school are contained in Enclosure No. 2.
4. The list of recipient schools and the corresponding cost per school shall be provided by NSTIC to all division and regional Science and Mathematics supervisors before its delivery.
5. The recipient schools are requested to provide their own sturdy storage cabinets to store the Science and Mathematics Equipment especially those that are fragile and critical.
6. To ensure the maximum utilization of the distributed Science and Mathematics Equipment, eight selected Science and four Mathematics teachers per region, together with the concerned division and regional supervisors, shall be trained on the utilization, preventive maintenance procedures and minor repair processes. Once trained, they will serve as regional core trainers in their respective regions.

7. The division offices (DOs) through the Science and Mathematics supervisors shall accomplish the enclosed form in Enclosure No. 3, in coordination with NSTIC, within the quarter when the deliveries are to be made and shall submit the accomplished form to the regional office (RO) concerned, copy furnished the BSE, DepEd Central Office through email address: bse.deped@yahoo.com, the Office of the Planning Service-Planning and Programming Division (OPS-PPD) through email address: opsppd.deped@gmail.com, DepEd Complex, Meralco Avenue, Pasig City and NSTIC through email address: depednstic@yahoo.com, ECOTECH Compound, Sudlon, Lahug, Cebu City.

8. For purposes of monitoring, the DOs shall monitor the utilization and condition of the Science and Mathematics Equipment in the recipient schools and shall submit the report to BSE through email address: bse.deped@yahoo.com and to NSTIC through email address: depednstic@yahoo.com.

9. All existing Orders and Memoranda inconsistent with this Order are rescinded. These guidelines shall remain in force and in effect, unless sooner repealed, amended, or rescinded.

10. For more information and inquiries, all concerned may contact **Engr. Ralph H. Neri** or **Ms. Natalie Olis**, National Science Teaching Instrumentation Center (NSTIC), Lahug, Cebu City at telephone nos.: (032) 255-3633 to 35 or through email address: depednstic@yahoo.com.

11. Immediate dissemination of and strict compliance with this Order is directed.


BR. ARMIN A. LUISTRO FSC
Secretary

Encls.:

As stated

Reference:

DepEd Order No.: 89, s. 2011

To be indicated in the Perpetual Index
under the following subjects:

ALLOCATION
EQUIPMENT
FUNDS
Learning Area, MATHEMATICS
POLICY
SCHOOLS
SCIENCE EDUCATION

Department of Education

National Science Teaching Instrumentation Center

Project: Mass Production and Supply & Delivery of Science Equipment and Math Instructional Tools to 2,966 Public Secondary Schools

Approved Budget for the Contract (ABC): P 644,967,917.00 (FY 2013 Fund)

