

04



SCHOOLS DIVISION OF BULACAN

Provincial Capitol Compound, Brgy. Guinhawa, City of Marikina, Bulacan
website: <https://bulacandeped.com> email: bulacan@depd.gov.ph

November 29, 2019

TO: School Heads Concerned
(Through the District Supervisors)

Attached for information and guidance, is the letter of Indorsement from the Department of Education Region III on the conduct of the reconnaissance survey and geotechnical and geophysical testing in the following schools:

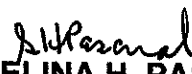
San Roque National High School –Paombong
Cong. Erasmo R. Cruz Memorial CS- Bocaue
Calumpit Central School- Calumpit South
Matias A. Fernando MS- Angat

It is instructed that concurrent school heads of the aforementioned schools be available in the school on the scheduled date of the conduct of the subject survey to provide the needed assistance to the survey team.

Queries and other clarification may be directed to Mr. Pedro G. Lacap, Project Development Officer II at contact no. 09332411988.

Cooperation of all concerned is enjoined.

Very truly yours,


GERMELINA H. PASCUAL, CESO V
Schools Division Superintendent

DIVISION LETTER
NO. 248 S. 2019

E.M.



ISO 9001:2015 CERTIFIED
Registration Number: DE-50500546 QM15





Republic of the Philippines
Department of Education
 REGION III-CENTRAL LUZON

DepEd RO III - RECORDS SECTION

RELEASE
 NOV 26 2019

RECEIVED
 BY: [Signature]
 Date: 11/27
 Time: 1:20

DepEd-RO of Bulacan Office of the Regional Director

RELEASE
 NOV 27 2019

By: [Signature]
 Time: 1:05 PM

1st Indorsement
 November 25, 2019

Respectfully referred to the Schools Division Superintendent, Schools Division of Bulacan the herein Memorandum of Jesus L.R. Mateo, Undersecretary dated November 12, 2019 relative to the request of Renato U. Solidum, Jr., Undersecretary, DOST and Officer-In-Charge, PHILVOCS to allow their team to conduct the reconnaissance surveys and do geotechnical and geophysical testing on selected school sites in your Schools Division. Recommending appropriate action.

[Signature]

NICOLAS T. CAPULONG, Ph.D., CESO V
 Director III
 Officer-In-Charge
 Office of the Regional Director

Incl., As stated.
 ESSD1



Address: Matalino St. D.M. Government Center, Maimpis, City of San Fernando (P)
Telephone Number: (045) 598-8580 to 89; **Email Address:** region3@deped.gov.ph





Republic of the Philippines
Department of Education

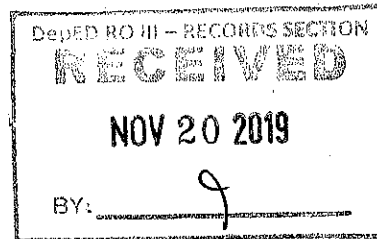
Tanggapan ng Pangalawang Kalihim
Office of the Undersecretary

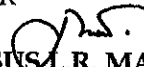
MEMORANDUM
DM-PHRODFO-2019-00961

TO: **26793** NICOLAS T. CAPULONG
OIC- Regional Director
Region III

WILFREDO E. CABRAL
OIC- Regional Director
Region IV-A

MALCOLM S. GARMA
Regional Director
NCR



FROM: 
JESUS L.R. MATEO
Undersecretary

SUBJECT: *Conduct of Reconnaissance Surveys on selected DepEd school sites*

DATE: November 12, 2019

This has reference to the letter received by the department on November 6, 2019 regarding the PHILVOLCS- DepEd collaborative project/ research entitled "Liquefaction Hazard Assessment for Resilient Schools in GMMA: A Liquefaction Probabilistic Model Using Non- Invasive Geophysical Techniques and Limited Probe Hole". As part of their activity, a reconnaissance surveys on selected DepEd school sites will be conducted to check on the suitability of their geophysical/ geotechnical equipment and tests. The identified areas were:

