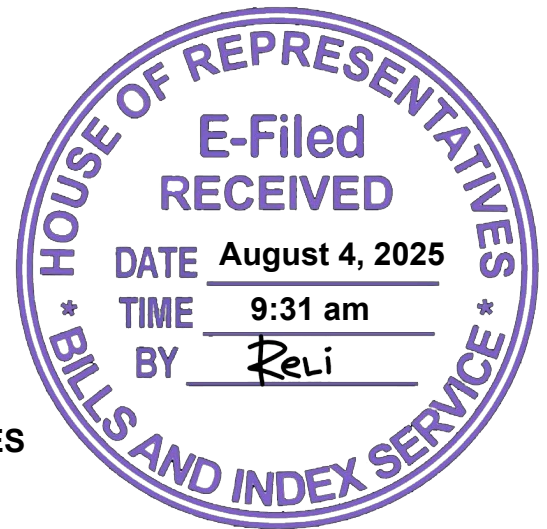




Republic of the Philippines  
HOUSE OF REPRESENTATIVES  
Quezon City



**TWENTIETH CONGRESS**  
First Regular Session

**HOUSE BILL NO. 2889**

---

**Introduced by Rep. Romeo S. Momo, Sr.**

---

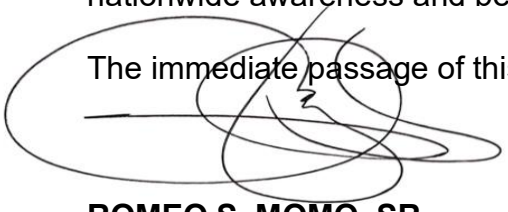
**EXPLANATORY NOTE**

The serious impact of Climate Change is imminent and dangerous, including, but not limited to super-typhoons and severe flooding together with other rain-related disasters. This is further aggravated by the country's natural vulnerability to disasters.

It is a State policy to provide protection for the safety of life and limb of the Filipino people against natural and man-made calamities.

Thus, it is the intent of this measure to require all new subdivisions, condominium communities, malls, government institutions, central business districts, information technology parks, and other vital public establishments to construct rain harvesting facility to pre-empt floods caused by incessant and continuous heavy rains and storms on one hand, and to provide adequate source of household water on the other. With similar intent, spirit and purpose to the existing proposed measures, albeit limited to some areas only, this proposed measure intends to cover the entire Philippines to achieve maximum nationwide awareness and benefit.

The immediate passage of this bill is therefore most earnestly sought.



**ROMEO S. MOMO, SR.**  
1<sup>st</sup> District Representative  
Surigao del Sur



Republic of the Philippines  
House of Representatives  
Constitution Hills, Batasan Complex, Quezon

TWENTIETH CONGRESS  
First Regular Session House Bill No. 2889

INTRODUCED BY  
REPRESENTATIVE ROMEO S. MOMO

---

AN ACT

MANDATING THE ESTABLISHMENT AND MAINTENANCE OF A  
RAINWATER HARVESTING FACILITY IN ALL NEW INSTITUTIONAL,  
COMMERCIAL, INDUSTRIAL, AND RESIDENTIAL DEVELOPMENT  
PROJECTS NATIONWIDE

*Be it enacted by the Senate and the House of Representatives of the Philippines in  
Congress assembled*

**SECTION 1. *Short Title.*** – This Act shall be known as the “*Rainwater Harvesting Facility Act*”.

**SEC. 2. *Declaration of Policy.*** – It is a declared policy of the State to protect and advance the rights of the people to a balanced and healthful ecology in accord with the rhythm and harmony of nature. Pursuant thereto, the State shall mandate the installation of rainwater collectors and rainwater harvesting facilities to promote sufficient water supply in time of calamities or weather disturbance due to the effects of climate change and to reduce flooding problems in the country. It shall urge the conservation of potable water and shall engage the active participation of the public and private sector in the flood mitigating efforts and initiatives of the government.

To this end, the State shall mandate the construction of rainwater harvesting facilities in all new public and private institutional, commercial, industrial, and residential development projects nationwide. Owners or developers of these development projects requiring the issuance of building permits are likewise mandated to design and construct a rainwater harvesting facility to prevent or delay the release of rainwater and runoff water into the drainage systems, creeks, and natural waterways.

