

Philippines

Philippine Statistics Authority, National Economic and Development Authority

Construction Statistics from Approved Building Permits 2014

Study Documentation

June 16, 2017

Metadata Production

Metadata Producer(s)	Industry Statistics Division (ISD) , Philippine Statistics Authority , Documenter
Production Date	June 19, 2017
Version	Version 1.0 - First Documentation of BP2014
Identification	DDI-PHL-PSA-BP-2014-v1

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Construction Statistics from Approved Building Permits 2014 (BP 2014)

Overview	
Type	Administrative Records, Other (ad/oth]
Identification	PHL-PSA-BP-2014-v1.0
Version	Production Date: 2015-08-30 v2
Series	The collection of approved building permit forms started in 1977 when the National Census and Statistics Office (NCSO) and the Department of Local Government and Community Development entered into an informal agreement in 1976 to implement the provisions of the National Building Code and to monitor building permit forms. On January 6, 1978, a Memorandum of Agreement between NCSO and the former Department of Public Works, Transportation and Communication defined the agencies' responsibilities in the collection of private construction statistics. From then on, the collection, processing, analysis and dissemination of construction statistics became the responsibility of the Philippine Statistics Authority.
<p>Abstract</p> <p>Construction statistics from approved building permit aims to provide monthly data on building construction at the municipality level nationwide. Some of the statistics derived from approved building permits are number of units or buildings, floor area, value of construction and type of building. These statistics are the bases of estimates of the level of construction activity useful in the computation of national income accounts and serves as indicators on the level of investment in the country. As such, the data are invaluable in analyzing present economic conditions and past developments, forecasting future trends and making policy decisions.</p> <p>Approved building permit relates to data on new constructions and additions, renovations and repairs of existing structures. The data are taken from the original application forms of approved building permits collected by Philippine Statistics Authority (PSA) personnel from the Local Building Officials (LBOs) nationwide. However, statistics from approved building permits are characterized by some limitations namely: constructions refer to those proposed to be constructed during the reference period and not to construction work completed during the reference period; and the completeness of the number of building permits collected relies on the applications filed and approved by the LBOs, hence, building constructions without approved building permits are not included in the statistics.</p> <p>This metadata presents the final data series on construction statistics from approved building permits for the year 2014. The final data set provides updates to the preliminary data on the 2014 Quarterly Special Releases on construction statistics posted every 100 days after each reference quarter in PSA website. The sources of updates are additional approved building permits collected after cut-off dates because of data collection constraints. These additional documents were not yet available for inclusion in the quarterly tabulation of data on designated target dates.</p>	
Kind of Data	Administrative records data [adm]
Unit of Analysis	<p>Building or building construction is the unit of analysis.</p> <p>Building is defined as any independent free-standing structure comprising of one or more rooms or other spaces, covered by a roof and enclosed with external walls which extend from the foundation to the roof.</p> <p>Construction refers to all on-site work done from site preparation, excavation, foundation, assembly of all the components and installation of utilities and equipment of buildings or structures.</p>

Scope & Coverage

Scope

Construction of residential and non-residential structures. It includes new constructions and additions, renovations and repairs of existing structures, and other constructions requiring building permit as prescribed by the Philippine National Building Code.

Keywords	Construction
Topics	Construction
<u>Time Period(s)</u>	2014
<u>Countries</u>	Philippines
<u>Geographic Coverage</u> Province, City and Municipality	
<u>Universe</u> All approved building permits issued.	

Producers & Sponsors	
Primary Investigator(s)	Philippine Statistics Authority, National Economic and Development Authority
Funding Agency/ies	Philippine Statistics Authority (PSA)
Other Acknowledgment(s)	Local Building Officials , Building permit documents registration , Local Government Units

Sampling
<u>Sampling Procedure</u> Not applicable.
<u>Deviations from Sample Design</u> Not applicable.
<u>Response Rate</u> Not applicable.
<u>Weighting</u> Not applicable.

