

SUPPLEMENT

**SUPPLEMENT -1 Number of Science/Mathematics
Teachers Needing Training**

-2 ISMED Training Experience (1986)

-3 Memorandum of Agreement

-4 Related Organization Chart

-5 Boring Data

Supplement-1 Number of Science/Mathematics Teachers Needing Training

Regional Distribution of Total Science/Mathematics Teachers Needing Training by Subject and Type of School

Region	Type	General Science	Biology	Chemistry	Physics	Mathematics	All Subjects	Grand Total
NCR	Private	66(53.2)	65(47.4)	76(59.0)	46(76.6)	104(23.5)	357(40.0)	811(39.5)
	Public	52(25.0)	82(41.6)	85(72.7)	53(79.1)	182(31.5)	454(39.1)	
I	Private	48(40.4)	41(35.3)	30(41.0)	35(44.4)	169(43.3)	323(41.6)	772(39.5)
	Public	69(28.1)	67(40.8)	60(53.7)	74(77.1)	179(31.8)	449(38.1)	
II	Private	39(52.8)	29(37.2)	36(58.1)	28(60.8)	56(34.6)	188(44.5)	484(50.3)
	Public	52(60.4)	37(46.3)	45(80.3)	42(77.9)	120(45.5)	296(54.8)	
III	Private	13(18.8)	12(46.1)	34(72.4)	11(44.0)	55(34.1)	125(38.1)	488(43.5)
	Public	64(44.2)	64(55.6)	82(67.3)	57(70.4)	96(29.1)	363(45.8)	
IV	Private	44(45.8)	56(59.0)	41(73.3)	42(91.3)	143(45.9)	326(54.0)	838(51.8)
	Public	66(38.8)	73(47.3)	99(76.7)	67(85.9)	207(42.7)	512(50.4)	
V	Private	14(50.1)	15(44.1)	30(85.8)	23(88.5)	55(25.6)	137(40.5)	536(50.4)
	Public	40(44.9)	46(44.2)	50(92.7)	38(90.5)	225(51.6)	399(55.0)	
VI	Private	78(48.5)	47(23.5)	71(47.6)	45(54.2)	212(39.2)	453(40.0)	1708(43.0)
	Public	427(59.1)	225(45.1)	177(58.0)	154(73.7)	272(24.6)	1255(44.2)	
VII	Private	16(12.6)	148(73.3)	153(76.1)	155(84.3)	212(44.5)	684(57.5)	1478(53.6)
	Public	161(62.0)	142(45.5)	155(79.0)	64(67.4)	272(38.6)	794(50.6)	
VIII	Private	16(50.0)	12(37.5)	21(77.8)	13(72.2)	69(58.5)	131(57.7)	470(54.6)
	Public	44(38.3)	51(50.1)	49(76.6)	36(78.2)	159(51.8)	339(53.5)	
IX	Private	11(31.5)	20(60.6)	18(72.0)	8(88.9)	94(60.7)	151(58.8)	421(47.0)
	Public	63(48.1)	52(62.0)	44(68.8)	29(78.4)	82(25.4)	270(42.3)	
X	Private	3(27.3)	10(47.7)	8(100.0)	5(83.3)	37(55.2)	63(55.8)	120(49.6)
	Public	8(32.0)	8(50.1)	6(66.7)	11(100.0)	24(35.3)	57(44.2)	
XI	Private	75(51.8)	10(47.7)	96(72.7)	108(77.7)	162(47.7)	451(58.0)	977(59.2)
	Public	79(50.7)	8(50.1)	63(75.0)	78(90.7)	298(56.2)	526(60.2)	
XII	Private	28(53.8)	79(62.7)	21(63.7)	21(70.0)	17(34.0)	166(57.0)	362(53.3)
	Public	32(59.4)	62(53.0)	19(67.8)	17(62.9)	66(40.7)	196(50.5)	
All Regions	Private	451(42.1)	544(48.5)	635(65.0)	540(71.9)	1384(40.4)	3554(48.4)	
	Public	1156(48.1)	917(46.8)	934(69.8)	720(77.5)	2176(37.2)	5903(47.3)	
Total		1607(46.2)	1461(47.4)	1569(67.8)	1260(75.0)	3560(38.4)	9457(47.7)	9457(47.7)

Supplement-2 ISMED Training Experience (1986)

Program	Inclusive Dates	Kinds of Participants	Number of Participants	Funding Agency	Main Objectives
Packaged Courses					
1. Seminar for Science and Mathematics Supervisors at the Secondary Level	April 21- May 23	Secondary Science & Mathematics Supervisors	149	NSFA	To increase comprehension of selected concepts and develop awareness of new approaches and strategies in science and mathematics teaching.
2. Materials and Techniques for Effective Teaching of Elementary Mathematics	July 1-29	Elementary Math School Teachers	20	DECS	To upgrade content and techniques in the effective use of instructional materials.
3. Secondary Mathematics Education	Aug. 5- Sept. 1	Secondary School Math Teachers	16	DECS	To increase knowledge and competence in teaching High School Mathematics III and IV.
4. The Teaching of Science and Technology I	Nov. 3-28	Secondary School Science Teachers	15	DECS	To develop skills in preparing and teaching lessons in Science and Technology I and upgrade comprehension of science concepts.
5. Workshop on Equipment Improvement for College Physics Instructors	April 1- 11	Tertiary Level Physics Instructors	16	NSFA	To develop skills in the construction/ assembling/operation and use in classroom teaching of improvised equipment.
6. Try-out Training for the New Curriculum in Science and Technology II	May 26- June 7	Secondary Biology Teachers	75	DECS	To become informed of the thrusts of the new Science and Technology II Curriculum.

Program	Inclusive Dates	Kinds of Participants	Number of Participants	Funding Agency	Main Objectives
Minicourses					
1. Development and Utilization of Teaching Devices for the Study of Waves	May 12-16	Secondary Level Physics Teachers	13	individual fees	To construct/improvise teaching devices for the study of wave motion and learn how to use these devices in teaching.
2. Production of Transparencies and Effective Use of the Overhead Projector	May 26-30	Secondary Level Teachers	9	individual fees	To produce transparencies and use them effectively in teaching.
3. Introduction of Lasers and Fiber Optics	July 19, 26 Aug. 2, 9, 16, 23	High School Physics Teachers	14	individual fees	To develop essential knowledge about the fundamental properties and practical application of lasers and fiber optics.
4. Science Instrumentation Course for High School Teachers	Aug. 16, 23 30, Sept. 6	High School Science Teachers	12	individual fees	To develop skills in constructing/ assembling some laboratory equipment/devices using recycled materials.
5. Training on Video Production	Sept. 2-13	School Technicians	3	fees paid by respective schools	To introduce techniques in video production
6. Microcomputers in Chemistry Teaching	Sept. 13, 20, 27 Oct. 4, 11 18	High School Chemistry Teachers	12	individual fees	To learn to integrate prepared software into the teaching of some chemistry topics.

Program	Inclusive Dates	Kinds of Participants	Number of Participants	Funding Agency	Main Objectives
7. Electronics for Physics Teachers	Sept. 20, 27 Oct. 4	High School Physics Teachers	16	Pundasyon	To identify and explain the functions of electromagnets, diodes, transformers, and inductors.
8. Development and Use of Low Cost Equipment for Elementary Science Teaching	Oct. 4, 11 18	Science coordinators, head teachers and high school teachers	17	Pundasyon	To develop skills in constructing/assembling low cost equipment for use in elementary science.
9. Quantitative Aspects in Chemistry	Oct. 20-24	High School Chemistry Teachers	31	Pundasyon	To develop skills in the use of the problem-solving approach in Chemistry teaching.
10. Microcomputers in Mathematics Teaching	Nov. 8, 15, 22, 29 Dec. 3	High School Math Teachers	4	individual fees	To develop competencies in using the computer as a teaching aid in Mathematics.
Seminars/Workshops/Convention					
1. Association of Asian Biology Teachers (AABE)	Dec. 1-5	Secondary & Tertiary Biology Teachers	160	UNESCO AABE funds	To keep abreast of new developments in biology education and biological research.
2. Regional Conference on Micro-computers in Physics Education	Aug. 20-22	Physics Educators from 12 Asia-Pacific countries	59 ASPEN	UNESCO ROSTEA) ASPEN ICTP and NSTA	External Agency
3. Workshop on the Training of Physics Teachers	Nov. 15-29	Physics Educators from 13 Asia-Pacific countries	15	UNESCO	
4. Development of Exemplar "Science for all" Teaching/Learning Units for Primary Level	Jun. 2- Apr. 30	Primary School Science Teachers	12	UNESCO	To develop skills in writing teaching units for primary school science.