List of Recipient Schools by Region

Item No.	Division Name	Municipal City Name	School Name	School ID	Leg Dist ID	Total Enrolees (SY 2011-2012)
82	Iligan City		Francisco Laya Memorial Integrated School	315608	0	165
83	Iligan City		Iligan City NHS (Del Carmen Annex)	315605	0	100
84	Iligan City		Maria Cristina HS - Ditucahan HS Annex	304153	0	350
85	Iligan City		Tomas Cabili NHS - Annex (Sciens)	304158	0	146
86	Iligan City		Tubaran NHS - Digkilaan HS Annex	304160	0	290
87	Iligan City		Tubaran NHS (Bonbonon Annex)	315607	0	131
88	Iligan City		Tubaran NHS (Lanipao Annex)	315606	0	123
89	Lanao del Norte		Andres Bersales, Sr. Mem. HS (Pandanan NHS)	304022	2	347
90	Lanao del Norte		Matungao NHS	304012	1	398
91	Lanao del Norte		Munai NHS	304014	2	212
92	Lanao del Norte		Nunungan NHS	304016	2	140
93	Lanao del Norte		Tagoloan NHS	304021	1	183
94	Lanao del Norte		Tangcal NHS	315103	2	180
95	Malaybalay City		Bukidnon NHS - Kalasungay Extension	314915	2	220
96	Malaybalay City		Bukidnon NHS (Imbayao Annex)	325503	2	92
97	Malaybalay City		Busdi IS	325502	2	109
98	Malaybalay City		Canayan IS	314917	2	294
99	Malaybalay City		Managok NHS - Lalawan Annex	325501	2	245
100	Malaybalay City		Silae NHS - St. Peter Annex	314905	2	237
101	Misamis Occidental		Aquino IS	315208	1	222
102	Misamis Occidental		Carmen IS	315203	1	146
103	Misamis Occidental		Colambutan Bajo NHS	304039	2	167
104	Misamis Occidental		Panaon NHS	304048	1	124
105	Misamis Occidental		Sapang Ama NHS (Sapang Dalaga NHS Annex)	315202	1	159
106	Misamis Occidental		Sibugon IS	315207	1	309
107	Misamis Occidental		Upper Usugan CNHS (Bonifacio NHS Annex)	315201	2	137
108	Misamis Oriental		Bagooboc NHS	315301	2	195
109	Misamis Oriental		Danao NHS	315302	2	244
110	Misamis Oriental		Mandahilag NHS	304084	1	205
111	Misamis Oriental		Manticao NHS	315307	2	373
112	Misamis Oriental		Medina NCHS - D.G. Pelaez MNHS (Maanas NHS)	304090	1	214
113	Misamis Oriental		Rizal NHS	315308	2	102
114	Misamis Oriental		Rosario NHS	315306	1	351
115	Oroquieta City		Mobod IS	323201	1	393
116	Oroquieta City		Oroquieta City NHS - Clarin Settlement Campus	323202	1	125
117	Oroquieta City		Oroquieta City NHS (Oroquieta Agro-Industrial School)	304047	1	193
118	Ozamis City		Gala NHS	304170	2	219
119	Ozamis City		San Antonio NHS	304165	2	303
120	Tangub City		Bongabong NHS	304027	2	239
121	Tangub City		Caniangan NHS	304054	2	249
122	Tangub City		Silangit NHS	304053	2	230
123	Valencia City		Valencia NHS - Catumbalon Annex	323802	2	335
124	Valencia City		Valencia NHS - Concepcion Annex	323803	2	261

Department of Education
National Science Teaching Instrumentation Center
Project: Mass Production and Supply & Delivery of Science Equipment and Math Instructional Tools to 2,966 Public Secondary Schools
Approved Budget for the Contract (ABC): P 644,967,917.00 (FY 2013 Fund)