NCR: Valenzuela City, Navotas City, Malabon City, Pasig City, Manila, Pasay City, Paranaque City, Las Pinas City, Marikina City and Taguig City

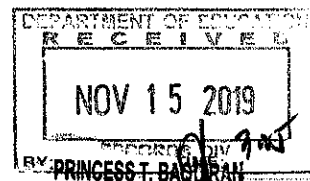
✓ Region III: Bulacan Province

Region IV-A: Cavite Province

In this regard, we would like to request for your assistance to the team thru the School Division Superintendents on the conduct of surveys and testing in the identified School sites abovementioned. Attached also is the list of the tentative schools to be surveyed and the request letter of the team.

For your information and compliance.

Office/Surname





DEPARTMENT OF EDUCATION
 OFFICE OF THE SECRETARY

RECEIVED
 11/6/19
 By: [Signature] Time: 4:30
 Doc. # 116046

DEPARTMENT OF EDUCATION
 RECEIVED
 NOV 06 2019
 RECORDS DIV
 BY [Signature] TIME: 1:17

OGL-Nov-19-593

5 November 2019

HONORABLE LEONOR M. BRIONES
 Secretary

Department of Education
 Department of Education, Central Office, Meralco Avenue, Pasig City

EDWIN R. CUARESIN

11-Nov-110619-3275

DEPARTMENT OF EDUCATION
 OFFICE OF THE UNDERSECRETARY FOR
 PLANNING AND FIELD OPERATIONS
 RECEIVED
 By: [Signature] Doc No. 1111/19 9.2

Dear **Secretary BRIONES**:

This is related to the PHIVOLCS-DepEd collaborative project/research identified "Liquefaction Hazard Assessment for Resilient Schools in GMMA: A Liquefaction Probabilistic Model Using Non- Invasive Geophysical Techniques and Limited Probe Hole". Last September 10, 2019, members of the Liquefaction Project had their first exploratory meeting with Engr. Wilfredo Alarcon, designated focal person of DepEd. As discussed in the meeting, the next activity of our project is to conduct reconnaissance surveys on selected DepEd school sites in order to check the sites on the suitability of our various geophysical/geotechnical equipment and tests. Thereafter, we shall conduct geophysical/geotechnical testing to gather data.

In line with this, we would like to request an endorsement letter or memorandum addressed to Schools Division Superintendents to allow our team to conduct the reconnaissance surveys and do geotechnical and geophysical testing on selected sites. Attached is the preliminary selected DepEd school sites within the following areas: (1) Bulacan Province, (2) Valenzuela City, (3) Navotas City, (4) Malabon City, (5) Manila City, (6) Pasay City, (7) Parañaque City, (8) Las Piñas City, (9) Pasig City, (10) Marikina City, (11) Taguig City, and (12) Cavite Province. Also, attached herewith are the previous correspondence letters regarding this project for your reference.

Should you have queries or clarifications, you may reach us at arturo.daag@phivolcs.dost.gov.ph or at mobile no. +639179958450. Thank you for your continued support on the research endeavors of the Institute.

Very truly yours,

[Signature]

