

Philippines

National Statistics Office, National Economic Development Authority

**2008 Construction Statistics
from Approved Building Permits**

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Metadata Production

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Philippines (2008) 2008 Construction Statistics from Approved Building Permits (BP2008)

Overview	
Type	Administrative Records, Construction Statistics (ad/oth]
Identification	PHL-NSO-BP-2008-v1.0
Version	Production Date: 2010-03-08 v0.1: edited data
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 monitor the 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 National Statistics Office.
<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 National Statistics Office (NSO) 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 2008. The final data set provides updates to the 2008 Quarterly Special Releases on construction statistics posted in NSO 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.	
Keywords	Construction
Topics	Construction
Geographic Coverage National coverage	
Geographic Unit City and/or Municipality	
Universe All cities and municipalities issuing building permits.	

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

Sampling	
Sampling Procedure Not applicable.	
Deviations from Sample Design Not applicable.	
Response Rate Not applicable.	
Weighting Not applicable.	

Data Collection	
Data Collection Dates	every first week of the month: start 2008-01-02 every first week of the month: end 2008-12-07
Data Collection Mode	Other [oth] - Self administered administrative form
Data Collection Notes 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 NSO field personnel within this period. The NSO field personnel while still at the office of the LBO checks properly 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, with corresponding reasons, in the transmittal list. In cases where there is no	

construction in a given month in a municipality, the NSO field personnel secures a certification that there was no construction during the period from the LBO.

Questionnaires

Construction statistics are compiled by the National Statistics Office from the copies of original application forms of approved building permits collected every month by authorized NSO 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)

National Statistics Office (NSO) , National Economic Development Authority

Supervision

Central Office Supervision

The Industry Statistics Division of the National Statistics Office (NSO) 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 NSO 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 NSO 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 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	Industry and Trade Statistics Department (National Statistics Office) , www.census.gov.ph , info@census.gov.ph
Contact(s)	Industry and Trade Statistics Department (National Statistics Office) , www.census.gov.ph , info@census.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 National Statistics Office, 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 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 NSO 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 NSO.
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 reported to the NSO.

Citation Requirements

Any report, paper or similar articles, whether published or not, emanating from the use of this data shall give appropriate acknowledgement as suggested herein, “2006 Census of Philippine Business and Industry for Agriculture, Hunting, Forestry and Fishing v1.0 June 30, 2009, National Statistics Office, Manila, Philippines”, as the source of basic data. The data user or client is encouraged to provide NSO with a copy of such report, paper or article. It is understood that unless expressly allowed by the client, such report, paper or article shall not be used for any purpose other than monitoring.

Rights & Disclaimer

Disclaimer

The NSO gives no warranty that the data are free from errors. Hence, the NSO 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 National Statistics Office.

Files Description

Dataset contains 1 file(s)

2008BP	
# Cases	85226
# Variable(s)	24
<u>File Content</u> The dataset contains data derived from approved building permit documents.	
<u>Producer</u> Industry and Trade Statistics Department, National Statistics Office	
<u>Version</u> v1.0	
<u>Processing Checks</u> After data encoding, data items are subjected to validation and consistency checks. Indicators such as average cost per floor area, cost per building, floor area per storey and other indicators are also derived to check for the consistency between data items.	
<u>Missing Data</u> Not applicable.	

Variables List

Dataset contains 24 variable(s)

File 2008BP							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	fn_qtr	Quarter	discrete	numeric-1.0	85226	0	-
2	fn_prov	Province	discrete	numeric-2.0	85226	0	-
3	fn_num	Folio Number	discrete	numeric-3.0	85226	0	-
4	sn_sheetno	Sheet Number	discrete	numeric-2.0	85226	0	-
5	date_issuance	Date of Issuance	discrete	numeric-6.0	85226	0	-
6	pn_permitno	Permit Number	discrete	numeric-6.0	85226	0	-
7	fown_owner	Form of Ownership	discrete	numeric-1.0	85226	0	-
8	econ_emicact	Economic Activity	discrete	character-1	85226	0	-
9	loc_location	Location of Construction Code	discrete	character-5	85226	0	-
10	scope	Scope of Construction	discrete	numeric-1.0	85226	0	-
11	units	Number of Units	discrete	numeric-4.0	85226	0	-
12	tocc	Type of Occupancy	discrete	numeric-2.0	85226	0	-
13	cob_costbldg	Estimated Cost of Building	continuous	numeric-10.0	79289	5937	-
14	ec_costelec	Estimated Cost of Electrical	continuous	numeric-9.0	66819	18407	-
15	mc_costmech	Estimated Cost of Mechanical	continuous	numeric-9.0	32133	53093	-
16	pc_costplum	Estimated Cost of Plumbing	continuous	numeric-9.0	62205	23021	-
17	oc_costothr	Other Estimated Cost	continuous	numeric-10.0	63115	22111	-
18	tcc_costtotal	Total Estimated Cost	continuous	numeric-10.0	85226	0	-
19	ns_storeys	Number of Storey	discrete	numeric-2.0	79832	5394	-
20	tfa_flrarea	Total Floor Area	discrete	numeric-6.0	79787	5439	-
21	pdc_prodate	Propose Date of Construction	discrete	numeric-6.0	85144	82	-
22	edc_expdate	Expected Date of Completion	discrete	numeric-6.0	85084	142	-
23	mcon_consmat	Materials of Construction	discrete	character-1	85226	0	-
24	cont_type	Type of Contractor	discrete	numeric-1.0	85226	0	-

