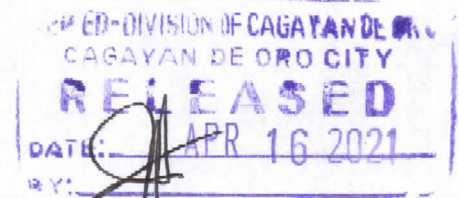




Republic of the Philippines
Department of Education
REGION X
DIVISION OF CAGAYAN DE ORO CITY



April 16, 2021

Division Memorandum
No. 177 s. 2021

2021 CAPACITY DEVELOPMENT FOR PHIVOLCS' STAKEHOLDERS

TO: May Karen B. Amacna	- Carmen NHS	Charity E. Limpag	- Lapasan NHS
Alma P. Mantala	- Puerto NHS	Reineer Navarro	- Pagalungan NHS
Redintor A. Marquez	- Tignapoloan NHS	Marvie Vacalarez	- Iponan NHS
Gene S. Bacan	- Macabalan NHS	Irene Kris Lanterna	- Bonbon NHS
Lloyd Allan L. Cabunoc	- Gusa RSHS	Maria Nikole D. Orcales	- CDONHS
Roxane Paz G. Endab	- City Central School	Benhur M. Paye	- Balulang ES
April Lyn P. Fellsarta	- Iba ES	Roy N. Soriano	- Puerto ES
Stefanie Suelo	- Lower Tignapoloan ES	Joyce Geraldine M. Ocate	- Tagpangi ES
Johny C. Sumaya	- Magayad ES	Jose Luis G. Mag-away III	- St. John ES
Almera N. Elorde	- Consolacion ES	Maria Cecilia G. Labata	- Kauswagan CS
Lloyd T. Saladaga	- Indahag NHS	Kent T. Lodonio	- Macanhan ES
Edgardo A. Taguic	- West CCS	Hermie Dumapias	- Bonbon ES
Naome R. Rosagaran	- Tuburan NHS	Abeto I. Villapaz	- Camansi Integrated Sch
Judith O. Neri	- Bulua Central School	Dexter Sapida	- Man-ai NHS
Jesson Ryan C. Susmiran	- Cugman ES	Ryan L. Lactao	- Macabalan ES

1. You are hereby advised to attend the 2021 Capacity Development for PHIVOLCS' Stakeholders on September 1-23, 2021 via Blended Learning.
2. These activities aim to train teachers on the Science of Volcanoes, Earthquake, and Tsunami, as well as their hazards and mitigation strategies.
3. Attached is the Scheduled Live Sessions and Program of Activities.
4. School Heads are advised to inform the participants on the said activity.
5. For guidance and compliance.

CHERRY MAE L. LIMBACO
Schools Division Superintendent

To be indicated in the Perpetual Index under the following subjects:
K-3 Science and Mathematics Webinar
cid/jsm



Address: Fr. William F. Masterson Avenue, Upper Balulang, Cagayan de Oro City
Telephone: (08822) – 8550048

TRAINING ON COMMUNICATING VOLCANO, EARTQUAKE AND TSUNAMI HAZARDS
SEPTEMBER 1, 8, 15, 22, 2021- 9:00 AM - 11:00 am

	NAME	SCHOOL	DISTRICT	SPECIALIZATION
1	May Karen B. Amacna	Carmen NHS	W1	Science
2	Charly E. Limpag	Lapasan NHS	East 1	General Science
3	Alma P. Mantala	Puerto	East 2	BS Medical Technology
4	Reineer Navarro	Pagalungan NHS	SW1	Mathematics/science
5	Redintor A. Marquez	Tignapoloan NHS	SW2	Applied Physical Science
6	Marvie Vacalarez	Iponan NHS	West2	Science
7	Gene S. Bacan	Macabalan NHS	N1	General Science
8	Irene Kris Lanterna	Bonbon NHS	Noth 2	Biology
9	Lloyd Allan L. Cabunoc	Regional Science HS	East 1	Biology
10	Maria Nikole D. Orcales	CDONHS	Soth	BS Nursing/09176412367