Supplement-3 Memorandum of Agreement

MEMORANDUM OF AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

This Memorandum of Agreement, made and entered into this 21st day of October 1987 by and among

The Department of Education, Culture and Sports represented herein by Secretary Lourdes Quisumbing, with principal office at Palacio del Gobernador, Intramuros, Manila, hereinafter referred to as DECS

and

The Department of Science and Technology, represented herein by Secretary Antonio V. Arizabal, with principal office at General Santos Avenue, Bicutan, Taguig, Metro Manila, hereinafter referred to as DOST

and

The University of the Philippines System, represented herein by President Jose V. Abueva with principal office at Diliman, Quezon City, hereinafter referred to as UPS.

WITNESSETH

WHEREAS, the Science Education Development Plan of the Philippines formulated jointly by DECS and DOST (formerly, NSTA) brings out the need for upgrading competencies of science and mathematics teachers.

L. Quisumbing
LOURDES R. QUISUMBING
Department of Education, Culture & Sports

A. Arizabal
ANTONIO V. ARIZABAL
Department of Science and Technology

J. V. Abueva
JOSE V. ABUEVA
University of the Philippines System

L. Quisumbing

E. B. Ogena
ESTER B. OGENA

[Signature]

L. Quinsime

LOURDES P. QUINSIME
Department of Education, Culture & Sports

WHEREAS, the DOST in pursuit of its objectives to develop and implement, together with other entities concerned, programs for strengthening scientific and technological capabilities through manpower training and through infrastructure and institution building and rationalization.

WHEREAS, the DOST through its Science Education Institute is empowered to formulate plans and establish programs and projects for the promotion and development of science and technology education and training in coordination with DECS and other institutions of learning in the field of science and technology.

WHEREAS, the UPS, through its Institute for Science and Mathematics Education Development in spearheading science education in the Philippines has the necessary expertise and capabilities.

WHEREAS, DECS authorizes the improvement of curricular programs and the quality of instruction through training and re-training of teachers.

WHEREAS, the government of the Philippines in consideration of all the above premises has submitted the National Learning Resource Center for Teacher Training in Science and Mathematics project, hereinafter referred to as the PROJECT, to the government of Japan for financial assistance.

AK

ANTONIO V. ARIZABAL
Department of Science and Technology

Jose V. Abueva

JOSE V. ABUEVA
University of the Philippines System

Abueva

Arizabal

Abueva

L. Quiambing

LOUISES R. QUIAMBEING
Department of Education, Culture & Sports

A. Arizabal

ANTONIO V. ARIZABAL
Department of Science and Technology

Jose V. Abeva

JOSE V. ABEVA
University of the Philippines System

Now, therefore, for and in consideration of the foregoing the parties hereby agree as follows:

I. Establishment of a Steering and a Coordinating Committee for the Project

1. The Steering Committee shall be composed of the Secretary, DECS, Secretary, DOST and the President, UPS and shall be chaired by the DECS Secretary.
2. The Coordinating Committee shall consist of the following:
 - a. Undersecretary for Programs and Projects, DECS - Chairman
 - b. Undersecretary, DOST - Co-Chairman
 - c. Undersecretary for Foreign Assisted Programs, DECS - Vice-Chairman
 - d. Director, INNOTECH - Member
 - e. Director, ISMED-UP - Member
 - f. Director, BHE-DECS - Member
 - g. Director, BSE-DECS - Member
 - h. Director, BEE-DECS - Member
 - i. Dean, College of Education University of the Philippines - Member
 - j. UP-ISMED Staff - Secretary

II. Roles and Responsibilities

A. The Steering Committee

1. Lays down policies and procedures for promoting coordination among the concerned agencies and institutions
2. Promotes cooperation among parties involved in teacher training as well as with other educational bodies and institutions.
3. Monitors and evaluates the project
4. Reviews the reports of the Coordinating Committee

Quiambing

Arizabal

Abeva

Jose V. Abueva
JOSE V. ABUEVA
University of the Philippines System

Antonio V. Arizabal
ANTONIO V. ARIZABAL
Department of Science and Technology

Loudes R. Quisumbing
LOUDES R. QUISEMBING
Department of Education, Culture & Sports

B. The Coordinating/Management Committee

1. Provides the implementing guidelines for the various activities of the project in accordance with the policies set forth by the steering committee
2. Evolves a 5-year plan of action
3. Conducts discussions with the Japanese Missions dispatched by Japanese government
4. Sees to the implementation of planned programs for the full utilization of the center
5. Coordinates, monitors and evaluates the various activities of the project
6. Reports to Steering Committee matters related to project
7. Performs other functions assigned by the Steering Committee.

C. The Department of Education, Culture and Sports

1. Selects participants (teacher leaders, supervisors, science educators) for the training programs at the NLRCTT
2. Provides financial support to the public sector participants (salary, travel, allowance) for national and regional programs
3. Follows up participants
4. Conducts in service programs at the division and school levels.

L. R. Quinsamang

LOURDES R. QUINSAMANG
Department of Education, Culture & Sports

A. V. Arizabal

ANTONIO V. ARIZABAL
Department of Science and Technology

J. V. Abueva

JOSE V. ABUEVA
University of the Philippines System

D. The DOST Through Institute of Science Education

1. Provides funding to national training programs at the NLRCCT (cost of training and related financial support -- per diem, book allowance)
2. Provides financial support to the training program in the regional centers
3. Monitors the programs
4. Provides science and technology policy inputs into the program.

Arizabal

E. The UP Diliman Campus Through ISMED and College of Education:

1. Provides a site for the PROJECT
2. Provides financial support for MOE and personnel services of the project
3. ISMED director is manager of the day-to-day operations of the project, accountable to the Coordinating/Management Committee
4. ISMED provides secretariat support to project
5. ISMED implements/conducts the training programs at the Center
6. ISMED takes responsibility for initiating/organizing new science/science education courses for teachers which are lab/activity oriented, in collaboration with science specialists
7. ISMED shares its expertise and resources with the public and larger number of teachers by conducting activities/ programs designed for public education, upgrading teaching competencies of teachers and their knowledge and understanding of subject matter
8. College of Education participates in the design, conduct and accreditation of courses.

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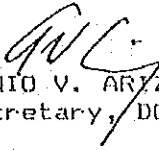
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III. Effectivity

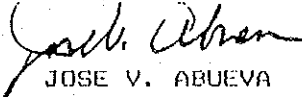
This agreement shall take effect immediately upon execution hereof and shall continue to be in force until the completion of the PROJECT unless otherwise revised or terminated upon consent of parties involved.

Antonio

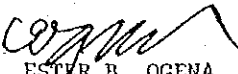
In witness hereof, the parties hereto have hereby affixed their signature on date and place, first above written.


ANTONIO V. ARIZABAL
Secretary, DOST



LOURDES R. QUISUMBING
Secretary, DECS


JOSE V. ABUEVA
President, UPS

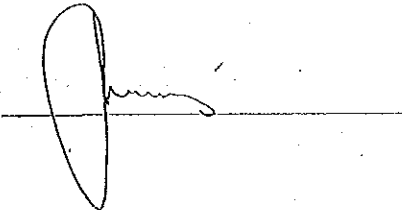
Witnesses:



ESTER B. OGENA



ANTONIO C. SANTOS



REPUBLIC OF THE PHILIPPINES)
) S. S.
QUEZON CITY)

ACKNOWLEDGEMENT

BEFORE ME, the undersigned Notary Public for and in Quezon City on this 21 day of OCT 21 1987, 1987 personally appeared LOURDES R. QUISUMBING in her capacity as Secretary of the Department of Education, Culture and Sports, exhibiting to me her Residence Certificate No. 55568 G, issued at Quezon City on February 18, 1987, ANTONIO V. ARIZABAL in his capacity as Secretary of the Department of Science and Technology, exhibiting to me his Residence Certificate No. 7012928 F, issued at Pasig, Metro Mla on March 5, 1987, and JOSE V. ABUEVA in his capacity as President of the University of the Philippines System, exhibiting to me his Residence Certificate No. 3938338 G, issued at Quezon City on October 5, 1987, all three of whom are known to me and to me known to be the same persons who executed this foregoing Memorandum of Agreement consisting of 7 pages including this acknowledgement and acknowledged the same as their free and voluntary act and deed and that of their principals referred hereto.

