

XIX. DEPARTMENT OF SCIENCE AND TECHNOLOGY

A. Office of the Secretary
 Identification Code: 4108-01

For general administration and science and technology planning, direction and development in accordance with the functions and projects indicated hereunder.....P 110,932,000

		<u>Current Operating Expenditures</u>			
		<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A.	Functions				
1.	General Administration and Support Services	P 15,457,000	P 15,980,000	P 187,000	P 31,624,000
2.	Regional Science and Technology Operations	11,501,000	21,728,000	2,312,000	35,541,000
	Total, Functions	<u>26,958,000</u>	<u>37,708,000</u>	<u>2,499,000</u>	<u>67,165,000</u>
B.	Projects				
1.	Grants-in-Aid for the Improvement of Research Laboratories and Equipment of DOST and its Agencies		2,167,000		2,167,000
2.	Grants-in-Aid for Scientific and Technological Meetings, Conferences, Publications and Related Activities		2,000,000		2,000,000
3.	Grants-in-Aid for the Development and Enhancement of Scientific Linkages with Local and Foreign Institutions and International Bodies for Scientific Cooperation and Resource Generation		3,500,000		3,500,000
4.	Grants-in-Aid for Science and Technology Programs/Projects		10,500,000		10,500,000
5.	Grants-in-Aid for the Development, Demonstration and Commercialization of Appropriate Technologies and Special Science Projects		3,500,000		3,500,000
6.	Grants-in-Aid for the Development of Strategic Programs/ Projects to Increase Productivity for National Development		5,500,000		5,500,000

7. Construction of DOST Regional Offices		16,600,000	16,600,000
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Total, Projects	27,167,000	16,600,000	43,767,000
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Total New Appropriations,
Office of the Secretary P 26,958,000 P 64,875,000 P 19,099,000 P 110,932,000
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Special Provision

1. **Appropriations for Specific Activities and Purposes.** The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services, including payment of P1,000,000 for the implementation of the Scientific Career System, pursuant to Executive Order Nos. 784 and 901, subject to Section 40 of P.D. No. 1177.....	P 24,953,000
b. Formulation, review, coordination, integration, monitoring and evaluation of national science and technology activities.....	1,665,000
c. Conduct of researches and trainings.....	860,000
d. Information gathering by science attaches abroad, including payment of P360,000 for overseas allowances pursuant to P.D. No. 1285.....	2,413,000
e. Development of science and technology capabilities and research on appropriate technology programs....	1,411,000
f. Conduct of scientific and technological conferences and payment of expenses for the celebration of the Science and Technology Week pursuant to Presidential Proclamation and other related activities.....	135,000
g. Acquisition of equipment.....	187,000
Sub-total, Function 1.....	----- 31,624,000 -----
2. Regional Science and Technology Operations	
a. Extension and enhancement of science and technology activities in the regions.....	15,496,000
b. Regional science and technology operations.....	15,747,000
c. Regional science and technology policies, coordination, studies and services.....	1,986,000

d. Acquisition of equipment.....	2,312,000
Sub-total, Function 2.....	35,541,000
Total, Functions.....	P 67,165,000

B. Advanced Science and Technology Institute
 Identification Code: 4108-02

For scientific research and development in the advanced fields of studies, including biotechnology, microelectronics and information technology in accordance with the function indicated hereunder.....P 3,607,000

Current Operating Expenditures

A. Function	<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
1. Scientific Research and Development in the Advanced Fields of Studies including Biotechnology, Microelectronics and Information Technology	P 2,607,000	P 1,000,000		P 3,607,000
Total, Function	2,607,000	1,000,000		3,607,000
Total New Appropriations, Advanced Science and Technology Institute	P 2,607,000	P 1,000,000		P 3,607,000

Special Provision

1. Appropriations for Specific Activity and Purpose. The amount herein appropriated for the function of the agency shall be used specifically for the following activity and purpose in the indicated amount and condition:

<u>Activity and Purpose</u>	<u>Amounts</u>
1. Scientific research and development in the advanced fields of studies, including biotechnology, microelectronics and information technology.....	P 3,607,000
Total, Function.....	P 3,607,000

C. Food and Nutrition Research Institute
 Identification Code: 2304-02

For general administration, scientific research and development on food and nutrition, and for food and nutrition technical services in accordance with the functions and project indicated hereunder.....P 27,926,000

Current Operating Expenditures

	<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions				
1. General Administration and Support Services	P 2,016,000	P 2,756,000		P 4,772,000
2. Research and Development Services on Food and Nutrition	8,528,000	3,518,000	812,000	12,858,000
3. Food and Nutrition Technical Services	254,000	42,000		296,000
Total, Functions	10,798,000	6,316,000	812,000	17,926,000
B. Project				
1. Construction of the New FNRI Building			10,000,000	10,000,000
Total New Appropriations, Food and Nutrition Research Institute	P 10,798,000	P 6,316,000	P 10,812,000	P 27,926,000

Special Provision

1. **Appropriations for Specific Activities and Purposes.** The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services.....	P 4,749,000
b. Conduct of conferences, meetings, including other expenses for health and science promotion.....	23,000
Sub-total, Function 1.....	4,772,000
2. Research and Development Services on Food and Nutrition	
a. Conduct of basic and applied researches on food and nutrition.....	9,992,000
b. Conduct of the Third Nationwide Survey of the Philippines.....	2,054,000
c. Acquisition of equipment.....	812,000
Sub-total, Function 2.....	12,858,000

3. Food and Nutrition Technical Services

a. Technical services on food and nutrition.....	296,000
Sub-total, Function 3.....	----- 296,000
Total, Functions.....	----- P 17,926,000 =====