RENATO U. SOLIDUM, JR.
 Undersecretary, DOST
 And Officer-In-Charge, PHIVOLCS

TENTATIVE LIST OF SCHOOLS TO BE SURVEYED / STUDIED

| Name of School | Latitude | Longitude | Area | Priority/Classification | Head | Contact | Website |
|---|-------------|-------------|------------|-------------------------|-------------------------------|--------------------------------|------------------------------------|
| Aurora A. Quizon ES - Malate | 14.57058056 | 120.9888844 | Manila | 2 | Trinidad R. Galang | 353-6964 / 528-1123 / 942-9115 | auges.manila@deped.gov.ph |
| Fernando MA. Guerrero ES - Malate | 14.578591 | 121.00252 | Manila | 2 | Randy R. Emen | (02) 563-6684 | fmges.manila@deped.gov.ph |
| Justo Lukban ES - Paco | 14.58131667 | 120.9538092 | Manila | 2 | Dr. Meriam B. Colanones | 525-8015 / 359-8645 | justoblukbanes.manila@deped.gov.ph |
| Manuel A. Rosas HS - Paco | 14.582575 | 120.98075 | Manila | 2 | Maria Elena Serquilina Ed.D. | 353-6935 / 562-2414 | maroszas.manila@deped.gov.ph |
| Rafael Palma ES - San Andres Bukid | 14.567563 | 121.00553 | Manila | 2 | Josephine C. Dellegente | 895-7436 / 823-7483 | rpalmas.manila@deped.gov.ph |
| Manila HS - Intra | 14.5889167 | 120.978442 | Manila | 3 | Consolacion K. Narnep | 521-4199 / 400-2690 | manilahs.manila@deped.gov.ph |
| Dr. Albert ES - Sampaloc | 14.61821667 | 120.996786 | Manila | 2 | Jona R. Mifano | 741-2396 | draalbertes.manila@deped.gov.ph |
| Antonio A. Incesa Integrated School | 14.603367 | 121.012037 | Manila | 2 | Bjuna Gracia M. Barrantes | (02) 714-7388 | amacedas.manila@deped.gov.ph |
| Isabelo delos Reyes ES - Tondo | 14.60896111 | 120.967675 | Manila | 3 | Remejio V. Tumagahan | 242-3823 | idelosreyes.manila@deped.gov.ph |
| T. Paez Integrated School - Tondo | 14.60661111 | 120.97955 | Manila | 2 | Josepha D. Villares, Ed.D. | (02) 254-5162 | tpaes.manila@deped.gov.ph |
| Sen. Maximino Hizon ES - Tondo | 14.61126944 | 120.976898 | Manila | 2 | Loida Diaz Diaz | 711-5938 / 732-7004 | estebanovellanohs.depedmanila.com |
| Applebop High School - Sta. Cruz | 14.52973611 | 120.998873 | Parañaque | 2 | Lanely Semilla Solito | (02) 832 0177 | |
| Baciran Elementary School Central | 14.49283511 | 121.003642 | Parañaque | 3 | Virginia Vicente Ramos | (02) 822 2190 | |
| Col. E. De Leon Elementary School | 14.50334444 | 120.986036 | Parañaque | 3 | Vilma F. Forbes | (02) 853 9951 | |
| Sto. Niño Elementary School | 14.50051944 | 120.984583 | Parañaque | 2 | Concepcion Citizian Bernaldez | (02) 478 9852 | |
| Parañaque Science High School | 14.67695278 | 120.941079 | Malabon | 2 | Riza Graniclin Andrade | (63) 2 2815883 | |
| Penghulo Elementary School | 14.66391944 | 120.958144 | Malabon | 1 | Maria Josefina Cecilia Borres | (63) 2 7091490 | |
| Imelda Elementary School | 14.64824167 | 120.96115 | Malabon | 2 | Melinda C. San Pedro | (63) 2 8514301 | |
| Mayslip Elementary School | 14.6728333 | 120.960722 | Malabon | 3 | Melbeth D. Ruiz | 2949533 | |
| Ninoy Aquino Elementary School | 14.65457778 | 120.960536 | Malabon | 2 | Dr. Marissa B. Cristobal | 9225463 | |
| San Roque National High School | 14.83146278 | 120.786453 | Bulacan | 1 | Theresa P. Garcia | (044) 760 40 61 | |
| Conk. Erasmo R. Cruz Memorial CS | 14.79941667 | 120.922397 | Bulacan | 1 | Dr. Melinda A. Salangasa | 692 28 87 | |
| Sen. Isidoro Torres Memorial Elementary School | 14.81569167 | 120.836906 | Bulacan | 1 | Murieta T. Adriano | 652 25 41 | |
| City of Malolos Integrated School - Sto. Rosario | 14.83938056 | 120.813731 | Bulacan | 1 | Dr. Helen B. Aggabao | 662 57 37/794 31 47 | |
| Mayslip Elementary School | 14.79941667 | 120.922397 | Bulacan | 1 | Theresa Balinario Sevilla | 840 42 46 | |