Data Collection	
Data Collection Dates	Within 1st to 5th calendar days of the month: start 2014-02-01 Within 1st to 5th calendar days of the month: end 2014-12-05
Time Period(s)	Within 1st to 5th calendar days after the reference month: start 2014-01-01 Within 1st to 5th calendar days after the reference month: end 2014-12-31
Data Collection Mode	Other [oth] - Self administered administrative form
<u>Data Collection Notes</u> <p>The number of building permit forms accomplished by the applicant comes in five (5) copies. The “NSO copy” of the approved building permit is made available within the first five (5) working days after each reference month. Collections of these documents from the Local Building Official (LBO) in city/municipality are undertaken by PSA field personnel within this period.</p> <p>The PSA field personnel while still at the office of the LBO verifies the copies of building permits as to its completeness by verifying the beginning and ending numbers indicated in the permit numbers. All the missing permit numbers are indicated,</p>	

with corresponding reasons, in the transmittal list. In cases where there is no construction in a given month in a municipality, the PSA field personnel secures a certification that there was no construction during the period from the LBO.

Questionnaires

Construction statistics are compiled by the Philippine Statistics Authority (PSA) from the copies of original application forms of approved building permits collected every month by authorized PSA field personnel from the Local Building Officials (LBOs) nationwide.

A 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. It consists of ten sections, referred to as boxes, which are accomplished by the applicant, his/her designated architect or civil engineer and the Local Government Units in-charge with the processing of the form. These are the following:

Box 1 - describes the name, address, form of ownership, economic activity, location of construction, scope of work, and the use or type of occupancy;

Box 2 - checklist of supporting documents to the building permit;

Box 3 - contains the LBO's action on the application;

Box 3A - gives the breakdown of the cost, number of storey, total floor area, proposed date of construction, expected date of completion and materials of construction;

Box 4 - contains the amount of assessed fees for the construction and corresponding receipt number;

Box 5 - contains the flow in the processing of the building permit, corresponding dates and name of processor;

Box 6 - contains the signature of architect/civil engineer in charge of the design/plan;

Box 7 - contains the signature of the architect/civil engineer in charge of the construction;

Box 8 - contains the signature of the applicant; and

Box 9 - contains the name; address; TCT number; and signature of the lot owner.

Data Collector(s)	Philippine Statistics Authority (PSA) , National Economic and Development Authority
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Supervision

Central Office Supervision

The Industry Statistics Division of the Philippine Statistics Authority (PSA) oversees the complete collection of all approved building permits from all cities and municipalities of the country.

Field Office Supervision

The Provincial Statistics Officers of PSA monitors the collection of approved building permits of their area of jurisdiction and ensures that collected documents are properly edited and coded following the instructions stated in the field operations manual, machine processed and submitted to Central Office according timetable.

Data Processing & Appraisal

Data Editing

Processing or editing of building permit documents is done to check for the validity, consistency and reasonableness of data. It involves manual and machine data processing.

Manual processing includes editing and coding the entries in the building permit document following the instructions provided in the Processing Instructions Manual. Manual processing of documents is done in two levels namely: editing and coding done by Provincial Office staff; and the review of edited documents by Central Office staff.

Machine processing entails data entry, code validation and consistency checks between data items. A micro-computer-based system called "Building Permit Computer System" was developed by Central Office staff using the Census and Survey Processing (CSPro) software for machine processing and tabulation of encoded data.

During machine data processing, items which did not meet the editing specifications are flagged in an error listing. The error listing displays the inconsistencies, errors and omissions found in the building permit as identified by the folio, sheet and

permit number. These are verified against the identified building permit and corresponding corrections and/or updates are made in the data files. This process is repeated until there are no more inconsistent or erroneous entries are found in the error listing. The cleaned data files are then submitted to PSA Central Office for further processing and consolidation of data files for the generation of preliminary tables.

Detailed instructions on data processing can be found in the "Processing Instructions Manual Section 2" document provided as an external resource.

Other Processing

Preliminary results are based from data files that have undergone data processing in the provincial offices. Hence, preliminary results may be revised to include documents received after cut-off period for preliminary tabulation and/or due to additional data processing, verification and evaluation at the Central Office. The revision of statistics for a particular quarter is reflected in the annual tables which are considered as the final data. The annual tables are generated when all the monthly tables for the year have been completed and finalized.

Indicators such as average cost per floor area and floor area per storey are derived to check for the validity and consistency of data. Telephone inquiry, as well as, the internet is also used to verify doubtful entries found in the documents.

Estimates of Sampling Error

Not applicable.

Other Forms of Data Appraisal

Not applicable.