D. Forest Products Research and Development Institute
Identification Code: 1301-02

For general administration, forest products research and industries development in accordance with the functions indicated hereunder.....P 20,932,000

Current Operating Expenditures

	<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions				
1. General Administration and Support Services.	P 3,778,000	P 2,053,000	P 247,000	P 6,078,000
2. Forest Products Research and Industries Development	7,578,000	3,314,000	1,969,000	12,861,000
3. Technical Services on Forest Products	1,261,000	641,000	91,000	1,993,000
Total, Functions	----- 12,617,000	----- 6,008,000	----- 2,307,000	----- 20,932,000
Total New Appropriations, Forest Products Research and Development Institute	P 12,617,000	P 6,008,000	P 2,307,000	P 20,932,000 =====

Special Provision

1. Appropriations for Specific Activities and Purposes. The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. Exercise of general management and direct supervision over the divisions and units of the Forest Products Research and Development Institute, including payment of P36,000 for honoraria of FPRDI retired Commissioner, FORI and FPRDI retired Directors and technical consultants at the rate of P500 each per month on full-time basis or P350 per month on part-time basis.....	P 5,576,000

b.	Conduct of conferences, meetings, seminars, workshops, representation and other expenses; and payment of P114,000 for per diems of the Chairman and Members of the FPRDI Advisory Council at the rate of P275 and P225 each per meeting actually attended in lieu of actual transportation and representation expenses but not to exceed P1,100 and P900 per month, respectively.....	191,000
c.	Provision of local scholarships, including administrative and in-house trainings on forest products research and development.....	64,000
d.	Acquisition of equipment.....	247,000
	Sub-total, Function 1.....	<u>6,078,000</u>
2. Forest Products Research and Industries Development		
a.	Conduct of researches on paper, chemical products and dendro-energy.....	2,976,000
b.	Conduct of researches on housing materials including the operation and maintenance of the Particle-board Pilot Plant.....	4,728,000
c.	Conduct of researches on furniture, wares and packaging.....	2,784,000
d.	Documentation of forest products researches, findings and other information.....	35,000
e.	Participation in the Inter-Agency Group for Forestry Research Application (IAGFRA).....	11,000
f.	Piloting of matured technologies and techno-economics feasibility.....	358,000
g.	Acquisition of equipment.....	1,969,000
	Sub-total, Function 2.....	<u>12,861,000</u>
3. Technical Services on Forest Products		
a.	Provision of technical and consultative services pertaining to forest products research; conduct of related trainings, extension services and activities; and the payment of P100,000 for honoraria to speakers, lecturers and consultants in trainings/seminars and workshops, subject to Section 40 of P.D. No. 1177.....	1,614,000
b.	Maintenance of a repository of information materials on forest products.....	288,000
c.	Acquisition of equipment.....	91,000
	Sub-total, Function 3.....	<u>1,993,000</u>
	Total, Functions.....	<u>P 20,932,000</u> =====

E. Industrial Technology Development Institute
 Identification Code: 4108-04

For general administration and industrial, scientific and technological research and development in accordance with the functions and project indicated hereunder.....P 48,993,000

		<u>Current Operating Expenditures</u>			
		<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions					
1.	General Administration and Support Services	P 8,893,000	P 3,392,000	P 500,000	P 12,785,000
2.	Research and Development in Industrial, Biological, and Allied Fields	8,783,000	5,677,000	5,542,000	20,002,000
3.	Scientific and Technological Services	4,325,000	2,866,000	4,155,000	11,346,000
4.	Scientific and Technological Manpower Development	200,000	160,000		360,000
Total, Functions		22,201,000	12,095,000	10,197,000	44,493,000
B. Project					
1.	Repair and Improvement of Building and Facilities			4,500,000	4,500,000
Total New Appropriations, Industrial Technology Development Institute		P 22,201,000	P 12,095,000	P 14,697,000	P 48,993,000

Special Provision

1. **Appropriations for Specific Activities and Purposes.** The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services.....	P 12,224,000
b. Scientific and technological conferences, meetings, representation expenses, including membership in international scientific associations.....	61,000
c. Acquisition of equipment.....	500,000
Sub-total, Function 1.....	12,785,000

2. Research and Development in Industrial, Biological and Allied Fields		
a.	Industrial, biological and allied fields research and development.....	13,062,000
b.	Technical information and documentation services.....	1,140,000
c.	Preparation and editing of the Philippine Journal of Science.....	258,000
d.	Acquisition of equipment.....	5,542,000
	Sub-total, Function 2.....	<u>20,002,000</u>
3. Scientific and Technological Services		
a.	Testing, analysis and calibration of materials and products, and technological services.....	7,191,000
b.	Acquisition of equipment.....	4,155,000
	Sub-total, Function 3.....	<u>11,346,000</u>
4. Scientific and Technological Manpower Development		
a.	Scientific and technological manpower development, awards and incentives.....	360,000
	Sub-total, Function 4.....	<u>360,000</u>
	Total, Functions.....	<u>P 44,493,000</u> =====

F. National Academy of Science and Technology
Identification Code: 4108-03

For general administration and promotion and recognition of scientific and technological efforts and achievements in accordance with the functions indicated hereunder.....P 7,780,000

	<u>Current Operating Expenditures</u>			<u>Totals</u>
	<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	
A. Functions				
1. General Administration and Support Services	P 755,000	P 490,000	P	1,245,000

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2.	Promotion and Recognition of Scientific and Technological Efforts and Achievements	5,588,000	200,000	5,788,000
3.	Promotion and Development of International Linkages	618,000		618,000
4.	Advisory Services	129,000		129,000
	Total, Functions	755,000	6,825,000	200,000
				7,780,000

