5. IMPLEMENTATION PLAN OF THE PROJECT

<u>a - 24</u>

5. IMPLEMENTATION PLAN OF THE PROJECT

5.1 Organization for Implementation of the Project

The executive agency of the Project is DECS. Its subordinate organization EDPITAF will be in charge of the actual tasks of implementation.

After the Exchange of Notes is concluded between the Governments of Japan and the Philippines, a contract of the implementation will be made with the Government of the Philippines by a Japanese consultant firm on the detailed designs and supervision, and by a Japanese trading company firm on the supply of the equipment, respectively.

5.2 Undertakings of Both Governments

This Project is to provide the instructional equipment to the high schools in Region V and Region VIII as a part of assistance to secondary education instructional equipment program covering all over the Philippines. Undertakings of both governments for the Project are shown in the following table.

-45-

Items of Undertakings	Japan	Philippines
	مېر يې د دانه د وې د و	
) Equipment	0	
 Procurement of equipment Inspection at the warehouse in Manila 	Ō	
3) Operation instruction of equipment	0	
3) obergerow rubergooren er ederkant		and the second
) To secure warehouses as key stations		0
		0
) To secure storing space for equipment		0
in each school		
		0
) To provide the utilities		V
N m	алан сайтан. Алан сайтан с	
) To ensure import/customs clearance 1) Transportation to Philippines	0	
2) Tax exemption/customs clearance	•	0
3) Internal transportation in Philippines		
a) To the warehouse in Manila	0	
b) From the warehouse in Manila		
to each key station	0	· · · ·
c) From key stations to each school		0
		·
) To bear the commissions to Japanese	•	0
foreign exchange bank for banking		
services based on the B/A		
(Banking Arrangement)		· · ·
		0
3) To accord convenient official services		· · · ·
for Japanese nationals whose work may be required in connection with the		
Project at their entry into and		
departure from the Philippines and		1
during their stay therein for the		
performance of their work		
A		
) To maintain and use properly and		0
effectively the equipment provided		· ·
by the Grant-in-Aid		
		<u>^</u>
)) To bear all expenses other than		0
those to be borne by the Grant-in-		
Aid necessary for the construction of facilities as well as for the		
transportation and installation		
of the equipment		
or one adarbunders		· · · ·
) Procedures to get approvals necessary		0
for the works, etc.		-
•	· · ·	· · · · · ·
arks <1: Operation instruction by the Region	n level.	

5.3 Procurement and Delivery Plan

5.3.1 Procurement and Delivery Principles and Items to be Considered

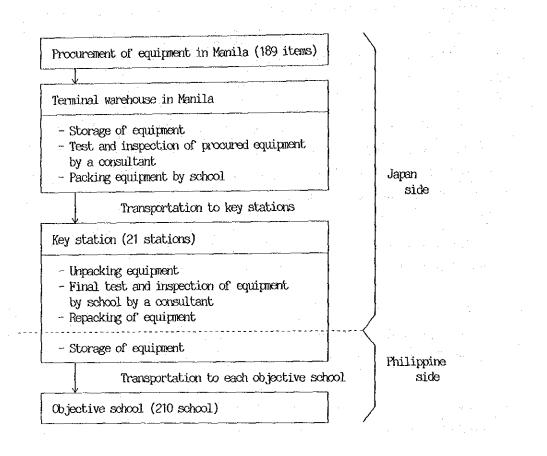
Considering the Project is implemented by the grant aid provided by the Government of Japan, the following items should be considered the execute the procurement and delivery.

- 1) In the construction work of the school buildings with typhoon-proof structure in Region VIII which is planned by Japan, it is necessary to grasp the construction schedule so that the equipment may be supplied smoothly in these schools.
- 2) Responsibilities should be clarified concerning the transportation of the equipment to ensure the smooth and effective delivery.
- 3) Sufficient exchange of opinion should be made between the Philippine side, and a consultant firm and a trading firm of Japan side to maintain a good relationship.
- 4) Efforts should be made to prevent accidents at the time of temporal storage and transportation of the equipment.

5.3.2 Execution Plan

The instructional equipment in the Project do not include any ones required the installation works. After the equipment is procured, store and packed by each school in Manila, the package of the equipment is delivered to each school. In this time, Japan side undertakes the transportation up to total 21 key stations set up in both Regions, and the Philippine side undertakes it from key stations to each objective school. Working flow-chart of procurement and delivery of the equipment is shown in below.

-47-



5.3.3 Supervision Plan

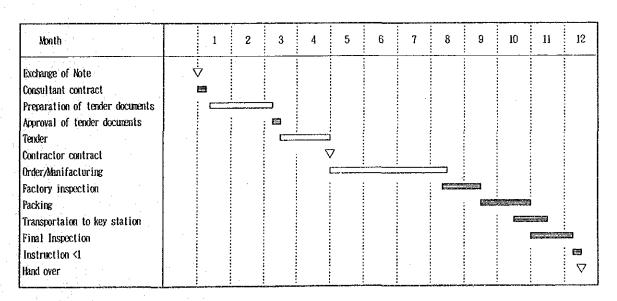
For procuring and distributing the equipment of the Project, a careful plan will be made based on sufficient previous arrangements with the Philippine side. The following items should be considered in the equipment procurement and delivery.

1) Since the transportation of the equipment is undertaken via key stations by Japan side and the Philippine side in turn, coordination should be made thoroughly from the detail design stage to make the transportation plan. Efforts should be made to coordinate with the construction work of typhoon-proof buildings, and shorten the sojourning period of the equipment at key stations.

- 2) Prior to supplying the equipment, the execution plan made by the contractor should be reviewed carefully, and appropriateness should be evaluated of the working schedule, procurement plan and equipment specifications.
- 3) An inspection of the equipment should be made beforehand while packing the equipment for each school in Manila to avoid troubles in the final inspection at key stations.
- 4) In the delivery and handing over of the equipment, the instruction of usage of the main equipment is to be carried out in each Region by a It should be examined and confirmed whether the contractor. instruction of usage is appropriate or not.

5.4 Implementation Schedule

The implementation schedule of the Project is described in the following table. The schedule is composed of the three steps of detailed design, bidding and execution.



Works in the Philippines

Works in Japan

Remarks <1: The instruction of usage and experiment on the major equipment to be carried out to representatives of teachers in each educational division at a selected school in each Region.

5.5 Project Cost Undertaken by the Government of the Philippines

The project cost undertaken by the Government of the Philippines to cover the transportation from key stations to each school and electrical work is estimated to be approximately P 6.55 million. The details are as follows.

1) Transportation: Approximately ₽3.97 million.

2) Electricity: Approximately #2.58 million.

6. OPERATION AND MAINTENANCE PLAN

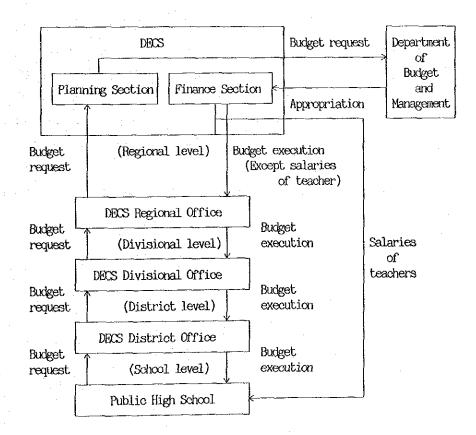
6. OPERATION AND MAINTENANCE PLAN

6.1 Maintenance System

The equipment will be provided to a large number of national high schools in Region V and Region VIII through DECS which is the executive agency of the Project.

The operation and maintenance of these equipment are performed by each school. As all the public high schools were nationalized in 1988, the annual budget of each school including operation and maintenance expenses are financed by DECS. Only the salaries of the teachers are paid directly to each teacher from DECS, and other budgets are paid to each Regional Education Office from DECS, and later paid to each school through Divisional Education Offices.

The budgeting system of the national high schools is shown in the following chart.



-51-

6.2 Operation and Maintenance Budget

As was mentioned in "2.4.3 Maintenance Gost of Schools", the budget of the average annual cost of operation and maintenance per one public high school in Region V and VIII in 1988 was ₱59,000 and ₱66,000, respectively. As this budget will cover transportation, lighting and heating, equipment, and other operation and maintenance expenses, the amount to be allotted to the replacement and refillment of equipment and chemicals is extremely small. When the Project is implemented, the expenses of the following items in one school will increase as shown in the table.

 Chemicals and consumables Glass tools replacement 	₽3,300 /year ₽1,250 /year
(10% of appliance cost) 3) Training materials of	+ α
Technology & Home Management 4) Increase of lighting and heating expenses	+ α
Total	₽4,550/year + α

As the increase of these costs are not included in the present budget plan, it is assumed to cause the equipment to be used less frequently. DECS is now trying to cope with this problem, seeking for a way to prepare a special budgetary measure for the recipient schools of SEDP including the Project. The estimated amount of increase is 10 to 20 percent of the average operation and maintenance cost per school at present. As the amount is not so large, it is very likely that the budgetary measure will be taken for this cost.

7. EVALUATION OF THE PROJECT

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7. EVALUATION OF THE PROJECT

7.1 Effects of the Project Implementation

7.1.1 Effects on Secondary Education

The secondary education in the Philippines has not produced sufficient effects because of imperfect facilities and instructional equipment, low level of teachers, improper curriculum, and so on. Under such circumstances, the Government of the Philippines formulated Secondary Education Development Program (SEDP) aiming at the improvement in the quality, access and equity of the secondary education. At the same time free secondary education in the public sector was made mandatory under the 1987 Constitution. Consequently, 3,414 public high schools have been nationalized since June 1988, and free education has been maintained.

The purpose of the Project is to provide standard instructional equipment in the urgently required fields of Science and Technology & Home Management to a large number of national high schools in Region V and VIII, where the development of secondary education has been far behind other Regions, and thereby realize efficient experiments and training, and improve the quality of education. The number of national high schools located in these regions as of 1988 are 572, and the number of students enrolled is about 295,000. The number of the objective schools in the Project is 210, which is 36.7 percent of the whole. The number of the recipient students is about 147,000, which is 49.8 percent of the total. Thus, the effects of the improvement of the secondary education produced by the Project will be great.

7.1.2 Effects on the Society of the Philippines

The Aquino government has introduced new policies protecting the economically weak, focusing on "development of education and human resource". The improvement of the secondary education promoted by SEDP is one of the specific measures to be the center of the movement.

The implementaion of the Project will enable the lessons with a benefit of specific instructional equipment so that the students may be strongly interested in learning and become more willing to continue studying even under the unfavorable social conditions. As a result, the standard of education in these Regions will be improved so that many people can receive higher education and acquire the basic knowledge to meet the requirements of the employers.

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7.2 Justification of the Project

The goal of SEDP is a general improvement of 3,414 national high schools in the country, and the Government of the Philippines is seriously tackling the achievement of the goal. The target year is 1992, and the works of improving curriculum and school facilities have already started with ADB Loan and other assistance from abroad. This Project, being a part of SEDP, will contribute to the work by providing instructional equipment. As the secondary education in the objective Regions is far behind in the whole country, the implementation of the Project is expected to bring great effects on the improvement of the secondary education in these Regions.

Thus, it is considered to be appropriate to implement the Project.

8. CONCLUSION AND RECOMMENDATION

8. CONCLUSION AND RECOMMENDATION

8.1 Conclusion

It is convinced that this Project, playing a part of the comprehensive SEDP, will greatly contribute to the improvement of the secondary education of the Philippines by providing instructional equipment.

Therefore, it is considered to be extremely significant that the Government of Japan should provide grant aid for the implementation of the Project.

8.2 Recommendation

It is recommended that the Government of the Philippines will take the following measures to proceed smoothly and effectively the execution of the Project as well as the operation and maintenance thereafter.

- The transportation of the equipment to the key stations in the objective Regions will be undertaken by Japan, but the transportation from the key stations to each school is in charge of the Philippines. It is necessary to make an execution plan and prepare required staff beforehand, and take necessary budgetary measures to secure key stations and transportation to the schools.
- 2) Electricity facilities have not yet provided in some of the recipient schools. As some of the equipment in the Project require electric source, it is necessary to take budgetary measures to supply electricity before the implementation of the Project.
- 3) The re-education of the teachers should be strengthened to give sufficient understanding of the use of the provided equipment.
- 4) The fact is that the annual budget allotted to the operation and maintenance in the high schools is too tight to cover the operation and maintenance expenses of the instructional equipment. An additional budget should be appropriated at least for the recipient schools of the Project to cover the expenses necessary for the operation and maintenance of the equipment.

APPENDIX

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APPENDIX 1

12

,我们们们就是你们的你们,你们们的你们,你们的你们的?""你们,你们们的你们,你们们们的你们,你们的你们的你们,你们不能能能做你,你们们们们就能能不能能能能能能能

1.1 Members of the Basic Design Study Team

• • •

Name	Speciality	Present Department
Shizuo Matsubara	Leader	Chief, Chemistry Education Division, Research Centre for Science Education National Institute for Educational Research
Shoji Matsumoto	Project Coordinator	Second Basic Design Study Division, Grant Aid Survey Department, JICA
Tamotsu Tomiyana	Instructional Equipment (1)	System Science Consultants Inc.
Harunobu Yoshino	Instructional Equipment (2)	System Science Consultants Inc.
Hiroshi Abo	Cost Estimation Work in Japan c	System Science Consultants Inc.

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1.2 Study Team Survey Itinerary

Da	te	It	inerary	Description
				
1.	Feb.26	(Mon)	Narita-Manila	Meeting with JICA and Embassy of Japan
2.	Feb.27	(Tue)	Manila	Discussion with Department of Education, Culture and Sports (DECS)
3.	Feb.28	(Wed)	Manila-Legazpi	Survey of high schools in Bicol Region
4.	Mar. 1	(Thu)	Legazpi-Manila	- Ditto -
5.	Mar. 2	(Fri)	Manila	Discussion with DECS
6.	Mar. 3	(Sat)	Manila	Visit to ISMED and NLRC
7.	Mar. 4	(Sun)	Manila	Team meeting and data analysis
8.	Mar. 5	(Mon)	Manila	Discussion with DECS
9.	Mar. 6	(Tue)	Manila	Signing of Minutes of Discussions. Report to Embassy of Japan and JICA
10.	Mar. 7	(Wed)	Manila-Narita	Departure of official members of the team
			Manila	Additional survey by consultant members of the team
11.	Mar. 8	(Thu)	Manila	- Ditto -
12.	Mar. 9	(Fri)	Manila	- Ditto -
13.	Mar.10	(Sat)	Manila	- Ditto ~
14.	Mar.11	(Sun)	Manila-Narita	Departure of consultant members of the team

1.3 List of Members Contacted

Organization & Position	Name
] Embassy of Japan	
First Secretary	Kazuyoshi Yamaguchi
Second Secretary	Kouichi Mizushima
] JICA Philippine Office	
Vice President	Katsuhiko Oshima
Officer	Katsuro Saito
] Department of Education, Culture and Sp	orts:DECS
Secretary	Dr. Isidro D. Carino
Undersecretary, DECS	Dr. Victor M. Ordoñez
Executive Director, EDPITAF	
Asst. Director, BSE	Dr. Avelina T. Llagas
Head, RPDO-EDPITAF	Lourdes G. de Vera
Officer, RPDO-EDPITAF	Angelita Baltazar
Officer, RPDO-EDPITAF	Rosana Solis
Officer, RPDO-EDPITAF	Gigi Baltazar
Sector Desk Officer, RPDO-EDPITAF	Didi Sering
Head, GAO-EDPITAF	Yolanda A. Ramo
Officer, GAO-EDPITAF	Milagros Talinio
Officer, GAO-EDPITAF	Liza Jabson
Asst. Program Manager, SEDP-EDPITAF	Lilia Tuason
National Economic and Development Auth	ority:NEDA
Officer	Felix B. Sanchez
] ISMED, University of the Philippines	
Director	Prof. Porfirio P. Jesuitas
Australian International Development A	
Project Manager, PASMEP	D. D. Malikienas

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1.4 Minutes of Discussions

MINUTES OF DISCUSSIONS

ON THE PROJECT FOR

ASSISTANCE TO SECONDARY EDUCATION INSTRUCTIONAL EQUIPMENT PROGRAM

IN

THE REPUBLIC OF THE PHILIPPINES

In response to the request of the Government of the Republic of the Philippines (GOP), the Government of Japan (GOJ) decided to conduct a Basic Design Study on The Project for Assistance to Secondary Education Instructional Equipment Program (hereinafter referred to as "the Project"), and entrusted the study to the Japan International Cooperation Agency (JICA). JICA sent to the Philippines the study team headed by Mr. Shizuo MATSUBARA, Chief, Chemistry Education Division, Research Centre for Science Education, National Institute for Educational Research from February 26 to March 11, 1990.

