



SPECIAL RELEASE

CONSTRUCTION STATISTICS FROM APPROVED BUILDING PERMITS, CITY OF MARIKINA: 2021

Date of Release: 05 April 2024
Reference No. 2024-SR-021 (PSO II)

Approved building permits reach 446 in 2021

In 2021, more than 400 building permits were approved in the City of Marikina. The total floor area was estimated at 91,524 square meters with cumulative value of PhP 1.35 billion.

The average cost of construction in the City of Marikina—recorded at PhP 14,802.04—was PhP 1,166.26 lower than the regional average of PhP 15,968.30 per square meter.

Relative to National Capital Region (NCR), the City of Marikina shared 4.5 percent to the total number of constructions in the region. The City of Marikina ranked tenth among the 16 cities and one municipality in NCR with the highest number of approved building permits.

Table 1 shows the number, floor area, value, and the average cost per square meter of a building in NCR and the City of Marikina during 2021.

Table 1. Number, Floor Area, Value, and Average Cost of Construction, NCR and City of Marikina: 2021

Region/City	Number	Floor Area (sq.m.)	Value (PhP 1,000)	Average Cost per sq. m. (in PhP)
NCR	9,894	6,560,078	104,753,302	15,968.30
City of Marikina	446	91,524	1,354,742	14,802.04

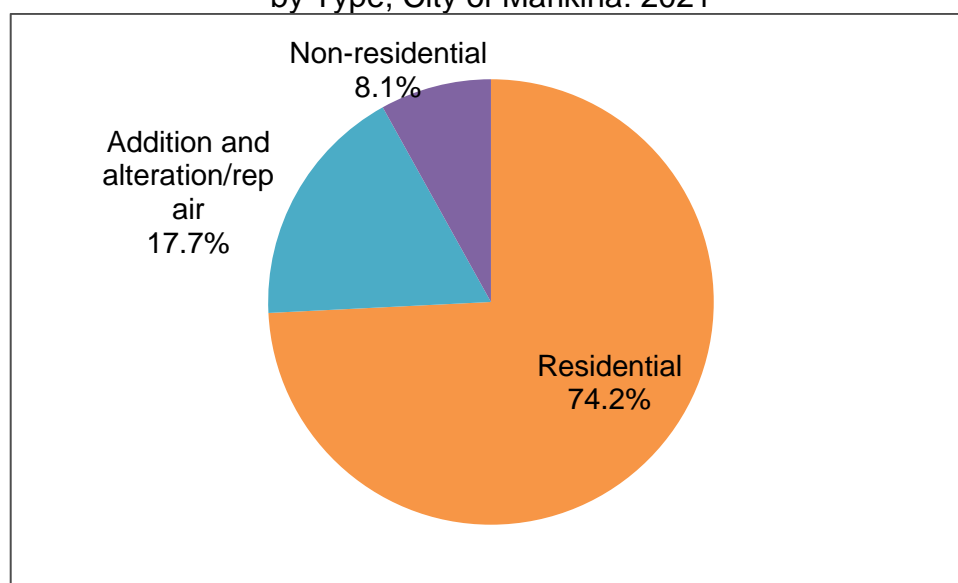
Source: Philippine Statistics Authority, Industry Statistics Division

More than half of constructions in Marikina are residential

Building construction in 2021 was mostly for residential. Approximately seven out of every 10 approved building constructions were residential buildings. Meanwhile, non-residential building construction was recorded at 36 (8.1%). The remaining proportion was accounted for by additions and alteration/repair.

Figure 1 illustrates the percentage distribution of the number of constructions by type in the City of Marikina for 2021.