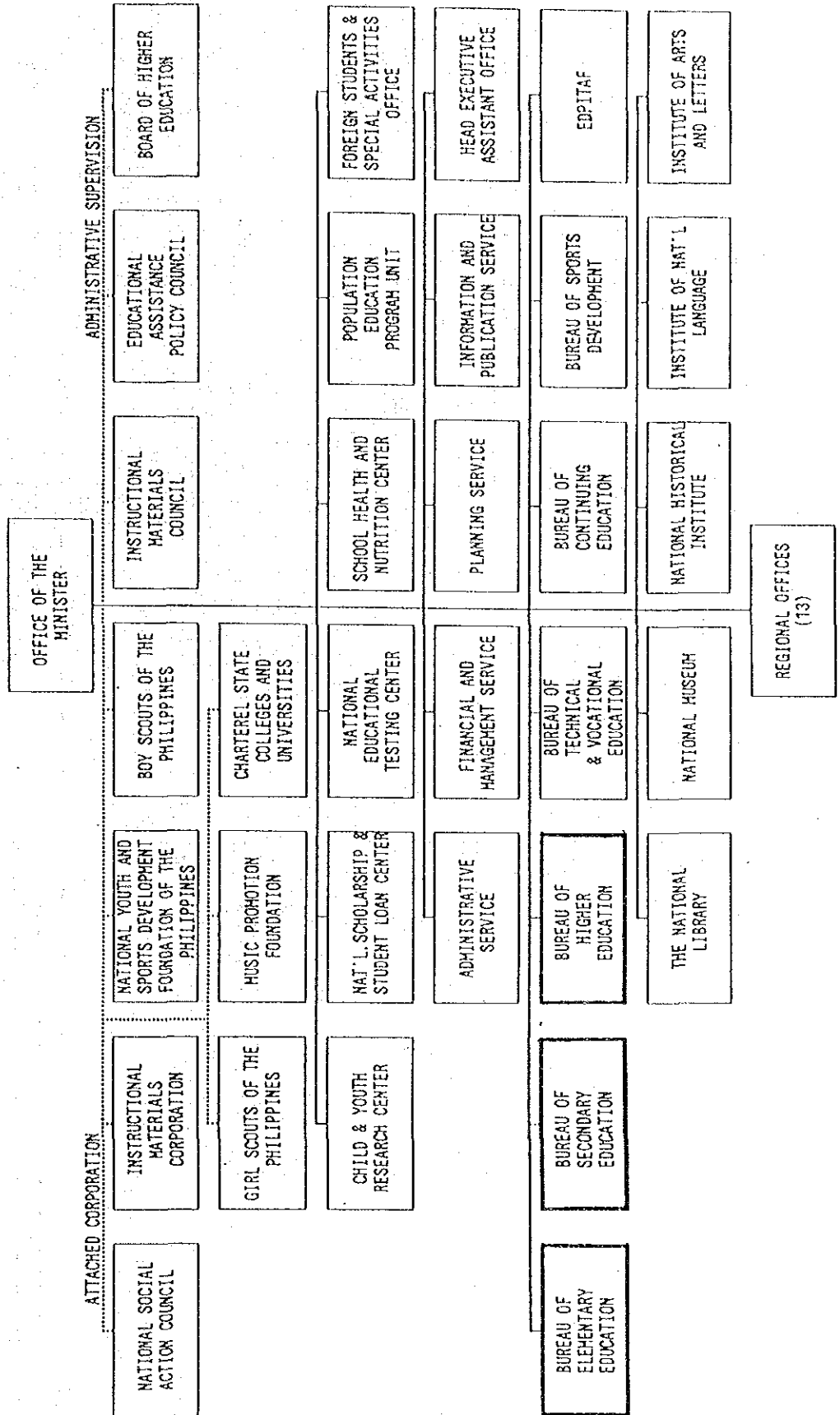
IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed my notarial seal at Quezon City, Philippines, on this 21 day of OCT 21 1987, 1987.

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Book No. EXVIII
Series of 1987.

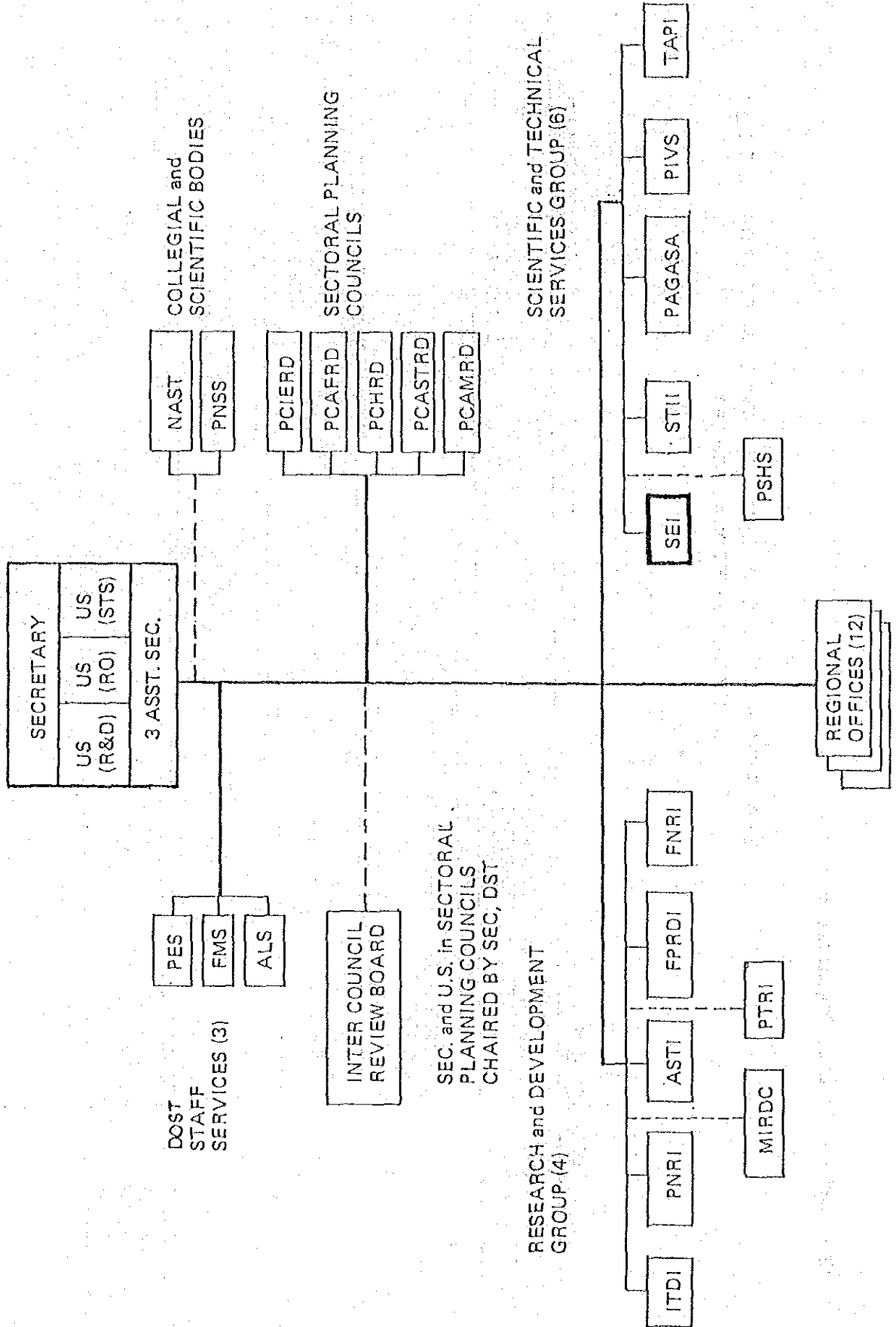
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DOMED C. CRUZ
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JAN. 2, 1987
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Supplement-4 Related Organization Chart