| Mayslip Elementary School | 14.79941667 | 120.922397 | Bulacan | 1 | Perfita G. Pagdanganan | (044) 202-4119 | |
| Callumpit Central School | 14.91203511 | 120.769283 | Bulacan | 1 | Tiro D.L. Pascual | N/A | |
| Madas A. Farnando MS | 14.930375 | 121.027036 | Bulacan | 1 | Maria Cristina Robles | 378-95-08 | |
| Navotas National High School | 14.65765389 | 120.948593 | Navotas | 2 | Dr. Floretta Mendoza Quijano | 285-34-69 | |
| Dagat-Dagatan Elementary School | 14.65049511 | 120.956397 | Navotas | 2 | Preciosa Navarro Cabrinbin | 351-54-34 | |
| San Roque Elementary School | 14.66967778 | 120.934969 | Navotas | 2 | Wilfriza Balagosa | 351-51-51 | |
| Tanogs National High School | 14.67393511 | 120.932358 | Navotas | 1 | Sonia Mercado Padernal | N/A | |
| Kapitbahayan Elementary School | 14.6418611 | 120.957389 | Navotas | 1 | Dr. Jocelyn Lagassi | 282-19-43 | |
| Navotas Elementary School | 14.66236667 | 120.944014 | Navotas | 2 | Melinda Mateo Matias | N/A | |
| Dangharian Elementary School | 14.66569167 | 120.940747 | Navotas | 2 | Saitra Lupenarino Salayaw | 284-70-41 | |
| Tanza Elementary School | 14.67836389 | 120.933864 | Navotas | 2 | Mrs. Jennifer T. Enopie | (03) 811-3478 | |
| Las Pinas Science High School | 14.43286111 | 120.984997 | Las Pinas | 2 | Mrs. Jennifer T. Enopie | (02) 8173478 | |
| Las Pinas City National Senior High School - Talon Dos Campus | 14.43245 | 120.9944 | Las Pinas | 2 | Josephine Santos De Ocampo | (02) 550-2856 | |
| Las Pinas Elementary School Central | 14.47526389 | 120.977531 | Las Pinas | 2 | Mr. Joseph F. de Leon | (02) 396-5369 | |
| Panpiona Central Elementary School | 14.45801944 | 120.970056 | Las Pinas | 2 | Dr. Raquel M. Austero | (02) 394-3219 | |
| Manuyo Uno Elementary School | 14.48245667 | 120.985217 | Las Pinas | 2 | Lilibeth San Juan Gozo | 294-1141 | |
| Rio Valenzuela Elementary School | 14.705276 | 120.945681 | Valenzuela | 1 | Winfredo L. Zurbarano | 277-5320 | |
| Coloong Elementary School | 14.725109 | 120.94491 | Valenzuela | 1 | Roberto A. Llanita | (3)990-0362 | |
| Wawang Pulo Elementary School | 14.73426 | 120.92821 | Valenzuela | 1 | N/A | 277-96-12 | |
| Wawang Pulo National High School | 14.73426 | 120.92821 | Valenzuela | 1 | N/A | 291-4125 | |
| Tagalog Elementary School | 14.724514 | 120.937979 | Valenzuela | 3 | Edralino E. Nicolas | 291-4125 | |
| Rincon Elementary School | 14.699803 | 120.959891 | Valenzuela | 3 | Rosalinda Granil Conales | (02) 291 9761 | |
| San Miguel Heights Elementary School | 14.67649 | 120.950634 | Valenzuela | 1 | N/A | N/A | |
| Malinta Elementary School | 14.691726 | 120.965942 | Valenzuela | 1 | Fe Evangelista Padinao | (02) 292 8836 | |
| Malinta National High School | 14.691726 | 120.965942 | Valenzuela | 1 | Dr. Jameson H. Tan | 291-5591 / 942-9960 | |
| Valenzuela Science High School | 14.691726 | 120.965942 | Valenzuela | 1 | Jaine S. De Vera, Jr | 4325228 | |
| Valenzuela SPED Center | 14.651726 | 120.955942 | Valenzuela | 1 | N/A | | |
| Ternate National High School | 14.28465667 | 120.719278 | Cavite | 1 | | | |
| Ternate West National High School | 14.2882222 | 120.708661 | Cavite | 1 | | | |
| Balshah Elementary School | 14.32056389 | 120.762736 | Cavite | 1 | | | |
| Tanza National Comprehensive High School | 14.3973722 | 120.851086 | Cavite | 1 | | | |
| Gregorio B. Fojos Elementary School | 14.3583222 | 120.808822 | Cavite | 1 | | | |
| Caplipa Elementary School | 14.35806111 | 120.792228 | Cavite | 1 | | | |
| Bagbag National High School | 14.420925 | 120.86735 | Cavite | 1 | | | |
| Silangan Elementary School | 14.41988333 | 120.861931 | Cavite | 1 | | | |