Total New Appropriations, National Academy of Science and Technology		P	755,000	P	6,825,000	P	200,000	P	7,780,000
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Special Provision

1. Appropriations for Specific Activities and Purposes. The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions :

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services, including the payment of P84,000 for per diems of members of the Executive Council for actual attendance in Council sessions at P250 per meeting but not exceeding 4 meetings a month and reimbursement of actual reasonable traveling expenses.....	P 1,245,000
Sub-total, Function 1.....	<u>1,245,000</u>
2. Promotion and Recognition of Scientific and Technological Efforts and Achievements	
a. Screening of nominations, investitures and awards for new academicians, national scientists and other awardees.....	149,000
b. Payment of benefits to members of the Academy, pursuant to the Academy's Charter.....	2,556,000
c. Payment of life pensions and other privileges of national scientists awardees.....	1,637,000
d. Provision of Academy research fellowship grants.....	1,117,000
e. Granting of performance awards and achievement incentives for exemplary contributions to the development of science and technology.....	129,000
f. Acquisition of equipment.....	200,000
Sub-total, Function 2.....	<u>5,788,000</u>

3. Promotion and Development of International Linkages

a. Promotion and development of linkages with academies of science in other countries and with other equivalent organizations..... 618,000

Sub-total, Function 3..... 618,000

4. Advisory Services

a. Conduct of the annual scientific meeting of the Academy and formulation of policy recommendations through state-of-the-art conferences, seminars, memorial lecture series and sessions..... 129,000

Sub-total, Function 4..... 129,000

Total, Functions..... P 7,780,000

G. Philippine Atmospheric, Geophysical and Astronomical Services Administration
Identification Code: 4108-05

For general administration, weather and flood forecasting, geophysical and astronomical services, observation and acquisition of data for environmental and allied services, research and training on environmental and allied sciences, and typhoon moderation and weather modification development in accordance with the functions and projects indicated hereunder.....P 80,776,000

	Current Operating Expenditures			Totals
	Personal Services	Maintenance and Other Operating Expenses	Capital Outlays	
A. Functions				
1. General Administration and Support Services	P 14,724,000	P 8,143,000		P 22,867,000
2. Weather and Flood Forecasting and Geophysical and Astronomical Services	8,267,000	10,579,000		18,846,000
3. Observation and Acquisition of Data for Environmental and Allied Services	14,463,000	5,614,000		20,077,000
4. Research and Training on Environmental and Allied Sciences	3,162,000	3,655,000		6,817,000
5. Typhoon Moderation and Weather Modification Development	1,774,000	2,256,000		4,030,000
Total, Functions	42,390,000	30,247,000		72,637,000

328 GENERAL APPROPRIATIONS ACT, CY1988

B. Projects

1.	Man and Biosphere Program		175,000		175,000
2.	Kalayaan Island Environmental Research and Marine Science Center	202,000	1,371,000		1,573,000
3.	Typhoon Operation Experiment (TOPEX) Study of Monsoon Rain	608,000	1,283,000		1,891,000
4.	Construction of Access Road at the Maasin, Leyte; Dumaguete, Negros Oriental and Diliman, Quezon City Field Stations			1,000,000	1,000,000
5.	Construction of a Balloon Fabrication Annex Building			3,500,000	3,500,000
	Total, Projects	810,000	2,829,000	4,500,000	8,139,000
Total New Appropriations, Philippine Atmospheric, Geophysical and Astronomical Services Administration					
		P 43,200,000	P 33,076,000	P 4,500,000	P 80,776,000
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Special Provision

1. Appropriations for Specific Activities and Purposes. The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services.....	P 22,637,000
b. Conduct of and participation in scientific and technical conferences and meetings, including membership in international and national scientific organizations.....	130,000
c. Implementation of the USAID-USCGS-Assisted Regional Seismological Project in Southeast Asia.....	100,000
Sub-total, Function 1.....	<u>22,867,000</u>
2. Weather and Flood Forecasting and Geophysical and Astronomical Services	
a. Typhoon warning and weather services.....	7,323,000
b. Flood forecasting and hydro-meteorological services.	3,516,000
c. Geophysical and astronomical services.....	2,193,000
d. Installation, repair and maintenance of telemetering multiplex systems for Pampanga, Agno and Bicol; and Cagayan River Basin Flood Forecasting and Warning Operation System.....	788,000

e.	Implementation of the flood forecasting and Warning System for Dam Operation Project No. 1.....	5,026,000
	Sub-total, Function 2.....	<u>18,846,000</u>
3.	Observation and Acquisition of Data for Environmental and Allied Services	
a.	Observation, measurement, recording and reporting of atmospheric and other weather data and climatological research project.....	15,295,000
b.	Operation and maintenance of a Weather Surveillance Radar Network.....	468,000
c.	Engineering and technical services.....	4,314,000
	Sub-total, Function 3.....	<u>20,077,000</u>
4.	Research and Training on Environmental and Allied Sciences	
a.	Research and training activities on environmental and allied sciences.....	6,435,000
b.	Participation in the Natural Disaster Prevention, Research and Training Center.....	382,000
	Sub-total, Function 4.....	<u>6,817,000</u>
5.	Typhoon Moderation and Weather Modification Development	
a.	Typhoon moderation and weather modification activities, including the payment of P50,000 for the flying pay of personnel (on flying status) undertaking aerial flights, equivalent to 25 percent of their base pay; PROVIDED, that flying pay shall be given only to personnel who have logged more than 10 flying hours a month.....	2,913,000
b.	Conduct of typhoon moderation researches, pursuant to Section 10 of P.D. No. 78, as amended.....	1,117,000
	Sub-total, Function 5.....	<u>4,030,000</u>
	Total, Functions	<u><u>P 72,637,000</u></u>