TRAINING ON COMMUNICATING VOLCANO, EARTQUAKE AND TSUNAMI IMPACTS
SEPTEMBER 1, 9, 16, 2021- 9:00 AM - 11:00 PM

	NAME	SCHOOL	DISTRICT	SPECIALIZATION
1	Roxane Paz G. Endab	City Central School	Central	Science
2	Benhur M. Paye	Balulang ES	west 1	General Education
3	April Lyn P. Felisarta	Iba ES	SW2	General Education
4	Roy N. Soriano	Puerto ES	East 2	Science
5	Stefanie Suelo	LowerTignapoloan ES	SW 2	General Education
6	Joyce Geraldine M. Ocate	Tagpangi ES	SW1	General Education
7	Johny C. Sumaya	Magayad ES	SW2	General Education
8	Jose Luis G Mag-away III	St. John ES	N 1	General Education
9	Almera N. Elorde	Consolacion ES	N 1	General Education
10	Maria Cecilia G. Labata	Kauswagan Central Sch	N 2	General Education

TRAINING ON COMMUNICATING PHILVOCS INFORMATION MATERIAL AND TOOLS

SEPTEMBER 1, 9, 16, 23, 2021- 1:30 PM - 3:30 PM

	NAME	SCHOOL	DISTRICT	SPECIALIZATION
1	Lloyd T. Saladaga	Indahag National High School	Central	Science
2	Kent T. Lodonia	Macanhan ES	South	BS Biology
3	Edgardo A. Tagulic	West City Central School	West 1	General Education
4	Hermie Dumapias	Bonbon ES	West 1	General Education
5	Naome R. Rosagaran	Tuburan NHS	North 1	Science
6	Abeto I. Villapaz	Camansi Extension	SW1	Science
7	Judith O. Neri	Bulua Central School	East 1	English
8	Dexter Sapida	Man-ai NHS	West 2	General Education
9	Jesson Ryan C. Susmiran	Cugman ES	SW2	Computer Science Engg
10	Ryan L. Lactao	Macabalan ES	East 1	General Education

Prepared by:


 JEAN S. MACASERO, PhD
 EPS-Science



Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND
SEISMOLOGY



25 March 2021

DR. CHERRY MAE L. LIMBACO, CESO V

Schools Division Superintendent

DepEd Division of Cagayan de Oro City

Fr. William F. Materson Ave., Upper Balulang, Cagayan de Oro City

cagayandeoro.city@deped.gov.ph

Dear Dr. Limbaco:

Thank you for accommodating our proposed trainings for the DepEd Schools Division of Cagayan de Oro City thru a meeting with Ms. Jean S. Macasero, Education Program Supervisor on 3 February 2021. We are glad to inform you that the trainings will be held on 1 to 24 September 2021 via blended learning, with the live sessions scheduled as follows:

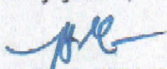
Training/Event Title	Scheduled Live Sessions
Opening Ceremony (All Participants)	• 1 Sep 2021 9:00AM to 11:00AM
Training on Communicating Volcano, Earthquake and Tsunami Hazards for DepEd High School Teachers	• 8 Sep, 15 Sep, and 22 Sep 2021 9:00AM to 11:00AM
Training on Communicating Volcano, Earthquake and Tsunami Impacts for DepEd Elementary School Teachers	• 9 Sep and 16 Sep 9:00AM to 11:00AM
Training on Communicating PHIVOLCS Information Materials and Tools for DepEd DRR Focal Persons	• 9 Sep, 16 Sep, and 23 Sep 2021 1:30-3:30PM

Participants will be given the time to accomplish their self-paced learning activities in between these live sessions.