| | | | | | | | | | |
|---|-------------|------------|--------|---|--|--|--|--|--|
| Cavite National High School | 14.48273056 | 120.899011 | Cavite | 1 | | | | | |
| Ladino Diva Elementary School | 14.4750556 | 120.8924 | Cavite | 1 | | | | | |
| Sta. Cruz Elementary School | 14.47046611 | 120.899703 | Cavite | 1 | | | | | |
| Emilleno T. Trona Memorial National High School | 14.44106667 | 120.908825 | Cavite | 1 | | | | | |
| Aguinaldo Elementary School | 14.44231944 | 120.904569 | Cavite | 2 | | | | | |
| Sinequeasan Elementary School | 14.48929444 | 120.927167 | Cavite | 1 | | | | | |
| P. Villanueva Elementary School | 14.443236 | 120.958012 | Passy | 1 | | | | | |
| Philippine School for the Deaf | 14.442125 | 120.959392 | Passy | 1 | | | | | |
| Philippine National School for the Blind | 14.442125 | 120.959392 | Passy | 1 | | | | | |
| Jose Rizal Elementary School | 14.443052 | 120.957908 | Passy | 1 | | | | | |

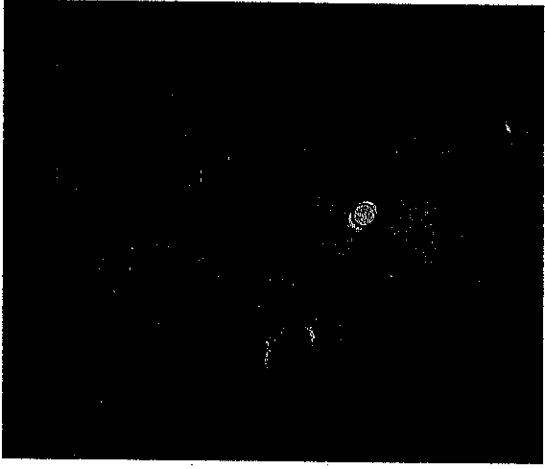
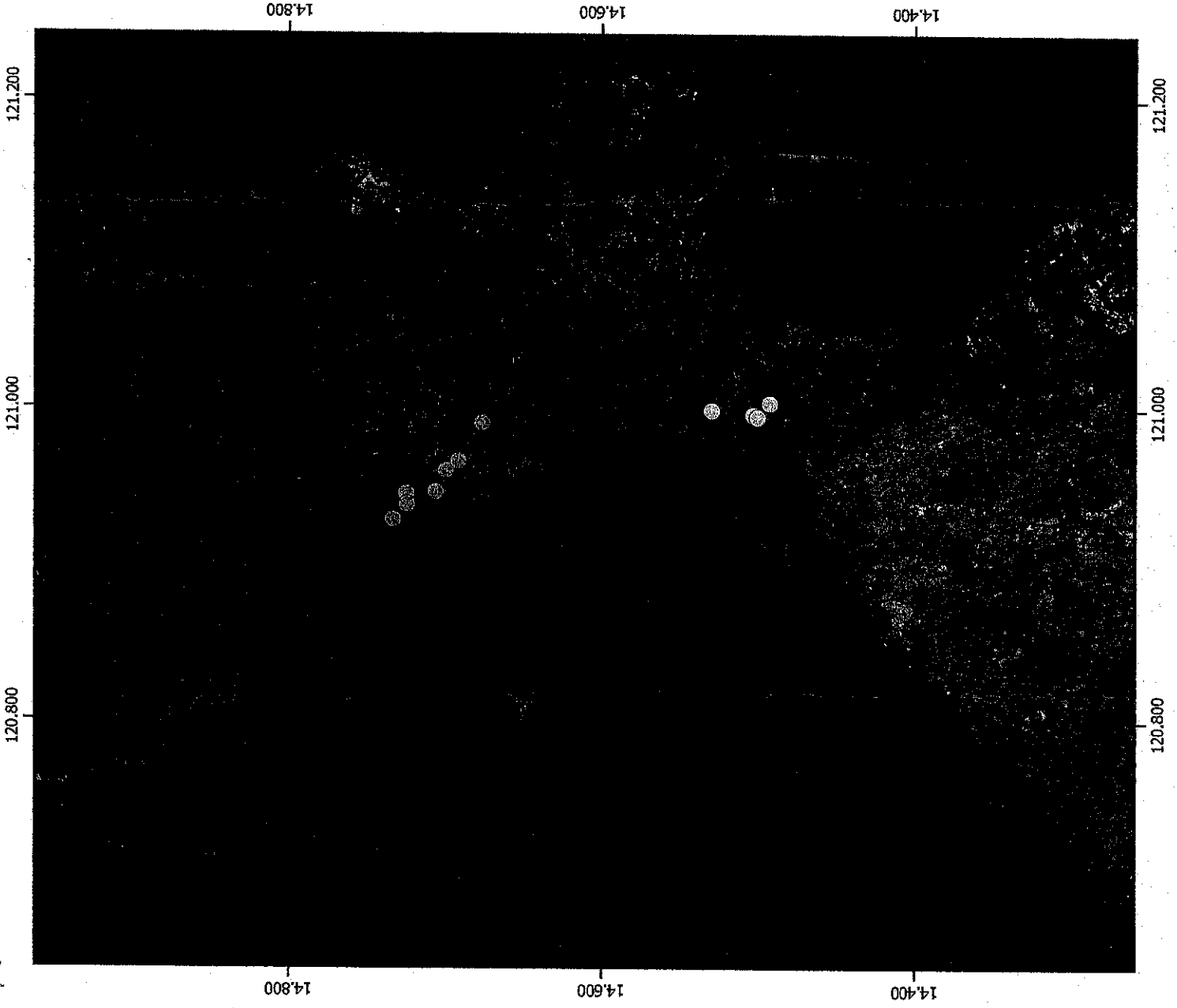
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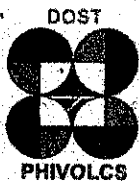
Location of Tentative Schools to Be Surveyed

- Bulacan
- Valenzuela
- Las Pinas
- Malabon
- Manila
- Navotas
- Paranaque
- Pasay
- Cavite
- Bulacan
- Cavite
- NCR



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OGL-May-18-129

28 May 2018

HONORABLE LEONOR M. BRIONES

Secretary

Department of Education
DepEd Complex, Meralco Ave.,
Pasig City, Metro Manila
(02) 636 1663 | 633 1942

Dear SECRETARY BRIONES:

The Philippine Institute of Volcanology and Seismology (PHIVOLCS) submitted a research project proposal entitled "Liquefaction Potential for Resilient Schools in GMMA: A Liquefaction Probabilistic Model using Non-invasive Geophysical Techniques and Limited Probe Hole" to Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD) of the department of Science and Technology (DOST).

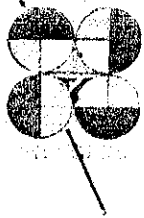
The project proposal undergone a technical panel review on May 8, 2018. One of the recommendations of the panel is to involve DepEd engineer during the implementation of the project so that technology transfer will be successful during the execution of the project. In this regard, we would like to secure a letter of commitment from your office involving a DepEd engineer into the project.