Accessibility

Access Authority	National Statistician (Philippine Statistics Authority) , ons@psa.gov.ph
Contact(s)	Chief, Industry Statistics Division (Philippine Statistics Authority) , www.psa.gov.ph , nonmfg.staff@psa.gov.ph Chief, Knowledge Management and Communication Division (Philippine Statistics Authority) , www.psa.gov.ph , info@psa.gov.ph

Confidentiality

This Construction Statistics from Approved Building Permits conforms to the provisions of confidentiality stated under Section 4 of Commonwealth Act No. 591, which says that the "Data furnished to the Bureau of Census and Statistics (BCS) now known as the Philippine Statistics Authority, by an individual, corporation, partnership, institution or business enterprise shall not be used as evidence in any court or in any public office either as evidence against the individual, corporation, association, partnership, institution, or business enterprise from whom such data emanates; nor shall such data or information be divulged to any person except authorized employees of the BCS acting in the performance of their duties; nor shall such data be published except in the form of summaries or statistical tables in which no reference to an individual, corporation, association, partnership, institution or business enterprise shall appear."

Access Conditions

Authorization to use this data in the form of statistical tables is granted only to the client or data user and persons within its organization, if applicable. Under no circumstances shall the client reproduce, distribute, sell or lend the entire data or parts thereof to any other data user apart from himself or that of authorized employees in his organization. The PSA shall hold the data user fully responsible for safeguarding the data from any unauthorized access or use.

Before being granted access to the dataset, all users have to formally agree:

1. To make no copies of any files or portions of files to which s/he is granted access except those authorized by the PSA.
2. Not to use any technique in an attempt to learn the identity of any person, establishment, or sampling unit not identified in the dataset.
3. To hold in strictest confidence the identification of any establishment or individual that may be inadvertently revealed in any documents or discussion, or analysis. Such inadvertent identification revealed in her/his analysis will be immediately be reported to the PSA.

Rights & Disclaimer**Disclaimer**

The PSA gives no warranty that the data are free from errors. Hence, the PSA shall not be held responsible for any loss or damage as a result of the client's manipulation or tabulation of the data.

Copyright

The data user acknowledges that any available intellectual property rights, including copyright in the data are owned by the Philippine Statistics Authority.

Files Description

Dataset contains 1 file(s)

BP 2014	
# Cases	113625
# Variable(s)	25
<u>File Content</u> The datafile contains data on new construction, addition to existing structure, repair and renovation of existing structures, and other constructions for the year 2014. Indicators such as average cost per floor area, cost per building, floor area per storey and other indicators are also derived.	
<u>Producer</u> Economic Sector Statistics Service , Philippine Statistics Authority	
<u>Version</u> v1.0	
<u>Processing Checks</u> After data encoding and merging of files, data items are subjected to validation and consistency checks. Each error message in the reject listing should be verified against the entry in the building permit document. Any correction or update made on the datafile should also be relected in the document. This process is done repeatedly util there are no more errors in the reject listing or when the remaining errors are acceptable.	
<u>Missing Data</u> Not applicable.	
<u>Notes</u> 0 = Refer to repairs, renovation	

Variables List

Dataset contains 25 variable(s)

File BP 2014							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	YY	Year	continuous	numeric-2.0	0	113625	Year of Construction
2	FN_QTR	Quarter	continuous	numeric-1.0	113625	0	Reference Quarter
3	FN_PROV	Province	discrete	numeric-2.0	113625	0	Province
4	FN_NUM	Folio Number	continuous	numeric-3.0	113625	0	Folio Number
5	SN_SHEETNO	Sheet Number	continuous	numeric-2.0	113625	0	Sheet Number
6	DATE_ISS..	Date of Issuance	continuous	numeric-6.0	113625	0	Date of Issuance
7	PN_PERML..	Permit Number	continuous	numeric-6.0	113625	0	Permit Number
8	FOWN_OWNER	Form of Ownership	discrete	numeric-1.0	113625	0	Form of Ownership
9	ECON_ECO..	Economic Activity	discrete	character-1	113625	0	Main Economic Activity
10	LOCATION	Location	discrete	character-39	113625	0	Location of Construction
11	SCOPE	Scope of Construction	discrete	numeric-1.0	113625	0	Scope of Construction Work
12	UNITS	Number of Units	continuous	numeric-3.0	113625	0	Number of Units
13	TOCC	Type of Occupancy	discrete	numeric-2.0	113625	0	Type of Occupancy
14	COB_COST..	Estimated Cost of Building	continuous	numeric-11.0	113553	72	Estimated Cost of Building
15	EC_COSTE..	Estimated Cost of Electrical	continuous	numeric-10.0	113443	182	Estimated Electricity Cost
16	MC_COSTM..	Estimated Cost of Mechanical	continuous	numeric-10.0	110716	2909	Estimated Mechanical Cost
17	PC_COSTP..	Estimated Cost of Plumbing	continuous	numeric-10.0	113409	216	Estimated Plumbing Cost
18	OC_COSTO..	Other Estimated Cost	continuous	numeric-10.0	113515	110	Other Estimated Cost
19	TCC_COST..	Total Estimated Cost	continuous	numeric-11.0	113625	0	Total Estimated Cost of Construction
20	NS_STOREYS	Number of Storey	discrete	numeric-2.0	113317	308	Number of Storey
21	TFA_FLRA..	Total Floor Area	continuous	numeric-6.0	113317	308	Total Floor Area
22	PDC_PROD..	Proposed Date of Construction	discrete	numeric-6.0	113624	1	Proposed Date of Construction
23	EDC_EXPD..	Expected Date of Construction	discrete	numeric-6.0	113623	2	Expected Date of Construction
24	MCON_CON..	Materials of Construction	discrete	character-1	113625	0	Materials of Construction
25	CONT_TYPE	Type of Contractor	discrete	numeric-1.0	113625	0	Type of Contractor