List of Recipient Schools by Region

Item No.	Division Name	Municipal City Name	School Name	School ID	Leg Dist ID	Total Enrolees (SY 2011-2012)
82	Valenzuela City	Valenzuela East District	Gen. T. del Leon NHS	305443	2	5,532
83	Valenzuela City	Valenzuela East District	Lawang Bato NHS	305440	1	1,587
84	Valenzuela City	Valenzuela East District	Sitero Francisco Mem. NHS	305446	2	1,713
85	Valenzuela City	Valenzuela North District	Dalandanan NHS	305437	1	4,713
86	Valenzuela City	Valenzuela North District	Polo NHS	305436	1	3,794
87	Caloocan City	Caloocan North I	Horacio Dela Costa- Amparo High School Annex	319708	1	647
88	Caloocan City	Caloocan North I	Urduja Business High School	319707	1	1,011
89	Caloocan City	Caloocan North IV	Bagumbong High School Annex	319709	1	696
90	Caloocan City	Pobcaran (Poblacion-Caliparan)	Tandang Sora IS	319704	2	891
91	Las Piñas City	Las Piñas I	Las Piñas NHS - Gatchalian Annex	320303	0	954
92	Makati City	City of Makati I	Makati West HS (Makati Science HS)	305410	1	814
93	Malabon City	Malabon District III	Malabon NHS - Concepcion Voc-Tech Annex	320502	0	573
94	Malabon City	Malabon District V	Catmon IS	320505	0	422
95	Mandaluyong City	City of Mandaluyong I	City of Mandaluyong Science HS	305395	0	692
96	Manila	Sampaloc I	Valeriano E. Fugoso Memorial HS	305308	4	592
97	Marikina City	City of Marikina I	Barangka NHS	319903	1	514
98	Marikina City	City of Marikina I	Kalumpang NHS	319904	1	466
99	Marikina City	City of Marikina I	Marikina Science HS	305401	1	830
100	Marikina City	City of Marikina I	San Roque NHS	319905	1	524
101	Marikina City	City of Marikina I	Sto. Nino NHS	319906	1	863
102	Muntinlupa City	City of Muntinlupa I	Muntinlupa Science HS	305469	0	867
103	Muntinlupa City	City of Muntinlupa II	Muntinlupa Business High School - Sucat Annex	320702	0	665
104	Navotas	Navotas District II	Tanza NHS	305455	0	1,037
105	Paranaque City	City of Paranaque	Paranaque Science HS	320201	1	462
106	Pasay City	Pasay City East	Pasay City Science HS (Pasay City West HS - P.C. Science HS Annex)	305369	0	582
107	Pasig City and San Juan	City of Pasig V	Pasig City Science HS	320101	0	1,005
108	Quezon City	School District I	Balingasa HS	305320	1	1,078
109	Quezon City	School District XVII	Ponciano Bernardo HS	305356	4	957
110	Tagig & Pateros	Taguig I	Sen. Renato "Companero" Cayetano Mem. Sci. & Tech. HS	320604	1	510
111	Tagig & Pateros	Taguig I	Taguig Science HS	320601	1	780
112	Valenzuela City	Valenzuela Central District	Valenzuela City Science HS	320401	1	465
113	Valenzuela City	Valenzuela Central District	Valenzuela NHS-Canumay East Annex	320406	1	738
114	Valenzuela City	Valenzuela North District	Arkong Bato NHS (P.R. San Diego Annex)	320405	1	531
115	Valenzuela City	Valenzuela North District	Valenzuela NHS-Wawang Pulo Annex	320407	1	423
116	Caloocan City	Pobcaran (Poblacion-Caliparan)	Caloocan City Science HS	305389	2	257
117	Las Piñas City	Las Piñas II	Las Piñas Science HS	320304	0	274
118	Malabon City	Malabon District II	Tanong IS	320507	0	356
119	Malabon City	Malabon District III	Col. R. Camus IS	320506	0	312
120	Mandaluyong City	City of Mandaluyong II	Ilaya Barangka Integrated School	319805	0	351
121	Pasay City	Pasay City North	Pasay City North HS - Mactan Air Base Annex	305366	0	393

Breakdown of the 2,966 Recipient Public High Schools by Region

Region	Cost per School (Php)	Total Cost (Php)	No. of Recipient Public High Schools	Classification by School Population		
				Small	Medium	Big
1	217,453.78	41,751,126.11	192	142	50	0
2	217,453.78	40,881,310.99	188	128	59	1
3	217,453.78	58,712,521.10	270	103	135	32
4-A	217,453.78	69,367,756.41	319	115	139	65
4-B	217,453.78	33,487,882.40	154	104	48	2
5	217,453.78	53,928,537.90	248	153	95	0
6	217,453.78	56,537,983.28	260	140	110	10
7	217,453.78	69,802,663.97	321	228	92	1
8	217,453.78	16,526,487.42	76	53	22	1
9	217,453.78	17,613,756.33	81	71	10	0
10	217,453.78	26,964,268.95	124	77	46	1
11	217,453.78	30,660,983.24	141	79	61	1
12	217,453.78	25,224,638.69	116	87	28	1
CARAGA	217,453.78	22,832,647.09	105	99	6	0
ARMM	217,453.78	35,010,058.88	161	63	98	0
CAR	217,453.78	19,353,386.58	89	78	11	0
NCR	217,453.78	26,311,907.60	121	6	29	86
TOTAL		PhP644,967,916.95	2966	1726	1039	201

