



Republic of the Philippines
Province of Cagayan
TUGUEGARAO CITY



◆NINTH CITY COUNCIL◆

COMMITTEE REPORT

May 22, 2025

Submitted by:

**COMMITTEE ON INFRASTRUCTURE AND PUBLIC UTILITIES
COMMITTEE ON SUSTAINABILITY, CLIMATE CHANGE, ENVIRONMENT
PROTECTION, AND ECOLOGY**

PRESENT:

HON. MARK ANGELO B. DAYAG	-Chair, Committee on Infrastructure and Public Utilities
HON. MARY MARJORIE P. MARTIN-CHAN	-Vice Chair, Committee on Infrastructure and Public Utilities
HON. RONALDO S. ORTIZ	-Member, Committee on Infrastructure and Public Utilities
HON. MARIA ROSARIO B. SORIANO	-Chair, Committee on Sustainability, Climate Change, Environment Protection, and Ecology (<i>Via Zoom</i>)
HON. IMOGEN CLAIRE M. CALLANGAN	-Vice Chair, Committee on Sustainability, Climate Change, Environment Protection, and Ecology (<i>Via Zoom</i>)
HON. TIRSO V. MANGADA	-Member, Committee on Sustainability, Climate Change, Environment Protection, and Ecology
HON. CERENE PEARL T. QUILANG	-Member, Committee on Sustainability, Climate Change, Environment Protection, and Ecology (<i>Via Zoom</i>)
HON. JUDE T. BAYONA	--Member, Committee on Sustainability, Climate Change, Environment Protection, and Ecology

RESOURCE PERSONS:

ANGELO SUYU	- <i>City DRRM Office</i>
CLIFFORD CALUBAQUIB	- <i>City DRRM Office</i>
ROBERT TIGLAO	- <i>PHIVOLCS</i>

GUESTS:

HON. RESTITUTO C. RAMIREZ	- <i>Ex-Officio City Councilor/LnB President</i>
HON. GRACE B. ARAGO	- <i>City Councilor (via Zoom)</i>
HON. ARNEL T. ARUGAY	- <i>City Councilor (via Zoom)</i>

FOR THE PRESIDING-OFFICER:

The Joint Committee met and deliberated on the referral:

COMMITTEE REPORT NO. 108-2025

SUBJECT:

“Indorsement of the City Mayor, Hon. Maila Rosario S. Ting-Que, on the draft Memorandum of Agreement between the Tuguegarao City Government and the Philippine Institute of Volcanology and Seismology (PHIVOLCS) relative to the lot area to build a strong motion house for the installation of accelerograph.”

ACTION TAKEN:

The members of the committees met to discuss the subject matter with the presence of the resource persons.

FINDINGS:

- 1.) PHIVOLCS has been maintaining and developing a network of strong motion accelerograph in the country which aims to record near-field earthquakes that normally cannot be recorded completely by the usual seismographs.
- 2.) PHIVOLCS is requesting the City Government to provide an area of at least 5 meters by 5 meters (25 square meters) for the construction of the strong motion house purposely for the installation of the accelerograph instrument.
- 3.) Under the MOA, PHIVOLCS is responsible for the construction of the strong motion house and the provision of the said instrument.
- 4.) The instrument is equipped with solar panel and has back up battery to be used in case of power failure.
- 5.) The CDRRMO has already identified a space beside their office building to accommodate the construction of the strong motion house.

RECOMMENDATION:

After a thorough discussion, the Joint Committee favorably approves the Memorandum of Agreement between the Tuguegarao City Government and the Philippine Institute of Volcanology and Seismology (PHIVOLCS) relative to the lot area to build a strong motion house for the installation of accelerograph, and recommends for the passage of a resolution authorizing the City Mayor, Hon. Maila Rosario S. Ting-Que, to sign for and on behalf of the City Government the said MOA.

The joint committee further recommends the:

1. Inclusion of the electric consumption as counterpart of the City Government
2. CDRRMO personnel who will man and monitor the instrument shall undergo orientation and training with PHIVOLCS

Respectfully Submitted by:

HON. MARK ANGELO B. DAYAG

Chairman, Committee on Infrastructure and Public Utilities

HON. MARY MARJORIE P. MARTIN-CHAN

Vice Chair, Committee on Infrastructure and Public Utilities

HON. RONALDO S. ORTIZ

Member, Committee on Infrastructure and Public Utilities

HON. MARIA ROSARIO B. SORIANO

Chair, Committee on Sustainability, Climate Change, Environment Protection, and Ecology

HON. IMOGEN CLAIRE M. CALLANGAN

Vice Chair, Committee on Sustainability, Climate Change, Environment Protection, and Ecology



HON. TIRSO V. MANGADA

Member, Committee on Sustainability, Climate Change, Environment Protection, and Ecology

 **HON. CERENE PEARL T. QUILANG**

Member, Committee on Sustainability, Climate Change, Environment Protection, and Ecology



HON. JUDE T. BAYONA

Member, Committee on Sustainability, Climate Change, Environment Protection, and Ecology

CITY RESOLUTION NO. _____

**RESOLUTION APPROVING THE MEMORANDUM OF AGREEMENT BETWEEN
THE TUGUEGARAO CITY GOVERNMENT AND THE PHILIPPINE INSTITUTE OF
VOLCANOLOGY AND SEISMOLOGY (PHIVOLCS) RELATIVE TO THE LOT AREA
TO BUILD A STRONG MOTION HOUSE FOR THE INSTALLATION OF
ACCELEROGRAPH AND AUTHORIZING THE CITY MAYOR, HON. MAILA
ROSARIO S. TING-QUE, TO SIGN FOR AND ON BEHALF OF THE TUGUEGARAO
CITY GOVERNMENT THE SAID MOA**