Figure 1. Percentage Distribution of the Number of Construction by Type, City of Marikina: 2021

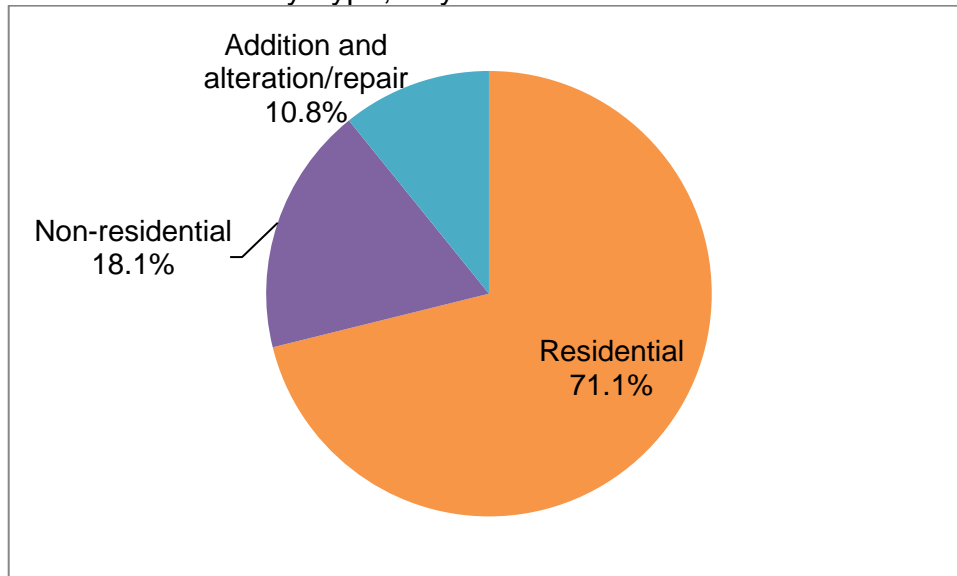


Source: Philippine Statistics Authority, Industry Statistics Division

Consequently, residential buildings recorded the highest value, with PhP 0.97 million, followed by non-residential buildings, with PhP 244.62 million. The remainder was accounted to additions, alteration, and repair.

Figure 2 demonstrates distribution in the value of constructions by type in the City of Marikina for 2021.

Figure 2. Percentage Distribution of the Value of Construction by Type, City of Marikina: 2021



Source: Philippine Statistics Authority, Industry Statistics Division

Cost of construction per square meter high on residential buildings

Residential construction is costly in the City of Marikina.

In 2021, the average cost per construction of residential buildings in the City of Marikina was estimated at PhP 14,305.19. On the contrary, the cost was lower than the average cost of the whole city. Meanwhile, PhP 10,901.86 was spent on non-residential buildings on average.

Nearly 300 residential constructions are single houses

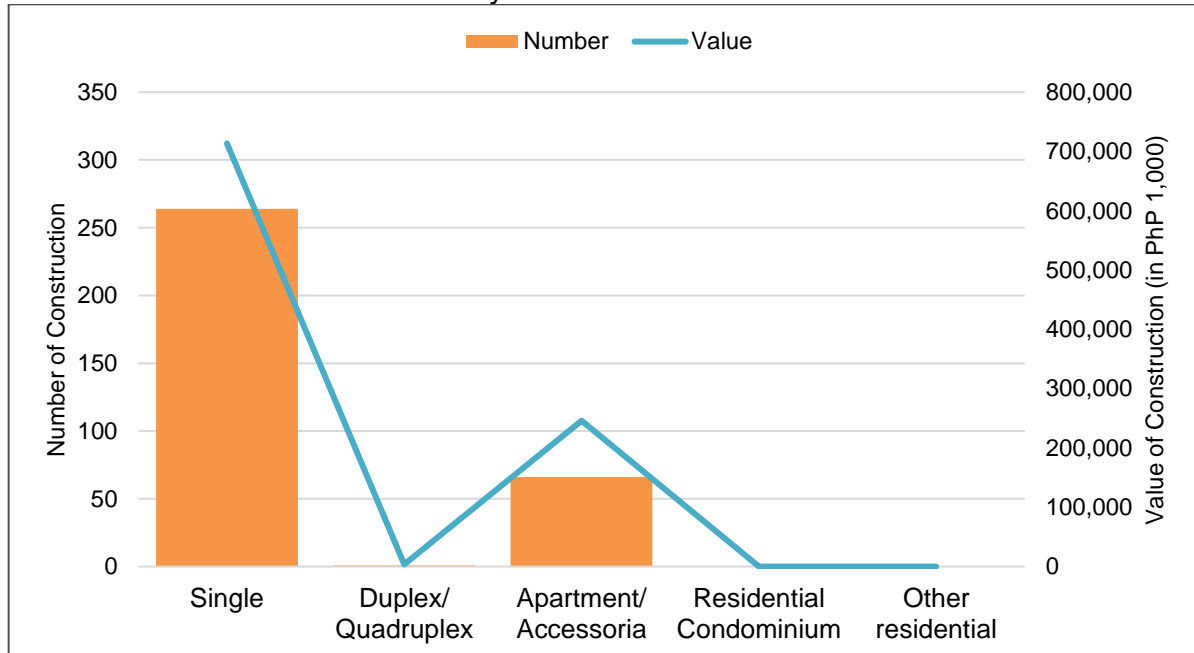
Residential buildings are classified into five: (a) single; (b) duplex/quadruplex; (c) apartment/accessoria; (d) residential condominium; and (e) other residential.