The Team had a series of discussions on the Project with the officials concerned in the Government of the Philippines and conducted a field survey in Manila and Bicol areas.

As a result of the study and discussions, both parties agreed to recommend to their respective Governments that the major points, of understanding reached between them, attached herewith, should be examined towards the realization of the Project.

Signed this 6th day of March 1990 in Manila, Philippines.

Mr. SHIZUO MATSUBARA Team Leader Basic Design Study Team Japan International Cooperation Agency

Dr. ISIDRO D. CARINO Secretary Department of Education, Culture and Sports

1. TITLE OF THE PROJECT

The title of the Project is "The Project for Assistance to Secondary Education Instructional' Equipment Program".

2. OBJECTIVE OF THE PROJECT

The objective of the Project is to provide necessary instructional equipment (hereinafter referred to as "the Equipment") for secondary schools in order to enhance the teaching of the new secondary education curriculum under the Secondary Education Development Program (SEDP).

3. IMPLEMENTING AGENCY

The Implementing Agency for the Project is the Department of Education, Culture and Sports (DECS) through the Educational Development Projects Implementing Task Force (EDPITAF).

4. PROJECT SITE

The DECS requested recipient schools, listed according to priority in Annex I, has been confirmed by the Mission.

.5. STANDARD LIST OF THE REQUESTED EQUIPMENT

The DECS requested standard list of equipment for specific subject areas, as shown in Annex II, has been confirmed by the Mission.

6. DELIVERY OF EQUIPMENT

The delivery of equipment up to the key stations will be covered by the grant.

7. JAPAN'S GRANT AID PROGRAM

The Philippine side has understood the system of Japan's Grant Aid Program explained by the Team which include a principle for use of a Japanese consultant firm and Japanese contractors for the implementation of the Project.

8. NECESSARY MEASURES TO BE TAKEN BY THE PHILIPPINE SIDE

The Government of the Philippines will take the necessary measures listed in Annex III on the condition that the Grant Aid by the Government of Japan is extended to the Project.