**SEC. 3. *Purpose.*** – This Act seeks to establish minimum rainwater management requirements and controls to protect and safeguard the general health, safety, and welfare of the public against the ill effects of flood on one hand, and water shortage on the other. This Act pursues the following objectives:

(a) Reduction of flooding, siltation, increases in stream temperature and stream bank erosion, and maintain the integrity of stream channel by regulating the accumulation of rainwater runoff in any proposed and existing institutional, commercial, industrial, and residential developments;

(b) Prevention of the degradation of water quality by averting non-point source pollution caused by rainwater runoff developments;

(c) Regulation of the annual volume of surface water runoff from any specific site during and following a development so as not to exceed the pre-development hydrologic regime in an area; and

(d) Establishment of standards for rainwater management control to ensure that these standards and the facilities thus built are properly complied with and do not pose a threat to public safety.

**SEC. 4. *Definition of Terms.*** – As used in this Act:

(a) ***Applicant/Permittee*** – refers to any person, firm, partnership, corporation, head of government or private institution, or an organization of any character applying for the issuance of permits and certificates;

(b) ***Building/Structure*** – refers to a three-dimensional physical development erected within a lot or property, or any combination of, or all of its three different levels (at grade, below grade, above grade). The term buildings/structures as used in

this Code shall invariably refer to both proposed and existing physical developments within a lot;

(c) ***Building Official*** – refers to a building official as appointed or designated pursuant to Presidential Decree No. 1096, otherwise known as the National Building Code of the Philippines (NBCP);

(d) ***Building permit*** – refers to a legal document issued by the Building Official which serves as authorization to begin any construction, demolition, addition, or renovation of a property;

(e) ***Certificate of occupancy*** – refers to a permit issued by the Office of the Building Official (OBO) indicating that the use of the building or land is in conformity with the Zoning Ordinance or that has been a legal variance therefrom;

(f) ***Channel*** – refers to a natural or artificial watercourse with definite bed and banks that conducts flowing water continuously or periodically;

(g) ***Detention*** – refers to a rainwater management practice of temporarily storing rainwater runoff to control the peak discharge rate and to likewise induce settling of pollutants through gravity;

(h) ***Developer*** – refers to a person or entity who undertakes land improvement and land development activities; a developer may only be contracted to develop and may or may not be the owner of the development, such as a building structure being built;

(i) ***Development*** – refers to any man-made change to improved or unimproved real estate, including buildings or other structures, mining, dredging, filling, grading, paving, excavations, or drilling operations;

(j) ***Flood frequency*** – refers to a record of past flood events or occurrences that yield flood estimates used principally to compare expected changes in flood damages with economic and social cost or benefits guiding a contemplated action;

(k) ***Infiltration*** – refers to the process of percolating or gradually filtering rainwater into the subsoil;

(l) ***Institutional building*** – refers to civic building that can be funded privately or by the government. It also refers to any structure that fulfills a role

related to healthcare, education, recreation, or public works. It shall include city, municipal and *barangay* halls, court houses, judicial centers, executive and legislative buildings, police headquarters, detention facilities, military bases, police and fire stations, transportation terminals, schools and universities, museums, art galleries, cultural centers and the like;

(m) ***Office of the Building Official (OBO)*** – refers to the Office authorized to enforce the provisions of PD 1096 and its implementing rules and regulations in the field as well as the enforcement of orders and decisions made pursuant thereto.