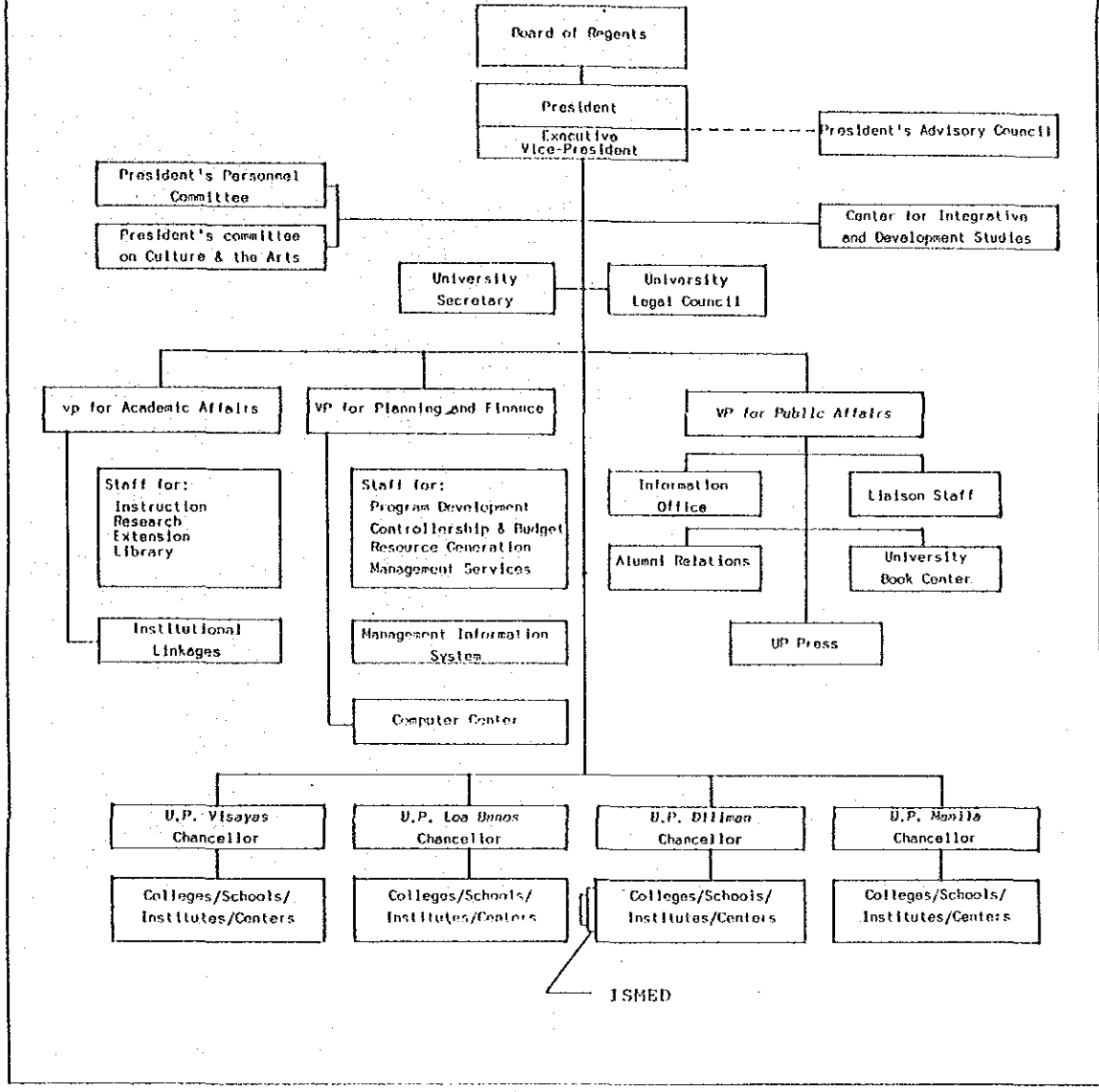
DEPARTMENT OF EDUCATION, CULTURE & SPORTS (DECS)
ORGANIZATIONAL CHART



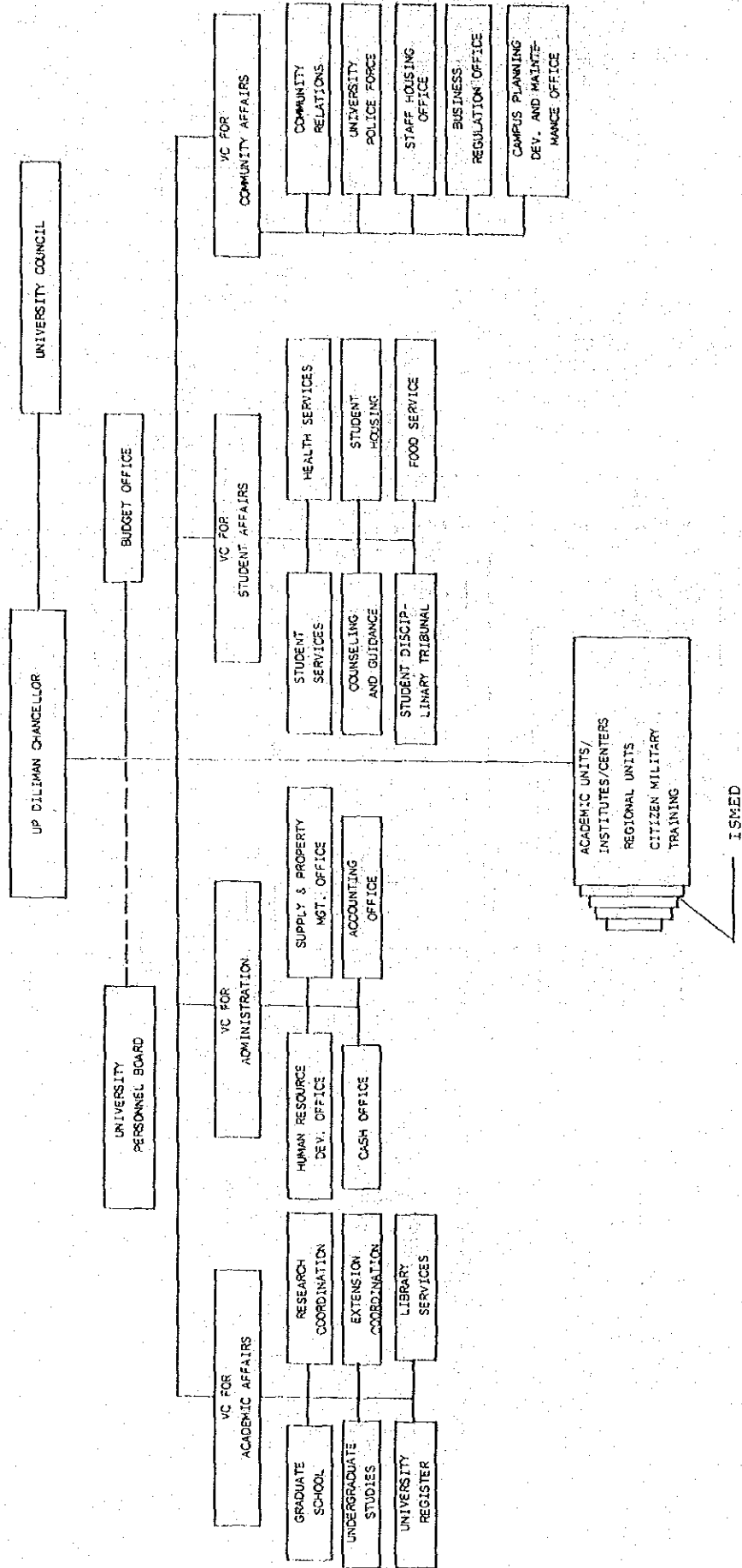
DEPARTMENT OF SCIENCE & TECHNOLOGY (DOST)
 ORGANIZATIONAL CHART
 (E.O. 128, 30 JANUARY 1987)



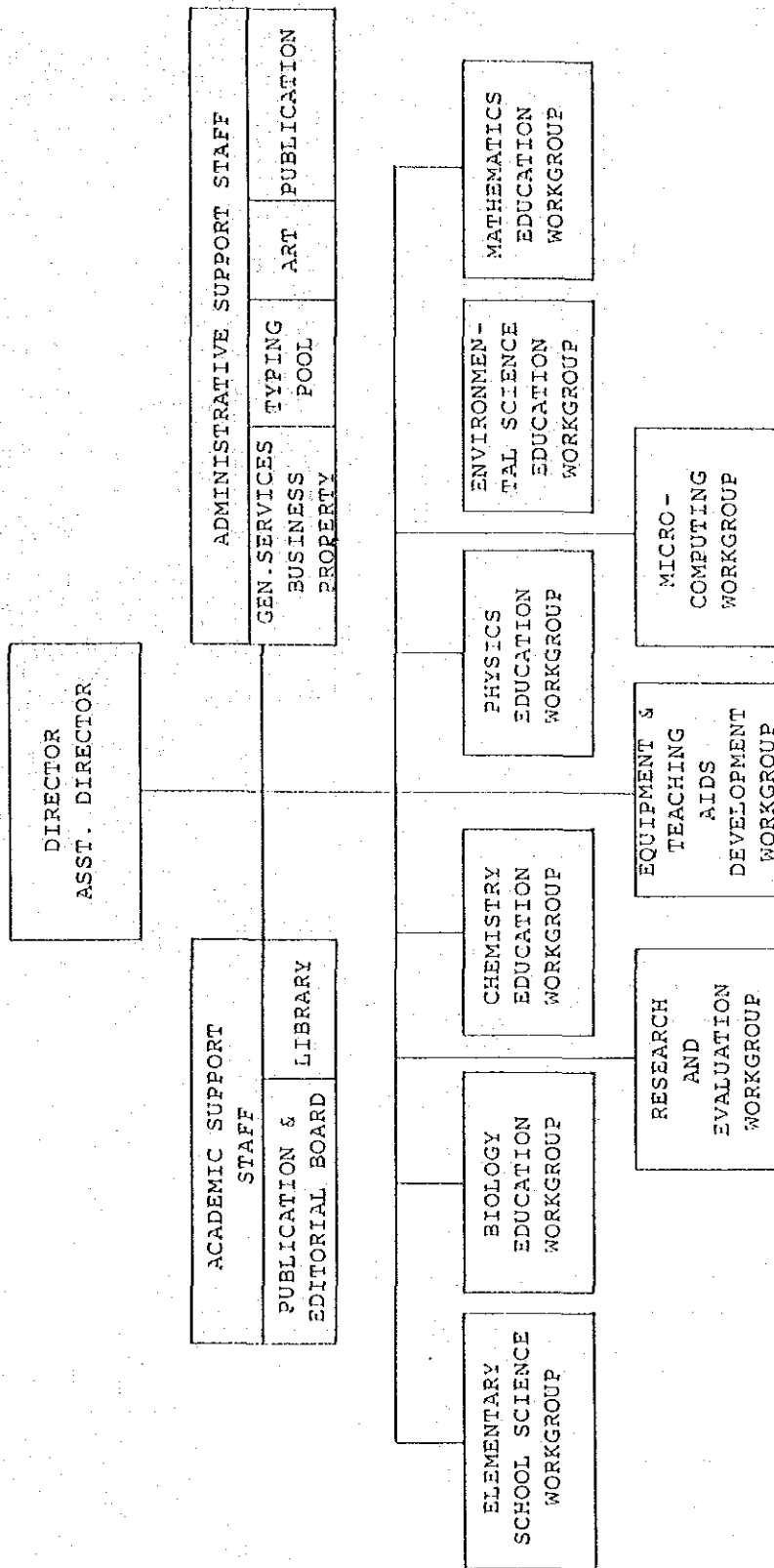
UNIVERSITY OF THE PHILIPPINES SYSTEM (U P S)
Organizational Chart