Note:

- (1) The above 2,966 recipient Public High Schools can be broken down as follows:
 - (1.1) 2,964 Regular High Schools
 - (1.2) 2 ESEP Schools (Looc NHS and Piliilia NHS, both are in Region 4-A)
- (2) Also, the above 2,966 recipient Public High Schools can be broken down according to size (in terms of student population), as follows:
 - (2.1) 1,726 Small High Schools
 - (2.2) 1,039 Medium High Schools
 - (2.3) 201 Big High Schools

Where: a Small High School has a number of enrolees of 399 or below; a Medium High School has a number of enrolees ranging from 400 to 1,200; and a Big High School has a number of enrolees of 1,201 or above.

(Enclosure No. 2 to DepEd Order No. 45, s. 2013)

Department of Education
National Science Teaching Instrumentation Center

Project: Mass Production and Supply & Delivery of Science Equipment and Math Instructional Tools to 2,966 Public Secondary Schools

Approved Budget for the Contract (ABC): P 644,967,917.00 (FY 2013 Fund)

List of Science Equipment and Math Instructional Tools Compliant to the K to 12 Program Curriculum for Grades 7 to 10

Item No.	Particular	Unit of Issue	Quantity	
			per School	For the 2,966 Recipient Schools
I. MASS PRODUCTION ITEMS				
A. CHEMISTRY:				
1	NSTIC-developed Basic Science Equipment:			
	1.1) Stand Base Assembly	assy	2	5,932
	1.2) Stand Support	pc	4	11,864
	1.3) Ring with stem	pc	2	5,932
	1.4) Ø9.5mm x 250mm long Stand Rod	pc	2	5,932
	1.5) Ø9.5mm x 500mm long Stand Rod	pc	2	5,932
	1.6) Ø12.7mm x 1000mm long Stand Rod	pc	2	5,932
	1.7) Multiclamp Assembly	assy	2	5,932
	1.8) Universal Bosshead Assembly	assy	2	5,932
	1.9) Universal Clamp Assembly	assy	2	5,932
	1.10) Test Tube Holder	pc	1	2,966
	1.11) Test Tube Rack	pc	2	5,932
	1.12) User's Manual	copy	1	2,966
	1.13) Wooden Storage Box	box	1	2,966
2	NSTIC-developed Wire Gauze	pc	2	5,932
B. PHYSICS:				
1	NSTIC-developed Mechanics Science Equipment:			
	1.1) Cart-Rail System (includes Dynamic Carts, Motorized Cart, Rails, etc.)	set	1	2,966
	1.2) Free-Fall Apparatus (includes Solenoid, Pad Switch, Synchro Box, Timer, etc.)	set	1	2,966
	1.3) Hooke's Law Apparatus	set	1	2,966
	1.4) Friction Apparatus	set	1	2,966
	1.5) Lever Assembly	assy	1	2,966
	1.6) Pulley Set:			
	1.6.1) Double Pulley Assembly	assy	1	2,966
	1.6.2) Single Pulley Assembly	assy	1	2,966
	1.7) Spring Balances:			
	1.7.1) 10-Newton Spring Balance Assembly	assy	2	5,932
	1.7.2) 5-Newton Spring Balance Assembly	assy	2	5,932
	1.7.3) 2-Newton Spring Balance Assembly	assy	2	5,932
	1.8) C-Clamp with hook	pc	1	2,966
	1.9) Hooked Masses:			
	1.9.1) 500-gram Hooked Mass	pc	1	2,966
	1.9.2) 250-gram Hooked Mass	pc	1	2,966
	1.9.3) 20-gram Hooked Mass	pc	1	2,966
	1.10) User's Manual	copy	1	2,966
	1.11) Experiment Module	copy	1	2,966
	1.12) Wooden Storage Box	box	1	2,966
2	NSTIC-developed Variable Power Supply with 5 pcs Terminal Board	unit	1	2,966
3	NSTIC-developed Transformer (Set of Coils)	set	1	2,966
4	NSTIC-developed Light Source	unit	1	2,966
C. MATHEMATICS:				
1	NSTIC-developed 10-Newton Spring Balance Assembly	assy	3	8,898
2	NSTIC-developed 5-Newton Spring Balance Assembly	assy	3	8,898
3	NSTIC-developed 2-Newton Spring Balance Assembly	assy	3	8,898

