



SPECIAL RELEASE

Construction Statistics from Approved Building Permits Third Quarter 2021

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Reference No. 2021-513

TABLE A. Summary of Construction Statistics from Approved Building Permits, Philippines: Third Quarter 2020, Second Quarter 2021^r and Third Quarter 2021^p

Type of Construction	Third Quarter 2020		Second Quarter 2021		Third Quarter 2021 ^p	
	Level	Annual Growth Rate (percent)	Level	Annual Growth Rate (percent)	Level	Annual Growth Rate (percent)
Total						
Number	34,679	-21.9	39,209 ^r	118.7	33,981	-2.0
Floor Area (sq.m.)	6,777,347	-37.7	7,294,667 ^r	153.5	6,988,446	3.1
Value (Php '000)	77,581,405	-38.7	86,136,969 ^r	200.5	85,619,500	10.4
Residential						
Number	24,819	-22.8	27,980 ^r	107.3	24,332	-2.0
Floor Area (sq.m.)	3,535,126	-32.0	4,263,979 ^r	189.6	3,995,748	13.0
Value (Php '000)	38,489,771	-28.2	44,365,730 ^r	213.5	46,210,888	20.1
Non-residential						
Number	5,238	-23.4	5,729 ^r	126.3	5,491	4.8
Floor Area (sq.m.)	3,178,876	-42.2	2,959,767 ^r	114.0	2,917,720	-8.2
Value (Php '000)	33,414,736	-48.0	34,002,041 ^r	155.3	30,177,463	-9.7
Addition						
Number	933	-40.6	1,179 ^r	199.2	965	3.4
Floor Area (sq.m.)	63,345	-65.3	70,921 ^r	218.5	74,978	18.4
Value (Php '000)	530,918	-64.0	730,741 ^r	254.8	668,141	25.8
Alteration and Repair						
Number	3,689	-3.5	4,321 ^r	186.7	3,193	-13.4
Value (Php '000)	5,145,980	-27.6	7,038,457 ^r	611.8	8,563,009	66.4

p – preliminary; r – revised

Note: Details of floor area and value may not add up to their respective totals due to rounding.

Source: Philippine Statistics Authority



Number of Constructions

1. Number of constructions declined

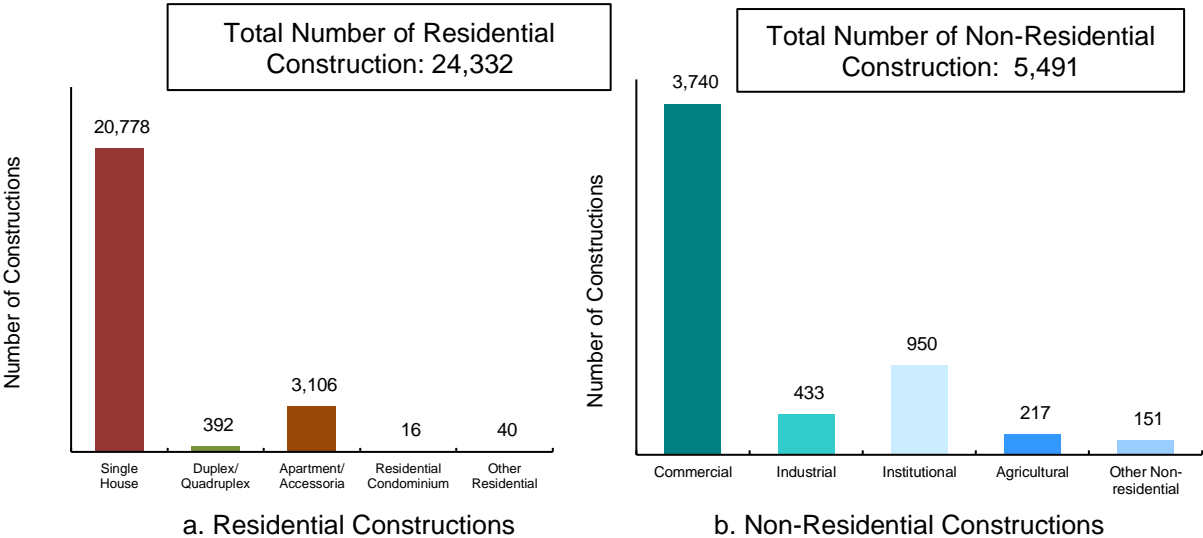
The number of constructions from approved building permits in the third quarter of 2021 was registered at 33,981. This indicates an annual drop of -2.0 percent, which was contradictory to the previous quarter’s annual growth rate of 118.7 percent. In the third quarter of 2020, the number of constructions also decreased by -21.9 percent annually. (Table A)