Ja

Annex I PRIORITIZED PROJECT SITES

REGI	ON V
1.	Marcial O. Ranola Mem. School
i alia se	Guinobatan Albay
2.	San Lorenzo BIIS
£	Tabaco, Albay
з.	Polangui Gen. Comp. HS
	Polangui Albay
4.	Masarawag BIIS
- T • ·	Guinobatan, Albay
5.	Libon Agro-Indust'l HS
•••	Libon, Albay
6.	Saban IIS
	Oas, Albay
7	Malipot BHS
	Guinobatan, Albay
8.	Matacon IIS
	Polangui, Albay
9.	San Antonio IIS
7	Tabaco, Albay
10.	Cavasi IIS
	Ligao, Albay
11.	Bariw HS
	Camalig, Albay
12.	Paul ba IIS
	Ligao, Albay
13.	Malaboq IIS
	Daraga, Albay
14.	Pagasa NIIS
- 19 19	Legaspi, Albay
15.	Tabaco NHS
$(x_1, \beta_1) = (x_1, \beta_2)$	Tabaco, Albay
16.	Batobalani BUS
·.	Paradale, Camarines Norte
17.	Matacong BHS
	Imelda, CN
18.	Rizal BHS
	Sta. Elena, CN
19.	Dasud BIIS
	Basud, CN
20.	Vinzons HS
~~~	Vinzons, CN
21.	Impig NHS
	Impig, Camarines Sur
22.	Selvacion BIIS
23.	
23.	Salvacion BHS
24.	Tigaon, CS San Ramon BHS
64.	
216	San Isidro BIS
6.J •	Libmanan, CS
1	THE FREELERSTR - SAN

REGI	CON VIII
1.	Tanauan SCHI Tanauan, Leyte
2.	Kauswogan Blis
	Palo, Leyte
З.	Julita BHS
	Julita, Leyte
4.	Albuera NHS
5.	Albuera, Leyte
	Carigara MHS
6.	Carigara, Leyte
0.	Granja Kalinawan
7.	BHS, Jaro, Leyte Balocawehay BHS
••	Abuyog, Leyte
8.	Cabacungan BIIS
•••	Dulag, Leyte
9.	Tunga BIIS
	Tunga, Leyte
10.	Margen BHS
	Merida, Leyte
11.	Burauen BHS
	Burauen, Leyte
12.	Sta. Fe BHS
	Sta. Fe, Leyte
13.	Mahaplag BHS
	Sta. Fe, Leyte Mahaplag BHS Mahaplag, Leyte
14.	Lucsoon DHS
	Naval, Biliran
15.	Tabon-Tabon BHS
	Tabon-tabon, L.
16.	Patoc BHS
4 ***	Dagami, Leyte
17.	Sta. Mesa BHS
10	Tanauan, Leyte
18.	Tabango VIIS
1.0	Tabango, Leyte
19.	Bunga BHS Bawbaw Lawto
20.	Baybay, Leyte Matlang BHS Isabel, Leyte
20.	Teahal Lavta
21.	San Miguel BHS
	San Mig., Leyte
22.	Minuhang BHS
	Barugo, Leyte
23.	Sta. Rosa BHS
	Barugo, Leyte
24.	Javier BHS
	Javier, Leyte
25.,	Wright VIIS
	Wright Samar
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1.	

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26.	Aqdangan BIIS
	Dana de
27.	Sta. Justina BNS
	Buhi, CS Palsong BHS
28.	Palsong BHS
0.0	Bula, CS
29.	Sto Tomas BHS Camaligan, CS
30.	San Isidro DUS
301	Pampiona; CS
31.	San Fernando BIIS
	San Fernando, CS
32.	Hobo BHS
	Minalaba, CS
33.	La Purisima DHS
34.	Nabua, CC Tamban BNS
• 1 €.	Tinambac, CS
35.	Tinambac CS
	Tinambac, CS
36.	Bula NUS
	Bula, CS
37.	Milaor BHS
38.	Milaor, CS
30.	Nabua MIS Nabua, CS
39.	San Francisco BIIS
	Bulan, Corsogon
40.	San Isidro BNS
	Bulan, Sor.
41.	Cassignean VIIS
42.	Casiguran, Sor.
· · · ·	Balan VIIS Bulan, Sor.
43.	Abuyog BIIS
	Sorsogon, Sor.
44.	Sorsogon NIIS
	Sorsogon, Sor.
45.	Macalaya BNS
46	Castilla, Sor.
46.	Bagacay BHS Gubat, Sør.
47.	Pilar Prod. Dev. HS
	Pilar, Sor.
48.	Prieto Diaz HS
	Prieto Diaz, Sor.
49.	Galtanosa NHS
50.	Irosin, Sor.
• U.L.	Rizal BHS Gubat, Sor.
51.	Masbate NCHS
	Masbate, Masbate
52.	Calabanga IIS
	Calabanga, CS
	_

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for

26.	Wright CHS
	Wright, Samar
27.	Basey NAS
	Basey, Samar
587	Taft NHS
· · · ·	Taft, Samar
29.	
	Dolores, Samar
30.	Lawaan SCIII
	Lawaan, Samar
31.	Balangiga NAS Balangiga, Samar
	Balangiga, Samar
32.	Giporlos NIG
	Giporlos, Camar
33.	
	Malabog, Samar
34.	Dobon BHS
35.	Bobon, Samar
33.	Salcedo CHS
36.	salcedo, Samar
.30.	Gen. MacArthur
37.	NAHS, Samar
	Samar NAUS Taft, Samar
38.	Dahon COR
	Bobon SOF Bobon, N. Samar
39.	Washington BHS
	Catarman, N.S.
40.	
	Catarman, N. S.
41.	
	San Isidro N.S.
42.	
	Calbayog City
43.	Trinidad DHS
1 A.	Trinidad, N.S.
44.	San Policarpio
	BHS, Calbayog
45.	Tarabucan BHS
	Tarabucan, N.S.
46.	Mondragon BHS
	Mondragon, N.S.
47.	Lavezares AIS
	Lavezares, N.S.
48.	Leyte NHS
49	Tacloban City
49.	Alang-alang US
50.	Aalang, Leyte
- 1, (J - 4	Catarman NHS
51.	Catarman N.S. Tolosa BHS
1.8 July 16	tolosa, Leyte
52.	J.Rebadulla MAC
	o. Samar
	1 - I
	$\sim$

53.	Cataingan NNS
54.	Cataingan, Cat.
54.	Pili NHS Fili, CS
55.	San Fernando IIS
334	San Fernando, Mas.
56.	Naga IIS
	Tiwi, Albay
57.	Cumadcad IIS
	Castilla, Sor.
58.	Cotmon IIS
59.	Camalig, Albay
:021	San Pascual Hs San Pascual Mag
60.	San Pascual, Mas. San Isidro HS
	Magarao, CS
61.	Bagamanoc RDHS
	Bagamanoc, Cat.
62.	San Jose IIS
	Bobon, CS
63.	Mobo BIIS Mobo Mar
64.	Mobo, Mas. Caramoran RDHS
0-1.4	Caramoran, Cat.
65.	Tubli HS
1	Caramoran, Cat.
66.	Don Gonzalgo MHS
	Ragay, CS
67.	Santos E. Conag IIS
68.	Esperanza, Mas. Daguit: NHS
	Labo, CS
69.	Banguerohan HS
	Legazpi City
70.	Donsol NCHS
71.	Donsol, Sor.
11.	Sto. Domingo MHS Sto. Domingo, Albay
72.	Anislag US
	Daraga, Albay
73.	San Miguel RDHS
<b>e</b> .	San Miguel, Cat.
74.	Baras RDIIS
75.	Baras, CAt. San Rafael HS
13.	Tigaon, CS
76.	
	Jovellar HS Jovellar, Albay
77.	Pamukid IIS
70	San Fernando, CS
78.	Supang Datag IIS Caramoran, Cat.
79.	Catanduanes NHS
	Virac, Cat.
	0
	Francis

 Mayorga BHS Mayorga, leyte
 Plaridel BHS

53. San Roque MHS

San Roque, Leyte 54. R.K.Kangleon MAS TI, Bontoc, S.L. 55. San Antonio RHS San Antonio,NS

- Baybay , Leyte 58. Sta. Margarita US
- Samar 50 Mamintal aug
- 59. Maripipi NVS Maripipi, Leyte
- Naval SOF Naval, Biliran
- 61. Bolusao BHS Lawaan
- 62. DVORAC Burauen, Leyte
- 63. Dulag NHS
- Dulag, Leyte 64. Villareal HS
- Villareal, Samar 65. Tambis BHS
- St. Bernard S.L. 66. San Ricardo MHS
- San Ricardo, S.L.
- 67. Mercedes MHS Mercedes
- 68. Tacloban CNHS Tacloban City
- 69. Almeria HS Almeria, Biliran
- 70. A.S. Melgar BHS Capoocan, Leyte
- 71. Tucdao HS Tucdao, Leyte
- 72. Rawis HS Hinabangan, Samar
- 73. Canipaan BHS
- So. Leyte 74. Valencia BHS
- Ormoc City 75. Quinapundan PHS Quinapundan, ES
- 76. Hernani PHS
- Ilernani, E. Samar 77. Sta. Cruz BHS
- Malitbog S.L.
- 78. San Isidro AIS San Isidro
- 79. Pagsulhugon BHS Pagsulhugon, Leyte

80.	Jose Panganiban HS
au.	J. Panganiban, CN
81.	Oas Polytech. School
0.2	Oas, Albay
82.	Bato RDHS
	Bato, Cat.
83.	San Francisco IIS
A	Malilipot, Albay
84.	Tulay na Lupa HS
85.	Labo, CN Del Gallego HS
0.2 •	Bel Gallego, CG
86.	Cabasan RS
	Bacacay, Albay
87.	Viga RDHS
	Viga, Cat.
88.	Viga, Cat. Sta. Lutgarda IIS
	Cabusao, CS
89.	San Juan IIS
~ ~	Libmanan, CS
90.	Abucay IIS
91.	Pilar, Sor. B. U. Pilot HS
J.L .	Rapu-Rapu, Albay
92.	Colacting HS
	Lapi, CS
93.	Carolina NHS
	Naga City
94.	Gigmoto RDUS Gigmoto, Cat.
	Gigmoto, Cat.
95.	Villahermoisa BS
96.	Ropu-Ropu, Albay Pili NG
203	Dacacay, Albay
97.	San Velipe HG
	Dasad, CG
98.	Talaonga NHS
	Sta. Magdalena, Sor.
99.	Larap IIS
	J. Panganibar, CN
100.	
101	Polangui, Albay
LUL	Gibgos HS Caramoan, CS
102.	Magnesia US
	Virac, Cat.
103.	Caditaan IIS
	Magallanes, Sor.
104.	Sagrada IIS
	Tinambac, CS
105.	Batan IIS
	Rapu-Rapu, Albay
	ef.
	An
	- •

80. Sta. Rita CHS Sta. Rita, Samar 81. Tarangnan NHS Tarangnan, Samar 82. Marabut BHS Marabut, Samar 83. Calingcaling BHS Barugo, Leyte 84. Mercedes BHS Silago. 85. Independencia BHS Talalora, Samar 86. Daugo BHS Maasin, S. Leyte 87. Danam HS Daram, Samar 88. San Joaquin BHS Palo, Leyte 89. Basey NIIS Basey, Samar 90. Bagacay BIIS Hinabangan, Samar 91. Liorente NHS Llorente ,E.S. 92. Arteche NAS Oras, E. Samar 93. Alugan SOC San Policarpio 94. Jipapad BHS Jipapad, E.S. 95. San Joaquin DHS Calbayog City 96. Laong NTS, No. Samar 97. Merida VS Leyte 98. Gala VS, N. Samar 99. La paz BUS Leyte 100. Biri BHS No. Samar 101. San Rafael BHS S. Leyter 102. Caridad BUS Leyte 103. Limasawa BHS so. Leyte 104. Sta. Paz Dus So. Leyte 105. libas DHS Leyte

### Annez II STANDARD LIST OF EQUIPMENT AND CONSUMABLES

The requested equipment and consumables for the six (6) subject areas are the following:

#### SCIENCE

- General Science
- Biology
- Chemistry
- Physics

#### TECHNOLOGY AND HOME MANAGEMENT

- Home Economics
- Industrial Arts

#### Subject Area: GENERAL SCIENCE

- 1. Platform Balance
- 2 Terrestrial Globe
- 3. Laboratory Apparatus Repair Kit
- 4. Water Analysis Outfit
- 5. Seismograph Model
- 6. Anenometer
- 7. Rain Gauge
- 8. Graduated Cylinder
- 9. Beaker
- 10. Laboratory Thermometer
- 11. Aneroid Barometer
- 12. Magnetizer
- 13. Stop Watch
- 14. Hand Lens
- 15. Pulley
- 16. Magnetic Compass

Subject Area: BIOLOGY

- Mortar and Pestle 1. 2. Pocket Magnifier 3. Petri Dish 4. Dissecting Set 5. Evaporating Dish 6. Mercurial Thermometer 7. Beaker Erlenmeyer Flask 8.
- 9. Test Tube
- 10. Glass Slide
- 11. Cover Glass
- 12. Triple Beam Balance 13. Microscope, [Compound

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- 14. Overlay Charts of Human Organ System
- 15. Detachable Organ Set
- 16. Lens Cleaning Set

#### Subject Area: CHEMISTRY

- 1. Balance, Triple Arm
- 2. Thermometer, General Laboratory
- 3. Graduated Cylinder
- 4. Beaker 250 ml, 500 ml
- 5. Test Tube
- 6. Arlenmeyer Flask
- 7. Iron Stand with Base
- 8. Electrolysis Apparatus
- 9. Calorimeter
- 10. pll Meter
- 11. Wire Gauge
- 12. Mortar and Pestle
- 13. Reagent Bottles
- 14. Evaporating Dish
- 15. Test Tube Holder
- 16. Fennel
- 17. Test Tube Rack
- 18. Iron Ring
- 19. Universal Clamp
- 20. Glass Rod
- 21. Cork Borer/Stopper
- 22. Cabinet for Chemicals

#### Subject Area: PHYSICS

1. Convex and Concave Mirror Demonstration Lens Set 2. з. Newton Scale 4. Thermometer, Mercurial 5. Spiral Spring 6. Meter Stick 7. Acceleration Recording Timer 8. Stop Watch 9. Magnetic Compass Set 10. Dynamic Cart 11. Electroscope 12. Equilateral Prism 13. U-Shape Magnets 14. Graduated Cylinder Set (10 ml, 100 ml) 15. Deaker Set 16. Pulley Transistor Radio Demo Set 17. 18. Multi Tester 19. Ripple Tank Apparatus 20. Kits of Logic Gates with Board 21. Sets of Tuning Forks ( 22. Resonance Apparatus

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- 23. Electric Motor/Generator
- 24. Free Fall Apparatus
- 25. Photometer
- 26. Set of Lenses
- 27. Light Source for Reflection and Refraction Experiment
- 28. Platform Balance with Sets of Weights

29. Scientific Calculator

Subject Area: HOME ECONOMICS

- 1. Sewing Machines (with Basic Sewing Tools and Sewing Kit) 2. Pressure Cooker
- 3. Mont Grinder
- 4. Can Sealer
- 5. Electric/Gas Range
- 6. Blender/Mixer
- 7. Casserole with Cover
- 8. Electric Iron
- 9. Set of Dinnerware
- 10. Set of Silverware
- 11. Glassware
- 12, Set of Frying Pan
- 13. Butcher's Knife
- 14. Cutting Knives
- 15. Mixing Bowl
- 16. Kettle
- 17. Baking Pan, Tube Pans, Loaf Pan Sheets
- 18. Set of Measuring Spoons
- 19. Rotary Eqq Beater
- 20. Set of Measuring Cups

Subject Area: INDUSTRIAL ARTS

1.	Stock and Dye
2.	Pipe Wrench
3.	Pipe Vise
4.	Hack Saw
5.	Pliers
	Screwdriver, Philipps
	Utility Tester
	Wire Stripper
	Hand Drill with Bits
	Cold Chisel Set
	Hammer
	a Cross-pen
. :	b. Claw
	c. Ball Pen Hammer
12.	Metal Rule
13,	Tape Rule
	Tin Snip
	Electric Welding
16.	Soldering Iron
	Machinist Vise

fre

- Metal Cutting Chisel 18.
- 19. Center Punch Set
- 20. Vise Grip Pliers
- Bench Grinder 21.
- 22. Hand Saw
- Jack Plane 23.
- 24. Hand Drake
- 25. Zigzag Rule (Folding Rule)
- Wood Chisel Set 26.
- 27. C-Clamp
- 28. Bar CLamp
- 29. Carpenter's Square (Combination Type)
- 30. Try-Square
- 31. Marking Gauge

#### CONSUMABLES:

Litmus Paper 1. Sulfur Powder 2. з. Bromothymol Dlue 4. Ethyl Alcohol 5. Filter Paper 6. Phenolphthalein 7. Benedict Solution Copper Sulfate 8. Carbon Tetrachloride 9. 10. Nitric Acid 11. Phenol 12. Iodine Solution 13. Alcohol Burner 14. Benzoic Acid 15. Naphthalene Balis 16. Iron fillings 17. Sodium Hydroxide (Pellets) 18. Magnesium Ribbon 19. Yeast 20. Calcium Oxide 21. Denatured Alcohol 22. Copper Dust 23. Calcium Carbide 24. Lead Nitrate (Crystals) 25. Potassium Iodide

In

26. Ferric Chloride 27. Potassium Ferricyanide 28. Potassium Chromate 29. Potassium Dichromate 30. Potassium Bromide 31. Boric Acid (Crystals) 32. Zinc Plate 33. Copper Plate 34. Calcium Chloride 35. Ammonium Chloride 36. Zinc Nitrate 37. Sulfuric Acid 38. Manganese Dioxide 39. Acetic Acid 40. Sodium Bicarbonate 41. Nichrome Wire 42. Copper Wire 43. Lead Pellets 44. Hydrogen Peroxide 45. Potassium Nitrate 46. Potassium Chloride 47. Sodium Sulfate 48. Ammonium Solution

- 49. Hydrochloric Acid 59, pH Paper

#### Annex III MEASURES TO BE UNDERTAKEN BY THE GOVERNMENT OF THE PHILIPPINES

- 1. To provide data and information necessary for the Project.
- To provide a science educational room for each 2. secondary for the Project and facilities school for the distribution of electricity and other incidental facilities, if necessary.