Variables Description

Dataset contains 25 variable(s)

File : BP 2014			
# YY: Year			
Information	[Type= continuous] [Format=numeric] [Missing=*]		
Statistics [NW/ W]	[Valid=0 /-] [Invalid=113625 /-]		
Definition	YY refers to the year of construction		
Source	Building Permit Form		
Literal question	Year of Construction		
Notes	This is a component of the folio name.		
# FN_QTR: Quarter			
Information	[Type= continuous] [Format=numeric] [Range= 1-4] [Missing=*]		
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]		
Definition	Quarter refers to the four (4) quarters of the year. First quarter includes the months of January, February and March; second quarter includes April, May and June; third quarter includes July, August and September; and fourth includes October, November and December.		
Source	Building Permit Form		
Literal question	Reference Quarter		
Notes	This is a component of the folio name.		
Value	Label	Cases	Percentage
1	1st Quarter	29420	<div></div> 25.9%
2	2nd Quarter	31120	<div></div> 27.4%
3	3rd Quarter	27249	<div></div> 24.0%
4	4th Quarter	25836	<div></div> 22.7%
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			
# FN_PROV: Province			
Information	[Type= discrete] [Format=numeric] [Range= 1-94] [Missing=*]		
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]		
Definition	Province is a two-digit geographic code in accordance with the Philippine Standard Geographic Classification representing the provinces of the country.		
Source	Building Permit Form		
Literal question	Province		
Notes	This is a component of the folio name.		
Value	Label	Cases	Percentage
1	Abra	63	<div></div> 0.1%
2	Agusan del Norte	2004	<div></div> 1.8%
3	Agusan del Sur	591	<div></div> 0.5%
4	Aklan	616	<div></div> 0.5%
5	Albay	509	<div></div> 0.4%
6	Antique	186	<div></div> 0.2%
7	Basilan	18	<div></div> 0.0%
8	Bataan	934	<div></div> 0.8%
9	Batanes	86	<div></div> 0.1%
10	Batangas	5191	<div></div> 4.6%
11	Benguet	1187	<div></div> 1.0%
12	Bohol	5071	<div></div> 4.5%

File : BP 2014

FN_PROV: Province

Value	Label	Cases	Percentage
13	Bukidnon	1276	1.1%
14	Bulacan	4226	3.7%
15	Cagayan	2235	2.0%
16	Camarines Norte	306	0.3%
17	Camarines Sur	1544	1.4%
18	Camiguin	717	0.6%
19	Capiz	465	0.4%
20	Catanduanes	89	0.1%
21	Cavite	6294	5.5%
22	Cebu City	3460	3.0%
23	Davao del Norte	2551	2.2%
24	Davao del Sur	5622	4.9%
25	Davao Oriental	320	0.3%
26	Eastern Samar	152	0.1%
27	Ifugao	27	0.0%
28	Ilocos Norte	2148	1.9%
29	Ilocos Sur	1453	1.3%
30	Iloilo	2013	1.8%
31	Isabela	849	0.7%
32	Kalinga	76	0.1%
33	La Union	1190	1.0%
34	Laguna	4781	4.2%
35	Lanao del Norte	1501	1.3%
36	Lanao Del Sur	154	0.1%
37	Leyte	1024	0.9%
38	Maguindanao	266	0.2%
39	First District	469	0.4%
40	Marinduque	347	0.3%
41	Masbate	139	0.1%
42	Misamis Occidental	1453	1.3%
43	Misamis Oriental	2708	2.4%
44	Mt. Province	6	0.0%
45	Negros Occidental	2138	1.9%
46	Negros Oriental	3484	3.1%
47	North Cotabato	706	0.6%
48	Northern Samar	157	0.1%
49	Nueva Ecija	2272	2.0%
50	Nueva Vizcaya	118	0.1%
51	Occidental Mindoro	130	0.1%
52	Oriental Mindoro	411	0.4%
53	Palawan	1203	1.1%
54	Pampanga	2729	2.4%
55	Pangasinan	2680	2.4%