The majority of the approved building permits for residential buildings in 2021 were single houses, with 264, or 79.8 percent; followed by apartment/accessoria, with 66, or 19.9 percent; and duplex/quadruplex, with only one, or 0.3 percent.

Moreover, the value of construction in residential buildings was highest in single houses, with a cumulative value of 713.64 million, or 74.1 percent of the total value of residential constructions in the City of Marikina. The cost of construction per square meter in residential condominiums averaged PhP 15,009.10.

Figure 3 presents the number and value of residential buildings by its type in the City of Marikina during 2021.

Figure 3. Number and Value of Residential Construction by Type, City of Marikina: 2021



Source: Philippine Statistics Authority, Industry Statistics Division

Majority of non-residential constructions are commercial

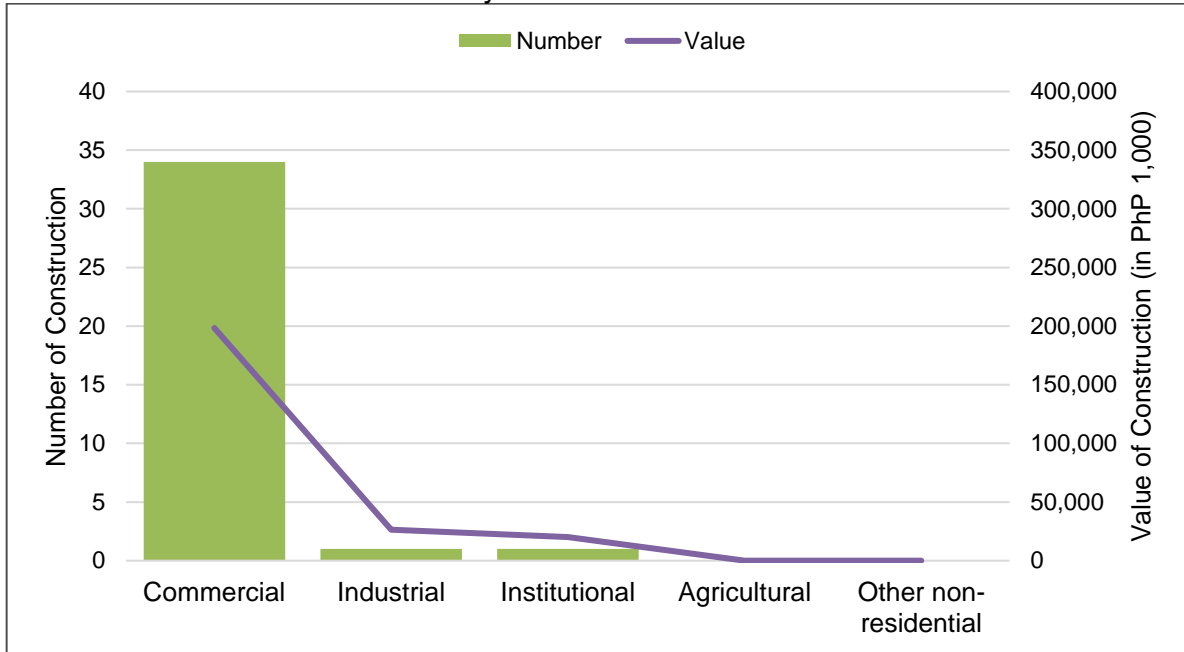
There are five classifications of non-residential building construction, namely: (a) commercial; (b) industrial; (c) institutional; (d) agricultural; and (e) other non-residential.