- 3. To ensure prompt unloading, tax exemptions, customs clearance at the port of disembarkation in the Philippines and to facilitate prompt internal transportation therein of the products purchased under the Grant Aid.
- To secure warehouses in the key stations where the 4. equipment items to be provided under the Grant Aid will be temporarily housed, pending final distribution to recipient schools.
- To distribute the equipment items delivered from the 5. warehouses in the key stations to the designated project sites.
- To exempt Japanese nationals engaged in the Project from 6. customs duties, internal taxes and other fiscal levies which may be imposed in the Philippines with respect to the supply of the products and services under the verified contracts.
- To accord Japanese nationals whose services may be 7. required in connection with the supply of the products. under the verified contract such facilities as may be necessary for their entry and stay in the Philippines for the performance of their work.
- To the necessary budget and personnel 8. ensure for the proper and effective implementation of the Project, including the operation and maintenance o£ equipment provided under the Grant Aid.
- To ensure that the secondary school teachers who will 9. make use of the equipment are given adequate training on its utilization and proper maintenance.
- 10. To provide the necessary permissions, licenses and other authorizations for cargying out the Project.

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- 11. To bear all commissions to the Japanese foreign exchange bank for the banking services based upon the "Danking Arrangement" such as the advising commission of the "Authorization to Pay" and payment commission.
- 12. To bear all the expenses other than those to be borne by the Grant Aid.

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1.5 List of References

· . . . . .

Title	Source	Year
1)Medium-Term Philippine Development Plan 1987-1992	GOP	1986
2)Primer on the Secondary Education Development Program (SEDP)	DECS	1988
		1000
3)Appraisal of the Secondary Education Development Sector Project in the Philippines	ADB	1988
4)Bid Documents-Furnishing and Delivery of General Science, Biology and Math (Instructional Materials, SEDP, LOAN NO.989 PHICSF)	EDPITAF	1989
5)The Concept of Secondary Education Development Program Indicative Proposal	EDPITAF, DECS	1989
6)DECS Order '# 88 as amended (Standard Science, Math, Practical Arts Equipment for Secondary Schools)	DECS	.1988
7)List of Minimum Standard Secondary Instructional Equipment with Unit Price,	EDPITAF	1989
8)Technical Specs of All Items in the 6 Subject Areas	EDPITAF	1990
9)List of Eqpt. Items Locally-manufactured.	EDPITAF	1989
0)List of Local Science Equipment Manufacturers (partial)	EDPITAF	1989
1)Educatinal Profile of Public Elemantary	DECS	1988/198

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Title	Source		Year
12)DECS Statistical Bulletin and Enrolment	DECS		1988/1989
Projections Until 1992			n a <u>n</u> Maria
13)Secondary Education Instructional	EDPITAF	n An An	1990
Equipment Project Assistance Request Summary Revised as of 16 February 1990	· · ·		
14)Management Set-up of JICA-PMU (unrevised),	EDPITAF		1990
15)Initial Canvases of Warehouses in Metro	EDPITAF	· ·	1989
Manila (with info. on cost per sq. m. and total floor area of each warehouse)			
16)List of IMC Warehouses (Regional,City Division,Provincial,Division)	EDPITAF		1989
17)General Profile of DECS-requested	EDPITAF		1990
Beneficiary Schools (i. e., non-JICA-TRSBP Recipients)			
18)School Building Actual For Requirement for Newly Nationalized Secondary Schools,	EDPITAF	· · · ·	SY1989-1990
		8	1000
19)Proposed Budget for Newly Nationalized Secondary Schools	DECS		1990
20)DECS Budget for FY 1988, 1989, 1990	DECS		1988,1989,1990
21)Information on Teacher Salaries	DECS	 	1989
22)Project Budget of the JICA-Typhoon Resistant Schools, Phase I (Special Budget)	EDPITAF		1989 1989

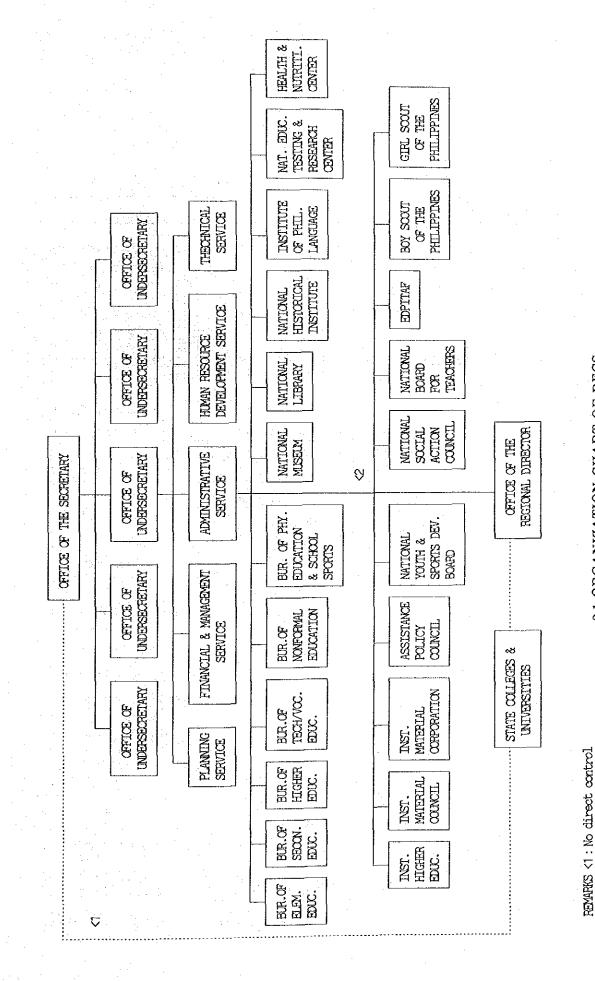
-76-

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Title	Source	Year
Textbooks for Secondary Schools		
-Science & Technology	National Book Store	1989
-Biology, Biology-Laboratory Manual	-ditto-	1989
-Chemistry, Chemistry-Laboratory Manual, Teacher Manual	Basic Media Systems Inc.	1989
-Physics	Philippine Book Company	1989
-Trainee's Activity Guide for Basic	NCTESD	1984
Technology		
-Home Economics Livelihood Education	REX Book Store	1988
Philippine Statistical Year Book	NEDA	1987
ASIA 1990 Year Book	Eastern Economic Review	1989
The Making of a Vibrant Economy-The	CRC	1989
Philippine Economy in 1989 and Beyond		
SAMAR, 1768-1898	Bruce Cruikshank	1985
Maps		
-Roadmap of the Philippines, 1/1,000,000	National Bookstore Inc.	1985
-Manila Street, 8th Edition	- ditto -	1989

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## **APPENDIX 2**

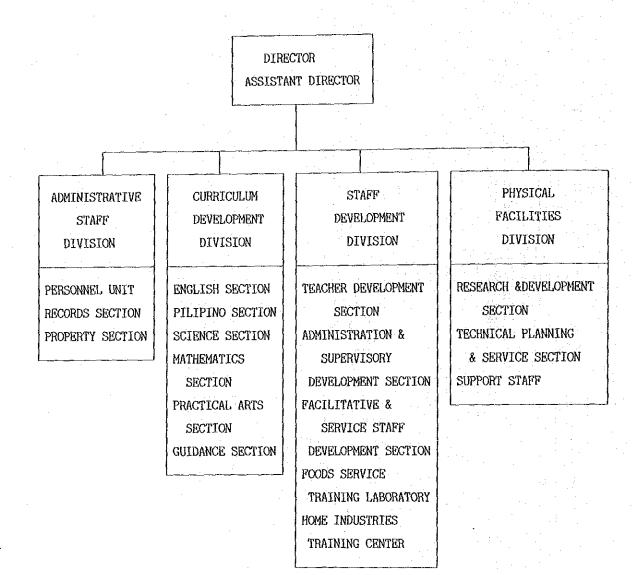


2.1 ORGANIZATION CHART OF DECS

<2: Attached agency

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#### 2.2 ORGANIZATION CHART OF BSE



		a je sta			(1/6)
		Standard Quantity	REGI	CON V (292 SCH	100LS)
	Items	Per School	Required Quantity	No.of School with Existin Items	
		مەربىرىتى بىلەر تەربىر بىلەر بىلەر تەللەر تەللەر تەللەر تەللەر تەربىر تەللەر تەربىر تەللەر تەللەر تەللەر تەللەر	<del>فن ري هم محمد محمد مي ري ري محم م</del>		ومفاكا بالجرد ومرجون ومكروهو ويواجز ويروي
ODME	DAT CATEMON				<b>`</b>
GENE	RAL SCIENCE				
1.	Platform Balance	4	1168	5	5.
2.	Terrestrial Globe	1	292	- 5	5
3.	Laboratory Apparatus Repair Kits	1	292	3	3
40	Water Analysis Outfit	1	292	0	0
5.	Seismograph Model	1	292	0	0
6.	Anemometer with Vane	1	292	4	6
7.	Rain Gauge	1	292	1	1
8.	Aneroid Barometer	1	292	0	0
9.	Magnetizer	4	1168	3	3
10.	Hand Lens (Biconvex)	4	1168	13	18
11.	Pulley Set	4	1168	9	16
12.	Magnetic Compass	4	1168	7	8
13.	Stop Watch	4	1168	7	7
14.	Tray, Wooden	4	1168	0	0
BIOL	OGY Pocket Magnifier	4	1168	0	0
	Dissecting Set	4	1168	7	11
3.	Microscope, Compound, wi				
4.	Lons Cleaning Set Human Anatomy Chart with	4	1168	12	17
	Overlays	1	292	3	4
CHEM	IISTRY				
	1.2. The second seco		292	2	3
1,	Triple Beam Balance	1	1168	2	5
2.	Iron Stand	4 4	1168	3 2	2
3.	Utility Clamp	4	1168	4	~ 4
4.	Iron Ring	4 1	292	2	4
5.	Electrolysis Apparatus PH Meter	1	292	õ	õ
6. 7.	Wire Gauge	4	1168	2	2
8.	Test Tube Holder	4	1168	10	10
9.		4	1168	9	10
10.	Cork Borer/Stopper Set	7 1	292	4	27
11.	Tripod	4	1168	Ō	0
12.	Test Tube Brush (Small)	4	1168	0	0
13.	Test Tube Brush (Large)	4	1168	0 ¹	0
		-			

# 2.3 (1) PRESENT STATE OF PROVISION OF INSTRUCTIONAL EQUIPMENT OF NATIONAL HIGH SCHOOLS IN REGION V $^{<1}$

(1/6)

Remarks <1: Referred to the survey result by EDPITAF, 1989

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		tandard	REGI	ON V (292 SCHO	OOLS)
		uantity er School	Required Quantity	No.of Schools with Existing Items	
14.	Spatula Set	0 1	ro1	0	0
	(Small, Medium, Large)	2 each	584	0	0
15.	Cabinet for Chemicals	1	292		0
16.	Wash Bottle	4	1168	0	0
17.	Periodic Table, Wall Chart		292	0	
18.	Atomic Molecular Model Kit		292	0	0
19.	Alcohol Burner	4	1168	0	0
20.	Pinch Cock	4	1168	0.	0
PHYS	SICS				
4	Convex and Concave Mirrors		1168	6	8
1.	Demonstration Lens Set	34 1	292	1	1
2.	· • • • • • • • • • • • • • • • • • • •	8.	2236	3	4
3.	Spring Balance, Newton		1	2	2
4.	Spiral Springs Set	4	1168		39
5.	Meter Stick	4	1168	13	
6.	Acceleration Recording Tim	ner 4	1168	4	6
7.	Dynamic Carts	4	1168	3	3
8.	Electroscope	1	292	.1	1
9.	Prism Set	4	1168	1	1
10.	Magnet (Bar)	4	1168	0	0
11.	Magnet (Ring)	4	1168	0	0
12.	Magnet (U-shape)	4	1168	8	14
13.	Magnet (Alcomax)	4	1168	0	0
14.	Transistor Radio Demo Set	1	292	1	2
15.	Multi Tester, Analog	4	1168	0	0
16.	Ripple Tank	2	584	0	0
17.	Logic Gates (Circuit Train		1168	0	Ō
18.	Set of Tuning Forks	2	584	2	3
19.	Resonance Apparatus	1	292	- Õ	ó
20.	Electric Motor/Generator	4	1168	Õ	Õ
21.	Free Fall Apparatus	4	292	0	0
22.	Photometer Set	1	292	0	· 0
		-	676	U	U U
23.	Incandescent Optical Light		000	n	<b>n</b>
~ '	Source for Optics Experime		292	2	2
24.	Scientific Calculator	8	2236	0	0
25.	Biconvex & Biconcave Lens	Seti	292	···· <b>0</b> · · · · · · · · · · · · · · · · · · ·	0
GLAS	SWARE			an ta Articlean Articlean	
1.	Mercurial Thermometer		·		
	(-10 to 110oC)	6	1752	7	11
2.	Mercurial Thermometer		·.	$(1, \dots, 2^{n-1}) = (1, \dots, 2^{n-1})$	
	(-10 to 360oC)	4	1168	0	0
3.	Petri Dish	6	1752	7	16

,			REGI	on V (292	SCHOOLS)
	Items	Quantity Per Schoo	1 Required Quantity	No.of Sch with Exis Items	ools Total ting Quantity
4.	Glass Slide	4	1168	14	131
5.	Cover Glass	4	1168	9	101
6.	Graduated Cylinder (Glass 10ml)	6	1752	6	. 9
7.	Graduated Cylinder (Glass 100ml)	6	1752	10	17
8.	Graduated Cylinder (Glass 500ml)	6	1752	0	0
9• 10•	Graduated Cylinder (Plastic 50ml) Graduated Cylinder	. 4	1168	0	0
10+	(Plastic 100ml)	4	1168	0	0
11.	Beaker (100ml)	6	1752	ŏ	Ő
12.	Beaker (250ml)	6	1752	8	24
13.	Beaker (500ml)	6	1752	6	14
14.	Beaker (1000ml)	6	1752	õ	0
15.	Test Tube (15mm,20mm)	2 doz		16	82
16.	Erlenmeyer Flask 250ml	6	1752	3	6
17.	Mortar and Pestle	4	1168	5	8
18.	Reagent Bottle (250ml)	4	1168	5	5
19.	Reagent Bottle (500ml)	4	1168	0	Ó
20	Reagent Bottle (1000ml)	4	1168	õ	Ō
21.	Funnel	$\vec{6}$	1752	10	12
22.	Stirring Rod	ő	1752	3	4
23.	Medicine Dropper	ě	1752	Ó	Ö
24.	Evaporating Dish	6	1752	4	15
25.	Pipette (Plastic 1ml)	1	292	Ō	Ő
26.	Pipette (Plastic 10ml)	1	292	0	0
CONS	UMABLES				
1.	Litmus Paper (Red, Blue)	4	1168	-	-
2.	Filter Paper(10 sheets/pa	ack)10	2920	~	
3.	PH Paper	4	1168	-	
4.	Zinc Plate Set	1	292	-	-
5.	Copper Plate	1	292	-	-
6.	Nichrome Wire	. 1	292		
7.	Copper Wire	1	292	<del></del>	~
CHEM	ICALS				
4	Tood Pollota	0.5kg	1 292	<b>-</b>	-
1.	Lead Pellets	0.25kg			_
2.	Sulfur Powder Bromothymol Blue	~ ~ ~ ⁻	1 292	-	
3.	DIOWOOUÂMOT DIG		~ ~ /~		الان وری اور و اختار الان الان و رو و و رو و رو و رو و این الان و الانتقار و و و و و و و و و و و و و

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REGION V (292 SCHOOLS) Standard Quantity No. of Schools Total Per School Required Items with Existing Quantity Quantity Items 0.5L 292 1 4. Ethanol 0.5L 292 1 5. Phenolphthalein 292 0.5L 1 6. Benedict Solution 1 292 0.5L Copper Sulfate (Crystals) 7. 292 8. Carbon Tetrachloride 0.25kg 1 292 Nitric Acid 0.5L 1 9. 0.5kg 1 292 Phenol 10. 0.5L 292 1 Iodine 11. 0.25kg 1 292 Benzoic Acid 12. 292 0.25kg 1 13. Naphthalene Balls 292 1 Iron Fillings 0.5kg 14. 292 Sodium Hydroxide (Pellets) 0.5kg 1 15. Magnesium Ribbon 292 16. 25g 1 0.5kg 1 292 17. Yeast 292 Calcium Oxide 0.5kg 1 18. 0.5kg 292 Denatured Alcohol 1 19. ÷ 0.25kg 1 292 Copper Dust 20, 0.25kg 1 292 21. Calcium Carbide 0.25kg 1 292 Lead Nitrate (Crystals) 22. 0.25kg 1 292 _ 23. Potassium Iodide 0.25kg 1 292 Ferric Chloride 24. 0.25kg 1 Potassium Ferricyanide 292 25. 0.25kg 1 292 Potassium Chromate 26. 0.25 kg 1292 ---27. Potassium Dichromate 0.25kg 1 292 28. Potassium Bromide 29. Boric Acid (Crystals) 0.25kg 1 292 30. Calcium Chloride 0.25kg 1 292 _ Ammonium Chloride 0.5kg 1 292 31. _ 0.5kg 292 32. Zinc Nitrate . 1 33. Sulfuric Acid 0.5L 1 292 0.25kg 1 292 34. Manganese Dioxide 35. Acetic Acid 0.5kg 1 292 36. Sodium Bicarbonate 0.25kg 1 292 0.25kg 1 292 . ..... 37. Hydrogen Peroxide 38. Potassium Nitrate 0.25kg 1 292 39. Potassium Chloride 0.25kg 1 292 Sodium Sulfate 0.25kg 1 292 40. 41. Ammonium Solution 0.5L 1 292 0.5L 292 42. Hydrochloric Acid 1 HOME ECONOMICS 1168 20 1. Sewing Machines 8 4 2. Pressure Cooker 2 584 1 1 3. Meat Grinder 1 292 2 2

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4.	Items I		Standard REGION V (292 S) Quantity			
<u> </u>	Items P	Per School	Required Quantity	No.of Schools with Existing Items		
A.5. B	Electric/Gas Range		,,			
	(with Gas Cylinder)	1	292	6	6	
5.	Blender	1	292	4	4	
6.	Mixer	1	292	4	4	
7.	Casserole Set	1	292	5	18	
8.	Electric Iron	1	292	2	2	
9.	Set of Dinnerware	1	292	10	23	
10.	Set of Silverware	1	292	11	21	
11.	Glassware Set	1	292	15	51	
12	Set of Frying Pan	1	292	7	12	
13.	Kitchen Knife Set	2	584	5	16	
14	Cutting Devices	1	292	14	22	
15.	Mixing Bowl Set	1	292	10	23	
16.	Kettle	1	292	13	26	
17.	Bakeware Set	2	584	7	24	