File : BP 2014

FN_PROV: Province

Value	Label	Cases	Percentage
56	Quezon	1857	1.6%
57	Quirino	79	0.1%
58	Rizal	4141	3.6%
59	Romblon	405	0.4%
60	Western Samar	104	0.1%
61	Siquijor	138	0.1%
62	Sorsogon	245	0.2%
63	South Cotabato	1370	1.2%
64	Southern Leyte	473	0.4%
65	Sultan Kudarat	257	0.2%
66	Sulu	0	
67	Surigao del Norte	384	0.3%
68	Surigao del Sur	771	0.7%
69	Tarlac	973	0.9%
70	Tawi-Tawi	1	0.0%
71	Zambales	568	0.5%
72	Zamboanga Del Norte	1282	1.1%
73	Zamboanga Del Sur	2362	2.1%
74	Second District	5005	4.4%
75	Third District	2089	1.8%
76	Fourth District	6219	5.5%
77	Aurora	598	0.5%
78	Biliran	186	0.2%
79	Guimaras	109	0.1%
80	Sarangani	346	0.3%
81	Apayao	106	0.1%
82	Compostela Valley	1189	1.0%
83	Zamboanga Sibugay	23	0.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

FN_NUM: Folio Number

Information	[Type= continuous] [Format=numeric] [Range= 1-703] [Missing=*]
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]
Definition	Folio number is a three-digit number used by NSO for control purposes. A folio contains a maximum of 100 documents.
Literal question	Folio Number
Notes	This is a component of the folio name.

SN_SHEETNO: Sheet Number

Information	[Type= continuous] [Format=numeric] [Range= 0-99] [Missing=*]
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]
Definition	Sheet number is a two-digit number assigned to an approved building permit used for control purposes. The document in a folio is assigned with sheet 00, second document with sheet 01 and so on.
Literal question	Sheet Number
Notes	A folio contains 100 documents.

File : BP 2014			
# DATE_ISSUANCE: Date of Issuance			
Information	[Type= continuous] [Format=numeric] [Range= 10109-123109] [Missing=*]		
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]		
Definition	Date of issuance refers to the date the building permit document was issued. It consists of 6-digit code. The first two-digit refers to the month, the next two-digit refers to the day and the last two-digit the the year.		
Source	Building Permit Form		
Literal question	Date of Issuance		
# PN_PERMITNO: Permit Number			
Information	[Type= continuous] [Format=numeric] [Range= 1-926551] [Missing=*]		
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]		
Definition	Permit number refers to the number assigned to an approved building permit numbered continuously starting from 1 every year as follows: First two-digit refers to the year of issuance; Next two-digit refers to the month of issuance; and Next five-digit refers to the chronological numbering of permits issued every year.		
Source	Building Permit Form		
Literal question	Permit Number		
# FOWN_OWNER: Form of Ownership			
Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]		
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]		
Definition	Form of ownership refers to the legal right of possession of the structure for construction.		
Source	Building Permit Form		
Literal question	Form of Ownership		
Value	Label	Cases	Percentage
0	Others (e.g. church, etc.)	590	0.5%
1	Private Individuals and Households	71395	62.8%
2	Single Proprietorship	16270	14.3%
3	Partnership	70	0.1%
4	Government Corporation	67	0.1%
5	Private Corporation	23652	20.8%
6	Cooperative	111	0.1%
7	Association	22	0.0%
8	Local Government	735	0.6%
9	National Government	713	0.6%
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			
# ECON_ECOMICTI: Economic Activity			
Information	[Type= discrete] [Format=character] [Missing=*]		
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]		
Definition	Economic activity utilized the amended 1994 Philippine Standard Industrial Classification to classify the main activity through the use or type of occupancy of the building.		
Source	Building Permit Form		
Literal question	Main Economic Activity		