ORGANIZATIONAL CHART OF THE U.P. DILLIMAN

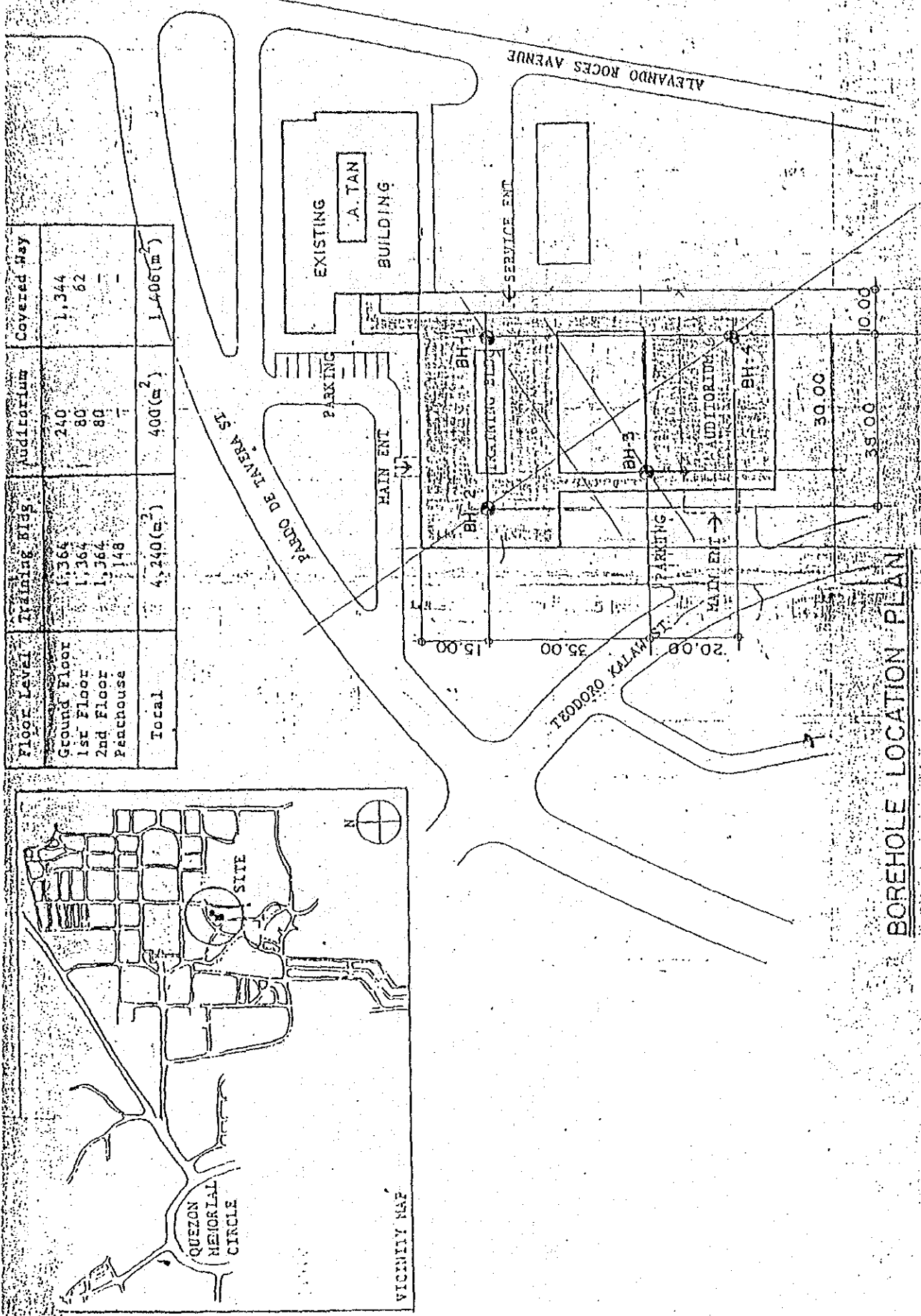


INTERNATIONAL ORGANIZATION OF ISMED



The Research and Evaluation Workgroup, the Equipment and Teaching Aids Development (ETAD) Workgroup, and the Microcomputing Workgroup actually cut across all the other workgroups.

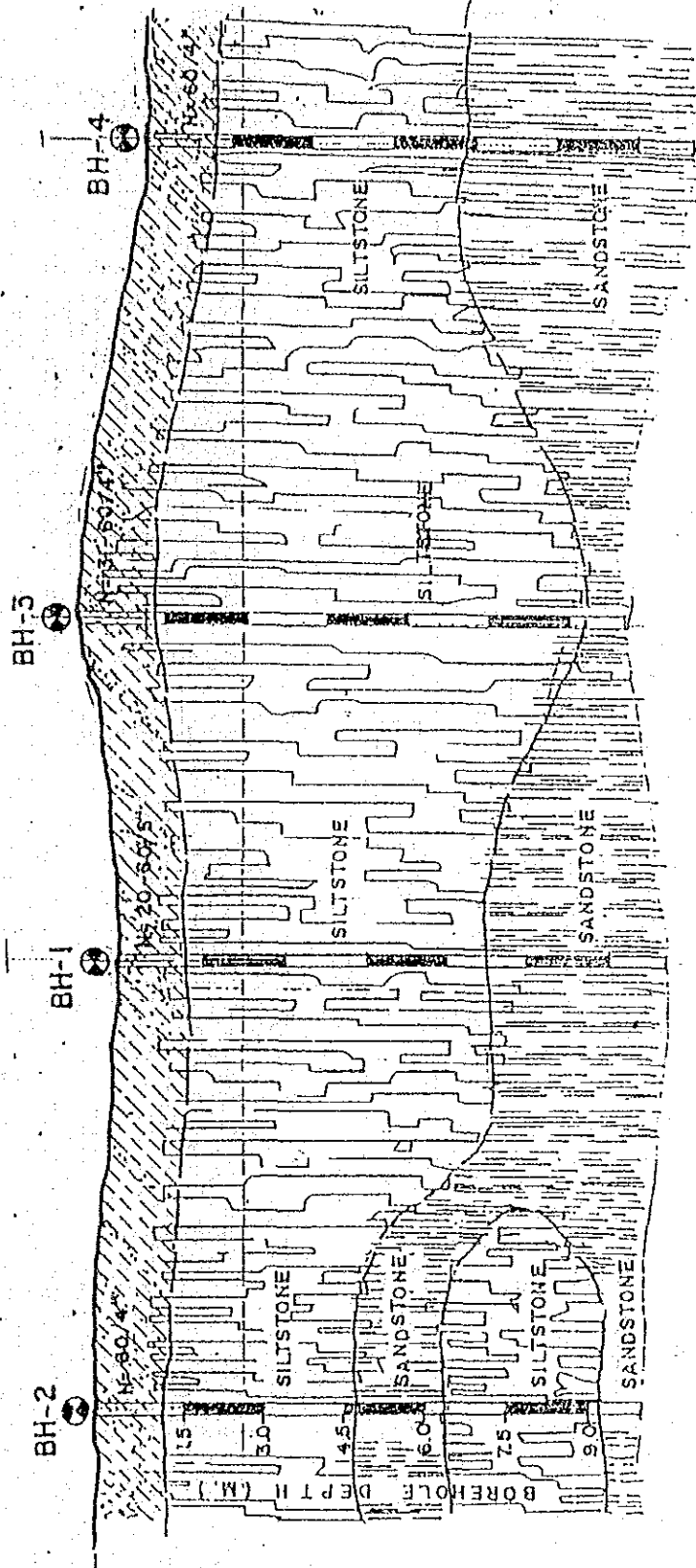
Supplement-5 Boring Data



Floor Level	Training Halls	Auditorium	Covered Way
Ground Floor	1,364	240	1,344
1st Floor	1,364	80	62
2nd Floor	1,364	80	-
Penthouse	148	-	-
Total	4,240(m ²)	400(m ²)	1,406(m ²)