(n) ***Rainwater*** – refers to water fallen as liquid precipitation from roof catchment or other hard impervious non-pedestrian, non-vehicular surface that is captured, filtered and stored;

(o) ***Rainwater collection*** – refers to the capture, diversion and storage of rainwater for a number of different purposes including, but not limited to, landscape irrigation;

(p) ***Rainwater Collection System*** – refers to a facility designed to capture, retain, and store rainwater flowing off a building, parking lot, or any other manmade, impervious surface, for subsequent onsite use;

(q) ***Rainwater Design Manual*** – refers to the Planning and Design Manual for the Control of Erosion, Sediment and Rainwater of the Department of Public Works and Highways (DPWH);

(r) ***Rainwater harvesting facility*** – refers to a structure such as a vertical detention tank, horizontal water tank, open retarding basin, and multi-use water catchment area, or an on-site regulation pond used to prevent or delay the release of rainwater into the public drainage system;

(s) ***Rainwater management*** – refers to the use of structural or non-structural practices that are designed to reduce rainwater runoff pollutant loads, discharge volumes, and peak flow discharge rates;

(t) ***Rainwater runoff*** – refers to water flow on the surface of the ground, resulting from precipitation;

(u) ***Rainwater treatment*** – refers to a process by which collected rainwater is filtered or cleaned through either structural or non-structural means to prevent or reduce point source or nonpoint source pollution inputs to rainwater runoff and water bodies, as well as to upgrade rainwater for re-use;

(v) ***Recharge*** – refers to the replenishment of underground water reserves;

(w) ***Redevelopment*** – refers to any construction, alteration or improvement exceeding one hundred (100) square meters in high density areas where existing land use is for commercial, industrial, institutional, or multi-family residential purposes;

(x) ***Return period*** – refers to the average length of time in years for a rain-related natural disaster of given magnitude to be equaled or exceeded by the length of time that a rainwater-related disaster may probably recur;

(y) ***Surface water*** – refers to all naturally occurring water found in estuaries, lakes, rivers, ponds, reservoirs, ponds, seas, etc.;

(z) ***Watercourse*** – refers to a permanent or intermittent stream or other body of water, either natural or man-made, which gathers or carries surface; and

**SEC. 5. *Rainwater Harvesting Facility Requirement.*** – An owner or developer of a new institutional, commercial, industrial, or residential development project shall incorporate in its building plan a rainwater collection system consistent with the purpose of this Act.

It is hereby prescribed that all new government buildings should incorporate in their design a rainwater harvesting facility and facility for storage. It is also prescribed that such rainwater harvesting and storage facilities shall be constructed in all old government buildings.

The DPWH, through its attached agencies, and in coordination with the Department of Science and Technology (DOST) or any government agency mandated to ensure sufficient supply of drinking water, shall install a rainwater treatment facility in all new government institutional buildings. The Department of Health (DOH) shall supervise the filtration and purification processes to ensure that the rainwater is safe for drinking.

The rainwater treatment facility or device shall be regularly monitored and evaluated by the DPWH, in coordination with the DOH, DOST, and the Department of Environment and Natural Resources (DENR), through the local government units (LGUs) concerned.

To conserve potable water, rainwater collected by a harvesting facility may be used for non-potable and suitable purposes, such as gardening and air-cooling processes as provided for under Section 8 of this Act.

**SEC. 6. *Requirements for Rainwater Management Plan.*** – All project owners or developers of proposed commercial, industrial, and residential development or any residential multi-dwelling units of more than one thousand square meters (1,000 sqm) land area must submit a Rainwater Management Plan (RMP) as part of the site development application and approval process.

The RMP shall include the following information:

- (a) Description of existing conditions in the location of the development site:
  - i. Topographic map with 1.0-meter minimum contours line or an appropriate contour interval of the land proposed for development or redevelopment;
  - ii. Location of natural waterways including banks and centerline of streams and channels;
  - iii. Normal shoreline, coastlines, outline of lakes, natural depressions and ponds, including drainage flow lines; and
  - iv. Quantification of flows (discharge and volume) in its natural condition.
- (b) Proposed Site Development Plan (SDP) in an appropriate scale and size showing the following:
  - i. Retention/detention basins and lines of inflow and outflow;
  - ii. Location, size and slope of rainwater conduits and drainage swales;
  - iii. Rain, sanitary and combined sewer and outfalls;
  - iv. Delineation of upstream and downstream drainage features and watersheds which might be affected by the development; and

v. Other environmental features including limits of wetland areas, green buffers, planting strips, and any designated natural areas for rainwater management.