File : BP 2014

ECON_ECOMICTI: Economic Activity

Value	Label	Cases	Percentage
A	Agriculture, Hunting, and Forestry	497	0.4%
B	Fishing	0	
C	Mining and Quarrying	0	
D	Manufacturing	796	0.7%
E	Electricity, Gas and Water	96	0.1%
F	Construction	0	
G	Wholesale and Retail Trade, Repair of Motor Vehicles, Motorcycles and Personal and Household Goods	7208	6.3%
H	Hotels and Restaurants	1756	1.5%
I	Transportation, Communication, Storage	1674	1.5%
J	Financial Intermediation	839	0.7%
K	Real Estate , Renting and Business Services	17347	15.3%
L	Public Administration and Defense	192	0.2%
M	Education	1602	1.4%
N	Health and Social Work	431	0.4%
O	Other Community, Social, and Personal Services	2132	1.9%
X	Residential	63634	56.0%
a	Agriculture, Hunting, and Forestry	59	0.1%
b	Fishing	0	
c	Mining and Quarrying	0	
d	Manufacturing	145	0.1%
e	Electricity, Gas and Water	15	0.0%
f	Construction	0	
g	Wholesale and Retail Trade, Repair of Motor Vehicles, Motorcycles and Personal and Household Goods	1764	1.6%
h	Hotels and Restaurants	509	0.4%
i	Transportation, Communication, Storage	337	0.3%
j	Financial Intermediation	186	0.2%
k	Real Estate, Renting and Business Services	3915	3.4%
l	Public Administration and Defense	22	0.0%
m	Education	198	0.2%
n	Health and Social Work	85	0.1%
o	Other Community, Social, and Personal Services	480	0.4%
x	Residential	7706	6.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

LOCATION: Location

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]
Definition	Location refers to the province and municipality of construction.
Source	Building Permit Form
Literal question	Location of Construction

SCOPE: Scope of Construction

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
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File : BP 2014			
# SCOPE: Scope of Construction			
Statistics [NW/ W]		[Valid=113625 /-] [Invalid=0 /-]	
Definition		Scope of construction is classified according to the following: 1 New construction refers to site preparation for, and building of, entirely new structure. 2 Addition is any new construction which increases the height or area of an existing structure. 3 Repair is any remedial work done on any damaged or deteriorated portion of a structure to restore its original condition. 4 Renovation is any physical change made on structure to increase the value, quality or to improve the structural appearance. 5 Demolition is a systematic dismantling or destruction of a structure, in whole or in part.	
Source		Building Permit Form	
Literal question		Scope of Construction Work	
Value	Label	Cases	Percentage
1	New Construction	91363	<div></div> 80.4%
2	Addition	6589	<div></div> 5.8%
3	Repair	2537	<div></div> 2.2%
4	Renovation	12535	<div></div> 11.0%
5	Demolition	599	<div></div> 0.5%
6	Others	2	<div></div> 0.0%
Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.			
# UNITS: Number of Units			
Information		[Type= continuous] [Format=numeric] [Range= 1-481] [Missing=*]	
Statistics [NW/ W]		[Valid=113625 /-] [Invalid=0 /-]	
Definition		Number of units refers to the number of buildings or structures proposed to be constructed during the reference period. A building is any independent free-standing structure comprising one or more rooms or other spaces, covered by a roof and enclosed with external walls which extend from the foundation to the roof.	
Source		Building Permit Form	
Literal question		Number of Units	
# TOCC: Type of Occupancy			
Information		[Type= discrete] [Format=numeric] [Range= 10-75] [Missing=*]	
Statistics [NW/ W]		[Valid=113625 /-] [Invalid=0 /-]	
Definition		Type of occupancy is classified according to the use of residential or non-residential structure for construction. Residential is a building in which major parts or more than half of its gross floor area is built for dwelling purposes. Examples of this type are single house, duplex or quadruplex, rowhouse, townhouse, apartment, residential condominium, housing units for school staff, maids or drivers quarters. Non-residential structures include commercial, industrial, agricultural and institutional buildings, and other non-building structures.	
Source		Building Permit Form	
Literal question		Type of Occupancy	
Value	Label	Cases	Percentage
10	Other Residential	307	<div></div> 0.3%
11	Single	79854	<div></div> 70.3%
12	Duplex	1067	<div></div> 0.9%
13	Rowhouse/Accesoria/Townhouse/Apartment	5682	<div></div> 5.0%
14	Quadruplex	8	<div></div> 0.0%
15	Residential Condominium	198	<div></div> 0.2%