18		2	584	9	20	
19.	Set of Measuring Cups	2	584	18	18	
.,.						
	- - -					
INDU	STRIAL ARTS					
1.	Stock and Die Set	4	1168	0	0	
2	Pipe Wrench Set	4	1168	0	0	
3.	Pipe Vise	4	1168	1	2	
4.	Hack Saw	4	1168	7	14	
5	Pliers, Diagonal Cutting	4	1168	7	13	
6.	Screwdriver Set	4	1168	5	10	
7.	Utility Tester	4	1168	1	1	
8.	Wire Stripper and Cutter	4	1168	2	3	
9.	Hand Drill	4	1168	6	10	
10.	Cold Chisel Set	Å	1168	. 7	12	
11.	Hammer - Claw	4	1168	3	7	
12.	Hammer - Ball Pein	4	1168	12	23	
13.	Hammer - Cross Pein	4 4	1168	6	9	
14.	Rule, Steel	4	1168	6	7	
15	Tape Rule (10', 33')	4	1168	10	11	
16.	Tin Snip	4	1168	3	4	
17.	Soldering Gun	<del>4</del>	1168	2	2	
18.	Machinist Vise	4	1168	2	2	
19.	Vise Grip Pliers	4	1168	2	2	
20.	Bench Grinder	1	292	2	2	
21.	Hand Saw (Rip and Cross cu		1168	15	29	
22.	Hand Plane	4	1168	13	19	
f., f., a	(Jack & Smooth Plane)	· · ·			- /	
23.	Hand Brace	4	1168	3	5	
24.	Zigzag Rule (Folding Rule)	•	1168	8	12	
25.	Wood Chisel Set	4	1168	10	20	

		Standard	REGION V (292 SCHOOLS)		
	Items	Quantity Per School	Required Quantity	No.of Schools 1 with Existing Qu Items	'otal lantity
26. 27. 28. 29. 30. 31. 32.	Center Punch Set C-Clamp Bar Clamp Carpenter's Square (Combination Type) Try-Square Electric Arc Welder Marking Gauge	4 4 4 4 1 4	1168 1168 1168 1168 1168 292 1168	1 5 1 3 7 0 7	1 9 1 4 16 0 8
		na yaya yafatan yikazili kutan dalama kutan k			
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### 2.3 (2) PRESENT STATE OF PROVISION OF INSTRUCTIONAL EQUIPMENT OF NATIONAL HIGH SCHOOLS IN REGION VIII <1

(1/6)

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		Standard Quantity	REGI	ON VIII (280 S	CHOOLS)
	Items	Per School	Required Quantity		
				10000	
		, , , , , , , , , , , , , , , , , , ,	an Arainn	*****	
GENE	RAL SCIENCE		<u>1</u>		 
1.	Platform Balance	. 4	1120	18	18
2.	Terrestrial Globe	1	280	16	25
3.	Laboratory Apparatus Repair Kits	<b>1</b>	280	0	0
4.	Water Analysis Outfit	1	280	2	3 -
5.	Seismograph Model	1	280	0	0
6.	Anemometer with Vane	· 1	280	0	0
7.	Rain Gauge	1	280	3	3
8.	Aneroid Barometer	1	280	4	5
.9.	Magnetizer	4	1120	8	25
10.	Hand Lens (Biconvex)	4	1120	35	113
11.	Pulley Set	4	1120	25	81
12.	Magnetic Compass	4	1120	13	13
13.	Stop Watch	4	1120	10	18
14.	Tray, Wooden	4	1120	0	0
BIOL	10GY				
1.	Pocket Magnifier	4	1120	0	0
2.	Dissecting Set	4	1120	11	50
3.	Microscope, Compound, wi Lens Cleaning Set	th 4	1120	32	70
4.	Human Anatomy Chart with Overlays	1	280	17	76
÷.					
CHEM	ISTRY			·	
1.	Triple Beam Balance	1	280	8	68
	Iron Stand	4	1120	29	83
3.	Utility Clamp	4	1120	13	67
4.	Iron Ring	4	1120	25	107
5.	Electrolysis Apparatus	1	280	4	6
6.	PH Meter	1	280	1	1
7.		. 4	1120	30	214
8.	Test Tube Holder	4	1120	42	173
9.	Test Tube Rack	4	1120	33	86
10.	Cork Borer/Stopper Set	1	280	19	140
	Tripod	4	1120	0	0
· · · ·					
11.	Test Tube Brush (Small)	4	1120	0	0 0

Remarks <1: Referred to the survey result by EDPITAF, 1989

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	Items	Per School	Required Quantity	No.of Schools with Existing Items	Total Quanti
14.	Spatula Set	ning mangkalang di sikan kangkalan mangkalan mangkalan kangkalan kangkalan kangkalan kangkalan kangkalan kangka			
	(Small, Medium, Large)	2 each	560	0	0
15.	Cabinet for Chemicals	1	280	0	0
16.	Wash Bottle	4	1120	0	0
17.	Periodic Table, Wall Cha		280	0	0
18.	Atomic Molecular Model K		280	0	0
19.	Alcohol Burner	4	1120	0	0
20.	Pinch Cock	4	1120	0	0
PHYS	TCS				an ta Tanan ar
1 11 - 20	·				
1.	Convex and Concave Mirro	rs 4	1120	13	31
2.	Demonstration Lens Set	1	280	3	11
3.	Spring Balance, Newton	8	2240	11	31
4.	Spiral Springs Set	4	1120	22	79
5.	Meter Stick	4	1120	38	57
6.	Acceleration Recording T	imer 4	1120	9	19
7.	Dynamic Carts	4	1120	14	48
8.	Electroscope	1	280	5	. 5
9.	Prism Set	4	1120	7	9
10.	Magnet (Bar)	4	1120	0	0
11.	Magnet (Ring)	4	1120	0	0
12.	Magnet (U-shape)	4	1120	20	29
13.	Magnet (Alcomax)	4	1120	0	0
14.	Transistor Radio Demo Se		280	1	4
15.	Multi Tester, Analog	4	1120	2	2
16.	Ripple Tank	2	560	3 2 2 2	11
17.	Logic Gates (Circuit Tra	iner J4	1120	2	<u>3</u>
18.	Set of Tuning Forks	2	560	19	20
19.	Resonance Apparatus		280	3	13
20. 21.	Electric Motor/Generator Free Fall Apparatus	44 1	1120 280	4	6 3
22.	Photometer Set	1 1	280	3 0	· · · · ·
23.	Incandescent Optical Lig	ι ht.	200	v	
~J\$	Source for Optics Experi		280	2	2
24.	Scientific Calculator		2240	õ	0
25.	Biconvex & Biconcave Len	-	280	7	39
~∫∙	Producer a production pell	, NG <b>V</b> I	200	1	
GLAS	SWARE		•		
1.	Mercurial Thermometer		1 A.		1. 19.
. •	(-10 to 110oC)	6	1680	33	97
2.	Mercurial Thermometer	~ .	,	<b>.</b>	
	(-10 to 360oC)	4	1120		
3.	Petri Dish	6	1680	17	78

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		Standard Quantity	REGI	ON VIII (280 S	CHOOLS)
	Items	Per School	Required Quantity		
4.	Glass Slide	4	1120	31	390
5.	Cover Glass	4	1120	18	110
6.	Graduated Cylinder (Glass 10ml)	6	1680	20	26
7.	Graduated Cylinder				
_	(Glass 100ml)	6	1680	39	117
8.	Graduated Cylinder		44.00		
	(Glass 500ml)	6	1680	0	0
9.	Graduated Cylinder	,	4400	0	<u>,</u>
40	(Plastic 50ml)	4	1120	0	0
10.	Graduated Cylinder	,	1100	0	<u>^</u>
	(Plastic 100ml)	4	1120	0	-0
11.	Beaker (100ml)	6	1680	0	0
12.	Beaker (250ml)	6	1680	41	61
13.	Beaker (500ml)	6	1680	0	0
14.	Beaker (1000ml)	6	1680	0	0
	Test Tube (15mm,20mm)	2 dozen		36	689
16.	Erlenmeyer Flask 250ml	6	1680	28	106
17.	Mortar and Pestle	4	1120	24	43
	Reagent Bottle (250ml)	4	1120	17	88
19.	Reagent Bottle (500ml)	4	1120	0	0
20.	Reagent Bottle (1000ml)	4	1120	0	0
21.	Funnel	6	1680	10	12
22.	Stirring Rod	6	1680	3	4
23.	Medicine Dropper	6	1680	0	0
24.	Evaporating Dish	6	1680	4	15
25.	Pipette (Plastic 1ml)	1	280	0	0
26.	Pipette (Plastic 10ml)	1	280	0	0
+	•				
CONS	UMABLES				
1.	Litmus Paper (Red, Blue)	4	1120	-	
2.	Filter Paper (10 sheets/p		2800	-	
3.	PH Paper	4	1120	_	
2. 4.	Zinc Plate Set	4	280		
4. 5.	Copper Plate	1	280	_	_
6.	Nichrome Wire	1	280	54	_
	Copper Wire	1	280	<b>-</b>	-
1.	oobhar wiia	•			
CHEM	ICALS				
1.	Lead Pellets	0.5kg 1	280	Sade .	-
	Sulfur Powder	0.25 kg 1	280	<b>1</b> 2 <b>1</b>	-
2. 3.	Sulfur Powder Bromothymol Blue	0.5L 1	280		-
	DLOWOPHAMOT DING	ר נול איי	~~~~		

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<u>مورد مرتبع مرتبع مرتبع مرتبع مرتبع م</u> رتبع		Standard Quantity	REGI	ON VIII (280 S	CHOOLS)
		Per School	Required Quantity	No.of Schools with Existing Items	
4.	Ethanol	0.5L 1	280	97.79 	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
5.	Phenolphthalein	0.5L 1	280	Basis (	
6.	Benedict Solution	0.5L 1	280		tera -
7 <b>.</b>	Copper Sulfate (Crystals)	0.5L 1	280	.  –	-
8.	Carbon Tetrachloride	0.25kg 1	280	. <u>-</u>	· •= .
.9.	Nitric Acid	0.5L 1	280	•en .	· _
10.	Phonol	0.5kg 1	280		e di 🔒 🔒
11.	Iodine	0.5L 1	280		
12.	Benzoic Acid	0.25kg 1	280		
13.	Naphthalene Balls	0.25 kg 1	280	· · · ·	-
14.	Iron Fillings	0.5kg 1	280	<u></u>	
15.	Sodium Hydroxide (Pellets		280		
16.	Magnesium Ribbon	25g 1	280		<b>—</b>
17.	Yeast	0.5 kg 1	280	<b>_</b>	
18.	Calcium Oxide	0.5 kg 1	280		. <u></u>
	Denatured Alcohol	0.5 kg 1	280	_	
19.		0.25 kg 1	280		
20.	Copper Dust Calcium Carbide	0.25 kg 1	280	· · · · ·	
21.			280		
22.	Lead Nitrate (Crystals)	0.25kg 1	280	- · ·	
23.	Potassium Iodide	0.25kg 1	280	••••	<b>.</b>
24.	Ferric Chloride	0.25kg 1		4200 . ·	
25.	Potassium Ferricyanide	0.25kg 1	280	<b>*</b>	•••
26.	Potassium Chromate	0.25kg 1	280	<b>.</b> .	- <b>- - -</b>
27.	Potassium Dichromate	0.25kg 1	280	<del></del>	-
28.	Potassium Bromide	0.25kg 1	280		-
29.	Boric Acid (Crystals)	0.25kg 1	280	· · · · ·	••••
30.	Calcium Chloride	0.25kg 1	280	<b></b>	
31.	Ammonium Chloride	0.5kg 1	280	<del></del> 2	<b>.</b> .
32.	Zinc Nitrate	0.5kg 1	280	**	
33.	Sulfuric Acid	0.5L 1	280		-
34.	Manganese Dioxide	0.25kg 1	280	**	
35.	Acetic Acid	0.5kg 1	280		· <b></b>
36.	Sodium Bicarbonate	0.25kg 1	280		-
37.	Hydrogen Peroxide	0.25kg 1	280	-	
38.	Potassium Nitrate	0.25kg 1	280	<b></b>	
39.	Potassium Chloride	0.25kg 1	280	<b></b>	•••
40.	Sodium Sulfate	0.25kg 1	280		tre
41.	Ammonium Solution	0.5L 1	280	<del>_</del>	· · · · · · · · · · · · · · · · · · ·
42.	Hydrochloric Acid	0.5L 1	280	<b>.</b>	-
HOME	ECONOMICS				1. 1.
1.	Sewing Machines	4	1120	12	32
2.	Pressure Cooker	2	560	8	11
3.	Meat Grinder	1	280	3	3

		Standard Quantity	REGI	ON VIII (280 SC	CHOOLS)
		Per School	Required Quantity	No.of Schools with Existing Items	
4.	Electric/Gas Range				·
	(with Gas Cylinder)	1	280	12	12
5.	Blender	1	280	3	6
6.	Mixer	1	280	3	6
7.	Casserole Set	1	280	17	54
8.	Electric Iron	1	280	4	25
9.	Set of Dinnerware	1	280	23	65
10.	Set of Silverware	1	280	21	70
.11	Glassware Set	1	280	25	55
12.	Set of Frying Pan	1	280	17	17
13.	Kitchen Knife Set	2	560	10	33
14.	Cutting Devices	1	280	23	66
15.	Mixing Bowl Set	1	280	21	63
16.	Kettle	1	280	26	72
17.	Bakeware Set	2	560	16	161
18.	Set of Measuring Spoons	2	560	22	45
19+	Set of Measuring Cups	2	560	19	22
INDU	STRIAL ARTS				
1.	Stock and Die Set	4	1120	0	0
2.	Pipe Wrench Set	4	1120	0	0
3.	Pipe Vise	4	1120	1	2
4.	Hack Saw	4	1120	7	14
5.	Pliers, Diagonal Cutting	4	1120	7	13
	Screwdriver Set	4	1120	5	10
7.	Utility Tester	4	1120	1	1
8.	Wire Stripper and Cutter	4	1120	2	3
9.	Hand Drill	4	1120	6	10
10.	Cold Chisel Set	4	1120	7	12
11.	Hammer - Claw	4	1120	3	7
12.	Hammer - Ball Pein	4	1120	12	23
13	Hammer - Cross Pein	4	1120	6	9
14•	Rule, Steel	4	1120	6	7
15.	Tape Rule (10', 33')	4	1120	10	11
16.	Tin Snip	<del>4</del>	1120	3	4
17.	Soldering Gun	4	1120	2	2
18.	Machinist Vise	4	1120	2	2
	Vise Grip Pliers	4	1120	2	2 2
20.	Bench Grinder	1	280	2	2
21.	Hand Saw (Rip and Cross cu	it) 4	1120	15	29
22.	Hand Plane	4	1120	13	19
£.1~ \$	(Jack & Smooth Plane)	Ŧ		-	
23.	Hand Brace	4	1120	3	5
24 •	Zigzag Rule (Folding Rule		1120	8	12
25	Wood Chisel Set	4	1120	10	20
~/*	HOUL VILLOUE WYY	-			

ادتاح وموسعاتهم	ىدىرىكىسىدىرى - <del>تۇپ بۇر بۇر بىرى بىرى بۇر تۇر بىرى بۇر</del> تۇپ بىرى بىرى بىرى بىرى بىرى بىرى بىرى بىر	Standard Quantity	REGION VIII (280 SCHOOLS)								
	Items	Per School		No.of Schools Total with Existing Quantity Items							
26.	Center Punch Set		1120	1 1							
27.	C-Clamp	4	1120	5 9							
28.	Bar Clamp	 	1120	1 1							
29.	Carpenter's Square (Combination Type)	4	1120	<b>3</b> . <b>4</b>							
30.	Try-Square	4	1120	7							
31.	Electric Arc Welder	1	280	s i <b>O</b> -estes i su da last <b>O</b>							
32.	Marking Gauge	4	1120	<b>7</b> . The second se							

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# 2.4 (1) LIST OF REQUESTED SCHOOLS IN REGION V AND THEIR OUTLINE

(1/3)

	en en	CLIMENT	(SY 1989	) - 1990)		TOT NO	1	CEED SUDGET	FACI	LITY AV	ILABLE	UTE	
SCHOOL NAME/ADDRESS		1				OF TE-		OPERATION/			1	AVAD	
	TOTAL	IST YR	2ND YR	3RD YR	inh ar	ACHERS	(P1,000)	MAINTEN(%)	CR.	SL	IA/HE	WATE	н т
1 Marcial Ran. Man. Sch., Quincbatan, Albay	2,958	972	762	673	561	114	6,147		60	3	2	· +	
2 San Lorenzo BHS, Tabaco, Albay	718	222	225	150	121	12	741	5.8	10	1	1	+	ł
3 Polangui Gen. Comp. HS Polangui, Albay	3,721	1,043	1,024	891	763	133	8,535	-	78	- 2	2	+	
4 Masarakag BHS, Quinobatan, Albay	363	-	-	-		. 13	354	8.1	4	· 1	0		1
5 Libon Agro-Indl HS, Libon, Albay	51	·		·		14	335	21.5	. 9	. 1	3	+	
6 Saban HS, Casi, Albay	<u>_</u> щ5	- ¹	·	· · ·		13	841	3.4	8	1	0	-	ł
7 Malipot BHS, Quinobatan, Albay	311	-	-	-	`	9	563	-5.1	- 6	. 1	0	÷+	
8 Matacon HS, Polangui, Albay	Ψi5	149	149	111	66	6	782	3.7	6	0	0	+	
9 San Antonio HS, Tabaco, Albay	492	178	136	99	79	13	787	3.7	14	1	1	+	ł
10 Cavasi HS, Ligao, Albay	21	122	91	70	ЦЦ	6	289	5.0	5	1	1	· +	
11 Bariw HS, Camalig, Albay	495	· _		_	:	8	512	8.4	7	. 1.	0	• +	
12 Paulba HS, Ligao, Albay	615	219	160	131	105	9	721	4.0	5	1	0	·	l
13 Malabog HS, Daraga, Albay	1,001	311	316	201	173	26	1,464	5.0	15	-2	· 1	+	ļ
14 Pagasa BIS, Legaspi, Albay	1,988	767	564	360	291	58	5,153		-23	2	1	+:	1
15 Tabaco NS, Tabaco, Albay	3,942	1,265	1,024	890	763	133	7,618	-	· 80	1	1	+	
16 Batobalani BHS, Paracale, Camarines Norte	455	1 1		-		12	663	4.4	11	1	1	+	
17 Matacong Bils, Imelda, Camarines Norte	295	1.		·	_	8	521	5.2	5	1	1	+	ł
18 Rizal & S, Sta. Elena, Canarines Norte	704	1	l · _	·	·	14	1,472	4.2	10	1	1	+	ł
19 Basud RIS, Basud, Canarines Norte	837	281	218	180	158	19	870	5.0	15	1	0	+	
20 Vinzons IS, Vinzons, Canarines Norte	1,169	365	350	275	179	37	1,609	5.1	- 21	2	3	÷	
21 Impig NG, Impig, Comprises Sur	968	_	268	203	151	30	4,159		15	- 1	1	÷	