2. Residential construction had the highest number of constructions

By type of construction, residential reported the highest number of constructions during the quarter at 24,332 or 71.6 percent of the total number of constructions. This type of construction decreased at a rate of -2.0 percent, which was slower compared with the annual decline of -22.8 percent in the same quarter of the previous year. Majority (85.4%) of the total residential constructions were single-type houses. (Figure 1a, and Tables A and 1)

Non-residential type of constructions ranked second with 5,491 or 16.2 percent of the total number of constructions during the quarter. It manifested an increase of 4.8 percent relative to its count in the same period of the previous year. About 68.1 percent of the non-residential constructions were commercial buildings. (Figure 1b, and Tables A and 1)

Figure 1. Number of Constructions from Approved Building Permits by Type
Philippines: Third Quarter 2021^p



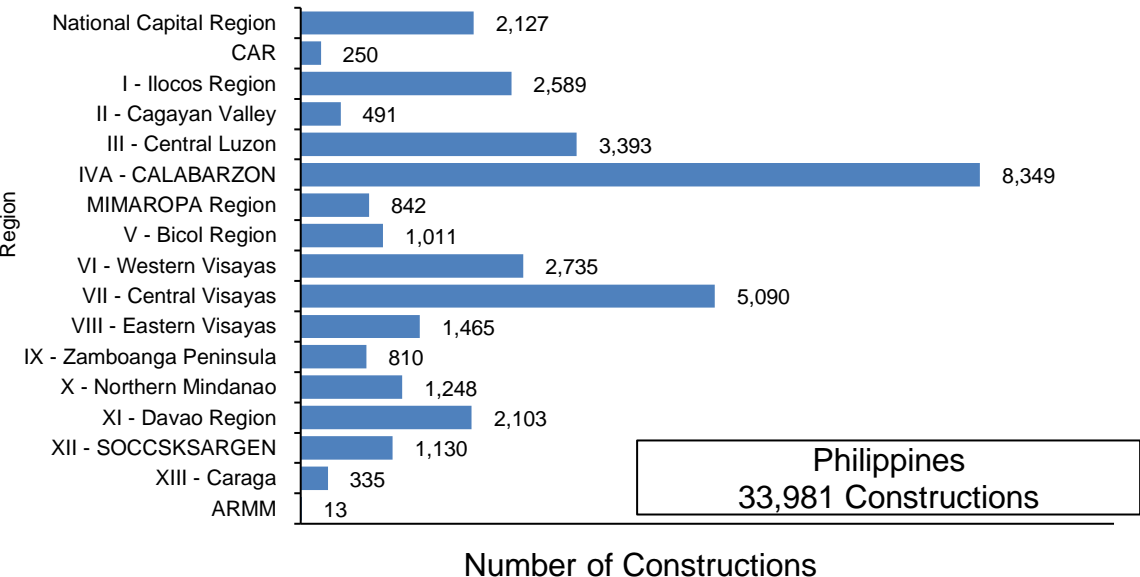
p – preliminary
Source: Philippine Statistics Authority

Addition, which refers to any new construction that increases the height or area of an existing building/structure, and Alteration and repair of existing structures, had shares of 2.8 percent and 9.4 percent, respectively, to the total number of constructions. Compared with their respective annual rates in the same period of the previous year, addition-type of construction increased at a rate of 3.4 percent this quarter, while alteration and repair dropped at a rate of -13.4 percent. (Tables A and 1)

3. Number of constructions was highest in CALABARZON

CALABARZON consistently registered the highest number of constructions with 8,349 constructions or 24.6 percent share to the total during the quarter. Completing the top three regions with the highest number of constructions were Central Visayas with 5,090 (15.0%) constructions and Central Luzon with 3,393 (10.0%) constructions. (Figure 2 and Table 2)

Figure 2. Distribution of Constructions from Approved Building Permits by Region
Philippines: Third Quarter 2021^p



p – preliminary
Source: Philippine Statistics Authority

Value of Constructions

1. Total value of constructions increased

In the third quarter of 2021, the total value of constructions was PhP 85.62 billion which represents an annual increase of 10.4 percent.