**H. Philippine Council for Agriculture, Forestry and Natural Resources
Research and Development
Identification Code: 1101-09**

For general administration and development, integration and coordination of the national research system for agriculture and natural resources in accordance with the functions and project indicated hereunder.....P 29,562,000

		<u>Current Operating Expenditures</u>			
		<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions					
1.	General Administration and Support Services	P 2,972,000	P 3,688,000	P 325,000	6,985,000
2.	Research Management Services	10,351,000	7,092,000		17,443,000
3.	Improvement of Research Development in Agriculture and Natural Resources		2,523,000		2,523,000
Total, Functions		13,323,000	13,303,000	325,000	26,951,000
B. Project					
1.	Research and Development Activities		2,611,000		2,611,000
Total New Appropriations, Philippine Council for Agriculture, Forestry and Natural Resources Research and Development		P 13,323,000	P 15,914,000	P 325,000	29,562,000

Special Provision

I. Appropriations for Specific Activities and Purposes. The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services.....	P 6,660,000
b. Acquisition of equipment.....	325,000
Sub-total, Function 1.....	6,985,000
2. Research Management Services	
a. Planning, programming, evaluation and monitoring of research projects in agriculture and natural resources.....	11,842,000
b. Regular team meetings for the various commodities in agriculture and natural resources.....	157,000

c.	Conduct of seminars, workshops, conferences and other meetings in the planning, formulation, evaluation and implementation of the National Research Program in agriculture and natural resources, including payment of P157,000 for per diems for Members of the Governing Council and the Technical Advisory Committee at P500 and P250 each, respectively, per meeting actually attended but not to exceed twelve regular meetings and five special meetings a year.....	449,000
d.	Operation of the management information system.....	292,000
e.	Computer services.....	172,000
f.	Dissemination of research information and technology	2,141,000
g.	Support for technology verification and piloting of matured technology.....	2,107,000
h.	Support for the coordinated review and evaluation of agriculture and natural resources projects.....	283,000
	Sub-total, Function 2.....	<u>17,443,000</u>
3. Improvement of Research Development in Agriculture and Natural Resources		
a.	Support to strengthen the national research capability in agriculture and natural resources.....	1,145,000
b.	Support to National/Regional Research Centers/ Consortia Management.....	1,378,000
	Sub-total, Function 3.....	<u>2,523,000</u>
	Total, Functions.....	P <u>26,951,000</u> =====

I. Philippine Council for Advanced Science and Technology
 Research and Development
 Identification Code: 4108-06

For development, integration and coordination of the national research system for advanced science and technology and related fields in accordance with the function indicated hereunder..... P 2,497,000
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<u>Current Operating Expenditures</u>				
	<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Function				
1. Development, Integration and Coordination of the National Research System for Advanced Science and Technology and Related Fields	P 1,497,000	P 1,000,000		P 2,497,000
Total, Function	1,497,000	1,000,000		2,497,000
 Total New Appropriations, Philippine Council for Advanced Science and Technology Research and Development	 P 1,497,000	 P 1,000,000		 P 2,497,000

Special Provision

1. Appropriations for Specific Activity and Purpose. The amount herein appropriated for the function of the agency shall be used specifically for the following activity and purpose in the indicated amount and condition:

<u>Activity and Purpose</u>	<u>Amounts</u>
1. Development, Integration and Coordination of the National Research System for Advanced Science and Technology and Related Fields	
a. Development, integration and coordination of the national research system for advanced science and technology and related fields.....	P 2,497,000
Total, Function.....	P 2,497,000

J. Philippine Council for Aquatic and Marine Research and Development
 Identification Code: 1101-10

For general administration and development, integration and coordination of the national research system for aquatic and marine resources in accordance with the functions indicated hereunder.....P 3,347,000

Intended for the use of the Department of Science and Technology

Current Operating Expenditures

	<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions				
1. General Administration and Support Services	P 685,000	P 200,000	P 270,000	P 1,155,000
2. Development, Integration and Coordination of the National Research System for Aquatic and Marine Resources	P 1,392,000	P 800,000		P 2,192,000
Total, Functions	2,077,000	1,000,000	270,000	3,347,000
Total New Appropriations, Philippine Council for Aquatic and Marine Research and Development	P 2,077,000	P 1,000,000	P 270,000	P 3,347,000

Special Provision

1. **Appropriations for Specific Activities and Purposes.** The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services.....	P 885,000
b. Acquisition of equipment.....	270,000
Sub-total, Function 1.....	1,155,000
2. Development, Integration and Coordination of the National Research System for Aquatic and Marine Resources	
a. Development, integration and coordination of the national research system for aquatic and marine resources.....	2,192,000
Sub-total, Function 2.....	2,192,000
Total, Functions.....	P 3,347,000

K. Philippine Council for Health Research and Development
 Identification Code: 2305-01

For general administration and development, integration and coordination of the national research system for health and related fields in accordance with the functions and project indicated hereunder.....P 10,966,000

		<u>Current Operating Expenditures</u>			
		<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions					
1.	General Administration and Support Services	P 1,255,000	P 292,000		P 1,547,000
2.	Development, Integration and Coordination of the National Research System for Health and Related Fields	2,539,000	1,627,000	160,000	4,326,000
Total, Functions		3,794,000	1,919,000	160,000	5,873,000
B. Project					
1.	Assistance to the Development and Upgrading of Science and Technology in Health and Related Fields		5,093,000		5,093,000
Total New Appropriations, Philippine Council for Health Research and Development		P 3,794,000	P 7,012,000	P 160,000	P 10,966,000