22 Salvacion BHS, Bato, Canarines Sur	460	1	1	103	56	8	440	5.7	8	1	1	·	
	780			135	100	12	1,119	6.8	8	1	1	· +	
23 Salacion BHS, Tigaon, Canarines Sur	529	91	84	178	166	13	1,161	4.3	8	2	0	+	
24 Sen Ranon BHS, Lagonoy, Camarines Sur	716	256	203	145	112	12	754	6.7	12	1	1	+	
25 San Isidro BHS, Libraran, Camerines Sur	367	117	112	80	58	_	442	5.7	7	1	1	-	ļ
26 Agdangan 1845, 18aao, Camarines Sur 27 Sta. Justina 1845, Buhi, Camarines Sur	360			_	_	9	365	5.5	· 5	2	1	-	
	496	165	135	108	88	10	824	5.2	8	1	1	÷	
28 Palsong BHS, Bula, Canarines Sur	358	1	101	74	56	13	754	6.7	12	2	0	+	
29 Sto. Tomas BHS, Camaligan, Camarines Sur	323	100	88	ъ	60	12			14	1	0	+	
30 San Isidro BHS, Pamplona, Camarines Sur	541	176	157	113	95 95	9	629	8.0	10	1	0	-	
31 San Fernando BHS, San Fernando, Cam. Sur	389	151	111	66	61	8	673	3.0	7	- 1	1	-	ļ
32 Hobo BHS, Minalaba, Camarines Sur	560	1	1		105	12	1,160	4.4	1	1	1	. +	
33 La Parisina BKS, Mabua, Camarines Sur	381	122	142	80	37		668	3.0	-	1	1	+	
34 Tembern BHS, BHS, Tinambac, Cam. Sur	1,015		320	215	140	21	1,340	5.7		1	0	+	
35 Tinanhac BHS, Tinanhac, Camarines Sur	1,164	666	219		128	20	3,075		15	1	1	+	
36 Bula NS, Bula, Catarines Sur	684	231	169	156	128	11			11	1	1	+	Ì
37 Mileor BKS, Mileor, Camarines Sur	3,758	1	980	955	853	104	8,308		80	2	1	+	
38 Natura NHS, Natura, Catarines Sur	3,120					7	1,108	1.5	4	1	0	+	
39 San Francisco BHS, Bulan, Sorsogon	223	க	-52	46	40	6	726	2.3	6	- 1	0	÷	
40 Sen Isidro BHS, Dulen, Sorsogon	1,063		288	- 296	155	· 44	3,673		28	1	1	+	1
UI Casiguran VIS, Casiguran, Sorsogon	2,019	1 1 1	549	419	384	101	6,410		29	1	17	+	1
42 Bulan VIS, Bulan, Sorsogon	2,019	5	49	27	33	- 6			5	1	0	-	
43 Abuyog BHS, Sorsogon		1,319	1,129	1,177	9774	112	10,469		108	2	i –	+	
44 Sorsogon NHS, Sorsogon	4,599	1,319	70	43	· 历	6	263	6.3	6	1	-	+	
45 Macalaya BHS, Castilla, Sorsogon	285 266					10	427	5.8	8	1	0	+	
46 Bagacay BHS, Gubat, Sonsogon	L (00)		1		123	1 V	580	11.3		1	_	+	

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SCHOL, NME/ADDRESS 8 Prieto Diaz HS, Prieto Diaz, Sorsogon 19 Gallancea MS, Irosin, Sorsogon 30 Rizal BKS, Qubat, Sorsogon 31 Mesbate NDKS, Hasbate, Mashate 32 Galabanga HS, Calatanga, Canarines Sur 33 Gataingan MS, Cataingan, Mashate 34 Pili MS, Pili, Canarines Sur 35 San Fernando HS, San Fernando, Mashate 36 Naga HS, Tivi, Albay 37 Oundoad HS, Castilla, Sorsogon 38 Gotaon HS, Canalig, Albay 39 San Pascual HS, San Pascual, Mashate 30 San Isidro HS, Magarao, Canarines Sur 31 Baganence RHS, Baganence, Catanduanes 32 San Jose HS, Boton, Canarines Sur 33 Moto SHS, Moto, Mashate	TOTAL 703 2,240 455 3,692 1,781 1,453 1,453 1,453 880 824 748 730 590 499		2ND YR 	380 YR 	411H YR 	22 80 9 132	TOTAL SUDG (P1,000) 587  395 10,565	OPERATION/ MAIMEN(\$) 8.4  6.2 7.8	CR 9 36 5 62	SL 1	IA/HE 1 1 0	AVATL WATE + + +	
<ul> <li>19 Gallancea NIS, Irosin, Sorsogon</li> <li>30 Rizal BIS, Qubat, Sorsogon</li> <li>31 Mashate NIS, Mashate, Mashate</li> <li>32 Galahanga HS, Calahanga, Canarines Sur</li> <li>33 Gataingan NIS, Cataingan, Mashate</li> <li>34 Pili NIS, Pili, Canarines Sur</li> <li>35 San Fernando HS, San Fernando, Mashate</li> <li>36 Naga HS, Tiwi, Albay</li> <li>37 Omadead HS, Castilla, Sorsogon</li> <li>38 Gotaon HS, Castilla, Sorsogon</li> <li>38 Gotaon HS, Castilla, Sorsogon</li> <li>39 San Pascual HS, San Pascual, Mashate</li> <li>30 San Isidro HS, Magarao, Canarines Sur</li> <li>31 Baganance RHS, Bagananco, Catandianes</li> <li>32 San Jose HS, Boton, Canarines Sur</li> </ul>	2,240 455 3,692 1,781 1,453 1,453 880 824 748 730 590	1,172 579 465 413 252 289 262	920 510 454 391 232	 880 380 281	528 — 720 312	.80 9 132	 395	 6.2	36 5	1	1	+	
<ul> <li>19 Gallancea NIS, Irosin, Sorsogon</li> <li>30 Rizal BIS, Qubat, Sorsogon</li> <li>31 Mashate NIS, Mashate, Mashate</li> <li>32 Galahanga HS, Calahanga, Canarines Sur</li> <li>33 Gataingan NIS, Cataingan, Mashate</li> <li>34 Pili NIS, Pili, Canarines Sur</li> <li>35 San Fernando HS, San Fernando, Mashate</li> <li>36 Naga HS, Tiwi, Albay</li> <li>37 Omadead HS, Castilla, Sorsogon</li> <li>38 Gotaon HS, Castilla, Sorsogon</li> <li>38 Gotaon HS, Castilla, Sorsogon</li> <li>39 San Pascual HS, San Pascual, Mashate</li> <li>30 San Isidro HS, Magarao, Canarines Sur</li> <li>31 Baganance RHS, Bagananco, Catandianes</li> <li>32 San Jose HS, Boton, Canarines Sur</li> </ul>	2,240 455 3,692 1,781 1,453 1,453 880 824 748 730 590	1,172 579 465 413 252 289 262	920 510 454 391 232	 880 380 281	528 — 720 312	.80 9 132	 395	 6.2	36 5	1	1	+	]:
<ul> <li>30 Rizal BKS, Qubat, Scracgon</li> <li>31 Meshate NUSS, Masbate, Masbate</li> <li>32 Calabanga HS, Calabanga, Canarines Sur</li> <li>33 Cataingan NKS, Cataingan, Masbate</li> <li>34 Pili NKS, Pili, Canarines Sur</li> <li>35 San Fernando HS, San Fernando, Masbate</li> <li>36 Naga HS, Tiwi, Albay</li> <li>37 Ouradead HS, Castilla, Sorsegon</li> <li>38 Ootaon HS, Castilla, Sorsegon</li> <li>38 Ootaon HS, Caralig, Albay</li> <li>39 San Pascual HS, San Pascual, Masbate</li> <li>30 San Lsidro HS, Magarao, Canarines Sur</li> <li>31 Baganance RHS, Bagananco, Catandianes</li> <li>32 San Acee HS, Bolon, Canarines Sur</li> </ul>	455 3,692 1,781 1,453 1,453 883 884 748 730 730 730 730 730 730 730 730 730 730	1,172 579 465 413 252 289 262	920 510 454 391 232	 880 380 281	 720 312	9 132			5	1	) )	· · · .	<u>۱</u>
<ul> <li>Masbate NGS, Masbate, Masbate</li> <li>Calabanga HS, Calabanga, Canarines Sur</li> <li>Cataingan NHS, Cataingan, Masbate</li> <li>Pili NHS, Pili, Canarines Sur</li> <li>San Fernando HS, San Fernando, Masbate</li> <li>Naga HS, Tivi, Albay</li> <li>Ounadcad HS, Castilla, Sorsogon</li> <li>Cotaron HS, Canalig, Albay</li> <li>San Pascual HS, San Pascual, Masbate</li> <li>San Pascual HS, San Pascual, Masbate</li> <li>San Raganence RHS, Baganenco, Catanduanes</li> <li>San Acee HS, Bobon, Camarines Sur</li> </ul>	3,692 1,781 1,453 1,453 880 824 748 730 590	1,172 579 465 413 252 289 262	920 510 454 391 232	880 380 281	312	132			1.1		Ň	•	1
2 Calabanga KS, Calabanga, Canarines Sur 3 Cataingan NKS, Cataingan, Masbate 34 Pili NKS, Pili, Canarines Sur 35 San Fernando KS, San Fernando, Masbate 36 Naga KS, Tivi, Albay 37 Ounadoad KS, Castilla, Sonsogon 38 Cotaon KS, Canalig, Albay 39 San Pascual KS, San Pascual, Masbate 30 San Isidro KS, Magarao, Canarines Sur 31 Baganence RSKS, Bagamence, Catanduanes 32 San Jose KS, Bobon, Canarines Sur	1,781 1,453 1,453 880 824 748 748 730 590	579 465 413 252 289 262	510 454 391 232	380 281	312		10,000		- UZ,	3	7	4	i
33 Cataingan NHS, Cataingan, Masbate 54 Pili NHS, Pili, Canarines Sur 55 San Fernando HS, San Fernando, Masbate 56 Naga HS, Tivi, Albay 57 Ounadead HS, Castilla, Sensegen 58 Cotaron HS, Canalig, Albay 59 San Pascual HS, San Pascual, Masbate 50 San Isidro HS, Magarao, Canarines Sur 51 Baganance RSHS, Baganance, Catanduanes 52 San Jese HS, Bolon, Canarines Sur	1,453 1,453 880 824 748 730 590	465 413 252 289 269	454 391 232	281		E0	2 220	7.0	7	2	t t	+	
54 Pili N.S. Pili, Canarines Sur 55 San Fernando HS, San Fernando, Masbate 56 Naga HS, Tiwi, Albay 57 Ounadcad HS, Castilla, Scrsogon 38 Cotanon HS, Canalig, Albay 39 San Pascual HS, San Pascual, Masbate 30 San Isidro HS, Magarao, Canarines Sur 51 Baganence RSHS, Bagamence, Catanduanes 52 San Jose HS, Bobon, Canarines Sur	1,453 880 824 748 730 590	413 252 289 262	391 232			50 20	2,329 2,988	7.9	3	2	4		Į
55 San Fernando HS, San Fernando, Masbate 56 Naga HS, Tivi, Albay 57 Omadcad HS, Castilla, Sorsegon 58 Cotano HS, Canalig, Albay 59 San Pascual HS, San Pascual, Masbate 50 San Isidro HS, Magarao, Canarines Sur 51 Baganance RSHS, Bagamanoc, Catandianes 52 San Jose HS, Bobon, Canarines Sur	88 83 7 73 73 73 73 73 73 73	252 289 262	232	- 350		39 107		4.0	23 15	1	2	+	ļ
56 Naga HS, Tivi, Albay 57 Ounadoad HS, Castilla, Sonsogon 58 Ootaron HS, Canalig, Albay 59 San Pascual HS, San Pascual, Masbate 50 San Isidro HS, Magarao, Canarines Sur 51 Baganenco RHS, Bagamanoc, Catandianes 52 San Jose HS, Boton, Canarines Sur	824 748 730 590	289 262		A1A	289 197	¥4 ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	4,004	4.0 5.0	16		1	+	1
57 Omedoad HS, Castilla, Sonsogon 38 Gotaon HS, Cavalig, Albay 39 San Pascual HS, San Pascual, Masbate 30 San Isidro HS, Magarao, Canarines Sur 31 Baganance RHS, Baganance, Catanduanes 32 San Jose HS, Boton, Canarines Sur	748 730 590	262		210	186	28	1,259 728	12.3	10		2	÷	
38 Cotaon HS, Canalig, Albay 39 San Pascual HS, San Pascual, Masbate 30 San Isidro HS, Magarao, Canarines Sur 51 Baganence RHS, Baganence, Catanduanes 52 San Jose HS, Bobon, Canarines Sur	730 590		210	191	134	16		دد.s 9.9	14		1	+	
99 San Pascual, HS, San Pascual, Masbate 10 San Isidro HS, Magarao, Canarines Sur 11 Baganence RSHS, Baganence, Catanduanes 12 San Jose HS, Bobon, Canarines Sur	590		214	162	110	16	739		•		1	+	
10 San Isidro HS, Hagarao, Canarines Sur 51 Baganance RSHS, Baganance, Catanduanes 52 San Jose HS, Bobon, Canarines Sur		214	195	139	122	15	1,187	6.0	9	1	1	- -	
51 Baganence RSHS, Baganance, Catandianes 52 San Jose HS, Bobon, Canarines Sur	499	211	155	126	98 58	20	858	6.9	12 14		1	+	ļ
2 San Jose HS, Bobon, Camarines Sur		207	149	80	63	16	1,127	7.1			1.		l
· · · · · · · · · · · · · · · · · · ·	493	140	.131	119	103	27			10	1	2	+	
i3 Hoto BrS, Moto, Masbate	щQ	136	135	90	79	12	1,041	5.0	1	1	1	+	
	ෂුව	153	126	79	67	13	593	8.8	7	1	1	+	
24 Caramoran 78415, Caramoran, Cataoduanes	407	123	101	104	99	22			12	1	2	_	
5 Tubli KS, Caranoran, Catadianes	401	129	127	73	12	13	748	9.4	5	1	1	+	
6 Don Gonzalgo MHS, Ragay, Camarines Sur	335	- 116	101	67	51	10	691	8	6	1	1	÷	ļ
7 Santos E. Conag HS, Esperanza, Masbate	270	104	74	51	41	8	332	13.8	1	1	1	÷	
8 Daguit NHS, Labo, Camarines Norte	260	92	73	48	47	8	753	8.7	ų	1	1	+	
9 Ranquerchan HS, Legaspi City	1					-			5	1	1	÷	ł
10 Dansol NCHS, Dansol, Sarsagan	1,944	ଯୋ	500	466	311	72	5,519	8.1	ප	2	1	÷	
1 Sto. Daningo MAS, Sto. Daningo, Albey	1,505	UUUS -	426	368	267	- 39	1,926	7.5	18	1	1	÷	
12 Anislag HS, Daraga, Albay	1,477	589	435	247	176	. 34	4,900	4.1	10	1	1	, <del>†</del> •	
13 San Miguel REHS, San Miguel, Catanduanes	644	193	192	143	116	29	902	5.6	12	1	0		
4 Baras RANS, Baras, Catanduanes	581	177	179	118	107	21	897	5.1	9	1	O		
5 San Rafael HS, Tigaon, Canarines Sur	456	172	147	97	ΨÛ	11	1,577	3.0	6	1	0	÷	
% kovellar is, kovellar, Albay	421	155	109	93	64	10	716	8.0	9	1	1	÷	1
77 Parukid HS, San Fernando, Cararines Sur	383	149	106	73	55	9	367	14.4	б	1	0		ł
78 Supang Datag HS, Caramoran, Catandianes	321	115	84	61	61	13	724	7.2	6	1	0	+	1
9 Catandanes NS, Virac, Catadanes	2113	643	512	504	454	លេ		_	30	0	12	-	l
0 kee Panganiban HS, J. Panganiban, C. Norte	1832				_	85	5,174	8.0	20	0	1	÷	
11 Ces Polytechnic School, Ces, Albey	1007	315	276	249	167	23	1,680	5.2	13		1	÷	
2 Bato Rasul BrS, Bato, Catadianes	75	238	191	154	142	47	· · -	_	8	1	0		
B San Francisco HS, Malilipot, Albay	880		~			19	-		10	1	1	+	
4 Tulay na Lupa HS, Labo, Camarines Norte	668	25	183	148	112	28	2,725	7.8	15	1	2	-	ļ
5 Del Callego HS, Del Callego, Canarines Sur	570	175	144	145	106	15	_		10	1	1	÷	ľ
Ko Cabasan HS, Bacacay, Albay	567	199	176	101	91	15	·]	7.3	11	1	1	÷	
17 Viga RRS, Viga, Catandranes	546	180	160	108	98	24	·	-	8	1	4	-	1
8 Sta. Lutgarda HS, Catusao, Canarines Sur	518	173	147	108	<u></u>	14	1,064	5.6	8	2	1		
9 San Juan HS, Libranan, Camarines Sur	510	175	140	99	~ %	8	995	8.0	3	1	0		
	-			92 92	82	13	512	10.7	12		1	÷	{
0 Abucay HS, Pilar, Sorsogon	481	170 148	137	92 94		10	293		<u>ي</u> 9	, ,		_	ľ
N 6U pilot HS, Rapi-Rapi, Albay	440		105		93 60		293		8		0	· +	ί
2 Colacting HS, Lupi, Casarines Sur	429	138	118	104 00	69 50	12				1	1	+	ł
8 Carolina NHS, Naga City	427	160	129	88 60	.50 8	.11	371	7.1	. 6 5	1		_	1
4 Gignoto Aural 845, Gígnoto, Catanàianea	412	130	110	92	80	21		_	5	1	1	+	ł
5 Villahermosa HS, Rapu-Rapu, Albay	393	141	103	80 ()	69	9	·	- 07	4	1	0	- -	
6 Pili HS, Bacacay, Albay	375	138	132	68 (1	37	7	682	9.7	4	1	0.	4	ľ
7 San Felipe HS, Basud, Camerines Norte	343	129	103	61	50	5	425	14,1	3	1	0		

SCHOOL NAME/ADDRESS	ENF TOTAL		(SY 1989 2ND YR		1	tot.no of te- achers	TOTAL EUDG	CSED BUDGET CPERATION/ MAINTEN(1)	FACI CR	LETY AVA SL	ILARLE LA/HE	UTII AVAII WATEF	