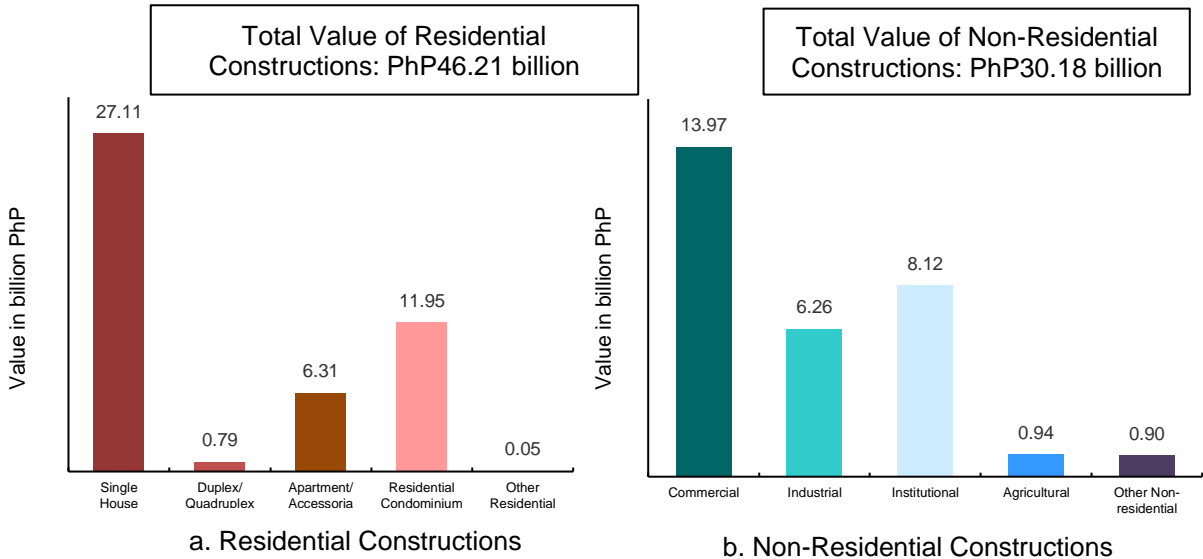
Compared with the previous quarter, it expanded at an annual rate of 200.5 percent, while it declined at an annual rate of -38.7 percent in the third quarter of 2020. (Tables A and 1)

2. Residential construction recorded the highest value of constructions

Residential building constructions, valued at PhP 46.21 billion, accounted for 54.0 percent of the total value. This amount expanded by 20.1 percent from the PhP 38.49 billion total construction value in the same quarter of 2020. (Figure 3a, and Tables A and 1)

Value of non-residential constructions, which amounted to PhP 30.18 billion, accounted for 35.2 percent of the total value during the quarter. This reflects a -9.7 percent decrease from the PhP 33.41 billion value of non-residential construction in the same quarter of the previous year. (Figure 3b, and Tables A and 1)

Figure 3. Value of Constructions from Approved Building Permits by Type
Philippines: Third Quarter 2021^p