In this regard, we request **your or your representative's presence during the opening ceremony**. Attached is the program of activities, as well as the memorandum released by the DepEd Central Office, for your reference. We are closely coordinating with your designated focal person for the detailed activities. Our contact person for this matter is: Lyca Marie A. Tungcul (lyca.tungcul@phivolcs.dost.gov.ph; +632-8927-4524)

We look forward to your continued support. Thank you very much.

Very truly yours,


RENATO U. SOLIDUM, JR.
Undersecretary, DOST
and Officer-in-Charge, PHIVOLCS

Postal Address: PHIVOLCS Building, C.P. Garcia Avenue, U.P. Campus
Diliman, Quezon City 1101 Philippines
Website : www.phivolcs.dost.gov.ph

Tel. Nos.: +63 2 8428-1468 to 79; +63 2 8926-2811
Fax Nos.: +63 2 8929-8366; +63 2 8928-3757



**DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
(DOST-PHIVOLCS)**

**Training on Communicating Volcano, Earthquake and Tsunami Hazards
for DepEd High School Teachers**

DepEd Divisions of Misamis Oriental, Cagayan de Oro City, Gingoog City, El Salvador City,
MBHTE - Maguindanao I, and MBHTE – Maguindanao II
September 1-30, 2021 via Blended Learning

Program of Activities

Duration	Topic/Activity	Resource Speaker	Participants
Sep 1 9:00AM- 11:00AM	Live Session: Opening Ceremony • Introduction, Rationale	Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS	
	• MESSAGE and Intro to PHIVOLCS	Dr. Renato U. Solidum Jr. Undersecretary, DOST OIC, PHIVOLCS	All participants
	• Legal Bases: Convention on the Rights of the Child (CRC) and DRRM Framework	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	All participants
	• Module 1. Understanding Hazards and Disasters	Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS	
Week 1 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Manual for HS Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Module 1, Advanced Reading: Modules 2 and 3			
Sep 8 9:00- 11:00AM	Live Session • Module 2. Plate Tectonics Theory: An Overview • Module 3. Volcanoes, Volcanic Hazards, Disaster Prevention and Mitigation Measures	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	HS Teachers
Week 2 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Manual for HS Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Modules 2 and 3; Advanced Reading: Modules 4 and 5			
Sep 15 9:00- 11:00	Live Session • Module 4. Earthquakes, Active Faults, and other Earthquake Sources • Module 5. Part 1: Earthquake Hazards	Mr. Jeffrey S. Perez Supervising Science Research Specialist, DOST-PHIVOLCS	HS Teachers



**DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
(DOST-PHIVOLCS)**

Duration	Topic/Activity	Resource Speaker	Participants
Week 3 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Manual for HS Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Modules 4 and 5; Advanced Reading: Module 6			
Sep 22 9:00- 11:00AM	Live Session - Module 5. Part 2: Disaster Prevention and Mitigation Strategies for Earthquakes (HazardHunterPH and How Safe is My House?) - Module 6. Tsunami and its Disaster Prevention and Mitigation Measures - Action Planning and Training Evaluation	Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS Ms. Lyca Marie A. Tungcul Science Research Analyst, DOST-PHIVOLCS	HS Teachers
Week 4 (remaining days) REQUIREMENTS COMPLETION Resources: Manual for HS Teachers and DOST-PHIVOLCS information materials and tools Module 6 Evaluation and Action Plan			



**DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
(DOST-PHIVOLCS)**

**Training on Communicating Volcano, Earthquake, and Tsunami Impacts
for Elementary School Teachers**

DepEd Divisions of Misamis Oriental, Cagayan de Oro City, Gingoog City, El Salvador City, MBHTE -
Maguindanao I, and MBHTE – Maguindanao II
September 1-30, 2021 via Blended Learning