98 Talaonga NHS, Sta. Magdalena, Sorsogon	319	99	79	75	66	13	1,636	. –	ų	1	1	+	+
99 Larap Hs, J. Panganiban, Camarines Norte	289	100	75	59	55	8	1,003	14.5	3	1	0	+	-
100 Itaran HS, Polangi, Albay	279	115	79	43	42	7	289	16.0	8	· 1	0	+	+
101 Gibgos HS, Caramoan, Camarines Sur	244	72	61	70	41	8	298		3	1	0	+	
102 Magnesia HS, Virac, Catanduanes	201	62	56	52	31	8	541	13.2	4	1	. 0	+	-
103 Caditaan HS, Magallanes, Sonsogon	*182	62	47	37	36	7	щб	9.1	3	1	0		+
104 Sagrada HS, Tinanbao, Canarines Sur	*169	.59	47	36	27	6	2148	17.5	3	1	0	-	+
105 Batan HS, Rapu-Rapu, Albay	#165	62	46	35	22	5	1,031	13.2	2	1	1	+	+

Source: EDPITAF, March 13, 1990

Remarks: * It is expected that by the year 1992 the number would have reached 200 students in high school.

## 2.4 (2) LIST OF REQUESTED SCHOOLS IN REGION VIII AND THEIR OUTLINE

(1/3)

ALL THE ADDRESS	EN	OLENEN	° (SY 198	19 ~ 1990 1	)) 1	OK TOF OF TE-	1990 FRCFC TOTAL BUDG	SED BUDGET OPERATION	Fact	LITY AV	BJEALU I	LLTU LLAVA	
SCHOL NAME/ADDRESS	TOTAL.	1ST YR	2ND YR	3RD YR	uth NR		1	MAINTEN(%)	R	SP.	1A/HE	WATEF	₹ ELD T
1 Tanatan SCHE, Tanatan, Leyte	1,322	456	340	211	2419	52	-	_	16	- 1	ា	:	4
2 Kauswagan BHS, Palo, Leyte	*150	30	35	46	39	6			3	1	1	-	1
3 Julita & S. Julita, Leyte	504	161	152	106	: 85	12	[ –		9	0	1	. +	. 1
4 Alburra NKS, Alburra, Leyte	792	206	240	163	183	26	1,870	8.1	14	1	· 1	-	•
5 Carigara MS, Carigara, Leyte	745	251	23)	144	120	18	7,235	7.3	7	. <b>1</b>	1	-	-
6 Granja Kalinawan BHS, Jaro, Leyte	1,332	365	396	- 323	228	36	9,674	3.6	51	1	1	+	1 -
7 Balocauchay SHS, Abuyog, Leyte	558	176	196	105	80	10	-		8	1	0	-	1
8 Cabeangan SNS, Dulag, Leyte	245	73	66	68	38	5	-	-	4	1	0	+	
9 Tunga SHS, Tunga, Leyte	838	291	209	213	125	22	-	-	- 12	1	1	: +	
10 Margan BiS, Marida, Leyte	351	117	114	63	57	9		-	3	· 0	1	· -	1.
11 Burauen BiS, Burauen, Leyte	969	254	232	255	228	36	1,921	5.7	20	2	1	+	<u>ا</u> - ۱
12 Sta. Fe BHS, Sta. Fe, Leyte	634	235	192	115	92	14	2,122	5.5	6	0	1	+	
13 Yahapiag BKS, Mahapiag, Leyte	853	297	පං	168	138	17	-		13	1	1	+	
14 Luceom EKS, Naval, Biliran	*131	50	27	- 27	27	6	-	·	3	1	0	+	
15 Tabon-Tabon BHS, Tabon-Tabon, Leyte	387	115	107	100	64	10	{		્ય	1	0		{
16 Patec BIS, Desani, Leyte	24	81	3	60	40	4			3	1	0	+	1
17 Sta. Mesa & S, Tarazan, Leyte	364	107	107	99	51	8			2	0	1	+	1
17 July 1990 1995, Tabango, Leyte	579	192	145	129	113	2	840	7.1	9	1	4	-	1
	471	150	130	114	77	10	_		5	0	0	+	
19 Junga BrS, Baybay, Leyte	566	156	177	134	89	13			8	1	1	+	
20 Matlang 8hS, Isabel, Leyet		200	153	114	90	13	3,458	19.2	7	0	1	-	
21 San Miguel 6KS, San Miguel, Layte	57				60	1 II 1 II	J,420		10	1	0	÷	
22 Minuhang BHS, Barugo, Leyte	395	132	112	91	(	ł i	1,713	8.4	7	0	1	_	
23 Sta. Rosa BHS, Barugo, Leyte	301	78	103	80	40	11	1,113	0.4	9	1		÷	
24 Javier BS, Javier, Leyte	574	191	181	116	66	10	i i	4.7	13	1	6		
35 Wright WS, Wright, Savar	612	180	166	161	105	34	4,300		1	1	0	+	1
36 Wright CHS, Wright, Samar	528	197	152	95	84	14		-		-	1	-	
27 Basey NAS, Basey, Samar	406	142	100	87	77	26		-	9	1			
28 Taft NHS, Taft, Samar	792	231	218	170	167	27	485	10.0	15	1	0	+	
29 Dolores NHS, Dolores, Sanar	1,845	542	480	459	365	56	5,000	1.6	3J4	1	1		1
10 Lavean SCHI, Lavean, Senar	391	119	102	81	89	ප	3,483	12.0	17	1	2	+	1
31 Balangiga NAS, Balangiga, Samar	571	215	138	133	85	9	940	1.3	16	1	0	+	
92 Giporlos NHS, Giporlos, E. Samar	1429	124	117	109	79	26	-	-	12	1	1	+	
33 Malabog MHS, Malabog, N. Satar	250	70	63	53	54	11	1,000	15.0	ų	1	1	ŧ	
34 Bobin 1945, Bobin, N. Semer	*161	54	54	26	21	5	970	7.7	3.	1	0	+	
35 Saloedo CHS, Saloedo, E. Satar	432	109	119	111	93	11	2,000	5.0	7	1	- 0	+	ļ
36 Cen. MacArthur N415, Cen. McArthur, E.Sazar	420	128	113	103	76	23	-	—	16	1	1	-	
37 Samar NAHS, Taft, E. Samar	368	116	113	73	66	37	532	18.5	ង	2	4	-	ł
38 Bobon SOF, Bobon, N. Semar	568	177	153	130	108	ප			9	2	6		ł
39 Washington BHS, Catannan, N. Savar	*162	50	50	36	26	6	256	7.8	3	1	0	+	
10 Polangi 845, Cataman, N. Samar	*180	80	40	30	30	6	1,148	2.6	3	1	0	÷	
11 Alegria BHS, San Isidro, N. Samar	632	188	163	154	127	13	3,174	7.9	9	0	1		
12 Opendo BAS, Calbayog City, N. Sevar	42	131	125	102	84	17	1,752	7.3	8	1	1	+	{
13 Trinidad BHS, Trinidad, N. Samar	445	145	145	93	. 63	15	540	5.1	4	1	0	÷	
# San Policarpio BHS, Calbayog City, N.Samar	479	133	160	104	82	18	-	·	12	ı	0	-	
15 Tarabucan BKS, Tarabucan, N. Sanar	*176	62	50	X	32	7	<u> </u>	_	.3	0	1		1
6 Mondragon BHS, Mondragon, N. Samar	326	121	93	63	49	14	_	_	б	1	2		
7 Lavezares AIS, Lavezares, N. Senar	1,015	278	330	270	137	29	50	15.0	5	i	o	+	
8 Leyte NS, Tacloben City, Leyte	5,806	1,765	1,638	1,211	1,172	183	20,830	0.7	46	12	12	-	

Remarks * It is expected that by the year 1992, the number would have reached 200 students in high schools.

(2/3)
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SCHOOL NAME/ADDRESS	ENR	olianani	' (SY 198 1	39 - 1990 I	))	tor no of te-		SED BUDGET	FACI	LTTY AV/	ATT ABLE	UTT AVATI	
	TOTAL	ist yr	290 YR	370 YR	41H YR	ACHERS		MAINTEN(1)	ß	SL	IA/HE	WATE	R I
49 Alang-Alang HS, Alang-Alang, Leyte	1,136	376	338	243	179	23	2,216	5.6	19	ių.	1	_	
50 Cataman NHS, Cataman, N. Samar	842	379	220	133	110	21	4,000	5.0	15	2	1	+	
51 Tolosa BiS, Tolosa, Leyte	700	242	. 190	148	120	15	755	8.0	挕	1	1		
52 P. Rebachillah MAC, Catubig, N. Samar	650	195	174	145	136	26	5,248	5.4	7	1	1	+	
53 San Roque MHS, San Roque, N. Sanar	610	214	142	172	92	16	770	3.5	6	1	1	+	
54 R.K. Kangleon Mem. Agro-Fisheries													
Tech. Inst. Bontoc, So. Leyte	469	163	101	107	- 98	24	900	2.4	7	1	1	+	
55 San Antonio Rural HS, San Antonio, N. Samar	459	183	141	70	ஞ	16	_		8	1	1		
56 Mayonza BilS, Mayonza, Leyte	410	134	136	70	70	n	1,009	5.1	9	1	1	-	
57 Plaridel BrS, Plaridel, Baybay, Leyte	397	124	108	85	80	12	850	2.9	9	1	1	-	
58 Sta. Mangarita HS, Sta. Mangarita, Samar	339	117	102	62	58	9			6	}	1	-	
59 Maripipi NVS, Maripipi, Leyte	374	122	86	72	94	20	550	6.4	6	3	9		
60 Naval Sch. of Fisheries, Naval, Bitiran Leyte	244	107	53	- 55	29	18	400	15:0	9	2	5		
61 Bolusao BHS, Bolusao, Lavean, E. Samar	211	56	58	55	112	6		—	4	1	1	+	
62 Don Vicente Orestes Romaldez Agri College,	-										1		
Brauen, Leyte	238	86	47	47	18	15	518	17.1	3	1	1	-	1
63 Dulag NS, Dulag, Leyte	1,534	484	423		277	u2	5,978	2.0	ප	1	0	+	
64 Villareal KS, Villareal, Satar	574	182	165	1	114	20	1,665	4.5	9	1	۱	+	
65 Tanbis 885, St. Berrardo, S. Leyte	403	143	117	83	60	10			6	0	1	+	
66 San Ricardo MS, San Ricardo, S. Leyte	325	91	100	78	56	14	3,554	2.0	7	0	1	÷	
67 Mercedes MS, Mercedes, E. Sanar	301	86	81	78	56	9	_		L;	1	. 0	4	
68 Tacloben City NS, Bacegay, Tacloben City	744	248	173	186	137	23	870	2.9	5	1	0	+	1
69 Almeria HS, Almeria, Biliran, Leyte	640	195	194	125	126	19	_		10	1	1	-	
70 Asuncion S. Melgar SHS, Capoccan, Leyte	530	162	165	113	90	15	-	-	7	1	i	-	
71 Tucdao HS, Kewayan, Biliran	462	152	105	101	103	14	705	11.3	7	1	1	-	ĺ
72 Ravis KS, Hinabargan, Sarar	457	188	119	81	មា	14	800	7.2	6	1	0	+	
73 Canipaan BtS. Hintargan, S. Leyte	457	128	144	87	88	12	1,659	4.0	8	1	1	÷	
74 Valencia BS, Ormoc City, Leyte	454	159	139	98	58	11	3,504	5.1	5	1	1	-	
75 Quinapundan Proyl HS, Quinapundan, E. Sanar	431	148	109	111	63	13	522	5.0	Li	ι	0	÷	
76 Hernani Prov. HS, Hernani, E. Sanar	427	145	110	95	77	14	650	5.0	6	1	1	- 1	
77 Sta. Oruz BiS, Malitog, S. Leyte	426	106	134	114	72	12	रह	8.0	6	1	1	÷	
78 Sen Isidro Agro-Industrial School,	373	123	79	98	73	21	3,430	2.7	5	1	1	+	
3	0.0	·	.,	,5		- /	-,			į	l	ļ	Ì
San Isidro, N. Samar 79 Pagsulhugon 845, Babatagon, Leyte	335	159	84	56	36	7	-	_	5	t	0	-	
80 Sta. Rita CIS, Sta. Rita, Samar	317	92	86	81	58	10	770	3.5	6		1	<b>、</b> +	
54 R.K. Kangleon Merr. Agro-Fisheries	1	, e.,	~	<u>,</u>				_ *					
Tech. Inst. Bontce, So. Leyte	469	163	101	107	98	24	900	2,4	7	1	1	+	ł
55 San Antonio Rural KS, San Antonio, N. Samar	459	183	141	70	65	16			8	1	1		
84 Mercedes 84S, Silego, S. Leyte	278	87	72	61	58	9		—	5	1	1	+	
84 mercenes ers, sulago, s. Leyte 85 Independencia RKS, Independencia, Talalora,	-14	-	.~			-					1		
• • • •	218	185	58	40	35	6	350	5.0	ų	0	1		
Sanar 86 Baugo BHS, Baugo, Maasin, S. Leyte	212	73	49	35	55	6			3	1	0		
87 Daran HS, Daran, Samar	337	132	96	55	54	7		_	6	1	1		
88 San Joaquin BHS, Palo, Leyte	510	158	147	114	91	8			Ц	1	0		1
85 San Joaquin Cris, rato, Leyve 89 Basey NAS, Basey, Sanar	1,499	438	433	363	265	50	1,000	5.1	20	2	1		
· · ·	305	88	-20 79	80	58	10		_	6	1	ł		ļ
90 Begacay BHS, Bagacay, Hinabergan, Sanar	713	219	185	168	141	26	2,680	1.3	12	1	1	_	
91 Llorente NIS, Llorente, E. Semar	203	69	68	27	39	13	3,625	4.7	4	1	1		ł

(3/3)

SCHOL NAME/ADDRESS	EN	CLEMENT	: (SY 198	19 - 1990 1	))	TOT NO OF 1E-	1 · · · · ·	SED BUDGET OPERATION/		lity ava	ILABLE	LITTU AVATLA	··· 1
Sau Ministra	TOTAL	ist yr	240 YR	3FD YR	4778 YR	ACHERS	(P1,000)	MAINTEN(\$)	R	SL.	IA/HE	WATER	A.C.
93 Alugan School of Oraftsmanship, San	483	161	146	94	82	39	3,731	3.8	5	1	1	-	+
Policarpio, E. Samar	ļ					[ • . • .						1999 1997 - 1997 1997 - 1997	1
94 Jipapad BHS, Jipapad, E. Samar	234	- 75	57	57	15	6		- 1	- 4	1	1		+
95 San Joaquin BHS, San Joaquin, Calbayog									- es [1				
N. Seman	343	134	. 95	70	- 43	i .'			- 4	1	1	(* 1974) 1975 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 - 1974 -	+
96 Lacang MIS, Lacang, N. Samar	1,339	439	384	240	1	1 . '	6,340	4.4	15	2	- 4		· + [
97 Harida VS, Marida, Leyte	1,096	371	- 315	229	181	1 .	3,607	5.6		1	4		+
98 Gala VS, Gamay, N. Samar	721	247	187	170	{	1	5,679	4.8	12		5		+
99 La Paz BHS, La Paz, Leyte	681	208	199	5	f i	18	·	-	6	1	0		·· +
100 Biri BHS, Biri, N. Samar	375	134	101	- 82	l 1. 1	[ 11	·		.3		> b		* . [
101 San Rafael BHS, San Rafael, S. Leyte	352	96	97	93	66		-		- 5	l i	0		• +
102 Caridad 84S, Baybay, Leyte	312	104	- 76	· 79	53	8		-	4		: 0		+
103 Linasawa BHS, Linasawa, S. Leyte	310	90	69	82	<b>,</b> '	1 1	1.10	-	- 7	1	1		÷.[
104 Sta. Paz BHS, Sta. Paz, N. Sanar	240	66	68	68	- 38	1 i			. 4			1 - 1	+
105 Leyte BHS, Marida, Leyte	214	ъ	51	- 49	39	5		-	4	1. <b>.</b>			. + [

Source: EDPITAF, March 13, 1990

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#### 2.5 REQUESTED EQUIPMENT AND QUANTITY

#### (1/5) No Items Requested Quantity GENERAL SCIENCE Platform Balance 1. 4 2. Terrestrial Globe 1 Laboratory Apparatus Repair Kits 1 3. Water Analysis Outfit 4. 1 Seismograph Model 5. 1 6. Anemometer with Vane 1 7. Rain Gauge 8. Aneroid Barometer 1 Magnetizer 9. 4 10. Hand Lens (Biconvex) 444 11. Pulley Set 12. Magnetic Compass 1 Stop Watch 13. Tray, Wooden 14 BIOLOGY Pocket Magnifier 1. 8 2. Dissecting Set 3. Microscope, Compound, with Lens Cleaning Set 4 4. Human Anatomy Chart with Overlays 1 5. Detachable Organ System 1 1 Len Cleaning Set 6. 1 7. Triple Beam Balance CHEMISTRY 1 Triple Beam Balance 1. 4 Iron Stand 2. 4 Utility Clamp 3. Iron Ring 4. Electrolysis Apparatus 5. PH Meter 6. Wire Gauge 7. Test Tube Holder 4 8. 4 Test Tube Rack 9. 1 10. Cork Borer/Stopper Set 4 11. Tripod 4 Test Tube Brush (Small) 12. Test Tube Brush (Large) 4 13. 2 each Spatula Set (Small, Medium, Large) 14 Cabinet for Chemicals 1 15. 8 16. Wash Bottle 1 17. Periodic Table, Wall Chart 18. Atomic Molecula 19. Alcohol Burner Atomic Molecular Model Kit 1 8 20. Pinch Cock 4 21. Calorimeter 2

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No	Items	Requested Quantity
PHYS	ICS	
	Convex and Concave Mirrors	4
1.		4
2.	Demonstration Lens Set	4
3.	Spring Balance, Newton	4
4.	Spiral Springs Set	4 2
5.	Meter Stick	
6.	Acceleration Recording Timer	4
7.	Dynamic Carts	4 2
8.	Electroscope	
9.	Prism Set	4
10.	Magnet (Bar)	4
11.	Magnet (Ring)	4
12.	Magnet (U-shape)	4
13.	Magnet (Alcomax)	4
14.	Transistor Radio Demo Set	<b>1 1 1 1</b>
15+	Multi Tester, Analog	4
6.	Ripple Tank	4
7.	Logic Gates (Circuit Trainer)	4
8.	Set of Tuning Forks	1
9.	Resonance Apparatus	1
20.	Electric Motor/Generator	1
21.	Free Fall Apparatus	1
2.	Photometer Set	1
23.	Incandescent Optical	
•••	Light Source for Optics Experiment	1
24.	Scientific Calculator	8
25.	Biconvex and Biconcave Lens Set	1
26.	Platform Balance	3
27	Pulley	4
28.	Magnetic Compass	4
29.	Stop watch	2
	-	~
1 LAS	SWARE	
1.	Mercurial Thermometer (-10 to 110oC)	16 Overlaps 3 subjects
2.	Mercurial Thermometer (-10 to 360oC)	4
3.	Petri Dish	8
4.	Glass Slide	4
5.	Cover Glass	4
6.	Graduated Cylinder (Glass 10ml)	12 Overlaps 2 subjects
7.	Graduated Cylinder (Glass 100ml)	8 Overlaps 2 subjects
8.	Graduated Cylinder (Glass 500ml)	4