p – preliminary
Source: Philippine Statistics Authority

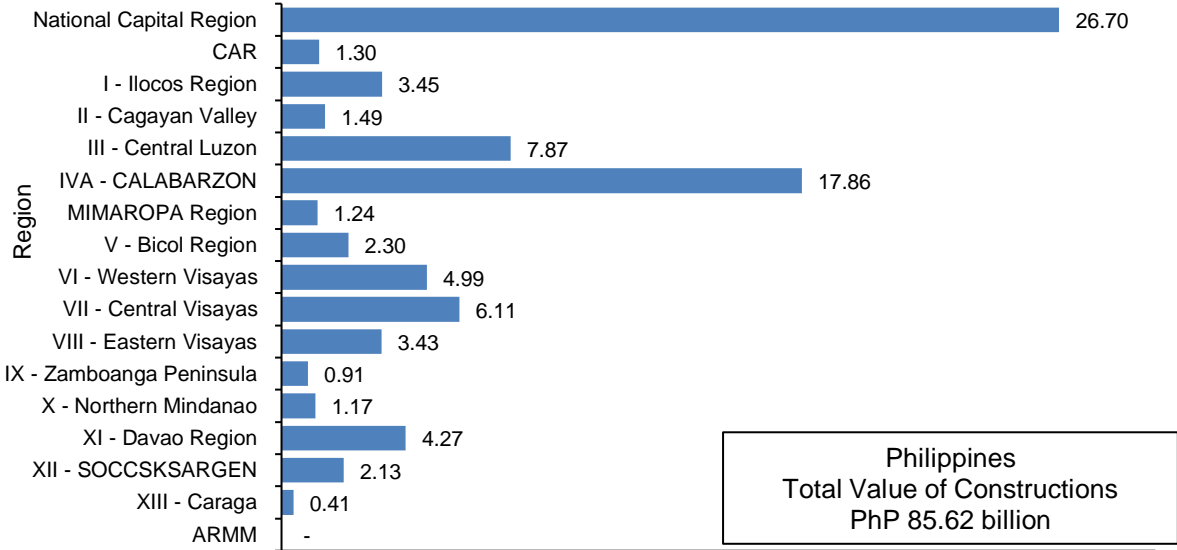
For this quarter, the value of construction for addition to, and alteration and repair of existing structures amounted to PhP 0.67 billion (0.8%) and PhP 8.56 billion (10.0%), respectively. These types of constructions expanded at an annual rate of 25.8 percent for Addition to existing structures and 66.4 percent for Alteration and repair. (Tables A and 1)

3. Top three regions contributed more than half of the total value of constructions

The combined shares of the top three regions, in terms of value of constructions, amounted to PhP 52.43 billion or 61.2 percent of the total. These regions were:

- a) NCR, PhP 26.70 billion (31.2%)
- b) CALABARZON, PhP 17.86 billion (20.9%)
- c) Central Luzon, PhP 7.87 billion (9.2%). (Figure 4 and Table 2)

Figure 4 Value of Constructions from Approved Building Permits by Region Philippines: Third Quarter 2021^P



Value of Constructions in billion PhP

Note: - denotes less than PhP 0.05 billion
 Source: Philippine Statistics Authority

Floor Area

1. Reported total floor area of constructions increased

The total floor area of constructions for this quarter was posted at 7.0 million square meters. This translates to an annual increase of 3.1 percent for this quarter, from 153.5 percent increase in the previous quarter. On the other hand, it declined at an annual rate of -37.7 percent in the third quarter of 2020. (Table A)

2. Residential constructions accounted for more than half of the total floor area of constructions

Residential constructions recorded 4.0 million square meters or 57.2 percent of the total floor area of constructions this quarter. It increased at an annual rate of 13.0 percent compared with the previous year's same quarter decline of -32.0 percent.

Meanwhile, non-residential construction recorded 2.9 million square meters or 41.8 percent of the total floor area of constructions this quarter. This translates to an annual decline of -8.2 percent compared with the previous year's same quarter annual drop of -42.2 percent. (Table 1)

Average Cost per Square Meter

1. Average cost of construction expanded

The average cost of construction in the third quarter of 2021 was PhP 10,898 per square meter. This indicates a slight increase of 2.3 percent compared with the previous quarter's annual increase of 24.2 percent. On the contrary, the average cost per square meter declined by -2.3 percent in the third quarter of 2020. (Table 1)

2. Residential constructions had the highest average cost

Among types of constructions, residential buildings had the highest average cost of PhP 11,565 per square meter during the quarter. This was followed by non-residential with PhP 10,035 per square meter, and addition to existing constructions with PhP 8,911 per square meter. (Table 1)