File : BP 2014

TOCC: Type of Occupancy

Value	Label	Cases	Percentage
20	Other Commercial	551	0.5%
21	Bank	828	0.7%
22	Store	8317	7.3%
23	Hotel/Motel	343	0.3%
24	Office Condominium/Business Office Buildings	3078	2.7%
25	Restaurant, Etc.	1678	1.5%
26	Shop	670	0.6%
27	Gasoline Station	561	0.5%
28	Market	24	0.0%
29	Dormitory & Other Lodging Houses	962	0.8%
30	Other Industrial	169	0.1%
31	Factory/Plant	658	0.6%
32	Repair Shop/Machine Shop	161	0.1%
33	Refinery	4	0.0%
34	Printing Press	12	0.0%
35	Warehouse	1350	1.2%
36	Powerplants	39	0.0%
37	Water Pumping Station	33	0.0%
40	Other Institutional	21	0.0%
41	School	1792	1.6%
42	Church & Other Religious Structures	761	0.7%
43	Hospital Or Similar Structures	517	0.5%
44	Welfare & Charitable Structures	55	0.0%
45	Theater, Auditorium, Gymnasium	455	0.4%
46	Government Building	202	0.2%
47	Port/Airport/Fishing Ports	3	0.0%
50	Other Agricultural	23	0.0%
51	Barns, Poultry Houses ..	527	0.5%
52	Grain Mill	98	0.1%
60	Other Construction	389	0.3%
61	Fitness And Body Building Center, Massage And Health Studio	82	0.1%
62	Cockpit/Funhouse/Billiard/Bowling	87	0.1%
63	Funeral Parlor	240	0.2%
64	Tool Plaza	1	0.0%
71	Parks, Plazas, Monuments, Pools, Plant Boxes	93	0.1%
72	Sidewalks, Promenades, Terraces, Lampposts, Electric Poles,	577	0.5%
73	Outdoor Ads, Signboard, Etc	182	0.2%
74	Fence Enclosure	966	0.9%
75	Golf Course	0	

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COB_COSTBLDG: Estimated Cost of Building

Information	[Type= continuous] [Format=numeric] [Range= 0-1833840000] [Missing=*]
Statistics [NW/ W]	[Valid=113553 /-] [Invalid=72 /-] [Mean=1922415.147 /-] [StdDev=61948428.125 /-]

File : BP 2014	
# COB_COSTBLDG: Estimated Cost of Building	
Definition	Estimated cost of building refers to the cost of constructing the building or structure excluding labor, electrical, mechanical and plumbing cost.
Source	Building Permit Form
Literal question	Estimated Cost of Building
# EC_COSTELEC: Estimated Cost of Electrical	
Information	[Type= continuous] [Format=numeric] [Range= 0-307800000] [Missing=*]
Statistics [NW/ W]	[Valid=113443 /-] [Invalid=182 /-] [Mean=295892.219 /-]
Definition	Estimated cost of electrical refers to all cost of electrical materials and equipment installed in constructing the structure.
Source	Building Permit Form
Literal question	Estimated Electricity Cost
# MC_COSTMECH: Estimated Cost of Mechanical	
Information	[Type= continuous] [Format=numeric] [Range= 0-200250000] [Missing=*]
Statistics [NW/ W]	[Valid=110716 /-] [Invalid=2909 /-] [Mean=98638.298 /-]
Definition	Estimated cost of mecahnical refers to all cost of mechanical materials and equipment installed in constructing the structure.
Source	Building Permit Form
Literal question	Estimated Mechanical Cost
# PC_COSTPLUM: Estimated Cost of Plumbing	
Information	[Type= continuous] [Format=numeric] [Range= 0-305640000] [Missing=*]
Statistics [NW/ W]	[Valid=113409 /-] [Invalid=216 /-] [Mean=276914.06 /-]
Definition	Estimated cost of plumbing refers to the all cost of plumbing materials and equipment installed in constructing the structure.
Source	Building Permit Form
Literal question	Estimated Plumbing Cost
# OC_COSTOTHR: Other Estimated Cost	
Information	[Type= continuous] [Format=numeric] [Range= 0-611280000] [Missing=*]
Statistics [NW/ W]	[Valid=113515 /-] [Invalid=110 /-] [Mean=659586.323 /-]
Definition	Other estimated cost includes labor cost and other cost in constructing the structure excluding building cost, electrical, mechanical and plumbing cost.
Source	Building Permit Form
Literal question	Other Estimated Cost
# TCC_COSTTOTAL: Total Estimated Cost	
Information	[Type= continuous] [Format=numeric] [Range= 1-3056400000] [Missing=*]
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-] [Mean=3248063.665 /-]
Definition	Total estimated cost refers to the sum of the cost of building, electrical, mechanical, plumbing, labor and other cost of construction.
Source	Building Permit Form
Literal question	Total Estimated Cost of Construction
# NS_STOREYS: Number of Storey	
Information	[Type= discrete] [Format=numeric] [Range= 0-50] [Missing=*]
Statistics [NW/ W]	[Valid=113317 /-] [Invalid=308 /-] [Mean=1.213 /-]