In the City of Marikina, commercial buildings had the highest number of constructions, with 34 applications, or 94.4 percent of the total number of non-residential building constructions. Other types of non-residential buildings, like institutional and industrial, had only one application each.

In terms of value, commercial buildings recorded the highest value of construction at PhP 198.35 million. In contrast, institutional buildings generated the highest average cost of construction, with PhP 14,084.30, which was about PhP 3,000 higher than commercial buildings.

Figure 4 shows the number and value of residential buildings by its type in the City of Marikina during 2021.

Figure 3. Number and Value of Non-Residential Construction by Type, City of Marikina: 2021



Source: Philippine Statistics Authority, Industry Statistics Division

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Attachments:

1. Table 2. Number, Floor Area, Value, and Average Cost of Construction by Type, City of Marikina: 2021
2. Table 3. Number, Floor Area, Value, and Average Cost of Construction by Type of Residential Building, City of Marikina: 2021
3. Table 4. Number, Floor Area, Value, and Average Cost of Construction by Type of Non-residential Building, City of Marikina: 2021
4. Technical Notes

Table 2. Number, Floor Area, Value, and Average Cost of Construction
by Type, City of Marikina: 2021

City/ Type of Construction	Number	Floor Area (sq.m.)	Value (PhP 1,000)	Average Cost per sq. m. (in PhP)
City of Marikina	446	91,524	1,354,742	14,802.04
Residential	331	67,362	963,626	14,305.19
Non-residential	36	22,438	244,616	10,901.86
Addition	12	1,724	17,109	9,923.94
Alteration/Repair	67	n.a.	129,391	n.a.

Note: n.a. not applicable

Source: Philippine Statistics Authority, Industry Statistics Division

Table 3. Number, Floor Area, Value, and Average Cost of Construction
by Type of Residential Building, City of Marikina: 2021

Type of Residential Building	Number	Floor Area (sq.m.)	Value (PhP 1,000)	Average Cost per sq. m. (in PhP)
Residential	331	67,362	963,626	14,305.19
Single	264	47,547	713,638	15,009.10
Duplex/Quadruplex	1	241	3,859	16,013.33
Apartment/Accessoria	66	19,574	246,130	12,574.31
Residential Condominium	-	-	-	-
Other residential	-	-	-	-

Note: - means zero

Source: Philippine Statistics Authority, Industry Statistics Division

Table 4. Number, Floor Area, Value, and Average Cost of Construction
by Type of Non-residential Building, City of Marikina: 2021

Type of Residential Building	Number	Floor Area (sq.m.)	Value (PhP 1,000)	Average Cost per sq. m. (in PhP)
Non-residential	36	22,438	244,616	10,901.86
Commercial	34	17,859	198,348	11,106.35
Industrial	1	3,159	26,268	8,315.29
Institutional	1	1,420	20,000	14,084.30
Agricultural	-	-	-	-
Other non-residential	-	-	-	-

Note: - means zero

Source: Philippine Statistics Authority, Industry Statistics Division

TECHNICAL NOTES

Construction Statistics from Approved Building Permits

I. Introduction

I.1. Introduction

The Philippine Statistics Authority (PSA) serves as the central statistical authority of the government on primary data collection which includes the consolidation of selected administrative recording systems. Construction statistics from approved building permits is one of the data generated by PSA based on administrative records. It is compiled by PSA from the copies of approved building permits issued by the Local Building Officials (LBOs) of the Local Government Units (LGUs).