9.	Graduated Cylinder (Plastic 50ml)	4
10.	Graduated Cylinder (Plastic 100ml)	8
11.	Beaker (100ml)	4
2.	Beaker (250ml)	12 Overlaps 3 subjects
13.	Beaker (500ml)	12 Overlaps 3 subjects
14	Beaker (1000ml)	4
15.	Test Tube (15mm,20mm)	4 2 dozens
6.	Erlenneyer Flask 250ml	7 Overlaps 2 subjects
7.	Mortar and Pestle	
	LINT AUT LODATE	8 Overlaps 2 subjects
	Persont Pettle (050-1)	· · · · · · · · · · · · · · · · · · ·
18. 19.	Reagent Bottle (250ml) Reagent Bottle (500ml)	4

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	Items		Requested Quantity					
20.	Reagent Bottle (1000ml)				······			
21.	Funnel		. 4					
	and the second se		4					
22	Stirring Rod		8	0	0			
23.	Medicine Dropper		8	Overlaps	2 subjects			
24.	Evaporating Dish		4					
25.	Pipette (Plastic 1ml)		1					
26.	Pipette (Plastic 10ml)		1					
CONS	UMABLES							
1.	Litmus Paper (Red, Blue)		4					
2.	Filter Paper (Pack of 10 S	heets)	10					
3.	PH Paper		1					
4.	Zinc Plate Set		1					
5	Copper Plate		1					
	Nichrome Wire		1					
7.	Copper Wire		1					
CHEM	ICALS							
1.	Lead Pellets	0.5kg	1					
2.	Sulfur Powder	0.25kg	1					
3.	Bromothymol Blue	0.5L	1					
4.	Ethanol	0.5L	1					
5.	Phenolphthalein	0.5L	1					
6.	Benedict Solution	0.5L	1					
7.	Copper Sulfate (Crystals)	0.5L	1					
8.	Carbon Tetrachloride	0.25kg	1					
			1					
9.	Nitric Acid	0.5L						
10.	Phenol	0.5kg	1					
11.	Iodine	0.5L	1					
12.	Benzoic Acid	0.25kg	1					
13.	Naphthalene Balls	0.25kg	1					
14.	Iron Fillings	0.5kg	1					
15.	Sodium Hydroxide (Pellets)	0.5kg	1					
16.	Magnesium Ribbon	25g	1					
17	Yeast	0.5kg	1					
18.	Calcium Oxide	0.5kg	1					
19.	Denatured Alcohol	0.5kg	1					
20.	Copper Dust	0.25kg	1					
21.	Calcium Carbide	0.25kg	1					
	Lead Nitrate (Crystals)	0.25kg	1					
22.	· · ·		1					
23.	Potassium Iodide	0.25kg						
24.	Ferric Chloride	0.25kg	1					
25.	Potassium Ferricyanide	0.25kg	1					
26.	Potassium Chromate	0.25kg	1					
27.	Potassium Dichromate	0.25kg	1					
28.	POtassium Bromide	0.25kg	1					
	Boric Acid (Crystals)	0.25kg	1					
29.								

No	Items		Requested	Quantity
31.	Ammonium Chloride	0.5kg	1	:
32.	Zinc Nitrate	0.5kg	1	
33.	Sulfuric Acid	0.5L	. 1	
34.	Manganese Dioxide	0.25kg	1	
35.	Acetic Acid	0.5kg	1	· · ·
36.	Sodium Bicarbonate	0.25kg	1	
37.	Hydrogen Peroxide	0.25kg		
38.	Potassium Nitrate	0.25kg	1	
39.	Potassium Chloride	0.25kg 0.25kg	1	
40.	Sodium Sulfate Ammonium Solution	0.5L	1	
41.	Hydrochloric Acid	0.5L	1	4.1
42.	nyuroentorie ketu		•	
HOME	ECONOMICS			
1.	Sewing Machines		4	
2.	Pressure Cooker		2	
3	Meat Grinder		1	
4.	Electric/Gas Range(with Ga	as Cylinder)	1	
5	Blender	•	1	
6.	Mixer		1	
7.	Casserole Set		2	
8.	Electric Iron		1	
9.	Set of Dinnerware		2	
10.	Set of Silverware		1	
11.	Glassware Set		. 2	
12.	Set of Frying Pan		2	
13.	Kitchen Knife Set		2	
14.	Cutting Devices		~ ~ ~	
15. 16.	Mixing Bowl Set Kettle		2 2	
17	Bakeware Set		-2	· · · · · · · · · · · · · · · · · · ·
18.	Set of Measuring Spoons		2 2	
19.	Set of Measuring Cups		2	
20.	Casserole		1	
21.	Rotary Egg Beater		1	:
	STRIAL ARTS			
1.	Stock and Die Set		4	
2.	Pipe Wrench Set		4	
3.	Pipe Vise		4	
4. 5.	Hack Saw Blieve Disconsl Cutting	•	· 4.	
2. 6.	Pliers, Diagonal Cutting Screwdriver Set		4	
7.	Utility Tester		4	
8.	Wire Stripper and Cutter		· · · · ·	
9+	Hand Drill		4	
10.	Cold Chisel Set		4	
11.	Hammer - Claw		4	
12.	Hammer - Ball Pein		4	
	Hammer - Cross Pein			

(4/5)

			(5/5)
No	Items	Requested Quantity	
14.	Rule, Steel	4	
15.		4	
16.		4	
17.	Soldering Gun	4	
18.		4	
19.	Vise Grip Pliers	4	
20.	Bench Grinder	1	
21.	Hand Saw (Rip and Cross cut)	4	
22.	Hand Plane (Jack and Smooth Plane)	4	
23.	Hand Brace	4	
24	Zigzag Rule (Folding Rule)	4	
25.	Wood Chisel Set	4	
26.	Center Punch Set	4	
27.	C-Clamp	4	
28.	Bar Clamp	4	
29•	Carpenter's Square (Combination Type)	4	
30.	Try-Square	4	
31.	Electric Arc Welder	1	
32.	Marking Gauge	4	
33.	Metal Cutting Chisel	4	

2.6 EVALUATION RESULT OF SETTING UP OF QUANTITY OF EQUIPMENT

(1/5)

No		Requested Quantity	Planr Quant		Reason for Change
GENE	RAL SCIENCE				
1.	Platform Balance	4	4		-
2.	Terrestrial Globe	1	1		
3.	Laboratory Apparatus Repair Kits	1	1		-
4.	Water Analysis Outfit	1	1		
5.	Seismograph Model	1	1		
6.	Anemometer with Vane	1	1		tent a second
7.	Rain Gauge	1	1		-
8.	Aneroid Barometer	1	1		-
9.	Magnetizer	4	4		••••
10.		4	4		-
11.		4	4		-
12.	÷ -	4	4		
13.	Stop Watch	1	4	Necessa	ry by basic group
14.	Tray, Wooden ^{&lt;1}	4	4		
BIOL	OGY				· · · ·
1.	Pocket Magnifier	4	4		
2.		8	4	Suffici	ent even by basic
3.	Microscope, Compound,	Ŭ	4	UUL LOL	group
20	with Lens Cleaning Set	4	4		- Er out
,	Human Anatomy Chart with Overlay		1		
4. 5.		5 I	ò	Deleted	from std. list
6.		1	ŏ		d with microscope
7.	Triple Beam Balance	1	ŏ	Commonl	y used with stry No.1
CHEM	ISTRY			OHERT	
1.	Triple Beam Balance	1	1		~
2.	Iron Stand	4	4		
3.	Utility Clamp	4	4		#134
4.	Iron Ring	4	4		-
5.	Electrolysis Apparatus	1	1		-
6.	PH Meter	1	1		
7.	Wire Gauge	4	4		
8.	Test Tube Holder	4	4		-
9.	Test Tube Rack	4	4		
10.	Cork Borer/Stopper Set	1	1		
11.	Tripod	4	4		<b></b>
12.	Test Tube Brush (Small)	4	4		-
13.	Test Tube Brush (Large) \	4	4		<b>-</b>
14.	Spatula Set (Small, Medium, Larg	e) ^{&lt;1} 2 ea		each	-
15.	Cabinet for Chemicals	. 1	1		-
16.	Wash Bottle ^{&lt;1}	8	4	Changed	on the basis
			-	-	e group
17.	Periodic Table, Wall Chart	1	1		
18.	Atomic Molecular Model Kit ^{&lt;1}	1	1		-

Remarks: <1 Equipment added to the standard list in March 1990. <2 Equipment deleted from the standard list in March 1990.

No		Requested Quantity	Plann Quant	
19.	Alcohol Burner	8	4	Changed on the basis of basic group
20.	Pinah Cook		4	-
21.	Pinch Cock Calorimeter ^{&lt;2}	4 2	4 0	Deleted from std. list
PHYS	ICS			
1.	Convex and Concave Mirrors	4	4	_
2.	Demonstration Lens Set	4	1	_
3.	Spring Balance, Newton	4	8	At least 2 pcs. necesar for 3 axis experiments
4.	Spiral Springs Set	4	4	-
5.	Meter Stick	2	4	Changed on the basis of basic group
6.	Acceleration Recording Timer	4	4	~
7.	Dynamic Carts	4	4	-
8	Electroscope	2	1	For demonstration
	Prism Set	4	4	-
9.				-
10.	Magnet (Bar)	4	4	-
11.	Magnet (Ring)	4	4	-
12.	Magnet (U-shape)	4	4	
13.	Magnet (Alcomax)	4	4	-
14.	Transistor Radio Demo Set	1	1	
15.	Multi Tester, Analog	4	4	
16.	Ripple Tank	4	2	Unnecessary on the basi of basic group, but if only one, insufficient for wave observation
17.	Logic Gates (Circuit Trainer)	4	4	
18.	Set of Tuning Forks	1	2	Insufficient for hearin tuning sound if only or
19.	Resonance Apparatus	1	1	-
20.		1	6	Necessary by basic grou
		1	1	"
21.	Free Fall Apparatus	1	1	_
22.	Photometer Set	i	1	<b>-</b>
23.	Incandescent Optical			
	Light Source for Optics Experime		1	-
24.	Scientific Calculator	8	8	ea .
25.	Biconvex and Biconcave Lens Set	1	1	-
26.	Platform Balance	3	0	Commonly used with Gen. Science No. 1
27.	Pulley	4	Ø	Commonly used with Gen. Science No. 11
28.	Magnetic Compass	4	0	
29.	Stop watch	2	0	
£.70	Nooh waroow	~	-	Science No. 13

Remarks: <1 Equipment added to the standard list in March 1990. <2 Equipment deleted from the standard list in March 1990.

No		lequeste Juantity	d Plann Quant	
GLAS	SSWARE			
1.	Mercurial Thermometer (-10 to 110	0oC) 16	6	Commonly used by basic group, with spare
2.	Mercurial Thermometer (-10 to 360	000) 4	4	🗍 👘 🙀 ja baran yang sa kabupatén kabupa
3.	Petri Dish	8	6	Use by basic group
4.	Glass Slide	4	4	<b></b>
5.	Cover Glass	. 4	4	
6.	Graduated Cylinder (Glass 10ml)	12	6	group, with spare
7.	Graduated Cylinder (Glass 100ml)	8		- ditto -
8.	Graduated Cylinder (Glass 500ml)	4	6	Use with basic group with spare
9.	Graduated Cylinder (Plastic 50ml)	4	4	
10.				Use by basic group
11.	Beaker (100ml)	4		Use with basic group with spare
12.	Beaker (250ml)	12	. 6	Commonly used by basic group, with spare
13.		12	6	- ditto -
14.	Beaker (1000ml)	4	6	Use with basic group
		_		with spare
15.				dozen -
16.	Erlenmeyer Flask (250ml)	7	6	. • •
17.	Mortar and Pestle	8	4	
40	P = (1 + P + 1) + (270 - 1)	,	,	group
18. 19.	Reagent Bottle (250m1) Reagent Bottle (500m1)	4	4	-
17.	Reagent borore ()comr)	4	4	
20.	Reagent Bottle (1000ml)	4	4	- mant
21.		4	6	Use by basic group
				with spare
22.	Stirring Rod	8	: 6	
23.	Medicine Dropper	8	6	- ditto -
24.	Evaporating Dish	4	6	······································
				group, with spare
25.	Pipette (Plastic 1ml)	1	1	
26.	Pipette (Plastic 10ml)	1	.1	· · · · · · · · · · · · · · · · · · ·
CONS	SUMABLES		•	
1	Litmus Pener (Red Blue)	,	,	-
1. 2.	Litmus Paper (Red, Blue) Filter Paper (Pack of 10 Sheets)	4 10	4 10	
3.	PH Paper	10	4	Changed on the basis of
	Abar	1	4	basic group to observe color difference
4.	Zinc Plate Set	1	1	
5.	Copper Plate	1	1	
6.	Nichrome Wire	1	1	·
<b>7</b> •	Copper Wire	1	1	
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No	Items		sted ity	Planned Quantity	Reason for Change
CHEM	ICALS	and the second	ali ani Britania Ali Briggian		ng ya anan a shi can 1994 a fin da makada di wana ya a shi can a shi can a
1.	Lead Pellets	0.5kg	1	1	
2.	Sulfur Powder	0.25kg	1	1	100
3.	Bromothymol Blue	0.51	1	1	
4.	Ethanol	0.5L	1	1	6-3
5.	Phenolphthalein	0.5L	1	1	-
6.	Benedict Solution	0.5L	1	1	
7.	Copper Sulfate (Crystals)	0.5L	1	1	<b>-</b>
8.	Carbon Tetrachloride	0.25kg	1	1	-
9.	Nitric Acid	0.5L -	1	1	<b>6</b> #
10.	Phenol	0.5kg	1	1	
11.	Iodine	0.5L	1	1	-
12.	Benzoic Acid	0.25kg	1	1	<b></b>
13.	Naphthalene Balls	0.25kg	1	1	ivezi .
14.	Iron Fillings	0.5kg	1	1	-
15.	Sodium Hydroxide (Pellets)		1	1	122 E
16.	Magnesium Ribbon	25g	1	1	-
17.	Yeast	0.5kg	1	1	
18.	Calcium Oxide	0.5kg	1	1	-
19.	Denatured Alcohol	0.5kg	1	1	
20.	Copper Dust	0.25kg	1	1	-
21.	Calcium Carbide	0.25kg	1	1	
22.	Lead Nitrate (Crystals)	0.25kg	1	1	<del></del>
23.	Potassium Iodide	0.25kg	1	1	<b>6.0</b>
24.	Ferric Chloride	0.25kg	1	1	•••
25.	Potassium Ferricyanide	0.25kg	1	1	
26.	Potassium Chromate	0.25kg	1	1	-
27.	Potassium Dichromate	0.25kg	1	1	-
28.	Potassium Bromide	0.25kg	1	1	<del>-</del> .
29.	Boric Acid (Crystals)	0.25kg	1	1	
30.	Calcium Chloride	0.25kg	1	1	⇒
31.	Ammonium Chloride	0.5kg	1	1	-
32.	Zinc Nitrate	0.5kg	1	1	
33.	Sulfuric Acid	0.51	1	1	<del>7-</del>
34.	Manganese Dioxide	0.25kg	1	1	***
35.	Acetic Acid	0.5kg	1	1	-
36.	Sodium Bicarbonate	0.25kg	1	1	-
37.	Hydrogen Peroxide	0.25kg	1	1	
38.	Potassium Nitrate	0.25kg	1	1	
39.	Potassium Chloride	0.25kg	1	1	
40.	Sodium Sulfate	0.25kg	1	1	
41.	Ammonium Solution	0.5L ¯	1	1	27 <b>4</b>
42.	Hydrochloric Acid	0.5L	1	1	-
HOME	ECONOMICS				
1.	Sewing Machines		4	4	<b>-</b>
2.	Pressure Cooker		2	2	
3.	Meat Grinder		1	1	-
4.	Electric/Gas Range(with Ga	s Cylinder)	) 1	1	-
5.	Blender	-	1	1	_

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20000	equested uantity	Planned Quantity	Reason for Change
ixer	1	1	
asserole Set	2	1 I	for demonstration
lectric Iron	1	1	
et of Dinnerware	2	1 I	for demonstration
et of Silverware	1	1	1 <b>11</b>
lassware Set	2	-	for demonstration
et of Frying Pan	2		for demonstration
itchen Knife Set	2	2	**
utting Devices	2		for demonstration
ixing Bowl Set	2	1 E	for demonstration
ettle	2	1 I	for demonstration
akeware Set	2	2	
et of Measuring Spoons	2	2	<u></u>
et of Measuring Cups	2	2	
asserole	1	0 Del	leted from std. list
otary Egg Beater	1	0	- ditto -
	·		
RIAL ARTS			•
tock and Die Set	- 4	4	· _
ipe Wrench Set	4	4	منبع ا
ipė Vise	4	4	-
ack Saw	4	4	· · · · · · · · · · · · · · · · · · ·
liers, Diagonal Cutting	4	Å.	-
crewdriver Set	4	4	ختو
tility Tester	4 4	4	475
ire Stripper and Cutter	<del>~</del> 4	4	<b>.</b>
and Drill	<del>4</del>	4	
old Chisel Set	4	4	
ammer - Claw	4	4	
ammer - Ball Pein		4	
	4		
ammer - Cross Pein	4	4	
ule, Steel	4	. 4	-
ape Rule (10', 33')	4	4	e
in Snip	4	4	-
oldering Gun	4	4	· <b>-</b>
achinist Vise	4	4	
ise Grip Pliers	4	4	
ench Grinder	1	1	<u>.</u>
and Saw (Rip and Cross cut)	4	4	-
and Plane (Jack and Smooth Plane		4	-
and Brace	4	4	-
igzag Rule (Folding Rule)	4	4	<b></b>
ood Chisel Set	4	4	
enter Punch Set	4	4	<b>-</b> .
-Clamp	4	- 4	
ar Clamp	4	4	<b>_</b>
arpenter's Square (Combination T	ype) 4	4	<del>-</del>
ry-Square	4	4	ero .
lectric Arc Welder	1	1	, e 🛥
arking Gauge	4	4	
			Leted (overlapped wi
ry- lec ark	Square tric Arc Welder	Square4tric Arc Welder1ing Gauge4	Square44tric Arc Welder11ing Gauge44

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