Special Provision

1. **Appropriations for Specific Activities and Purposes.** The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services.....	P 1,547,000
Sub-total, Function 1.....	1,547,000
2. Development, Integration and Coordination of the National Research System for Health and Related Fields	
a. Formulation of broad research and development policies for the health sector.....	828,000

b.	Programming of health and related field research activities.....	582,000
c.	Evaluation and monitoring of research projects as to financial and other resource requirements.....	1,398,000
d.	Conduct of seminars, workshops, and local and foreign conferences and other meetings in the planning, programming, formulation, evaluation and implementation of the national research programs in health and related fields, including the payment of P200,000 for per diems of the Chairman and members of the PCHRD Governing Council at P325 and P275 each per meeting actually attended but not to exceed P1,300 and P1,100 per month respectively.....	529,000
e.	Maintenance of a repository for research information and findings in health and related fields.....	311,000
f.	Dissemination of research information and technology in health and related fields.....	518,000
g.	Acquisition of equipment.....	160,000
	Sub-total, Function 2.....	4,326,000
	Total, Functions.....	P 5,873,000

L. Philippine Council for Industry and Energy Research and Development
 Identification Code: 1401-07

For general administration and development, integration and coordination of the national research system for industry, energy and public utilities in accordance with the functions and project indicated hereunderP 10,246,000

		<u>Current Operating Expenditures</u>			
		<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A.	Functions				
1.	General Administration and Support Services	P 1,424,000	P 591,000		P 2,015,000
2.	Development, Integration and Coordination of the National Research System for Industry, Energy and Public Utilities	1,989,000	733,000		2,722,000
	Total, Functions	3,413,000	1,324,000		4,737,000

B. Project			
1. Assistance for the Improvement of Industry, Energy and Public Utilities Research		5,509,000	5,509,000
Total New Appropriations, Philippine Council for Industry and Energy Research and Development	P 3,413,000	P 6,833,000	P 10,246,000

Special Provision

1. Appropriations for Specific Activities and Purposes. The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services.....	P 2,015,000
Sub-total, Function 1.....	2,015,000
2. Development, Integration and Coordination of the National Research System for Industry, Energy and Public Utilities	
a. Formulation of broad research and development policies for the industry, energy and public utilities sectors.....	753,000
b. Programming of industry, energy and public utilities research priorities.....	541,000
c. Evaluation and monitoring of research projects as to financial and other resource requirements.....	512,000
d. Periodic survey of domestic and foreign technological progress.....	101,000
e. Conduct of seminars, workshops, conferences and other meetings in the planning, formulation, evaluation and implementation of the National Research Program in Industry and Energy, including payment of P108,000 for per diems of members of the PCIERD Governing Council at P250 per meeting actually attended but not to exceed P1,000 each per month.....	190,000
f. Dissemination of research information and technology.....	351,000
g. Maintenance of a repository for research information in the fields of industry, energy and public utilities.....	274,000

Sub-total, Function 2.....	2,722,000
Total, Functions.....	P 4,737,000

M. Philippine Institute of Volcanology and Seismology

Identification Code: 4108-07

For general administration, and scientific and technological research and development on volcanology, seismology and geophysics in accordance with the functions and project indicated hereunder.....P 13,186,000

Current Operating Expenditures

Maintenance

Personal Services	Operating Expenses	Capital Outlays	Totals
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A. Functions

1. General Administration and Support Services	P 2,463,000	P 1,843,000	P	P 4,306,000
2. Scientific and Technological Research and Development on Volcanology and Seismology and Geophysics	4,510,000	2,740,000	1,330,000	8,580,000
Total, Functions	6,973,000	4,583,000	1,330,000	P 12,886,000

B. Project

1. Construction of a Volcano Monitoring Station			300,000	300,000
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Total New Appropriations, Philippine Institute of Volcanology and Seismology	P 6,973,000	P 4,583,000	P 1,630,000	P 13,186,000
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Special Provision

1. Appropriations for Specific Activities and Purposes. The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

Activities and Purposes	Amounts
1. General Administration and Support Services	
a. Financial and management supervision including general administrative services.....	P 4,209,000
b. Participation in and conduct of scientific and technological conferences, and meetings, and	

payment of representation expenses, including those for membership in international and national scientific associations.....	97,000
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Sub-total, Function 1.....	4,306,000
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2. Scientific and Technological Research and Development on Volcanology, Seismology and Geophysics

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|--|-----------|
| a. Conduct of studies on volcanic eruptions, chains and terranes..... | 1,006,000 |
| b. Eruption/disaster monitoring, evaluation and documentation..... | 696,000 |
| c. Identification of geological hazards and risks as well as land use and mapping..... | 306,000 |
| d. Technical services including the conduct of a manpower training development program and maintenance of a repository of information..... | 722,000 |
| e. Conduct of seismic monitoring and earthquake prediction studies..... | 1,183,000 |
| f. Conduct of geophysical studies on volcanoes and earthquake faults..... | 1,012,000 |
| g. Earthquake disaster mitigation..... | 693,000 |
| h. Conduct of geologic surveys and physical studies of economic volcanic products, and materials identification and testing..... | 739,000 |
| i. Conduct of studies on the utilization of volcanic products..... | 32,000 |
| j. Conduct of exploratory surveys/studies in thermal areas..... | 770,000 |
| k. Conduct of studies on direct and non-electrical uses of geothermal steam..... | 20,000 |
| l. Conduct of studies on the environmental effects of geothermal exploitation..... | 71,000 |
| m. Acquisition of equipment..... | 1,330,000 |

Sub-total, Function 2.....	8,580,000
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Total, Functions.....	P. 12,886,000
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N. Philippine National Science Society
 Identification Code: 4108-10