Attached is the PCIEERD technical panel recommendation for your reference.

Thank you very much and hoping for your favorable action.

Very truly yours,

RENATO J. SOLIDUM, JR.
Undersecretary for DRR and CC, DOST
and
Officer-in-Charge, PHIVOLCS



OGI-Apr-18-037

10 April 2018

HONORABLE LEONOR M. BRIONES

Secretary

Department of Education

DepEd Complex, Meralco Avenue,

Pasig City

636-1663/633-1942

Dear **SECRETARY BRIONES**:

The Philippine Institute of Volcanology and Seismology (PHIVOLCS) would like to submit a research project proposal entitled "Liquefaction Potential for Resilient Schools in GMMA: A Liquefaction Probabilistic Model using Non-invasive Geophysical Techniques and Limited Probe Hole" to Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD) of the department of Science and Technology (DOST).

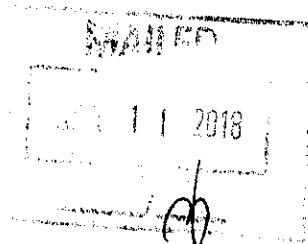
The objectives of the research are: a) establish a science-based rapid assessment technique in the assessment of liquefaction potential using non-invasive geo-physical techniques, b) assess liquefaction potential of selected DepEd schools within the Greater Metro Manila (GMMA) and c) recommend interventions to minimize the impact of liquefaction to make public schools resilient to liquefaction hazard.

As part of the requirement in the submission of the proposal, we would like to request a letter of support from your department since you are one of the target beneficiaries of this project.

Thank you very much and we hope that you will endorse this project.

Very truly yours,


BARTOLOME C. BAUTISTA
Deputy Director



CCMM



DEPARTMENT OF EDUCATION
RECORDS DIVISION

Republika ng Pilipinas

RELEASED
7275

Kagawaran ng Edukasyon
Tanggapan ng Pangalawang Kalihim

By: [Signature] Date: JUN 2018

13 June 2018

HON. RENATO U. SOLIDUM JR.
Officer-In-Charge
Philippine Volcanology and Seismology
PHILVOCS Building
C.P. Garcia Avenue
UP Campus, Diliman
Quezon City

DESIGNATION OF FOCAL PERSON TO PCIEERD

Dear **Officer-In-Charge Solidum**:

The Department of Education (DepEd) Office of the Undersecretary for Administration (OUA) acknowledges the 28 May 2018 letter of Hon. Renato U. Solidum Jr., Officer-In-Charge of the Philippine Institute of Volcanology and Seismology (PHILVOCS) and Undersecretary of DRR and CC, DOST about the designation of a DepEd engineer into their research project proposal.

OUA designates Engr. Wilfredo Alarcon, Engineer IV of Education Facilities Division (EFD) as the Focal Person to the research project proposal Liquefaction Potential for Resilient Schools in GMMA to the Philippine Council for Industry, Energy and Emerging Technology Research and Development (PCIEERD).

Thank you.

[Signature]
ALAIN DEL B. PASCUA
Undersecretary
OFFICE OF THE UNDERSECRETARY FOR ADMINISTRATION
DEPARTMENT OF EDUCATION

cc: **Engr. Wilfredo Alarcon**
Engr. IV
EFD, DepEd

Office of the Undersecretary for Administration

(Administrative Services, Information and Communications Technology, Disaster Risk Reduction and Management, Schools Health, Youth Formation, Baguio Teachers' Camp, Education Facilities/School Buildings)
Department of Education, Central Office, Meralco Avenue, Pasig City
Room 519, Mabini Building; Mobile: +639260320762; Landline: +6326337203

RECEIVED
JUN 27 2018
Ctrl No: arr Jun 18-324

PHIVOLCS
Office of the Director
Received by: [Signature]
Date: 6/19/18

632603207 EDUCATION
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JUN 19 2018
RECORDS DIV. BY: [Signature] TIME: 4:40
MA. THERESA M. CASTRO