(c) Description of the proposed Rainwater Management System (RMS) to safely and completely manage rainwater runoff onsite or offsite, help maintain the natural hydrologic cycle and condition of flow in a locality and reduce the risk of downstream flooding.

The proposed RMS shall be accompanied by hydrologic and hydraulic calculations to adequately demonstrate the effectiveness of the RMP. It shall be designed to meet the desired flood frequency which is designed to a particular drainage structure as stated in the Design Manual of the DPWH; *Provided*, That a 25-year flood frequency or higher may be required for major rivers and waterways, subject to the design criteria in Section 9 of this Act.

The RMP shall be accompanied by relevant information such as rainfall data in a locality, maps, and other descriptive material to include the following:

(a) The extent of catchment and drainage channels on site, and direction of the flow of the channels including the final outfall of the discharge from the site;

(b) Hydrologic and hydraulic design calculations for the predevelopment and post-development conditions of an RMS as required under Section 9 hereof. The calculations for determining peak flows include a description of storm frequency, intensity, duration, time of concentration, soil curve number or runoff coefficients, peak runoff rates and total runoff volumes, infiltration rates, culvert capacities, flow velocities, data on the increase in rate and volume of runoff for the design storm; and

(c) Technical specifications of the proposed RMS, including a description of proposed rainwater conveyance practices on-site, existing off-site rainwater conveyance systems including receiving streams, channels, and outfall inlet locations, and elevations of locations and high-water elevations.

**SEC. 7. Chemicals, Effluents, and other Contaminants.** – Prior to the issuance of a building permit for their development or re-development, all industrial plants and estates shall secure the appropriate certification from the DENR that all

chemicals used in their operations, their by-products effluents, and other operational discharges do not contain harmful contaminants that can be washed by or into the rainwater.

The type of roofing must also be identified and assessed if used for collecting rainwater as some roofing materials may seep chemicals that can cause adverse effects if ingested, used in irrigation, fishponds, groundwater recharge, among others.

**SEC. 8. Utilization of Rainwater.** – Rainwater shall be harvested for the following uses:

(a) ***Rainwater for urban irrigation*** – Due to the high cost of Class A water, its use for yard irrigation shall be minimized if not prohibited and instead, water for irrigation shall come from the rainwater detention system.

Rainwater as a source of urban irrigation or watering of lawns shall be indicated in all development plans. Treated grey water from effluent of treatment facility may be a secondary source of water for urban irrigation.

(b) ***Rainwater for underground recharge*** – The RMS is intended mainly to ensure the natural balance of hydrologic cycle by allowing rainwater to recharge the groundwater table that sustains the yield and production of wells. Groundwater table recharging may be in the form of the following management systems:

- i. Lagoons or retention pond that allows for natural seepage to the ground water aquifer;
- ii. Swales and depression storage;
- iii. Porous or paver blocks on some developed areas; and
- iv. Retention channels.

The sizes and dimensions of any of the above facilities shall be dependent on the rainfall intensity and the size of the development.

(c) ***Rainwater for firefighting*** – Rainwater may be substitute or augment the firefighting requirement, subject to health and corrosion standards. A separate storage tank for fire water reserve shall be constructed. Other laws concerning the requirement of water for firefighting shall be considered.

(d) ***Rainwater for construction*** – Simple filtration systems and other applicable methods to remove suspended solids and other coarse materials may be employed to improve water quality and avert adverse effects to construction equipment and the environment.

(e) ***Rainwater for other non-potable water supply*** – Rainwater shall be subjected to primary and secondary treatment to make it a viable secondary source for the following purposes:

- i. Washing of cars, floor yards;
- ii. Flushing of toilet (water quality should meet certain standards to avoid discoloration of fixtures); and
- iii. Fishponds, aquariums and the like.

(f) ***Rainwater for potable uses*** – To make it potable, rainwater may be collected, processed, subjected to filtering innovations or technological interventions and used for drinking, cooking, dishwashing, and bathing, subject to water standards.

Potable water quality shall at all times comply with the requirements and standards of the Philippine National Standard for Drinking Water (PNSDW).