For general administration and promotion of fundamental research activities in accordance with the functions indicated hereunder.....P 10,449,000

		<u>Current Operating Expenditures</u>			
		<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions					
1.	General Administration and Support Services	P 2,564,000	P 1,583,000	P 100,000	P 4,247,000
2.	Scientific Linkages with Local and Foreign Institutions including the Payment of Expenses for Scientific and Technological Seminars, Meetings and Conferences		760,000		760,000
3.	Promotion of and Assistance to Fundamental Research Activities		5,442,000		5,442,000
Total, Functions		2,564,000	7,785,000	100,000	10,449,000
Total New Appropriations, Philippine National Science Society		P 2,564,000	P 7,785,000	P 100,000	P 10,449,000

Special Provision

1. **Appropriations for Specific Activities and Purposes.** The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services, including the payment of P239,000 for per diems of Members of the Governing Board and of the Finance Committee at the rates of P275 and P100 each per meeting actually attended but not to exceed P1,100 and P200 per month, respectively.....	P 4,007,000
b. Scientific information, dissemination and documentation services and acquisition of library collections.....	140,000
c. Acquisition of equipment.....	100,000
Sub-total, Function 1.....	4,247,000

2. Establishment of Scientific Linkages with Local and Foreign Institutions Including the Payment of Expenses for Scientific and Technological Seminars, Meetings and Conferences		
a.	Provision of travel assistance for participation in international congresses and conferences on scientific matters, subject to the approval of the Governing Board.....	80,000
b.	Payment of membership fees in national and international scientific organizations.....	35,000
c.	Scientific and technological seminars, conferences, meetings, representation and other expenses in connection with the regular, special and annual meetings of the Governing Board.....	645,000
	Sub-total, Function 2.....	760,000
3. Promotion of and Assistance to Fundamental Research Activities		
a.	Assistance for basic research projects and other related activities which shall be released upon recommendation of the Secretary of the Department of Science and Technology and subject to section 40 of P.D. No. 1177.....	5,442,000
	Sub-total, Function 3.....	5,442,000
	Total, Functions.....	P- 10,449,000

D. Philippine Nuclear Research Institute
 Identification Code: 1602-01

For general administration and execution of nuclear activities in accordance with the functions and projects indicated hereunder, P29,218,000, of which P28,670,000 shall be from the regular appropriations and P548,000 from the Special Account in the General Fund..... P 29,218,000

	Current Operating Expenditures	Maintenance and Other	Personal Services	Operating Expenses	Capital Outlays	Totals
A. Functions						
1. General Administration and Support Services	P 4,881,000	P 4,179,000				P 9,060,000

2. Nuclear Research and Development	3,678,000	3,002,000	405,000	7,085,000
3. Nuclear Services and Training	4,087,000	2,750,000	80,000	6,917,000
4. Nuclear Engineering and Facility Operations	2,532,000	809,000		3,341,000
5. Nuclear Regulation, Licensing and Control	1,620,000	647,000		2,267,000
Total, Functions	16,798,000	11,387,000	485,000	28,670,000

B. Projects				
1. A Village-Based Integrated Research Project to Improve Swamp Buffalo Production	54,000	81,000		135,000
2. Pilot Plant Studies on the Techno-Economic Feasibility of Food Irradiation in the Philippines	20,000	93,000		113,000
3. Contribution to the Population Dose from the Transport of Radioactive Materials in the Philippines	18,000	102,000		120,000
4. Neutron Activation Analysis of Toxic Trace Metals in Human Tissue	25,000	15,000		40,000
5. Nuclear Risk Assessment	66,000	54,000		120,000
6. Study of the Maintenance of Nuclear Equipment in the Philippines	12,000	8,000		20,000
Total, Projects	195,000	353,000		548,000
Total New Appropriations, Philippine Nuclear Research Institute	P 16,993,000	P 11,740,000	P 485,000	P 29,218,000

Special Provision

1. Appropriations for Specific Activities and Purposes. The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services, including activities requiring P14,000 for representation expenses; P120,000 for payment of duties, taxes, fees, and other charges for importations, as required by Section 1205 of the Tariff and Customs Code; P154,000 for membership dues and other contributions to the International Atomic Energy	

Agency and other national and international technological organizations; P36,000 for representation expenses of the Philippine representative to the International Atomic Energy Agency in Vienna; and P33,000 for subscription of science publications on atomic energy.....	P 9,007,000
b. Atomic Energy Week celebration.....	53,000
Sub-total, Function 1.....	<u>9,060,000</u>
2. Nuclear Research and Development	
a. Nuclear research and development, including activities requiring P176,000 for environmental surveillance.....	6,380,000
b. Acquisition of equipment.....	405,000
c. Assistance to government institutions, schools and universities, nuclear-oriented societies or individual scientists.....	300,000
Sub-total, Function 2.....	<u>7,085,000</u>
3. Nuclear Services and Training	
a. Nuclear services.....	3,537,000
b. Importation of radioisotope materials and instruments.....	540,000
c. Acquisition of equipment.....	80,000
d. Nuclear manpower development.....	1,394,000
e. Nuclear training and fellowship grant for trainees of the member countries of the International Atomic Energy Agency.....	23,000
f. Nuclear science promotion and information.....	1,343,000
Sub-total, Function 3.....	<u>6,917,000</u>
4. Nuclear Engineering and Facility Operations	
a. Nuclear engineering and facility operations services	3,341,000
Sub-total, Function 4.....	<u>3,341,000</u>
5. Nuclear Regulation, Licensing and Control	
a. Nuclear regulation, licensing and safeguards.....	2,267,000
Sub-total, Function 5.....	<u>2,267,000</u>
Total, Functions.....	<u>P 28,670,000</u> =====