Program of Activities

Program of Activities			
Duration	Topic/Activity	Resource Speaker	Participants
Sep 1 9:00AM- 11:00AM	Live Session: Opening Ceremony Introduction, Rationale	Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS	All participants All participants
	MESSAGE and Intro to PHIVOLCS	Dr. Renato U. Solidum Jr. Undersecretary, DOST OIC, PHIVOLCS	
	Legal Bases: Convention on the Rights of the Child (CRC) and DRRM Framework	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	
	Module 1. Understanding Hazards and Disasters	Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS	
Week 1 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Guidebook for ES Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Module 1; Advanced Reading: Modules 2 and 3			
Sep 9 9:00- 11:00AM	Live Session Module 2. Volcano Eruption (Impacts)	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	ES Teachers
	Module 3. Earthquake Hazards (Impacts)	Ms. Charmaine V. Villamil Senior Science Research Specialist, DOST-PHIVOLCS	
Week 2 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Guidebook for ES Teachers and DOST-PHIVOLCS information materials and tools Evaluation: Modules 2 and 3; Advanced Reading: Modules 4 and 5			
Sep 16 9:00- 11:00AM	Live Session Module 4. PHIVOLCS Information Materials and Tools for the Classroom	Ms. Lucille Rose D. Sanico Science Research Specialist II, DOST-PHIVOLCS	ES Teachers
	Module 5. Practical Exercise: Preparing a Lesson Plan		
	Training Evaluation	Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS	



DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
(DOST-PHIVOLCS)

Duration	Topic/Activity	Resource Speaker	Participants
Week 3 (remaining days)	REQUIREMENTS COMPLETION Resources: Guidebook for ES Teachers and DOST-PHIVOLCS information materials and tools Lesson Plan Submission		



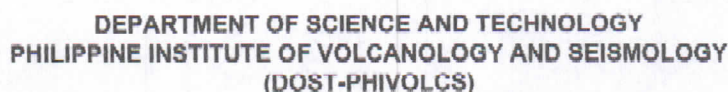
**DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY
(DOST-PHIVOLCS)**

**Training on Communicating PHIVOLCS Information Materials and Tools
for DepEd DRR Focal Persons**

DepEd Divisions of Misamis Oriental, Cagayan de Oro City, Gingoog City, El Salvador City,
MBHTE - Maguindanao I, and MBHTE – Maguindanao II
September 1-30, 2021 via Blended Learning

Program of Activities

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	• MESSAGE and Intro to PHIVOLCS	Dr. Renato U. Solidum Jr. Undersecretary, DOST OIC, PHIVOLCS	
	• Legal Bases: Convention on the Rights of the Child (CRC) and DRRM Framework	Dr. Ma. Mylene M. Villegas Chief Science Research Specialist, DOST-PHIVOLCS	
	• Module 1. Understanding Hazards and Disasters	Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS	
Week 1 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Guidebook for DRR Focal Persons and DOST-PHIVOLCS information materials and tools Advanced Reading: Module 1			
Sep 9 1:30- 3:30PM	Live Session • Understanding Volcano Alert Levels • What to do Before, During, and After a Volcanic Eruption	Ms. Lucille Rose D. Sanico Science Research Specialist II, DOST-PHIVOLCS	DRR Focal Persons
Week 2 (remaining days) SELF-PACED LEARNING / SELF-STUDY Resources: Guidebook for DRR Focal Persons and DOST-PHIVOLCS information materials and tools Evaluation: Module 1; Advanced Reading: Module 2			
Sep 16 1:30- 3:30PM	Live Session • Understanding the PHIVOLCS Earthquake Intensity Scale • What to Do Before, During, and After an Earthquake	Ms. Joan C. Salcedo Supervising Science Research Specialist, DOST-PHIVOLCS Ms. Fatima M. Moncada Science Research Specialist II, DOST-PHIVOLCS	DRR Focal Persons



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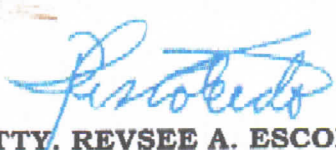
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Republic of the Philippines
Department of Education
OFFICE OF THE UNDERSECRETARY

MEMORANDUM

TO : **ALL REGIONAL DIRECTORS**
CONCERNED SCHOOLS DIVISION SUPERINTENDENTS

FROM : 
ATTY. REVSEE A. ESCOBEDO
Undersecretary
Field Operations, Palarong Pambansa Secretariat, and DEACO

SUBJECT : **2021 CAPACITY DEVELOPMENT FOR PHIVOLCS' STAKEHOLDERS**

DATE : February 15, 2021

This has reference to the attached letter of the Department of Science and Technology – Philippine Institute of Volcanology and Seismology (DOST-PHIVOLCS) relative to this year's implementation of its annual project titled, "Capacity Development for PHIVOLCS' Stakeholders."

