



**Seismological Observation and
Earthquake Prediction Division
(SOEPD)**

External Services



8. Hazard Maps (Probabilistic, deterministic and seismicity map)

Probabilistic Ground Shaking Hazard Map – is a map that depicts the associated earthquake ground motion (in units of g; g = acceleration of gravity) for a probability level which are applied in seismic provisions of building codes, insurance rates, risk assessment and other public policy.

Deterministic Ground Shaking Hazard Map – is a map that depicts the associated earthquake ground shaking hazard (in intensity or in units of g; g = acceleration of gravity) as modeled using knowledge of the physical process of earthquake generation, level of seismic activity and wave propagation in the specified area.

Seismicity Map - plots catalogue of earthquake epicenters as circles on a specified map, with varying size and color indicating magnitude and depth accordingly; catalogue will only cover available data in a specified time period and area in the Philippines.

Office or Division:	Seismological Observation and Earthquake Prediction Division (SOEPD)			
Classification:	Simple			
Type of Transaction:	G2C – Government to Citizen			
Who may avail:	All			
CHECKLIST OF REQUIREMENTS		WHERE TO SECURE		
1. Letter of request addressed to PHIVOLCS Director		Third Floor, Room 305, Seismological Observation and Earthquake Prediction Division		
2. Proof or evidence for waiver of fees (e.g. valid ID, letter of indigency)				
All documents submitted to PHIVOLCS shall be part of PHIVOLCS records. These will not be returned to the client.				
CLIENT STEPS	AGENCY ACTIONS	FEES TO BE PAID	PROCESSING TIME	PERSON RESPONSIBLE
1. Submit the required documents to the Data Management personnel.	1. Receive the required documents and check for completeness 1.1 Furnish copies of request to the Office of the Director/ Division Head		Half day	Ishmael Narag, Supervising Science Research Specialist, Seismic and Tsunami Data Management



	<p>1.2 Receive comments/ instructions from the Office of the Director/ Division Head</p> <p>1.3 Clarify request details with client</p>			
<p>2. Fill-out the required information in the Request for Earthquake and Tsunami Data Form and indicate means of payment and method of claiming requested data</p>	<p>2. Check request form if all fields are filled-out.</p> <p>2.1 Issue an Order of Payment if all required documents are complied</p>	<p>PhP150.00/ A4 size page color print.</p> <p>PhP300.00 for digital data in pdf format</p> <p>Exemptions on fees are now implemented for certain clients; (Clients from state universities/ colleges, government agencies and institutional partners with existing data sharing agreements are exempted from payment of fees. Fees are also waived for clients who are persons with disabilities, senior citizens or indigent clients.)</p>	<p>Half day</p>	<p>Designated Data Management personnel - Myleen C. Enriquez/ Maila P. Advincula/ Jay Flenson Gallardo</p>



		Printer-ready standard seismicity maps are also available at the PHIVOLCS website.		
3. Pay to Cashier the appropriate applicable fees indicated in the Order of Payment issued by the Data Management personnel. If data request will be sent through mail, postal money order to PHIVOLCS and paid courier pouch should be sent to Seismic and Tsunami Data Management personnel.	3. Accept the payment based on the Order of Payment 3.1 Issue the Official Receipt 3.2 Start processing the request 3.3 Review requested data for release		One day	PHIVOLCS Cashier and designated Data Management personnel
4. On the 3 rd working day, claim the requested map by showing the Official Receipt as the claimant is the requesting party or authorized representative	4. Check the Official Receipt. 4.1 Issue the requested document to the stakeholder 4.2 Provide a Stakeholder Satisfaction Form to the client to be accomplished			Designated Data Management personnel – Myleen C. Enriquez/ Maila P. Advincula/ Jay Flenson Gallardo
5. Fill-out the Stakeholder Satisfaction Form. If this data request was done through e-mail, the Stakeholder	5. Receive and check if the Stakeholders Satisfaction Form is properly and		Half day	Designated Data Management personnel – Myleen C. Enriquez/ Maila P. Advincula/



Satisfaction Form will be e-mailed to the same account.	completely accomplished.			Jay Flenson Gallardo
	TOTAL		2.5 days	



9. Catalogue: Earthquake Data

Waveform Data—is a graphical representation of an earthquake signal as recorded by a seismograph or an accelerograph installed in any of the earthquake monitoring stations operated by PHIVOLCS. Digital data are provided raw, which means that it has received no processing that involves any hypothesis as to the nature of the earthquake and the character or frequency content of the ground motion or recording instruments.