BOREHOLE LOCATION PLAN

SOIL PROFILE



BORING LOG

PROJECT		INSTITUTE OF SCIENCE & MATHEMATICS EDUCATIONAL DEVELOPMENT		JOB NO.				
LOCATION		UP DILIMAN, QUEZON CITY		BOREHOLE NO. BH-1 SHT. 1 OF 1				
DEPTH (M)	SAMPLE DESCRIPTION	LOG	CONSISTENCY	U.C.S. SYMBOL	ACT. REC. - N-BLOWS R Q D - 20 40 60 80 100 %	WATER CONTENT PL NMC LL 20 40 60 80 100 %	P.I.	OTHER TEST RESULT
0	(SS-1) light gray silty SAND with fragments of SILTSTONE inclusion		VERY SM DENSE		N# 20-60/5 ^m			
1	(CS-1) light gray weakly cemented SILTSTONE (Rec: 150/53/0 cm)		CORING START @ 1.50 M (N)					WATER LEVEL W/O CASING AT 2.30 M.
2	(CS-2) Same Formation (Rec: 150/27/0 cm)							
3	(CS-3) Same Formation (Rec: 150/57/20 cm)							
4	(CS-4) brown slightly cemented SILTSTONE to brown slightly weathered tuffaceous SANDSTONE (Rec: 150/126/79 cm)							
5	(CS-5) Brown to gray highly weathered tuffaceous SANDSTONE (Rec: 150/24/10 cm)							
6	(CS-6) gray highly weathered tuffaceous SANDSTONE (Rec: 100/16/0 cm)							
7								
8								
9								
10								

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BORING LOG

PROJECT <u>INSTITUTE OF SCIENCE & MATHEMATICS EDUCATIONAL DEVELOPMENT</u>									
LOCATION <u>UP DILIMAN, QUEZON CITY</u> BOREHOLE NO. <u>BH-2</u> SHT. <u>1</u> OF <u>1</u>									
DEPTH (M)	SAMPLE DESCRIPTION	LOG	CONSISTENCY	U.C.S. SYMBOL	ACT. REC. N-BLOWS ▲ - R Q D	WATER CONTENT			OTHER TEST RESULT
						PL	NMC	LL	
					20 40 60 80 100 %	20 40 60 80 100 %			
0									
1	(SS-1) gray sandy SILT with fragments of SILTSTONE		VERY DENSE SM	SM	NE 60/4				
2	(CS-1) light gray slightly cemented SILTSTONE (Rec: 150/112/108 cm)	X (CORING STAKE @ 1.50 M)							WATER LEVEL W/O CASE AT 2.80 M.
3	(CS-2) light gray well cemented SILTSTONE (Rec: 150/150/150 cm)								
4	(CS-3) gray well cemented SILTSTONE to light brown slightly weathered SANDSTONE (Rec: 150/150/110 cm)								
5	(CS-4) light brown to light gray highly weathered SILTSTONE (Rec: 150/29/0 cm)								
6	(CS-5) Light gray slightly cemented SILTSTONE (Rec: 150/60/0 cm)								
7	(CS-6) light gray SILTSTONE to brown to gray highly weathered SANDSTONE (Rec: 100/30/0 cm)								
8									
9									
10									

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BORING LOG

PROJECT INSTITUTE OF SCIENCE & MATHEMATICS EDUCATIONAL DEVELOPMENT									
LOCATION UP DILIMAN, QUEZON CITY		BOREHOLE NO. BH-3 SHT. 1 OF 1							
DEPTH (M)	SAMPLE DESCRIPTION	LOG	CONSISTENCY	U.C.S. SYMBOL	WATER CONTENT			R.I.	OTHER TEST RESULT
					PL	NMC	LL		
					20 40 60 80 100 %	20 40 60 80 100 %			
0									
1	(SS-1) light gray sandy SILT with fragments of SILTSTONE inclusion		VERY SM DENS		N=31-60/4				
2	(CS-1) light gray well cemented SILTSTONE		(CORING START @ 1.50 M.)						
3	(Rec: 150/150/139 cm)								WATER LEVEL W/O CASING AT 3.00M.
4	(CS-2) light gray slightly cemented SILTSTONE								
5	(Rec: 150/111/9.6 cm)								
6	(CS-3) light gray slightly cemented SILTSTONE								
7	(Rec: 150/150/112 cm)								
8	(CS-4) light brown (slightly cemented) SILTSTONE								
9	(Rec : 150/87/70 cm)								
10	(CS-5) Same Formation (Rec: 150 / 96/ 88 cm)								
11	(CS-6) Same Formation (Rec: 100/38/27 cm)								

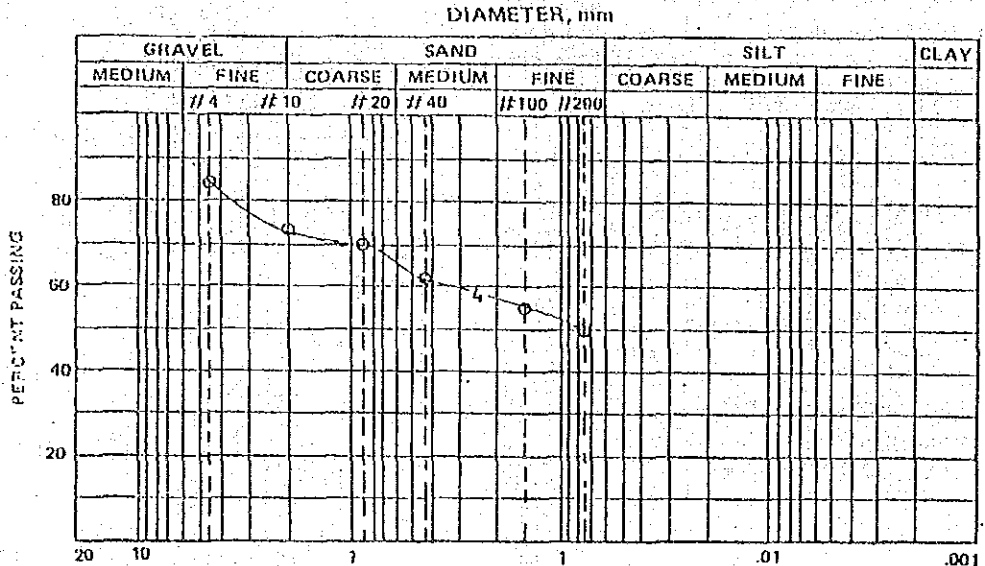
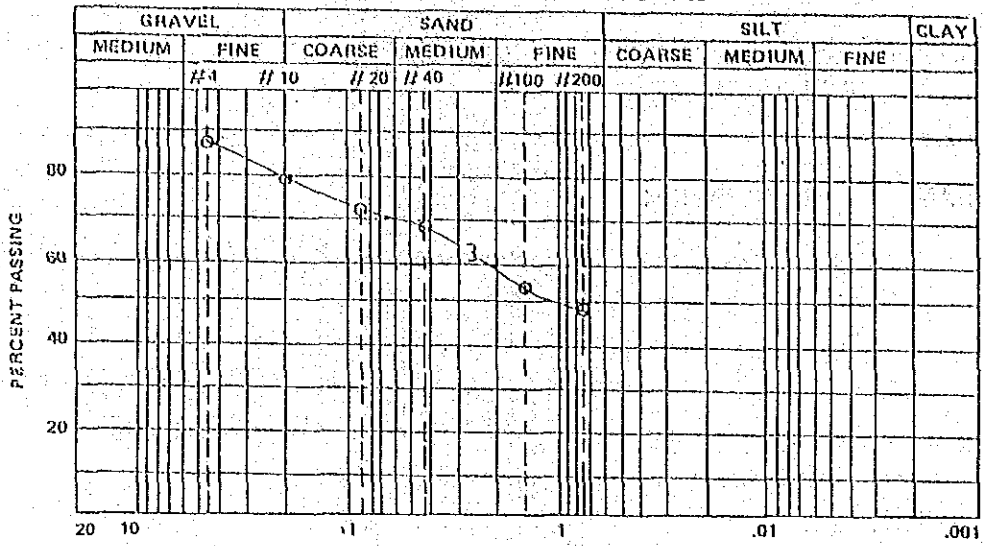
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BORING LOG

PROJECT		INSTITUTE OF SCIENCE & MATHEMATICS EDUCATIONAL DEVELOPMENT						
LOCATION		UP DILIMAN, QUEZON CITY						
		BOREHOLE NO. BH-4 SHT. 1 OF 1						
DEPTH (M.)	SAMPLE DESCRIPTION	LOG	CONSISTENCY	U.C.S. SYMBOL	ACT. REC. N-BLOWS ▲ - R Q D	WATER CONTENT PL NMC LL	P.I.	OTHER TEST RESULT
					20 40 60 80 100 %	20 40 60 80 100 %		
0								
1	(SS-1) light gray sandy SILT with fragments of SILTSTONE inclusions		VERY DENSE	SM	N = 60/3			WATER LEVEL W/O CASING
2	(CS-1) light gray slightly cemented SILTSTONE							1.70 M.
3	(Rec : 150/116/96 cm)							
4	(CS-2) light gray weakly cemented SILTSTONE							
5	(Rec: 150/30/17 cm)							
6	(CS-3) light brown slightly cemented SILTSTONE to brown SANDSTONE							
7	(Rec : 150/ 87/ 47 cm)							$q_u = 56.40 \text{ kg/cm}^2$
8	(CS-4) light brown slightly cemented SANDSTONE							
9	(Rec : 150/80/70 cm)							
10	(CS-5) light brown highly weathered tuffaceous SANDSTONE							
	(Rec : 150/68/35 cm)							
	(CS-6) Same Formation							
	(Rec : 100 /54/27 cm)							

10428

GRAIN-SIZE DISTRIBUTION CURVES



DH NO.	SAMPLE NO.	DEPTH	CURVE NO.	NMC	LL	PL	PI	U.C.S. CLASS	DESCRIPTION
3	SS-1	1.00	3	43	-	-	-	SM	
4	SS-1	1.00	4	42	-	-	-	SM	

ASIA SOILTEST, INC.