P. Philippine Science High School
 Identification Code: 2106-01

For general administration and secondary science education in accordance with the functions and projects indicated hereunder.....P 29,630,000

		<u>Current Operating Expenditures</u>			
		<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions					
1.	General Administration and Support Services	P 2,440,000	P 3,737,000	P 532,000	P 6,709,000
2.	Provision of Secondary Science Education on Scholarship Basis	3,822,000	7,789,000	310,000	11,921,000
Total, Functions		6,262,000	11,526,000	842,000	18,630,000
B. Projects					
1.	Completion of the PSHS Multi-purpose Gymnasium at Diliman Campus			5,000,000	5,000,000
2.	Construction of the Girls Residence Hall Extension at Diliman Campus			6,000,000	6,000,000
Total, Projects				11,000,000	11,000,000
Total New Appropriations, Philippine Science High School		P 6,262,000	P 11,526,000	P 11,842,000	P 29,630,000

Special Provision

1. **Appropriations for Specific Activities and Purposes.** The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services, including the payment of P22,000 for per diems of the members of the Board of Trustees for actual attendance in Board meetings.....	P 6,177,000
b. Acquisition of equipment - Diliman Campus.....	532,000
Sub-total, Function 1.....	6,709,000

344 GENERAL APPROPRIATIONS ACT, CY1988:

2. Provision of Scholarships on Secondary Science Education

a. Operation of PSHS - Diliman Campus, including the payment of P5,840,000 for stipends, allowances and awards of science scholars.....	5,9,168,000
b. Operation of PSHS - Mindanao Campus, including the payment of P504,000 for stipends, allowances and awards of science scholars.....	2,350,000
c. Acquisition of equipment - Mindanao Campus.....	310,000
d. Conduct of national competitive examinations.....	93,000
Sub-total, Function 2.....	11,921,000
Total, Functions.....	P 18,630,000

Q. Philippine Textile Research Institute
Identification Code: 4108-11

For general administration, textile research, product development and technical assistance to the textile industry in accordance with the functions and projects indicated hereunderP 17,081,000

	Current Operating Expenditures			Totals
	Personal Services	Maintenance and Other Operating Expenses	Capital Outlays	
A. Functions				
1. General Administration and Support Services	P 2,395,000	P 1,187,000	P 3,691,000	P 7,273,000
2. Research on Textile Materials and Product Development	2,154,000	1,859,000		4,013,000
3. Textile Processing and Engineering Services	1,127,000	1,018,000		2,145,000
4. Textile Testing, Standards Development and Information Services	1,418,000	1,032,000		2,450,000
Total, Functions	7,094,000	5,096,000	3,691,000	15,881,000
B. Projects				
1. Construction of a Pilot Plant Building for Processing of Indigenous Natural Fibers into Textile			1,000,000	1,000,000

2. Construction of the Finishing Section of the Existing Pilot Plant	200,000	200,000
Total, Projects	1,200,000	1,200,000
Total New Appropriations, Philippine Textile Research Institute		
P 7,094,000 P 5,096,000 P 4,891,000 P		17,081,000

Special Provision

1. Appropriations for Specific Activities and Purposes. The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services..... P	3,496,000
b. Manpower development training.....	50,000
c. Representation and participation in meetings, conferences, workshops, fairs and exhibits on textiles.....	36,000
d. Acquisition of equipment.....	3,691,000
Sub-total, Function 1.....	7,273,000
2. Research on Textile Materials and Product Development	
a. Conduct of chemical and physical characterization usage and optimization of textile raw materials....	565,000
b. Conduct of research studies on textile product properties improvement and end-use diversification..	1,236,000
c. Conduct of research studies on silkworm breeding....	908,000
d. Extension of technical assistance to silkworm rearers and for textile research problems.....	1,304,000
Sub-total, Function 2.....	4,013,000
3. Textile Processing and Engineering Services	
a. Conduct of studies on textile manufacturing processes and on machinery utilization.....	1,070,000
b. Provision of technical assistance to the textile industry on textile processing, machinery utilization and related energy conservation.....	1,075,000
Sub-total, Function 3.....	2,145,000

346 GENERAL APPROPRIATIONS ACT, CY1988

4. Textile Testing, Standards Development and Information Services	
a. Testing of raw materials and allied products.....	1,102,000
b. Formulation and revision of textile standards.....	840,000
c. Dissemination of textile information and documentation services to textile millers and allied manufacturers.....	508,000
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Sub-total, Function 4.....	2,450,000
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Total, Functions.....	P 15,881,000
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R. Science Education Institute
 Identification Code: 4108-08

For general administration and development, integration and coordination of the science and technology manpower development program in accordance with the functions and projects indicated hereunder..... P 26,418,000

<u>Current Operating Expenditures</u>				
	<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions				
1. General Administration and Support Services	P 1,264,000	P 660,000		P 1,924,000
2. Development, Integration and Coordination of the Science and Technology Manpower Development Program	1,370,000	1,519,000	300,000	3,189,000
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Total, Functions	2,634,000	2,179,000	300,000	5,113,000
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B. Projects				
1. Career Development for Science and Math for Talented Youth		10,900,000		10,900,000
2. Career Development for Science and Math Teachers		4,000,000		4,000,000
3. Institution Building Capabilities in the Sciences		4,040,000		4,040,000
4. Support Activities and Alternative Delivery Programs in Science Education		1,100,000		1,100,000