Department of Education

National Science Teaching Instrumentation Center

Project: Mass Production and Supply & Delivery of Science Equipment and Math Instructional Tools to 2,966 Public Secondary Schools

Approved Budget for the Contract (ABC): P 644,967,917.00 (FY 2013 Fund)

List of Science Equipment and Math Instructional Tools Compliant to the K to 12 Program Curriculum for Grades 7 to 10

Item No.	Particular	Unit of Issue	Quantity	
			per School	For the 2,966 Recipient Schools
II. MARKET ITEMS				
A. EARTH/SPACE SCIENCE:				
a. By Item:				
1	Aneroid Barometer Set (demonstration type)	unit	1	2,966
2	Aneroid Barometer Set (wall type)	unit	1	2,966
3	Hand Lens, at least 10x magnification	pc	1	2,966
4	Rain Gauge	unit	1	2,966
5	Protractor, plastic, 180°, semi-circular, 15cm diameter (minimum)	pc	1	2,966
6	Stopwatch, digital	pc	1	2,966
7	Balance, Triple-Beam	unit	2	5,932
8	Terrestrial Globe, Ø 12 inches	unit	1	2,966
9	Flashlight, full-sized D cells	pc	1	2,966
10	Seismograph Model	unit	1	2,966
11	Cup Anemometer with Wind Vane, handheld, digital direct reading	unit	1	2,966
12	Magnetic Compass	pc	1	2,966
13	Measuring Cup, 250 ml. Capacity, plastic, transparent	pc	2	5,932
14	Telescope, astronomical	unit	1	2,966
15	Beaker, 250 ml., borosilicate	pc	1	2,966
16	Erlenmeyer Flask, 250 ml., borosilicate	pc	1	2,966
17	Stirring Rod, Ø 6mm x 250mm long	pc	1	2,966
18	Test Tube, Ø 16mm x 150.8mm long	pc	3	8,898
19	Graduated Cylinder, 100 ml. capacity	pc	1	2,966
20	Graduated Cylinder, 10 ml. Capacity	pc	1	2,966
21	Glass Funnel, Ø 50mm (Top Inside Diameter), 75mm long Stem	pc	1	2,966
22	Petri Dish, Ø 100mm (minimum)	pc	3	8,898
23	Watch Glass, Ø 90mm (minimum)	pc	3	8,898
24	Hydrometer, Specific Gravity: 0.700 - 2.000, 15" long	pc	1	2,966
25	Alcohol Thermometer, -20°C to 110°C	pc	2	5,932
26	Evaporating Dish, 75 ml. capacity	pc	2	5,932
27	Alcohol Lamp, glass, 150 ml. Capacity	pc	1	2,966
28	Sun-Earth-Moon model	unit	1	2,966
29	Celestial Globe	unit	1	2,966
b. By Set:				
30	Mortar and Pestle, 150 ml. Capacity	set	1	2,966
B. BIOLOGY:				
a. By Item:				
1	Microscope, compound	unit	3	8,898
2	Hand Lens, at least 5x magnification	pc	1	2,966
3	Balance, Triple-Beam	unit	1	2,966
4	pH Meter	unit	1	2,966
5	Test Tube, Ø 16mm x 150mm long	pc	6	17,796
6	Evaporating Dish, 75 ml capacity	pc	1	2,966
7	Glass Funnel, Ø 50mm (top inside diameter), 75mm long stem	pc	1	2,966
8	Petri Dish	pc	6	17,796
9	Beaker, 250 ml, borosilicate	pc	2	5,932
10	Alcohol Thermometer, -20°C to 110°C	pc	1	2,966
11	Glass Slides, 72's/box	box	1	2,966
12	Glass Cover Slips, 100's/box	box	1	2,966
13	Graduated Cylinder, 100 mL, borosilicate	pc	1	2,966
14	Graduated Cylinder, 10 mL, borosilicate	pc	1	2,966
15	Erlenmeyer Flask, 250 mL, borosilicate	pc	2	5,932
16	Stirring Rod, Ø 6mm x 250 mm long	pc	1	2,966
17	Alcohol lamp, glass, 150 mL capacity	pc	1	2,966
18	Watch Glass, Ø90 mm	pc	1	2,966
19	Beaker, 1000 mL	pc	1	2,966
20	Microscope Immersion Oil, 100 mL/bottle	bottle	1	2,966
21	Balsam Microscope Mounting fluid	bottle	1	2,966
22	Dissecting microscope	unit	1	2,966
b. By Set:				
23	Dissecting Set	set	1	2,966
24	Mortar and Pestle, 150 mL capacity	set	1	2,966