6 SCT. DE GUIA ST. QUEZON CITY

Job No. _____

PROJECT: UP ISMED Borehole/Sample No. BH-2, CS-1 Date Sampled: 11-04-86

Contract No. _____ Depth: 1.50 - 3.00 M. Date Tested: 11-04-86

Location: Diliman, Quezon City Tested By: PM/JS Date Finished: 11-04-86

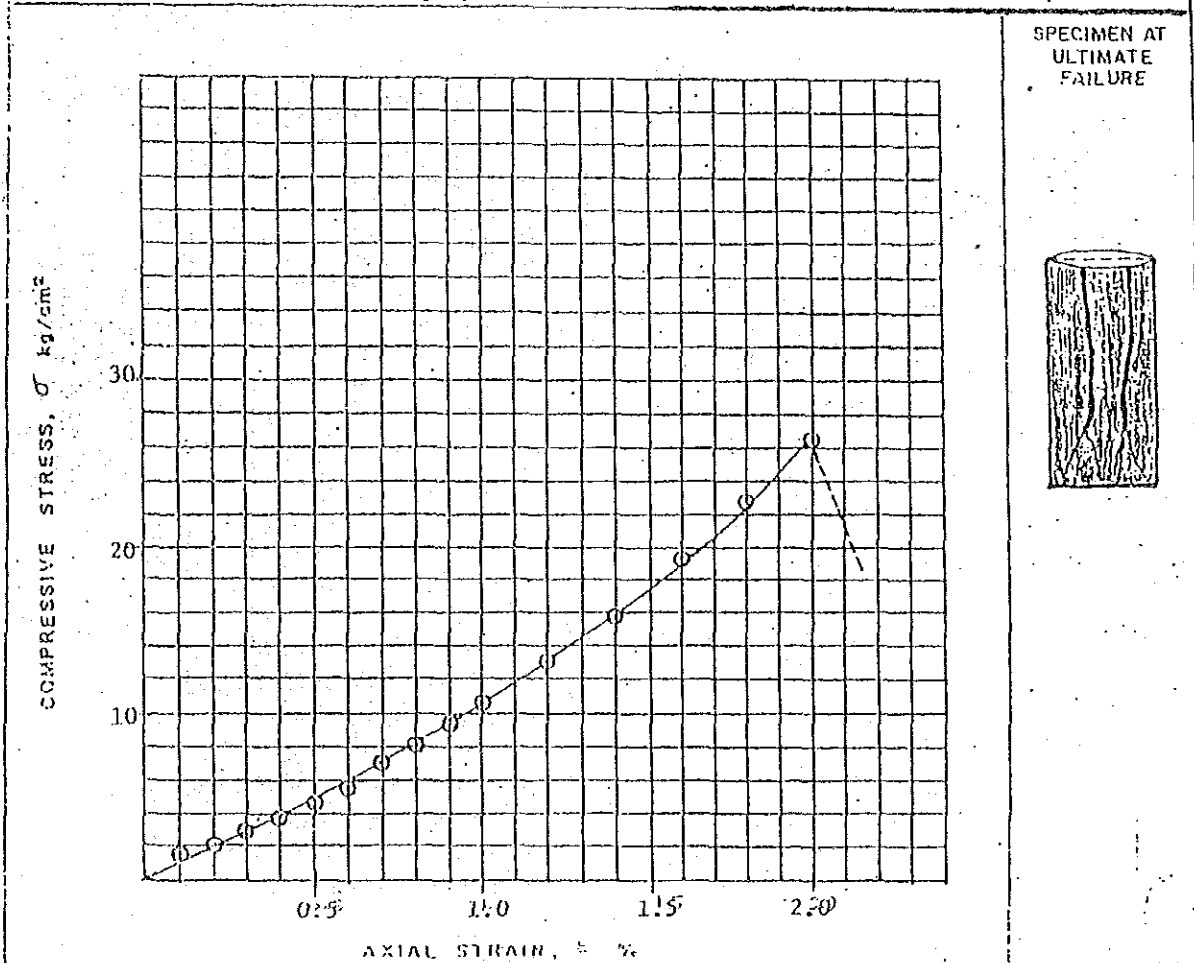
UNCONFINED COMPRESSION TEST REPORT

SPECIMEN NO.	SPECIMEN CONDITION	DIMENSION of SPECIMEN		MOISTURE CONTENT W (%)	WET DENSITY γ_t (g/cm ³)	UNCONFINED COMPRESSIVE STRENGTH q_u (kg/cm ²)	FAILURE STRAIN ϵ (%)	SENSITIVITY RATIO S_r
		HEIGHT H (cm)	DIAMETER ϕ (cm)					
1	CS	11.40	5.0		1.6672	26.36	2.0	

REMARKS:

VISUAL CLASSIFICATION:

Brownish gray siltstone



ASIA SOLTEST, INC.

6 SCT. DE GUIA ST. QUEZON CITY

Job No. _____

PROJECT: UP USMED Borehole/Sample No. M1-3, CS-2 Date Sampled: 11-04-86

Contract No. _____ Depth: 3.00 - 4.50 M. Date Tested: 11-04-86

Location: Diliman, Quezon City Tested By: PM/JS Date Finished: 11-04-86

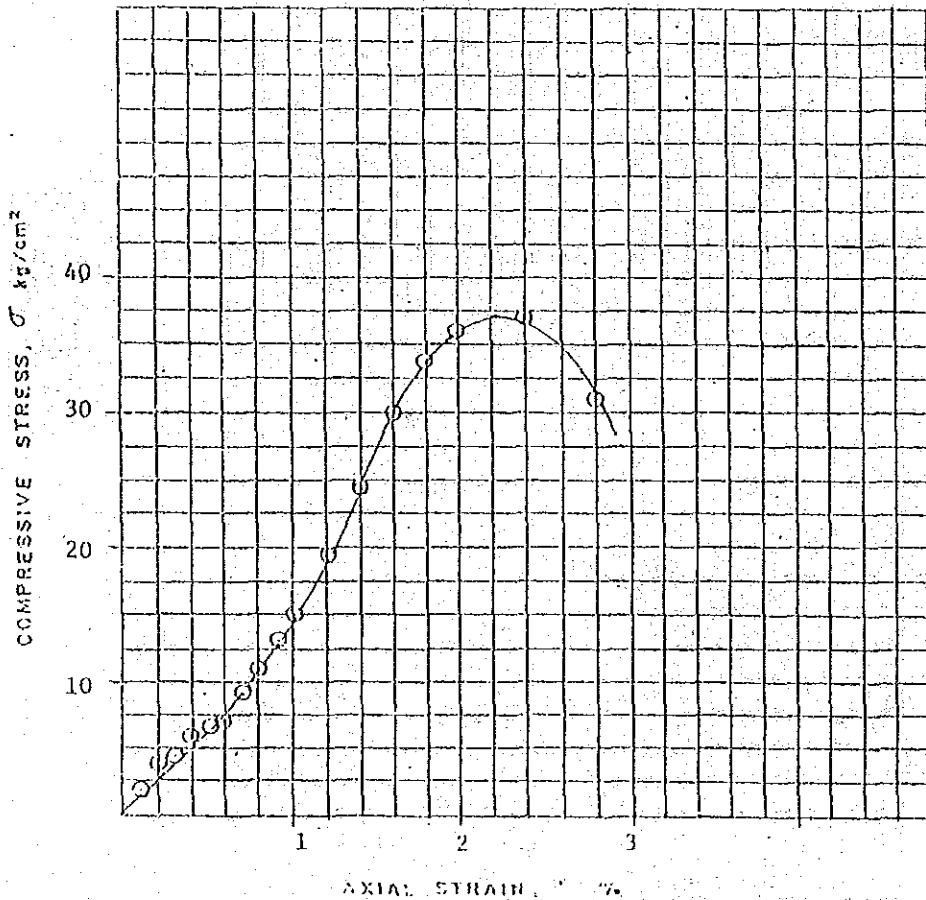
UNCONFINED COMPRESSION TEST REPORT

SPECIMEN NO.	SPECIMEN CONDITION	DIMENSION of SPECIMEN		MOISTURE CONTENT W (%)	WET DENSITY γ_t (g/cm ³)	UNCONFINED COMPRESSIVE STRENGTH q_u (kg/cm ²)	FAILURE STRAIN ϵ_f (%)	SENSITIVITY RATIO S_f
		HEIGHT H (cm)	DIAMETER ϕ (cm)					
2	CS	11.50	5.0		1.6829	37.00	4.40	

REMARKS:

VISUAL CLASSIFICATION:

Brownish gray sandstone



SPECIMEN AT ULTIMATE FAILURE



ASIA SOILTEST, INC.