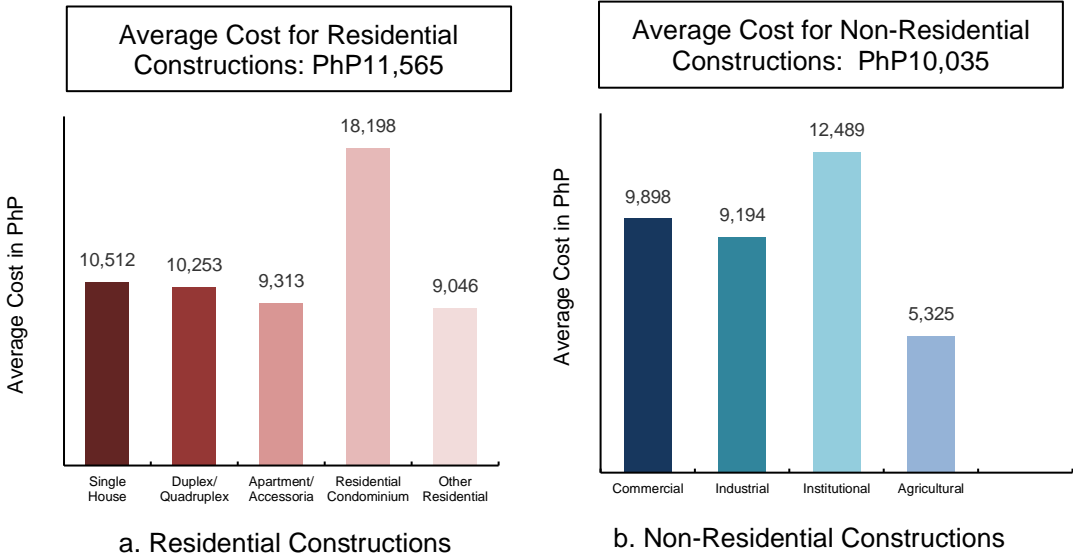
3. Residential condominium construction was the most expensive among types of residential construction

Among residential constructions, residential condominiums posted the highest average cost of PhP 18,198 per square meter during the quarter. The lowest average cost amounting to PhP 9,046 per square meter was recorded in other types of residential constructions not elsewhere classified. (Figure 5a and Table 1)

4. Institutional-type buildings were the costliest among non-residential buildings

For this quarter, institutional-type building constructions reported the highest average cost of PhP 12,489 per square meter. On the other hand, agricultural-type buildings continued to register the lowest average cost of PhP 5,325 per square meter. (Figure 5b and Table 1)

Figure 5. Average Cost per Square Meter by Type of Construction, Philippines: Third Quarter 2021^P



p – preliminary
Source: Philippine Statistics Authority

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National Statistician and Civil Registrar General

TECHNICAL NOTES

Introduction

This Special Release presents the preliminary data on construction statistics from approved building permits for the third quarter of 2021. Data are presented at the regional and provincial levels with monthly and quarterly disaggregation.

Scope and Coverage

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

Sources of Information

Construction statistics are generated from approved building permits as well as from the demolition and fencing permits collected every month by the Philippine Statistics Authority (PSA) field personnel from the Offices of Local Building Officials (LBOs).

Limitations of data

1. 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.
2. The completeness of construction data relies on the approved applications filed with the LBOs. Hence, building constructions without approved building permits are not part of the tabulation of data.

Geographic Classification

For the third quarter of 2021, building constructions are classified and presented by geographic area using the Philippine Standard Geographic Classification (PSGC) as of December 2020.

Statistics Generated

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

1. number
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 at the Industry Statistics Division (ISD) of the Economic Sector Statistics Service (ESSS) of the PSA. They can be requested through email at nonmfg.staff@psa.gov.ph

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 50 days after the reference quarter in the PSA website (www.psa.gov.ph)

Revision

All documents received after the cut-off date, which is 35 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 seven months after the reference year,

Definition of Terms (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.

Accesoria 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 plant, and 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., school, museums, libraries, sanatoria, churches, and hospitals.

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

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.