Variables Description

Dataset contains 24 variable(s)

File 2008BP			
#1 fn_qtr: Quarter			
Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*]		
Statistics [NW/ W]	[Valid=85226 /-] [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.		
Value	Label	Cases	Percentage
1	1st quarter	21138	24.8%
2	2nd quarter	23372	27.4%
3	3rd quarter	21143	24.8%
4	4th quarter	19573	23.0%
<i>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.</i>			
#2 fn_prov: Province			
Information	[Type= discrete] [Format=numeric] [Range= 1-82] [Missing=*]		
Statistics [NW/ W]	[Valid=85226 /-] [Invalid=0 /-]		
Definition	Province is a two-digit geographic code in accordance with the Philippine Standard Geographic Classification representing the provinces of the country.		
<i>Frequency table not shown (83 Modalities)</i>			
#3 fn_num: Folio Number			
Information	[Type= discrete] [Format=numeric] [Range= 1-601] [Missing=*]		
Statistics [NW/ W]	[Valid=85226 /-] [Invalid=0 /-]		
Definition	Folio number is a three-digit number used by NSO for control purposes. A folio contains a maximum of 100 documents.		
#4 sn_sheetno: Sheet Number			
Information	[Type= discrete] [Format=numeric] [Range= 0-99] [Missing=*]		
Statistics [NW/ W]	[Valid=85226 /-] [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.		
#5 date_issuance: Date of Issuance			
Information	[Type= discrete] [Format=numeric] [Range= 10108-123008] [Missing=*]		
Statistics [NW/ W]	[Valid=85226 /-] [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.		
#6 pn_permitno: Permit Number			
Information	[Type= discrete] [Format=numeric] [Range= 1-999999] [Missing=*]		
Statistics [NW/ W]	[Valid=85226 /-] [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.		

File 2008BP**#7 fown_owner: Form of Ownership**

Information	[Type= discrete] [Format=numeric] [Range= 0-9] [Missing=*]
Statistics [NW/ W]	[Valid=85226 /-] [Invalid=0 /-]
Definition	Form of ownership refers to the legal right of possession of the structure for construction.

Value	Label	Cases	Percentage
0	Others (e.g. church, etc.)	532	0.6%
1	Private Individuals and Households	60844	71.4%
2	Single Proprietorship	7723	9.1%
3	Partnership	126	0.1%
4	Government Corporation	138	0.2%
5	Private Corporation	15178	17.8%
6	Cooperative	79	0.1%
7	Association	129	0.2%
8	Local Government	302	0.4%
9	National Government	175	0.2%

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.

#8 econ_emicacti: Economic Activity

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=85226 /-] [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.

Frequency table not shown (31 Modalities)

#9 loc_location: Location of Construction Code

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=85226 /-] [Invalid=0 /-]
Definition	Location of construction refers to the area where the building or structure is constructed. It is a four or five-digit geographic code in accordance with the Philippine Standard Geographic Classification. The first two-digit refers to the province code, the next two-digit is the municipality code, and the last digit is a check digit.