Project: Mass Production and Supply & Delivery of Science Equipment and Math Instructional Tools to 2,966 Public Secondary Schools

Approved Budget for the Contract (ABC): P 644,967,917.00 (FY 2013 Fund)

List of Science Equipment and Math Instructional Tools Compliant to the K to 12 Program Curriculum for Grades 7 to 10

Item No.	Particular	Unit of Issue	Quantity	
			per School	For the 2,966 Recipient Schools
C. CHEMISTRY:				
a. By Item:				
1	Alcohol Thermometer, -20°C to 110°C	pc	2	5,932
2	Graduated cylinder, 10 ml, borosilicate	pc	2	5,932
3	Graduated cylinder, 100 ml, borosilicate	pc	3	8,898
4	Test Tube, Ø16 mm x 150 mm long	pc	10	29,660
5	Stirring Rod, Ø 6mm x 250 mm long	pc	2	5,932
6	Evaporating Dish, 75 ml capacity	pc	1	2,966
7	Alcohol lamp, glass, 150 ml capacity	pc	2	5,932
8	Watch Glass, Ø 90mm	pc	3	8,898
9	Erlenmeyer Flask, 250 ml borosilicate	pc	5	14,830
10	Beaker, 600 ml, borosilicate	pc	2	5,932
11	Beaker, 250 ml, borosilicate	pc	5	14,830
12	Beaker, 100 ml, borosilicate	pc	2	5,932
13	Beaker, 50 ml, borosilicate	pc	3	8,898
14	Glass Funnel, Ø 50mm (Top Inside Diameter), length of stem: 75mm	pc	1	2,966
15	Balance, Triple-Beam, 2610-gram capacity	unit	1	2,966
16	Safety Goggles, polycarbonate	pair	1	2,966
17	Test Tube Brush	pc	2	5,932
18	Triangular File, 6" long with handle	pc	1	2,966
19	pH Meter (digital)	unit	1	2,966
b. By Set:				
20	Distillation Setup:	set	1	2,966
	20.1) Distilling flask, 250 ml, 1 pc			
	20.2) Condenser, Liebig-type (straight), 1 pc			
	20.3) Rubber stopper for distilling flask w/ two 6 mm holes; 55-65 Duro (Shore 00 Scale), 1 pc			
	20.4) Rubber stopper for condenser w/ one hole; 55-65 Duro (Shore 00 Scale) , 1 pc			
	20.5) Rubber tube, Ø 100 mm x 8 mm x 2000 mm long, 1 lht			
21	Molecular Geometry (VSEPR) kit	set	1	2,966
22	Mortar and Pestle, 150 ml capacity	set	1	2,966
23	Bunsen Burner and LPG Gas Tank Set:			
	23.1) Bunsen Burner, gas-type	unit	1	2,966
	23.2) LPG tank with gas, 11 kg capacity, regulator & hose assembly	unit	1	2,966
D. PHYSICS:				
a. By Item:				
1	Air Blower, variable speed control	unit	1	2,966
2	Switch, knife-type	unit	1	2,966
3	DC Ammeter	unit	1	2,966
4	DC Voltmeter	unit	1	2,966
5	Galvanometer	unit	1	2,966
6	Slinky Coil, metal, Ø3" x 4" long	pc	1	2,966
7	DC String Vibrator with String	unit	1	2,966
8	Musical Instrument, miniature Guitar	unit	1	2,966
9	Prism , right-angle, acrylic, T=10mm; Base=40mm; H=65mm or 90°x45°x45°; hyp: 75mm	pc	1	2,966
10	Refraction Tank	unit	1	2,966
11	Multimeter, digital	unit	2	5,932
12	Beaker, 500 ml., polypropylene plastic	pc	1	2,966
13	Florence Flask, 250 ml., borosilicate glass	pc	1	2,966
14	Balance, Triple-Beam	unit	1	2,966
15	Advanced Electromagnetism Kit	kit	1	2,966
16	Basic Electronics Kit	kit	1	2,966
17	Logic Gates Trainer Kit	kit	1	2,966