1 SGT. DE GUIL. ST. QUEZON CITY

Job No. _____

PROJECT: DISMED Borehole/Sample No. BH-4, CS-3 Date Sampled: 11-04-86

Contract No. _____ Depth: 4.50-6.00 M. Date Tested: 11-04-86

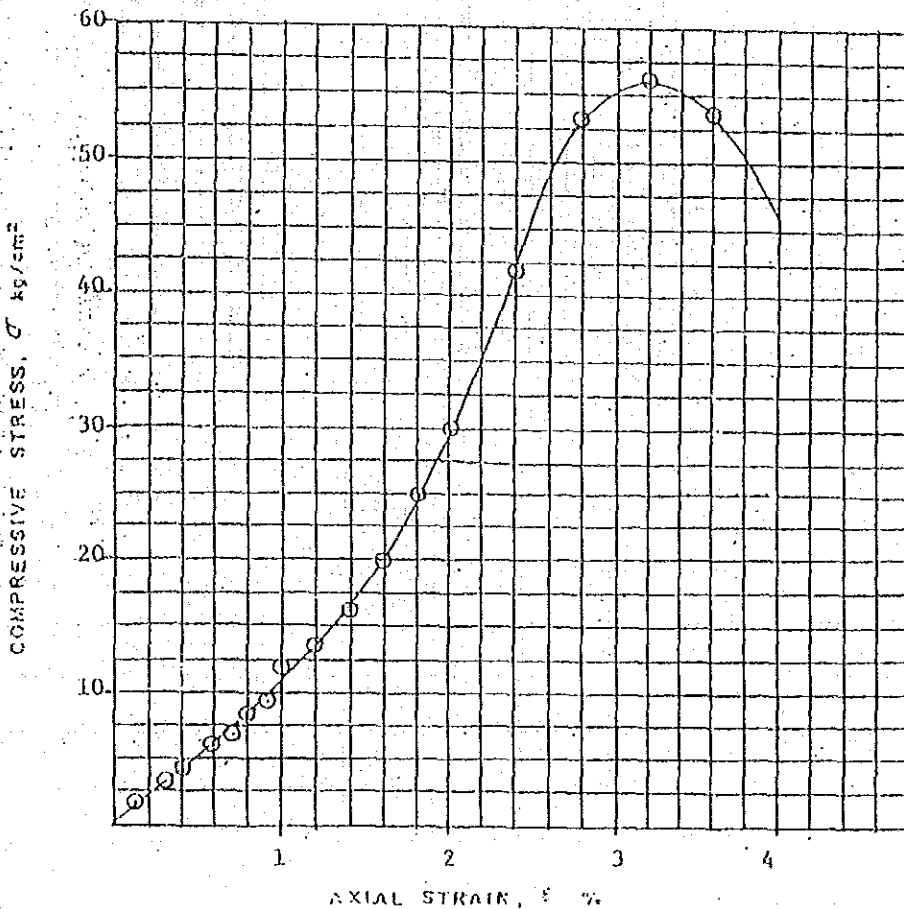
Location: Diliman, Quezon City Tested By: PH/JS Date Finished: 11-04-86

UNCONFINED COMPRESSION TEST REPORT

SPECIMEN NO.	SPECIMEN CONDITION	DIMENSION of SPECIMEN		MOISTURE CONTENT W (%)	WET DENSITY γ_t (g/cm ³)	UNCONFINED COMPRESSIVE STRENGTH q_u (kg/cm ²)	FAILURE STRAIN ϵ (%)	SENSITIVITY RATIO S_r
		HEIGHT H (cm)	DIAMETER ϕ (cm)					
3	CS	11.0	5.0		1.996	56.40	3.2	

REMARKS:

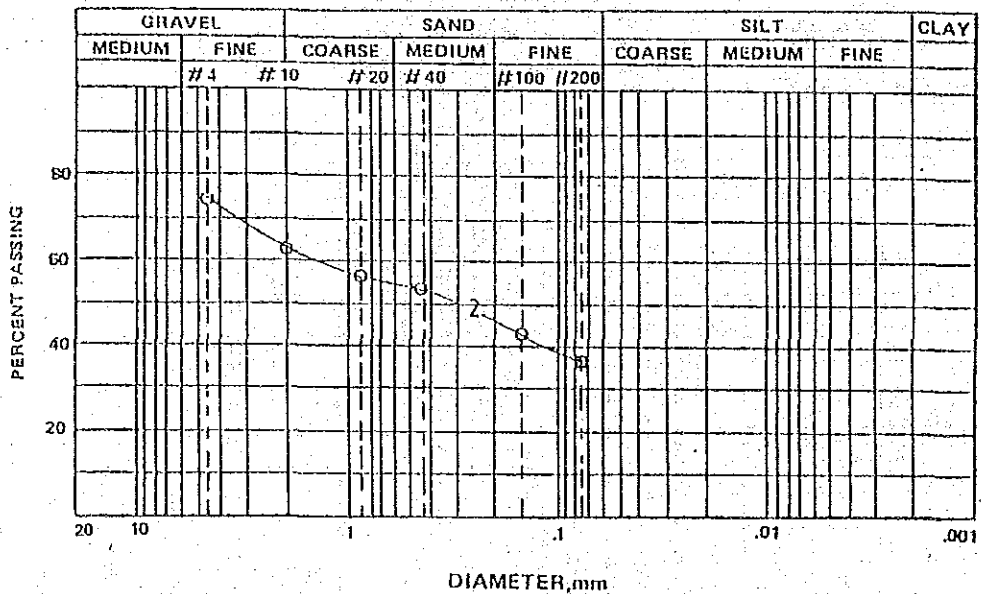
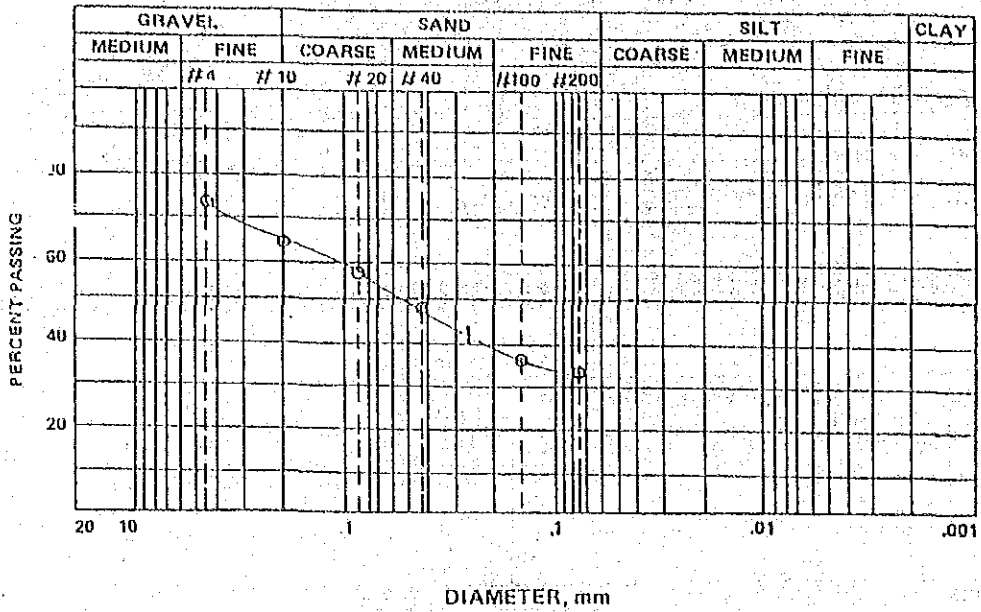
VISUAL CLASSIFICATION: Grayish brown sandstone



SPECIMEN AT ULTIMATE FAILURE



GRAIN-SIZE DISTRIBUTION CURVES



BH NO.	SAMPLE NO.	DEPTH	CURVE NO.	NMC	LL	PL	PI	U.C.S. CLASS	DESCRIPTION
1	SS-1	1.00	1	41	-	-	-	SM	
2	SS-1	1.00	2	38	-	-	-	SM	