Earthquake Catalogue -- is a list or tabulation of earthquake data, typically compiled or grouped together because they share a common type, origin, means of detection, or method of discovery. The Official PHIVOLCS Earthquake Catalogue consists of basic parameters (date/time, latitude and longitude of epicenter, depth, magnitude, and reported intensities, if any) of earthquake events that have been recorded and processed by the seismic monitoring system in the Philippines. While we endeavor to keep the content up-to-date and correct, PHIVOLCS makes no representations or warranties of any kind, express or limited, about the completeness, accuracy, reliability, suitability or availability with respect to the existing catalogue for any purpose

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CHECKLIST OF REQUIREMENTS		WHERE TO SECURE		
1. Letter of request addressed to PHIVOLCS Director		Third Floor, Room 305, Seismological Observation and Earthquake Prediction Division (SOEPD)		
2. Completed Request for Earthquake and Tsunami Data Form				
3. Data User Agreement and Terms of Data Use (for Waveform data)				
4. Proof or evidence for waiver of fees (e.g. valid ID, letter of indigency)				
All documents submitted to PHIVOLCS shall be part of PHIVOLCS records. These will not be returned to the stakeholder				
CLIENT STEPS	AGENCY ACTIONS	FEES TO BE PAID	PROCESSING TIME	PERSON RESPONSIBLE
1. Submit the required documents to the Seismic and Tsunami Data Management personnel.	1. Receive the required documents and check for completeness 1.1 Furnish copies		Half day	Ishmael Narag, Supervising Science Research Specialist, Section Head - Seismic and



	<p>to Office of the Director/ Division Head</p> <p>1.2 Receive comments/ instructions from Office of the Director/ Division Head</p> <p>1.3 Clarify request details with client</p>			Tsunami Data Management
<p>2. Pay to Cashier the appropriate applicable fees indicated in the Order of Payment issued by the Seismic and Tsunami Data Management personnel. If data request will be sent through mail, postal money order to PHIVOLCS and paid courier pouch should be sent to Data Management personnel.</p>	<p>2. Accept payment based on the Order of Payment for processing</p> <p>2.1 Issue the Official Receipt</p> <p>2.2 Start processing the request</p> <p>2.3 Review and approve requested data for release</p>	<p>Earthquake Catalogue: PHP 10.00 / printed A4 size page of the earthquake data</p> <p>PHP 300.00 per data disc</p> <p>Exemptions on fees are now implemented for certain clients; (Clients from state universities/colleges, government agencies and institutional partners with existing data sharing agreements are exempted from payment of fees. Fees are also waived for</p>	One (1) day	PHIVOLCS Cashier and designated Data Management personnel



		clients who are persons with disabilities, senior citizens or indigent clients.)		
3. On the 3 rd working day, claim the Earthquake Data showing the Official Receipt as proof that the claimant is the requesting party or authorized representative. If data request will be sent through mail, data will be secured in prepaid pouch and sent to the mailing address, together with the Official Receipt.	3. Check the Official Receipt 3.1 Issue the requested document to the client Provide a Stakeholder Satisfaction Form to the client to be accomplished.		Half day	Data Management personnel – Myleen C. Enriquez/ Maila P. Advincula/ Jay Flenson Gallardo
4. Fill-out the Stakeholder Satisfaction Form that the Data Management personnel will provide to you. If this data request was done through e-mail, the Stakeholder Satisfaction Form will be e-mailed to the same account.	4. Receive the Stakeholder Satisfaction Form from the client 4.1 Check if the form is properly and completely accomplished. 4.2 Organize all related documents for filing		Half day	Data Management personnel – Myleen C. Enriquez/ Maila P. Advincula/ Jay Flenson Gallardo
	TOTAL		2.5 days	