#10 scope: Scope of Construction

Information	[Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*]
Statistics [NW/ W]	[Valid=85226 /-] [Invalid=0 /-]
Definition	Scope of construction is classified according to the following: <ul style="list-style-type: none"> 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. 6 Others

Value	Label	Cases	Percentage
1	New Construction	69951	82.1%
2	Addition	4107	4.8%
3	Repair	4502	5.3%
4	Renovation	6305	7.4%

File 2008BP			
#10 scope: Scope of Construction			
Value	Label	Cases	Percentage
5	Demolition	358	0.4%
6	Others	3	0.0%
<i>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.</i>			
#11 units: Number of Units			
Information	[Type= discrete] [Format=numeric] [Range= 1-9999] [Missing=*]		
Statistics [NW/ W]	[Valid=85226 /-] [Invalid=0 /-]		
Definition	<p>Number of units refers to the number of buildings or structures proposed to be constructed during the reference period.</p> <p>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.</p>		
#12 tocc: Type of Occupancy			
Information	[Type= discrete] [Format=numeric] [Range= 10-75] [Missing=*]		
Statistics [NW/ W]	[Valid=85226 /-] [Invalid=0 /-]		
Definition	<p>Type of occupancy is classified according to the use of residential or non-residential structure for construction.</p> <p>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.</p> <p>Non-residential structures include commercial, industrial, agricultural and institutional buildings, and other non-building structures.</p>		
<i>Frequency table not shown (45 Modalities)</i>			
#13 cob_costbldg: Estimated Cost of Building			
Information	[Type= continuous] [Format=numeric] [Range= 0-2729832363] [Missing=*]		
Statistics [NW/ W]	[Valid=79289 /-] [Invalid=5937 /-] [Mean=1237210.002 /-] [StdDev=16848788.501 /-]		
Definition	Estimated cost of building refers to the cost of constructing the building or structure excluding labor, electrical, mechanical and plumbing cost.		
#14 ec_costelec: Estimated Cost of Electrical			
Information	[Type= continuous] [Format=numeric] [Range= 0-9999999999] [Missing=*]		
Statistics [NW/ W]	[Valid=66819 /-] [Invalid=18407 /-] [Mean=161983.092 /-] [StdDev=3236562.225 /-]		
Definition	Estimated cost of electrical refers to all cost of electrical materials and equipment installed in constructing the structure.		
#15 mc_costmech: Estimated Cost of Mechanical			
Information	[Type= continuous] [Format=numeric] [Range= 0-9999999999] [Missing=*]		
Statistics [NW/ W]	[Valid=32133 /-] [Invalid=53093 /-] [Mean=109099.311 /-] [StdDev=4017588.802 /-]		
Definition	Estimated cost of mechanical refers to all cost of mechanical materials and equipment installed in constructing the structure.		
#16 pc_costplum: Estimated Cost of Plumbing			
Information	[Type= continuous] [Format=numeric] [Range= 0-364788924] [Missing=*]		
Statistics [NW/ W]	[Valid=62205 /-] [Invalid=23021 /-] [Mean=135220.946 /-] [StdDev=2223273.062 /-]		
Definition	Estimated cost of plumbing refers to the all cost of plumbing materials and equipment installed in constructing the structure.		

File 2008BP**#17 oc_costothr: Other Estimated Cost**

Information	[Type= continuous] [Format=numeric] [Range= 0-1779128102] [Missing=*]
Statistics [NW/ W]	[Valid=63115 /-] [Invalid=22111 /-] [Mean=369924.99 /-] [StdDev=8048318.189 /-]
Definition	Other estimated cost includes labor cost and other cost in constructing the structure excluding building cost, electrical, mechanical and plumbing cost.

#18 tcc_costtotal: Total Estimated Cost

Information	[Type= continuous] [Format=numeric] [Range= 1-5006299964] [Missing=*]
Statistics [NW/ W]	[Valid=85226 /-] [Invalid=0 /-] [Mean=1691803.146 /-] [StdDev=25935965.866 /-]
Definition	Total estimated cost refers to the sum of the cost of building, electrical, mechanical, plumbing, labor and other cost of construction.

#19 ns_storeys: Number of Storey

Information	[Type= discrete] [Format=numeric] [Range= 0-48] [Missing=*]
Statistics [NW/ W]	[Valid=79832 /-] [Invalid=5394 /-] [Mean=1.223 /-] [StdDev=1.078 /-]
Definition	Storey refers to that part of a building between any floor or between the floor and the roof.

Frequency table not shown (46 Modalities)

#20 tfa_flrarea: Total Floor Area

Information	[Type= discrete] [Format=numeric] [Range= 0-139642] [Missing=*]
Statistics [NW/ W]	[Valid=79787 /-] [Invalid=5439 /-] [Mean=217.646 /-] [StdDev=1743.089 /-]
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.

#21 pdc_prodate: Propose Date of Construction

Information	[Type= discrete] [Format=numeric] [Range= 0-202000] [Missing=*]
Statistics [NW/ W]	[Valid=85144 /-] [Invalid=82 /-]
Definition	Propose date of construction refers to the date of start of work of the construction of the structure.