The project consists of five (5) different types of training for the teaching personnel and program specialists of the Department of Education. These activities aim to train the aforementioned personnel on the science of volcanoes, earthquake, and tsunami, as well as their hazards and mitigation strategies.

Participants to the project will be composed of Elementary, Science High School and Senior High School Teachers, and School DRR Focal Persons from the Schools Divisions of the DepEd as selected by the DOST-PHIVOLCS. In addition, two (2) Science Education Program Specialists (EPS) from each of the 17 Regional Offices will also be included in the training. The list of participating SDOs and the corresponding number of allocated slots are detailed as follows:

Region	Division	Number of ES Teachers Participants	Number of HS Teachers Participants	Number of DRR Focal Persons Participants
Region III	SDO Tarlac	20	20	20
	SDO Tarlac City	10	10	10
Region IV-B	SDO Romblon	30	30	30
Region X	SDO Misamis Oriental	10	10	10
	SDO Cagayan De Oro City	10	10	10
	SDO El Salvador City	10	10	10
	SDO Gingoog City	10	10	10
CAR	SDO Ifugao	30	30	30

ODA/21-0061/02032021

Office of the Undersecretary for Field Operations, Palarong Pambansa Secretariat, and DEACO
Department of Education, Central Office, Meralco Avenue, Pasig City (Room 515, Mabini Building)
Tel. No: (02) 631 84 92 Fax No: (02) 633 53 13
Email: usec.regops@deped.gov.ph

NCR	SDO Pasig City	30	0	30
BARMM	SDO Maguindanao I	15	15	15
	SDO Maguindanao II	15	15	15

The training for the Division Science EPSs is scheduled on June 2021. Meanwhile, the training activities for the teachers and DRR focal persons are scheduled in batches, in which there will be a total of six (6) to eight (8) live sessions to be conducted per batch. Enumerated below are the list of assigned SDOs per batch, target dates, and the concurrent training to be conducted:

Batch	SDOs	Target Date	Concurrent Training Activities
Batch 1	- SDO Tarlac - SDO Tarlac City - SDO Ifugao	April 12 – May 14, 2021 (4 weeks)	- Training for ES Teachers - Training for HS Teachers - Training for DRR Focal Persons
Batch 2	- SDO Romblon - SDO Pasig City	July 5 – 30, 2021 (4 weeks)	- Training for HS Teachers and DRR Focal Persons for both Divisions - Training for ES Teachers for SDO Romblon only
Batch 3	- SDO Misamis Oriental - SDO Cagayan De Oro City - SDO El Salvador City - SDO Gingoog City - SDO Maguindanao I - SDO Maguindanao II	August 30 – September 24, 2021 (4 weeks)	- Training for ES Teachers - Training for HS Teachers - Training for DRR Focal Persons
Batch 4	- SDO Pasig City	October 4 – 15, 2021 (2 weeks)	- Training for SHS Teachers

In line with the aforementioned, the assigned focal persons per concerned Regional and Schools Division Offices are enjoined to submit the list of confirmed participants as well as their accomplished Participant's Profile Forms to the DOST-PHIVOLCS via email at jc.salcedo@phivolcs.dost.gov.ph, fatima.moncada@phivolcs.dost.gov.ph, and lyca.tungcul@phivolcs.dost.gov.ph, copy furnish this Office, on or before February 26, 2021. Copies of the forms are attached for your perusal, and the digital versions of such will be sent by the DOST-PHIVOLCS to the assigned focal persons.