10. Certification of Earthquake Occurrence

Certification of Earthquake Occurrence – states whether an earthquake event has occurred in a specified area at a specific date. This certification reflects available information in the records maintained by the Seismic and Tsunami Data Management Section. This includes the date, time, location, depth, magnitude and reported intensities of the earthquake event; the recent intensity ratings are as described in the PHIVOLCS Earthquake Intensity Scale (PEIS). Description of the highest reported intensity is also included in the certification. While we endeavor to keep the content up-to-date and correct, PHIVOLCS makes no representations or warranties of any kind, express or limited, about the completeness, accuracy, reliability, suitability or availability with respect to the existing catalogue for any purpose.

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2. Proof or evidence for waiver of fees (e.g. valid ID, letter of indigency)				
All documents submitted to PHIVOLCS shall be part of PHIVOLCS records. These will not be returned to the client.				
CLIENT STEPS	AGENCY ACTIONS	FEES TO BE PAID	PROCESSING TIME	PERSON RESPONSIBLE
1. 1. Submit the required document to the Seismic and Tsunami Data Management personnel	1. Receive the required document 1.1 Furnish copies to Office of the Director/ Division Head 1.2 Receive comments/ instructions from Office of the Director/ Division Head 1.3 Clarify request		Half day	Ishmael Narag, Supervising Science Research Specialist, Section Head - Seismic and Tsunami Data Management



	details with client			
<p>2. Fill up the required information in the Request for Earthquake and Tsunami Data Form and indicate means of payment and method of claiming requested data. * Make sure to secure the Order of Payment that will be issued.</p>	<p>2. Receive the filled up form and check for completeness 1.1 2.1 Issue the Order of Payment</p>	<p>PHP 500.00 for business, government, corporate request and use. PHP200.00 for personal and individual use Exemptions on fees are now implemented for certain clients; (Clients from state universities/ colleges, government agencies and institutional partners with existing data sharing agreements are exempted from payment of fees. Fees are also waived for clients who</p>	<p>Half day</p>	<p>Data Management personnel – Myleen C. Enriquez/ Maila P. Advincula/ Jay Flenson Gallardo</p>



		are persons with disabilities, senior citizens or indigent clients.)		
3. Pay to Cashier the appropriate applicable fees indicated in the Order of Payment issued by the Data Management personnel. If data request will be sent through mail, postal money order to PHIVOLCS and paid courier pouch should be sent to Data Management personnel;	3. Accept the payment based on the Order of Payment for processing 3.1 Issue the Official Receipt 3.2 Start processing the request 3.3 Review and approve requested data for release		One day	PHIVOLCS Cashier and designated Data Management personnel
4. On the 3 rd working day, claim the Certification showing the Official Receipt as proof that the claimant is the requesting client or its authorized representative.	4. Check the Official Receipt 4.1 Issue the Certificate of Earthquake Occurrence 4.2 Provide a Stakeholder Satisfaction Form to the client to be accomplished.		Half day	Data Management personnel – Myleen C. Enriquez/ Maila P. Advincula/ Jay Flenson Gallardo
5. Fill out the Stakeholder Satisfaction Form that the Data Management personnel will hand to you. If the	5. Receive Stakeholders Satisfaction Form from the client 5.1 Check if the form is properly and completely		Half day	Data Management personnel – Myleen C. Enriquez/ Maila P. Advincula/ Jay Flenson Gallardo



request was done through e-mail, the Stakeholder Satisfaction Form will be e-mailed to the same account	accomplished. 5.2 Organize all related documents for filing			
	TOTAL		3 working days	