However, the approved building permits issued by LBOs is just one of the sources of construction statistics. Other sources of construction statistics are the surveys of construction establishments and enterprises conducted by the PSA, and the administrative-based data from the Department of Public Works and Highways (DPWH) and the Commission on Audit.

This Special Release presents the preliminary data on construction statistics from approved building permits for the third quarter of 2023. Data are presented at the regional, provincial and/or Highly Urbanized City (HUC) levels with monthly and quarterly disaggregation.

I.2. Objectives

Construction statistics from approved building permits aim to provide monthly administrative-based data on building constructions at the municipality level nationwide. Statistics generated are the following:

1. number of units/buildings
2. floor area of the buildings
3. types of construction
4. value of construction

I.3. Historical Background

The collection of approved building permit forms started in 1977 when the then National Census and Statistics Office (NCSO) (now part of the PSA) and the Ministry of Local Government and Community Development entered into an informal agreement in 1976 to implement the provisions of the National Building Code (NBC) and to monitor the building permit forms.

Later, on 11 July 1979, a Memorandum of Agreement (MOA) between the NCSO and the former Ministry of Public Works, Transportation and Communication (MPWTC) (now the DPWH) defined the agencies' responsibilities in the generation of construction statistics. The NCSO was responsible for the collection, processing, analysis, and dissemination of construction statistics, while MPWTC shouldered the printing of the building permit forms from 1980 onwards.

In 1993, a Joint Memorandum Circular was issued by the Department of Interior and Local Government and the DPWH defining the duties and responsibilities of the municipal/city engineers relative to the implementation of the NBC and in the production of construction statistics from approved building permits. As a result, the printing of the building permits and certificate of completion forms became the responsibility of the LBOs.

On 15 July 2005, the DPWH through the National Building Code Development Office (NBCDO) issued Memorandum Circular No. 01 series of 2005 instructing all LBOs to implement the revised Implementing Rules and Regulations (IRR) including the use of the new building permit form.

The building permit form under the old IRR is valid for use by LGUs until today.

I.4. Scope and Coverage

Construction statistics presented in this special release are based on the approved building permits on new constructions, additions, and alterations and repairs of existing residential and non-residential buildings, and other structures, which are proposed to be constructed in different cities/municipalities of the country.

I.5. Geographic Classification

For the third quarter of 2023, building constructions are classified and presented by geographic area using the Philippine Standard Geographic Classification (PSGC) as of December 2022.

II. Data Collection

II.1. Data Collection

The collection of the approved building permits from the LBOs is done within the first five working days after each reference month by a PSA field staff.

II.2. Sources of Data

Construction statistics are compiled by the PSA from the copies of original application forms of approved building permits as well as from the demolition and fencing permits collected every month by PSA field personnel from the offices of LBOs nationwide.

II.3. Statistics Generated

Construction statistics generated from approved building permits provide monthly data on building construction at the regional and provincial levels. The statistics generated are the following:

1. number of constructions
2. floor area
3. type of construction
4. value of construction

Aside from the preliminary tables posted in the PSA website, the annual, quarterly, and monthly statistical tables at the municipality level by type of construction are available in OpenStat.

II.4. Limitations of Data

Data on building constructions are based on approved applications for construction during the reference period and not on the construction work completed during the reference period.

The completeness of construction data relies on the approved applications filed in the LBOs. Hence, building constructions without approved building permits are not part of the tabulation of data.

III. Concepts and Definitions of Terms

The definition of terms is adopted from the Revised and Updated IRR of the National Building Code.

Building permit is a written authorization granted by the LBO to an applicant allowing him to proceed with the construction of a specific project after plans, specifications, and other pertinent documents have been found to be in conformity with the National Building Code (PD 1096).