For more information, you may contact the DOST-PHIVOLCS at telephone number: (02) 8927-4524 or at e-mail addresses provided above.

Immediate and wide dissemination of this Memorandum is desired.

ODA/21-0061/02032021

Office of the Undersecretary for Field Operations, Palarong Pambansa Secretariat, and DEACO
 Department of Education, Central Office, Meralco Avenue, Pasig City (Room 515, Mabini Building)
 Tel. No: (02) 631 84 92 Fax No: (02) 633 53 13
 Email: usec.regops@deped.gov.ph



13 January 2021

Attachment #1: Letter
from DOST-PHIVOLCS

W. Sec. Briones

Secretary Leonor M. Briones, DPA
Department of Education
Meralco Avenue, Pasig City, 1605
(02) 8633 7228; osec@deped.gov.ph

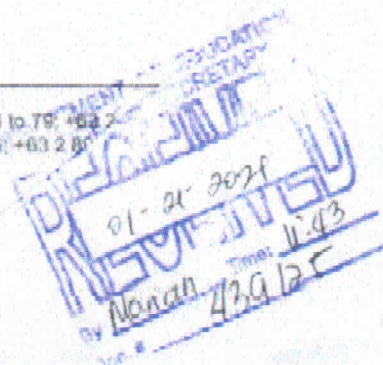
Dear Sec. BRIONES:

The Department of Science and Technology - Philippine Institute of Volcanology and Seismology (DOST-PHIVOLCS) implements its annual project titled, "Capacity Development for PHIVOLCS' Stakeholders" specifically for the Department of Education (DepEd). This year 2021, the project includes five (5) different types of training listed in the table below.

Training Title	Focus Area	Target Participants
1. Training on Communicating Volcano, Earthquake and Tsunami Hazards for DepEd High School Teachers	Science of hazards and their mitigation strategies	Science High School Teachers
2. Training on Communicating Volcano, Earthquake and Tsunami Impacts for DepEd Elementary Teachers	Impacts of hazards and integrating these into lessons	Elementary Teachers
3. Training on Communicating PHIVOLCS Information Materials and Tools for DepEd DRR Focal Persons	Geologic disaster preparedness	School DRR Focal Persons
4. Training on Communicating Volcano, Earthquake and Tsunami Hazards for DepEd Science Education Program Specialists	Science of hazards and their mitigation strategies	Two (2) Division SEPS from all DepEd ROs
5. Training on Communicating Volcano, Earthquake and Tsunami Hazards for DepEd Senior High School Teachers	Science of hazards and their mitigation strategies	Earth Science/ DRR Senior High School Teachers

These activities aim to train selected teachers and program specialists on the science of volcanoes, earthquake, and tsunami, and their hazards and mitigation strategies. Each training also follows a manual or guidebook that is specifically designed in accordance to existing DepEd curriculum.

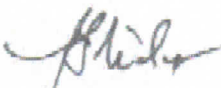
Attendance is by invitation, through close coordination with the corresponding DepEd Divisions and Regional Offices. The selected areas this year are DepEd Divisions in the provinces of Tarlac, Ifugao, Romblon, Misamis Oriental, Maguindanao, and Pasig City; and selected DepEd Divisions from each region for the SEPS training. All trainings will be done using blended learning – combination of self-paced activities, webinars, and an online discussion platform. We will provide the training materials, and no registration fee will be collected.



In this regard, we would like to **request for a nominated point person from your office on this matter**. Our contact persons for these activities are Ms. Joan C. Salcedo and Ms. Fatima M. Moncada (+632-8927-4524; jc.salcedo@phivolcs.dost.gov.ph; fatima.moncada@phivolcs.dost.gov.ph).

We hope for your support and cooperation. Thank you very much.

Very truly yours,


RENATO U. SOLIDUM, JR.
Undersecretary, DOST
and Officer-in-Charge, PHIVOLCS 