(g) ***Rainwater for ecological requirements*** – Seasonal fluctuation of rainfall affects the rain flora and fauna of waterways. Rainwater runoff shall therefore be managed properly to allow steady release of water to waterways, thus ensuring the continued supply of water.

**SEC. 9. Preparation of the Rainwater Design Manual.** – The DPWH shall prepare the Rainwater Design Manual (RDM) which must provide, among others, information on the following: (1) conveyance system of the rainwater harvesting facility, (2) make of the rainwater retention facility, (3) management of rainwater discharge to control flooding, (4) protection of the local water bodies from pollution through rainwater discharge treatment, (5) dike or bank protection for water bodies receiving rainwater discharge, and (6) utilization options for collected rainwater.

The RDM shall contain the following guidelines:

(a) All sites shall establish an RMS to control the peak flow rates of rainwater discharge and to allow RMS facility to treat collected rainwater for both quality and

quantity. Peak post-construction rainwater runoff should not exceed peak pre-construction rainwater runoff from the site to the greatest extent possible;

(b) A structural and non-structural Rainwater Treatment System (RTS) shall be designed to treat the first 20 millimeters of rainwater runoff.

Thus, for every one (1) hectare or new development, a 200 cubic meter detention or retention tank shall be constructed to minimize flooding and improve water quality. Sanitary wastewater treatment facilities shall be designed and installed to comply with existing health regulations and the effluent standard of the DENR.

The integration of an RTS shall be dependent on the intended use of collected rainwater. Rainwater to be used for an urban irrigation, or underground recharge purposes, need no extensive purification process as against rainwater to be used for household or consumption. Furthermore, in practice, separation of the first flush or rainwater is performed to improve the quality of collected rainwater in the storage tank.

(c) Untreated sanitary waste shall not be discharged to waterways and land surface without proper treatment and shall not come in contact with rainwater runoff. The discharge of treated effluent to water bodies shall be in accordance with the river classification. For unclassified rivers and water courses, effluents should meet the Class C water category. To be discharged to an urban drainage system, effluents should meet the Class D water category. In all cases, the prescription provided by the DENR shall be followed;

(d) The velocity of runoff water shall be limited to less than 1.0m/s to protect stream channels from degradation;

(e) Rainwater discharges to critical areas with sensitive resources (including shellfish beds, swimming areas, water supply reservoirs and groundwater recharge areas) may be subject to additional performance criteria and management restrictions;

(f) Rainwater discharges from land uses or activities with higher potential pollutants loadings, known as "hotspots," must be in accordance with the specific structural and pollution prevention practices;

(g) Rainwater storage and draining systems must be secured from mosquito breeding and those of other similar insects that may endanger public health;

(h) Prior to designing the RDM, an applicant for a building permit must consult with the Building Official, or in the absence of an Office of Building Official (OBO), the city or municipal engineering office, to determine compliance with additional rainwater design requirements;

(i) For existing development or developed areas, the RMS requirement must be imposed on the following conditions:

i. The total storage volume of rainwater may be the cumulative volume stored from various source such as cistern, lagoon onsite or offsite, and a depression storage; and

ii. That at least 50% of the required volume shall be met within five (5) years from the effectivity of this Act.

The DPWH, Department of Human Settlements and Urban Development (DHSUD), DENR, and LGUs concerned through its Building Official, or in the absence of an Office of Building Official (OBO), the city or municipal engineering office, shall require the incorporation of a RMS in the design of all new commercial, institutional, industrial, and residential development projects in Metro Manila. The LGUs shall ensure that these facilities are built during the construction phase of the projects.

In formulating the design manual, the DPWH shall consult the experts of the Philippine Atmospheric, Geophysical, and Astronomical Services Administration (PAGASA) and DENR on requirements that entail scientific bases or study.

**SEC. 10. *Design Approval.*** – The provision for a rainwater harvesting facility shall be required by the Building Official, or in the absence of an OBO, the city or municipal engineering office to be incorporated in the design of all new commercial, institutional, and residential development projects nationwide and no project design

shall be approved for construction unless it includes such facility. The Building Official, or in the absence of an OBO, the city or municipal engineer shall ensure that these facilities are built during the construction phase of the projects.