WHEREAS, Section 455 of Republic Act 7160, otherwise known as the Local Government Code of 1991, provides that local chief executives shall represent the City in all its business transactions and sign in its behalf all bonds, contracts and obligations, and such other documents upon authority of the Sangguniang Panlungsod or pursuant to law or ordinance;

WHEREAS, Philippine Institute of Volcanology and Seismology (PHIVOLCS) have been maintaining and developing a network of strong motion accelerograph in the country which aims to record near-field earthquakes that normally cannot be recorded completely by the usual seismographs;

WHEREAS, PHIVOLCS has requested the City Government to provide an area of at least 5 meters by 5 meters (25 square meters) for the construction of the strong motion house purposely for the installation of the accelerograph instrument;

WHEREAS, the MOA provides that PHIVOLCS shall be responsible for the construction of the strong motion house and the provision of the said instrument;

WHEREAS, the subject instrument is equipped with solar panel and has back up battery to be used in case of power failure;

WHEREAS, the City Disaster Risk Reduction and Management Office has already identified a space beside their office building to accommodate the construction of the strong motion house;

WHEREAS, the Ninth City Council during its 138th Regular Session held on May 27, 2025 deemed it necessary to approve the subject MOA and authorize the City Mayor to sign for and on behalf of the City Government.

NOW, THEREFORE, RESOLVE, as it is hereby **RESOLVED**, to approve the Memorandum of Agreement between the Tuguegarao City Government and PHIVOLCS and to authorize the City Mayor, Hon. Maila Rosario S. Ting-Que, to sign for and on behalf of the Tuguegarao City Government the Memorandum of Agreement.

RESOLVED FURTHER, to furnish a copy of this resolution to the DOST-PHIVOLCS for information and proper action.

On joint motion, **CITY RESOLUTION NO. _____** was **APPROVED**.

MEMORANDUM OF AGREEMENT

KNOW ALL MEN BY THESE PRESENTS:

This Memorandum of Agreement, made and entered into by and between:

The **CITY GOVERNMENT OF TUGUEGARAO**, Province of Cagayan, a local government unit with office address at Carig Sur, Tuguegarao City, Cagayan represented herein by its Mayor **MAILA ROSARIO S. TING-QUE**, hereinafter referred to as "**CITY**".

— and --

The **PHILIPPINE INSTITUTE OF VOLCANOLOGY AND SEISMOLOGY (PHIVOLCS)** with office address at PHIVOLCS Building, C.P. Garcia Avenue, UP Campus, Diliman, Quezon City, represented in this agreement by **DR. TERESITO C. BACOLCOL** in his capacity as the Director, hereinafter referred to as "**DOST-PHIVOLCS**",

WITNESSETH

WHEREAS, DOST-PHIVOLCS is the Philippine government agency mandated to avert disasters arising from geotectonic processes (earthquakes, and related geotectonic phenomena such as faulting, landslides and tsunami) and mitigate risks arising there from through formulation of up-to-date comprehensive disaster preparedness and loss reduction action plans;

WHEREAS, DOST-PHIVOLCS, aims to establish, operate and maintain strong motion monitoring instruments within the Province of Cagayan in order to record strong seismic events coining from various earthquakes sources around the province;

WHEREAS, the CITY, aware of the needs of **DOST-PHIVOLCS** to establish strong motion monitoring station in the Province of Cagayan, aims to collaborate with **DOST PHIVOLCS** to gather these very important data that could be used for estimating seismic ground shaking hazards and in implementing sound engineering design in urban areas;

NOW THEREFORE, for and in consideration of the foregoing premises and their mutual covenants hereinafter set forth, the parties hereto agreed as follows:

A. Undertaking by the CITY:

1. That the CITY, in consideration of the benefits that a strong motion instrument can give to the Province of Cagayan, and the country as a whole, hereby agrees to allow DOST-PHIVOLCS to construct Strong Motion house for the installation of strong motion instrument inside the premises or lot owned by the CITY, with an area of 5m x 5m, free of all costs for the occupation of the premises and the minimal electrical consumption;
2. That the CITY shall allow DOST-PHIVOLCS to gain access to the strong motion house during its regular visits for maintenance and data downloading;
3. That the CITY in coordination with DOST-PHIVOLCS shall ensure the safety and security of the equipment at all times;
4. That the equipment shall not be moved to another place unless agreed upon by both parties;
5. In case of any problem arising related to the functioning of the equipment, the CITY shall inform DOST-PHIVOLCS immediately. Only PHIVOLCS personnel are allowed to check the instrument and decide on whatever proper action to be taken concerning said instruments;
6. That the CITY shall allow one employee to undergo orientation and proper training with PHIVOLCS in order to appropriately man and monitor the instrument;

REPUBLIC OF THE PHILIPPINES
_____) S.S

ACKNOWLEDGMENT

BEFORE ME, on the date and place first above-given, personally appeared DR. TERESITO C. BACOLCOL, Driver's license No NO1-080024718 valid until March 2031 and, MAILA ROSARIO S. TING-QUE with ID No. _____, valid until _____, all known to me to be the same persons who executed the foregoing instrument consisting of three (3) pages, including this page upon which this acknowledgment is written, signed in every page thereof by the parties and their witnesses and acknowledged to me that the same are their free act and voluntary act and deed and that of the entities that they represent.

WITNESS MY HAND AND SEAL on this ____ day of _____ 2025 at _____, Philippines.

Doc. No. _____;
Page No. _____;
Book No. _____;
Series of 2025.