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NS_STOREYS: Number of Storey

Definition	Storey refers to that part of a building between any floor or between the floor and the roof.
Source	Building Permit Form
Literal question	Number of Storey

Value	Label	Cases	Percentage
0		17662	15.6%
1		61838	54.6%
2		29688	26.2%
3		3146	2.8%
4		597	0.5%
5		124	0.1%
6		53	0.0%
7		41	0.0%
8		17	0.0%
9		12	0.0%
10		30	0.0%
11		6	0.0%
12		12	0.0%
13		5	0.0%
14		3	0.0%
15		14	0.0%
16		2	0.0%
17		1	0.0%
18		3	0.0%
19		3	0.0%
20		3	0.0%
21		1	0.0%
22		5	0.0%
23		2	0.0%
24		2	0.0%
25		2	0.0%
26		3	0.0%
29		2	0.0%
30		3	0.0%
31		6	0.0%
34		2	0.0%
35		4	0.0%
36		2	0.0%
37		1	0.0%
38		5	0.0%
39		1	0.0%
41		5	0.0%
42		2	0.0%
43		2	0.0%
44		1	0.0%

File : BP 2014

NS_STOREYS: Number of Storey

Value	Label	Cases	Percentage
45		3	0.0%
46		1	0.0%
57		2	0.0%
Sysmiss		308	

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TFA_FLRAREA: Total Floor Area

Information	[Type= continuous] [Format=numeric] [Range= 0-112848] [Missing=*]
Statistics [NW/ W]	[Valid=113317 /-] [Invalid=308 /-] [Mean=252.997 /-]
Definition	Total floor area refers to the sum of the area of each floor of the building measured from 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.
Source	Building Permit Form
Literal question	Total Floor Area

PDC_PRODATE: Proposed Date of Construction

Information	[Type= discrete] [Format=numeric] [Range= 0-801109] [Missing=*]
Statistics [NW/ W]	[Valid=113624 /-] [Invalid=1 /-]
Definition	Propose date of construction refers to the date of start of work of the construction of the structure.
Source	Building Permit Form
Literal question	Proposed Date of Construction

EDC_EXPDATE: Expected Date of Construction

Information	[Type= discrete] [Format=numeric] [Range= 0-910301] [Missing=*]
Statistics [NW/ W]	[Valid=113623 /-] [Invalid=2 /-]
Definition	Expected date of completion refers to the date the construction project is supposed to be finished.
Source	Building Permit Form
Literal question	Expected Date of Construction

MCON_CONSMAT: Materials of Construction

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]
Definition	Materials of construction refer to the major material used in constructing the building or structure.
Source	Building Permit Form
Literal question	Materials of Construction

Value	Label	Cases	Percentage
C	Concrete	1542	1.4%
M	Mixed	94187	82.9%
S	Steel	7	0.0%
W	Wood	5122	4.5%
c	Concrete	306	0.3%
m	Mixed	12254	10.8%
s	Steel	0	
w	Wood	207	0.2%

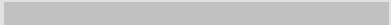


File : BP 2014

MCON_CONSMAT: Materials of Construction

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CONT_TYPE: Type of Contractor

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=113625 /-] [Invalid=0 /-]
Definition	Contractor refers to a company or person with a formal contract to do the construction, supplying labor and materials and providing and overseeing the workers if needed.
Source	Building Permit Form
Literal question	Type of Contractor

Value	Label	Cases	Percentage
1	Individual	89059	 78.4%
2	Developer/Real Estate	12397	 10.9%
3	Corporation	12169	 10.7%

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