The DPWH shall not approve designs of public buildings that do not contain rainwater harvesting and storage facilities. The Department shall also ensure that these are included in the actual construction of buildings.

**SEC. 11. *Design Requirements.*** – The rainwater harvesting facility must be designed by a registered civil engineer to cope with a pre-determined flood and rain return period and must have a storage capacity prescribed by the DPWH. The design of the rainwater harvesting facility shall include the following:

- (a) Size, shape, and physical characteristics of available space;
- (b) Construction plans with specified material type, including lining and coating requirements;
- (c) Detailed drawing on how the installation will drain into an outfall structure such as a dry well or percolation chamber, storm drain system, drainage channel, or natural wash; and
- (d) Mechanism to exclude mosquitoes and not permit mosquito production.

**SEC. 12. *Building Permits.*** – If the design of a new commercial, institutional, and residential development project with an area of at least one thousand square meters (1,000 sqm) does not provide for a rainwater harvesting facility, the LGU concerned through its Building Official, or in the absence of an OBO, the city or municipal engineering office, shall deny the request for issuance of a building permit for such project.

**SEC. 13. *Construction Inspection.*** –

- (a) The applicant for a building permit must notify the concerned Building Official in advance before the commencement of construction;
- (b) All applicants for building permits for commercial buildings and multi-family residential buildings over four (4) units are required to submit actual drawings of the rainwater management facilities located on-site after final construction. The rainwater facility plan must show the final design specifications for all rainwater

management facilities and must be certified by a licensed engineer. A final inspection of the rainwater facility is required before the release of any performance security, performance bond, or guaranty between the owner or developer and the contractor or builder;

(c) The Building Official, or in the absence of an OBO, the City or Municipal Engineer shall inspect all drainage facilities while under construction. When facilities are not constructed according to approved plans, the LGU shall require the project owner or developer to make necessary corrections. All drainage facilities, whether or not these are owned by or assigned to the LGU, located on private property, shall be accessible at all times for inspection by the City or Municipal Engineer or other responsible public official; and

(d) The Building Official, or in the absence of an OBO, City or Municipal Engineer shall inspect all sanitary waste treatment facilities while under construction of building and upon completion to insure proper installation and connection to wastewater collection systems when applicable. The City or Municipal Engineer shall ensure that sanitary waste treatment facilities are properly functioning before issuing the required certificate of occupancy.

Any contracted architect or civil engineer employed by the owner or developer to plan and supervise the construction of the facility shall not be precluded from inspecting the construction work to check and determine compliance with the plans and specifications of the building, pursuant to the provisions under Inspection and Supervision of Work or Section 308 of the National Building Code of the Philippines.

**SEC. 14. *Issuance of Certification.*** — The LGU concerned through its Building Official, or in the absence of an OBO, the city or municipal engineering office, after proper inspection, shall issue a certification that the owner of an existing institutional, commercial, industrial, and residential building has installed a rainwater collection system in the property. Such certification can be used as proof for tax credit purposes.

**SEC. 15. *Maintenance and Repair of Rainwater Facilities.*** – The owner or developer is expected to perform regular maintenance and repair of the rainwater

facility whenever necessary to make sure that this is in working condition, safe for public use and the environment. At the minimum, the following must be undertaken: (1) visual inspection and cleaning of the facility after major rain events; (2) regular clearing of all sediments, silts, and debris; (3) drainage clean-up; and (4) replacement of filters and insect screens as necessary.

In addition, the owner or developer shall comply with the following requirements:

(a) All rainwater management facilities must undergo a yearly or regular inspection process at a frequency sufficient to determine the functioning ability of the conveyance system and any repair needs; this shall include inspection prior to the beginning of the typhoon season or any forecasted major rains that may equal the design requirements, and after any major rain events;

(b) All drainage and sanitary waste treatment facilities located on private property whether dedicated to the LGU or not, shall be accessible at all times for inspection by the OBO, or in the absence of an OBO, the City or Municipal Engineer or other responsible public officials especially where there is reason to inspect that a malfunction has resulted in rainwater runoff pollution by unsanitary wastes;

(c) Depending on the type of facility, mosquito or insect screens must be replaced as necessary to avoid infestation or breeding grounds for pathogens;

(d) Parties responsible for the operation and maintenance of a rainwater management facility shall make and keep records of the installation, maintenance, and repairs, and shall retain these records for at least five (5) years. These records shall be made available to the city or municipality during inspection of the facility and other reasonable times upon request; and

(e) The Building Official, or in the absence of an OBO, the City or Municipal Engineer, concerned shall notify the owner of the rainwater facility in writing that maintenance work is required on it. The owner will have sixty (60) days from the receipt thereof to ensure that the facility is in proper working condition.