#22 edc_expdate: Expected Date of Completion

Information	[Type= discrete] [Format=numeric] [Range= 0-812150] [Missing=*]
Statistics [NW/ W]	[Valid=85084 /-] [Invalid=142 /-]
Definition	Expected date of completion refers to the date the construction project is supposed to be finished.

#23 mcon_consmat: Materials of Construction

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=85226 /-] [Invalid=0 /-]
Definition	Materials of construction refer to the major material used in constructing the building or structure.

Value	Label	Cases	Percentage
C	Concrete	1551	1.8%
M	Mixed	80523	94.5%
S	Steel	73	0.1%
W	Wood	3041	3.6%
c	Concrete	6	0.0%
m	Mixed	29	0.0%
s	Steel	0	0.0%

File 2008BP**#23 mcon_consmat: Materials of Construction**

Value	Label	Cases	Percentage
w	Wood	3	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.

#24 cont_type: Type of Contractor

Information	[Type= discrete] [Format=numeric] [Range= 1-3] [Missing=*]
Statistics [NW/ W]	[Valid=85226 /-] [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.

Value	Label	Cases	Percentage
1	Individual	76402	89.6%
2	Developer/Real Estate	7138	8.4%
3	Corporation	1686	2.0%

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.

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Reports and analytical documents

2008 Construction Statistics from Approved Building Permits Metadata, Industry and Trade Statistics Department, National Statistics Office, October 2010, Philippines [phl], "toolkit-generated PDF\BP 2008 Toolkit Generated.pdf"

Description

The Construction Statistics from Approved Building Permits Metadata is a documentation of construction statistics for the year 2008 in portable document format generated using the IHSN Microdata Management Toolkit.

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2008 Construction Statistics from Approved Building Permits Special Release, Industry and Trade Statistics Department, National Statistics Office, February 2010, Philippines [phl], "dissemination\Annual Special Release.pdf"

Description

The special release presents the analysis on the final results of Construction Statistics from Approved Building Permits for the year 2008. It includes the analysis on the number of units, total floor area, total value of construction and the average cost of construction by type of building.

2008 Construction Statistics from Approved Building Permits Annual Tables, Industry and Trade Statistics Department, National Statistics Office, February 2010, Philippines [phl], "dissemination\Final Tables 2008.pdf"

Description

The construction statistics annual tables presents the final data series for the year 2008. The final tables are presented at the regional, provincial and municipality levels by type of building and by period. Final tables are generated eight months after the reference year.

The final tables provides updates to the 2008 Quarterly Preliminary Results on construction statistics posted in NSO 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.

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CONSTRUCTION STATISTICS FROM APPROVED BUILDING PERMITS FOR 2008

A. ANNUAL TABLES

TABLE 1 Number, floor area and value of new construction by type and by municipality: Philippines, 2008

TABLE 2 Number, floor area and value of new residential building by type and by municipality: Philippines, 2008

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TABLE 3 Number, floor area and value of new non-residential construction by type and by municipality: Philippines, 3rd quarter 2008

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TABLE 5 Number, floor area and value of new industrial building by type and by municipality: Philippines, 3rd quarter 2008

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TABLE 3 Number, floor area and value of new non-residential construction by type and by municipality: Philippines, 4th quarter 2008

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TABLE 5 Number, floor area and value of new industrial building by type and by municipality: Philippines, 4th quarter 2008

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TABLE 1 Number, floor area and value of new construction by type and by municipality: Philippines, February 2008

TABLE 2 Number, floor area and value of new residential building by type and by municipality: Philippines, February 2008

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TABLE 3 Number, floor area and value of new non-residential construction by type and by municipality: Philippines, March 2008

TABLE 4 Number, floor area and value of new commercial building by type and by municipality: Philippines, March 2008

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- TABLE 1 Number, floor area and value of new construction by type and by municipality: Philippines, November 2008
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- TABLE 5 Number, floor area and value of new industrial building by type and by municipality: Philippines, December 2008

Questionnaires

Building Permit Form, "preparatory phase\building permit form.pdf"

Description

A building permit is a written authorization granted by the Local Building Official 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.