Project: Mass Production and Supply & Delivery of Science Equipment and Math Instructional Tools to 2,966 Public Secondary Schools

Approved Budget for the Contract (ABC): P 644,967,917.00 (FY 2013 Fund)

List of Science Equipment and Math Instructional Tools Compliant to the K to 12 Program Curriculum for Grades 7 to 10

Item No.	Particular	Unit of Issue	Quantity	
			per School	For the 2,966 Recipient Schools
	b. By Set:			
18	Archimedes Principle Set	set	1	2,966
19	Open U-tube Manometer with Simple Water Pressure App. Nakamura Type (and accs.)	set	1	2,966
20	Miniature Light Bulb, 1.35 to 2.5 V, 0.06 A or greater handling current, 3 pcs/set	set	1	2,966
21	Miniature Light Bulb Base (Socket), 3 pcs/set, with baseboard & binding posts	set	1	2,966
22	Dry Cell Holder, for single size D dry cell, 4 pcs/set	set	1	2,966
23	Resistance Board, 3 boards/set	set	1	2,966
24	Motor-Generator Model Experiment Set	set	1	2,966
25	Set of Tools	set	1	2,966
	<i>One (1) set of tools is composed of the following:</i>			
	25.1) 1 pc. Screwdriver, flat, 3/16" tip W x 6" long			
	25.2) 1 pc. Screwdriver, phillips, Point size blade #3 x 6" long			
	25.3) 1 pr. Long Nose Pliers with side cutter, 6"			
	25.4) 1 pr. Mechanical-Wire Cutter and Pliers, 6"			
	25.5) 1 pc. Soldering Iron, 60 watts			
	25.6) 1 pc. Ball Peen Hammer, length including handle is 11", 350 grams			
	25.7) 1 set Precision Screwdrivers Set, 6 pcs, with plastic casing			
	25.8) 1 pr. Tweezers, stainless steel, with curved tips, 6 1/2" long			
	25.9) 1 spool Soldering Lead, Ø1mm, Grade 60/40, Wt.: 1 lb/spool			
	25.10) 1 can Soldering Paste, all purpose flux, 50 grams/can			
26	Fuse Holder with Fuse	set	1	2,966
27	Basic Lens Set (set of 6 lenses)	set	1	2,966
28	Mirror Set (set of 3 mirrors)	set	1	2,966
29	Refraction Blocks (1 set is composed of 1 pc Glass & 1 pc Acrylic), semi-circular blocks	set	1	2,966
30	Student Optical Bench Set with Meterstick	set	1	2,966
31	Tuning Fork Set (set of 8 tuning forks)	set	1	2,966
32	Set of Connectors:			
	32.1) AWG # 18, black, 250mm long with alligator clip and banana plug on ends	pc	3	8,898
	32.2) AWG # 18, red, 250mm long with alligator clip and banana plug on ends	pc	3	8,898
	32.3) AWG # 18, white, 250mm long with banana plugs on both ends	pc	2	5,932
	32.4) AWG # 18, blue, 250mm long with banana plugs on both ends	pc	2	5,932