5. Utilization of Scientific Manpower Resources	1,265,000	1,265,000
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Total, Projects	21,305,000	21,305,000
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Total New Appropriations,
 Science Education
 Institute P 2,634,000 P 23,484,000 P 300,000 P 26,418,000
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Special Provision

1. **Appropriations for Specific Activities and Purposes.** The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services.....	P 1,924,000
Sub-total, Function 1.....	----- 1,924,000
2. Development, Integration and Coordination of the Science and Technology Manpower Development Program	
a. Development, integration and coordination of the science and technology manpower development program	2,889,000
b. Acquisition of equipment.....	300,000
Sub-total, Function 2.....	----- 3,189,000
Total, Functions.....	----- P 5,113,000 =====

S. Science and Technology Information Institute
 Identification Code: 4108-09

For general administration and development of science and technology information system in accordance with the functions indicated hereunder..... P 8,722,000

Current Operating Expenditures

	<u>Personal Services</u>	<u>Maintenance and Other Operating Expenses</u>	<u>Capital Outlays</u>	<u>Totals</u>
A. Functions				
1. General Administration and Support Services	P 1,176,000	P 610,000	P 295,000	P 2,081,000

348 GENERAL APPROPRIATIONS ACT, CY1988

2. Development of Science and Technology Information System	2,526,000	4,115,000		6,641,000
Total, Functions	3,702,000	4,725,000	295,000	8,722,000
Total New Appropriations, Science and Technology Information Institute				
P	3,702,000	P	4,725,000	P
			295,000	P
				8,722,000

Special Provision

1. Appropriations for Specific Activities and Purposes: The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

	Activities and Purposes		Amounts
1.	General Administration and Support Services		
a.	General administrative services.....	P	1,786,000
b.	Acquisition of equipment.....		295,000
	Sub-total, Function 1.....		2,081,000
2.	Development of Science and Technology Information System		
a.	Development of science and technology information system.....		6,641,000
	Sub-total, Function 2.....		6,641,000
	Total, Functions.....	P	8,722,000

T. Technology Application and Promotion Institute
Identification Code: 4108-12

For general administration and technology application and promotion in accordance with the functions indicated hereunder.....P 6,344,000

Current Operating Expenditures

	Personal Services	Maintenance and Other Operating Expenses	Capital Outlays	Totals
A. Functions				
1. General Administration and Support Services	P 1,116,000	P 1,133,000	P	2,249,000

2. Technology Application and Promotion	2,295,000	1,700,000	100,000	4,095,000
Total, Functions	3,411,000	2,833,000	100,000	6,344,000
Total New Appropriations, Technology Application and Promotion Institute				
	P 3,411,000	P 2,833,000	P 100,000	P 6,344,000
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Special Provision

1. **Appropriations for Specific Activities and Purposes.** The amounts herein appropriated for the functions of the agency shall be used specifically for the following activities and purposes in the indicated amounts and conditions:

<u>Activities and Purposes</u>	<u>Amounts</u>
1. General Administration and Support Services	
a. General administrative services.....	P 2,249,000
Sub-total, Function 1.....	2,249,000
2. Technology Application and Promotion	
a. Technology application and promotion.....	3,995,000
b. Acquisition of equipment.....	100,000
Sub-total, Function 2.....	4,095,000
Total, Functions.....	P 6,344,000
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GENERAL SUMMARY
DEPARTMENT OF SCIENCE AND TECHNOLOGY

		Current Operating Expenditures			
		Personal Services	Maintenance and Other Operating Expenses	Capital Outlays	Totals
A.	Office of the Secretary	P 26,958,000 P	64,875,000 P	19,099,000 P	110,932,000
B.	Advanced Science and Technology Institute	2,607,000	1,000,000		3,607,000
C.	Food and Nutrition Research Institute	10,798,000	6,316,000	10,812,000	27,926,000
D.	Forest Products Research and Development Institute	12,617,000	6,008,000	2,307,000	20,932,000
E.	Industrial and Technology Development Institute	22,201,000	12,095,000	14,697,000	48,993,000
F.	National Academy of Science and Technology	755,000	6,825,000	200,000	7,780,000
G.	Philippine Atmospheric, Geophysical and Astronomical Services Administration	43,200,000	33,076,000	4,500,000	80,776,000
H.	Philippine Council for Agriculture, Forestry and Natural Resources Research and Development	13,323,000	15,914,000	325,000	29,562,000
I.	Philippine Council for Advanced Science and Technology Research and Development	1,497,000	1,000,000		2,497,000
J.	Philippine Council for Aquatic and Marine Research and Development	2,077,000	1,000,000	270,000	3,347,000
K.	Philippine Council for Health Research and Development	3,794,000	7,012,000	160,000	10,966,000
L.	Philippine Council for Industry and Energy Research and Development	3,413,000	6,833,000		10,246,000
M.	Philippine Institute of Volcanology and Seismology	6,973,000	4,583,000	1,630,000	13,186,000

DEPARTMENT OF SCIENCE AND TECHNOLOGY 351

N.	Philippine National Science Society	2,564,000	7,785,000	100,000	10,449,000
O.	Philippine Nuclear Research Institute	16,993,000	11,740,000	485,000	29,218,000
P.	Philippine Science High School	6,262,000	11,526,000	11,842,000	29,630,000
Q.	Philippine Textile Research Institute	7,094,000	5,096,000	4,891,000	17,081,000
R.	Science Education Institute	2,634,000	23,484,000	300,000	26,418,000
S.	Science and Technology Information Institute	3,702,000	4,725,000	295,000	8,722,000
T.	Technology Application and Promotion Institute	3,411,000	2,833,000	100,000	6,344,000
Total New Appropriations, Department of Science and Technology		P 192,873,000	P 233,726,000	P 72,013,000	P 498,612,000