Table of Contents

Data items found in the building permit documents are the following:

1. Permit Number
2. Date Issued

3. Form of ownership
4. Main Economic Activity/Kind of Business
5. Location of construction
6. Scope of Work
7. Number of Units
8. Use or type of occupancy
9. Total estimated cost
10. Cost of equipment installed
11. Number of storey
12. Total Floor Area
13. Proposed date of construction
14. Expected date of completion
15. Materials of construction
16. Name of Architect/Civil Engineer In charge of construction

Technical documents

Construction Statistics from Approved Building Permits Field Operations Manual, Industry and Trade Statistics Department, National Statistics Office, October 1997, Philippines [phl], "preparatory phase\Processing Instructions_rev.pdf"

Description

The construction statistics "Processing Instructions Manual" serves as a guide to both NSO field and central office personnel in the efficient collection and processing of collected documents. The manual contains the fundamental concepts used and specific instructions in the processing of building permit documents.

Table of Contents

- 1 INTRODUCTION
- 2 MANUAL PROCESSING
 - 2.1 Instructions for Completeness Check
 - 2.2 Editing Instructions
 - 2.3 General Instructions in Editing
 - 2.4 Specific Instructions in Editing
- 3 FOLIOING OF DOCUMENTS
- 4 MACHINE PROCESSING
 - 4.1 Verification of Edit Listing
 - 4.2 Tabulation of Results
- 5 TRANSMITTAL OF DOCUMENTS AND DATA FILES TO CENTRAL OFFICE
- APPENDICES
 - 1 BP Form 1 (Control Form)
 - 2 BP Form 2 (Folio Cover)
 - 3 Philippine Standard Geographic Code
 - 4 Complete List of Type of Occupancy and Corresponding Codes
 - 5 Average Cost of Construction per Square Meter for Residential and Non-Residential Building by Province: 2006)
 - 6 List of Error Messages for BP Machine Processing of Data and Actions to be Taken

Building Permit Computer System User's Manual, Industry and Trade Statistics Department, National Statistics Office, June 2008, Philippines [phl], "preparatory phase\User's Manual_rev.pdf"

Description

The Building Permit Computer System (BPCS) User's Manual is intended to guide all those involved, specially NSO field personnel, in the machine processing and tabulation of construction statistics from approved building permits. The user's manual defines the minimum computer configuration necessary to run the window-based application system. It discusses procedures for system installation, data entry, processing and tabulation of data.

Table of Contents

- Chapter I - INTRODUCTION
 - 1.1 Building Permit Computer System

1.2 System Requirements
 1.3 System Installation
 1.4 Some Useful Terms
 Chapter II – BPCS MODULES
 2.1 System Modules
 2.2 Initiating the BPCS
 Chapter III - DATA ENTRY/UPDATE
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 3.2 Adding Record to a Folio
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 4.1 Initiating the Merge Module
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 6.1 The Tabulation Module
 6.2 Box for Selection of Period
 6.3 Box for Selection of Area
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 CHAPTER VII – UTILITIES
 7.1 The Utilities Module
 7.2 Change Configuration
 7.3 Create copy for Central Office
 7.4 Backup Data Files
 7.5 Text Viewer
 CHAPTER VIII – UTILITIES
 8.1 The Exit Module

Other documents

Construction Statistics from Approved Building Permits Table Formats and Specifications, Industry and Trade Statistics Department, National Statistics Office, May 2008, Philippines [phl], "data processing\BP-TabSpecs.pdf"

Description

The table formats and specifications are prepared to guide the programmers in the development and generation of statistical tables. It shows what data items in the building permit document will be tallied in each column of the tables are to be generated.

Construction Statistics from Approved Building Permits Presentation, Industry and Trade Statistics Department, National Statistics Office, February 2010, Philippines [phl], "dissemination\BP_presentation.pdf"

Description

The Construction Statistics from Approved Building Permits presentation presents the historical background, objective, uses of data, the data source, limitations of data generated, scope and coverage, geographic and industrial classification, data generated, and phases or flow of operations in generating construction statistics from approved building permits.

Scripts and programs

Construction Statistics from Approved Building Permit Datafile Description, Information Resources Department, National Statistics Office, May 2008, "data processing\BP data description.pdf"

Description

The data dictionary gives the description of how the data are stored in the file. It describes the overall organization of the each record in the file and the characteristics of each item in the record such as variable names, position in the data record, type of data, length and valid values.

Construction Statistics from Approved Building Permit Validation Program, Information Resources Department, National Statistics Office, June 2008, Philippines [phl], "data processing\validation program.pdf"

Description

The validation program checks the acceptability of entries, completeness and consistency between data items. The output of the validation program is an error listing which displays all inconsistent and erroneous records found in the datafile.

Construction Statistics from Approved Building Permit Tabulation Program, Information Resources Department, National Statistics Office, June 2008, Philippines [phl], "data processing\tabulation program.pdf"

Description

Tabulation program contains set of specifications indicating where the data items will be tallied.