Building refers to any independent, free-standing structure comprised of one or more rooms or other spaces, covered by a roof and enclosed with external walls or dividing walls, which extend from the foundation to the roof.

Construction refers to all on-site work done from site preparation, excavation, foundation, assembly of all the components and installation of utilities, machineries, and equipment of buildings/structures.

Residential building is a building for which its major parts or more than half of its gross floor area is built for dwelling purposes. This type of building can be of the single type, duplex, apartment and/or accessoria, and residential condominium.

Single house is a complete structure intended for a single family or household, i.e., bungalow, 2-storey house, nipa hut, etc.

Duplex house is a structure intended for two households, with complete living facilities for each; it is a single structure divided into two dwelling units by a wall extending from the floor to the ceiling.

Apartment is a structure, usually of two storeys, made up of independent living quarters, with independent entrances from internal walls and courts.

Accessoria is a one or two-floor structure divided into several dwelling units, each dwelling unit having its own separate entrance from the outside.

Residential condominium is a structure, usually of several storeys, consisting of multiple dwelling units.

Other residential construction consists of school or company staff houses, living quarters for drivers and maids, and guardhouses.

Non-residential building includes commercial, industrial, agricultural, and institutional buildings.

Commercial buildings refer to office buildings and all buildings which are intended for use primarily in wholesale, retail, and service trades; i.e., stores, hotels, restaurants, banks, disco houses, etc.

Industrial buildings are buildings used to house the production, assembly, and warehousing activities of industrial establishments; i.e., factories, plants, mills, repair shops, machine shops, printing press, storage plants, electric generating plants.

Institutional buildings are buildings which primarily engaged in providing educational instructions and hospital/health care; ports, airports and other government buildings; i.e., schools, museums, libraries, sanitarium, churches, hospitals.

Agricultural buildings are buildings used to house livestock, plants, and agricultural products such as barns, poultry houses, piggeries, stables, greenhouses, and grain mills.

Other non-building constructions include cemetery structures, street furniture, waiting sheds, communication towers, etc.

Addition refers to any new construction which increases the height or area of an existing building/structure.

Repair is a remedial work done on any damaged or deteriorated portion/s of a building/structure to restore its original condition.

Renovation is any physical change made on structures to increase their value and quality.

Alteration is a construction in a building/structure involving changes in the materials used, partitioning and location/size of openings, structural parts, existing utilities, and equipment but does not increase the overall area thereof.

Conversion is a change in the use or occupancy of structure or any portion thereof, which has different requirements.

Demolitions refer to the systematic dismantling or destruction of a building/structure, in whole or in part.

Street furniture are street structures consisting of monuments, waiting sheds, benches, plant boxes, lampposts, electric poles, and telephone poles.

Floor area of building refers to the sum of the area of each floor of the building measured to the outer surface of the outer walls including the area of lobbies, cellars, elevator shafts, and all communal spaces in multi-dwellings. Areas of balconies are excluded.

Total value of construction refers to the sum of the cost of building, electrical, mechanical, plumbing, and others. The value is derived from the approved building permit and represents the estimated value of the building or structure when completed.

IV. Dissemination of Results and Revision

IV.1 Dissemination

Preliminary results of construction statistics are made public in the form of Quarterly Special Releases. The Quarterly Special Releases are reports containing the preliminary results of construction statistics submitted within the cut-off dates for each month. Results are posted 45 days after the reference quarter in the PSA website. The statistical tables are also available in OpenStat.

IV.2 Revision

All documents received after the cut-off date, which is 40 days after the reference quarter, are included in the generation of revised results. The revised data of the previous quarter are reported during the release of the preliminary report of the current quarter. Revisions are made for the previous quarters until the annual report is released six months after the reference year.

V. Citation

Philippine Statistics Authority. (November 2023). Technical Notes on the Construction Statistics from Approved Building Permits. <https://psa.gov.ph/technical-notes/buildingpermit>

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