33	Sound Resonance Set:			
	33.1) Resonance Tube Set, close-ended	set	1	2,966
	33.2) Sound Signal Generator Kit	kit	1	2,966
	33.3) Loudspeaker, ≥ 1 watt, all frequency or low range, 4-8 Ohms.	unit	1	2,966
34	Set of Charts:			
	34.1) Chart on Electromagnetic Spectrum, 750mm x 1000mm, tarpaulin	pc	1	2,966
	34.2) Chart on Radioactive Elements, 1000mm x 1500mm, tarpaulin	pc	1	2,966
35	Set of Dry Cells:			
	35.1) Dry Cell. 1.5 V, size D, ISO Certified	pc	4	11,864
	35.2) Dry Cell, 9 V, ISO Certified	pc	1	2,966
	E. MATHEMATICS:			
	a. By Item:			
1	Ruler, Student-type	pc	1	2,966
2	Meterstick, plastic	pc	2	5,932
3	Tape Measure, 1 meter	pc	1	2,966
4	Weighing Scale	pc	1	2,966
5	Stopwatch, digital	unit	3	8,898
6	Blackboard protractor, semi-circular, 180°, Ø600mm wooden	pc	1	2,966
7	Protractor, Student-type, plastic, 180°, semi-circular	pc	6	17,796
8	Scientific Calculator	unit	4	11,864
9	Thermometer, Clinical Type (Dual Scale)	pc	4	11,864
10	Blackboard Compass, 600mm long, wooden	pc	1	2,966
11	Compass, Student-type, metal 150mm long	pc	6	17,796
12	Magnetic Compass (bearing navigation), Ø50mm	pc	3	8,898
13	Graphing board, 1.2m x 1m, green, movable (with legs and caster wheels)	unit	1	2,966
14	Dice, plastic, 25.4mm cube	pc	2	5,932
	b. By Set:			
15	Model of Pyramid in a Prism	set	1	2,966
16	Model of Cone in a cylinder	set	1	2,966
17	Model of Sphere in a cylinder	set	1	2,966
18	Litre set (1/4, 1/2, 1/3, 2/3, 3/4, & 1 litre measuring cups)	set	3	8,898
19	Litre set (Medicine Dropper, 1ml - 5ml)	set	3	8,898

(Enclosure No. 3 to DepEd Order No. 45, s. 2013)

PHYSICAL AND FINANCIAL ACCOMPLISHMENTS
for the Quarter Ending _____

Division: _____

Region: _____

School Name	School ID	PHYSICAL			Remarks	FINANCIAL			Remarks
		TARGETS Learning Materials	ACTUAL ACCOMPLISHMENT Learning Materials	Variance		TARGETS Learning Materials	ACTUAL ACCOMPLISHMENT Learning Materials	Variance	
(1)	(2)	(3) No. of Complete Package of Science Equipment and Math Instructional Materials to be delivered	(4) No. of Complete Package of Science Equipment and Math Instructional Materials received	(5)	(6)	(7) Allocation per School	(8) Actual Cost	(9)	(10)
TOTAL									

Note: Data for Columns 7 and 8 shall be provided by NSTIC.

TOTAL NUMBER OF SCHOOLS BENEFITED:

Prepared by: _____