**SEC. 16. Reportorial Requirements.** – The Building Official, or in the absence of an OBO, the city or municipal engineering office, shall require the owner or

developer of all new institutional, commercial, industrial, and residential development projects covered under this Act to submit a compliance report within 12 months from the date of the completion of the project and an annual report of the performance of such rainwater retention facility which may include, but is not limited to information on the total volume of retained rainwater and its utilization. The Building Official, or in the absence of an OBO, the city or municipal engineering office, shall provide the DPWH copies of these compliance and annual performance reports.

The OBO, or in the absence of an OBO, the city or municipal engineering office, shall submit to the DPWH, through the National Building Code Development Office, an annual performance report on the compliance of owners or developers of all new institutional, commercial, industrial, and residential development projects.

**SEC. 17. *Penalties.*** – The owner or developer of all new institutional, commercial, industrial, and residential development projects who fails to construct a rainwater harvesting facility in violation of Section 5 of this Act shall suffer the penalty of a fine of Two Million Pesos (P2,000,000.00) for every year of non-compliance. The OBO shall not issue an occupancy permit to and shall cancel the business permit of the owner or developer of the development project.

In the case of a partnership, association, corporation, or any juridical person, the fine shall be imposed upon the president, treasurer, or any other officer or person responsible for the violation.

If the offender is a foreigner, the foreigner shall be deported immediately without further proceedings after payment of a fine.

**SEC. 18. *Tax Incentives.*** — To encourage the public to promote the installation of rainwater collection system, the owner of an existing residential or commercial building who install a rainwater collection system in his/her property shall be entitled to a tax credit of 10% but not exceeding Ten Thousand Pesos (P10,000.00) of the total real property tax of the said property for a period of two (2) years.

**SEC. 19. *Obligation of the Relevant Agencies.*** — The DPWH, DENR, DHSUD, PAGASA, LGUs, their sub-agencies, and subsidiaries are mandated to

provide full assistance to every project owner or developer covered in this Act in order that the requirements and standards prescribed herein may be properly executed in the design and construction of rainwater harvesting facilities. Agency assistance shall include proper advice, technical guidance, provision for needed data and facilitation of required documents. As much as practicable, all technical and documentation requirements must be at zero to minimal cost to the applicant project owner or developer who shall establish, manage, and maintain a rainwater harvesting facility.

**SEC. 20. *Implementing Rules and Regulations.*** – Within sixty (60) days from the effectivity of this Act, the Secretary of Public Works and Highways, in coordination with the Secretaries of Interior and Local Government, Human Settlements and Urban Development, and Science and Technology, shall promulgate the rules and regulations for the effective implementation of this Act. The implementing rules and regulations (IRR) shall include the standards and guidelines for the design, construction, installation, materials, sites election and planning, site-specific considerations, and maintenance of the rainwater harvesting facility. Likewise, the IRR of this Act shall also include operational provisions on issuance of permits and certifications as well as inspection of the rainwater harvesting facilities.

**SEC. 21. *Separability Clause.*** – If any provision or part of this Act is declared unconstitutional or invalid, other parts or provisions hereof not affected thereby shall continue to be in full force and effect.

**SEC. 22. *Repealing Clause.*** – All other laws, decrees, orders, rules and regulations or parts thereof inconsistent with this Act are hereby repealed or amended accordingly.

**SEC. 23. *Effectivity Clause.*** – This Act shall take effect fifteen (15) days after its publication in the Official Gazette or in a newspaper of general circulation.

*Approved,*