

Philippines - Producer Price Survey for Manufacturing 2015

Philippine Statistics Authority - National Economic and Development Authority

Report generated on: October 10, 2018

Visit our data catalog at: <http://202.90.134.37/psada/index.php>

Overview

Identification

ID NUMBER
PHL-PSA-PPS-2015-v2.1

Version

VERSION DESCRIPTION
v2.1: Edited dataset, for public use

PRODUCTION DATE
2016-08

Overview

ABSTRACT

The Philippine Statistics Authority generates various establishment-based price indices, one of which is the Producers Price Index (PPI). The 2015 PPI (2000 base year) is generated from the results of the Producer Price Survey conducted monthly by the PSA. This is done through the collection of actual producer prices from sample establishments nationwide. The PPS uses a shuttle type questionnaire which provides the respondent establishments with a running account of all monthly responses for the year. For 2015, the survey covered 1,898 sample products produced by 728 manufacturing establishments.

The Producer Price Index (PPI) for Manufacturing is a composite figure of producers prices of representative commodities included in the market basket. The PPI serves various purposes, the most important of which are the following:

- a. measures monthly or yearly changes in the producers prices of key commodities in the manufacturing sector
- b. serves as deflator to Value of Production Index (VaPI) and Value of Net Sales Index (VaNSI) in the estimation of the Volume of Production Index (VoPI) and Volume of Net Sales Index (VoNSI) for the MISSI, respectively
- c. serves as deflator in the estimation of manufacturing production in real terms (at constant prices) in the system of national accounts.

The PPI is computed using the Paasche-type method of index computation . As such, the weights are continuously revised upon availability of the latest data from the annual survey or census. In the case of 2015 PPI, the weights are taken from the 2012 Census of Philippine Business and Industry (CPBI). The revision of weights , are however instituted at the beginning of each year and are used for the entire year.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS

Establishment - defined as an economic unit under a single ownership or control, i.e., under a single legal entity, engaged in one or predominantly one kind of economic activity at a single fixed location.

Scope

NOTES

The 2015 PPS covers manufacturing establishments with average total employment of 20 and over. The following are the data items gathered from the responding establishment:

I. ECN

II. Product Number

III. Year/Month

IV. Producer Prices of Selected Products

TOPICS

| Topic | Vocabulary | URI |
|-------------------------------------|---------------------------------|-----|
| Business statistics | Philippine Statistics Authority | |
| Mining, manufacturing, construction | Philippine Statistics Authority | |
| Business and agricultural surveys | Philippine Statistics Authority | |

Coverage

GEOGRAPHIC COVERAGE

The geographic domain is national or the whole country.

UNIVERSE

Establishments in the Formal sector with total employment of 20 and over of the Manufacturing Industry

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

| Name | Affiliation |
|---------------------------------|---|
| Philippine Statistics Authority | National Economic and Development Authority |

FUNDING

| Name | Abbreviation | Role |
|-------------------------------|--------------|--------------|
| Government of the Philippines | GOP | Full funding |

OTHER ACKNOWLEDGEMENTS

| Name | Affiliation | Role |
|------|-------------|------|
| | | |

Metadata Production

METADATA PRODUCED BY

| Name | Abbreviation | Affiliation | Role |
|------------------------------|--------------|---------------------------------|------|
| Industry Statistics Division | ISD | Philippine Statistics Authority | PSA |
| | | | |

DATE OF METADATA PRODUCTION

2018-10-01

DDI DOCUMENT VERSION

Version 1.0 (October 2018) - PPS First documentation

DDI DOCUMENT ID

DDI-PHL-PSA-PPS-2015-v1.0

Sampling

Sampling Procedure

The 2015 PPS is a non-probability sampling survey of the manufacturing sector. Sample establishments and commodities were selected using the following criteria:

- a. the commodity has a relatively high market share
- b. the commodity was available in the market in 2000, this being the base year
- c. the commodity is being produced currently, and
- d. the market share of the commodity has been stable for the last 3 years

In the same manner, criteria were also set for the selection of establishments, as follows:

- a. establishment has an average total employment of 20 and over
- b. establishment has relatively high concentration ratio
- c. establishment is good respondent in past and current surveys of PSA; that is, it submits prompt reports and provides quality data
- d. the establishment is a sample of the MISSI.

The 2015 PPS utilizes the 3-digit and selected 4-digit amended PSIC as its industry domain which is patterned after ISIC version 3.

Thus, there are 20 major sectors with 10 further categorized into sub-sectors or a total of 37 sub-sectors for the 2015 MISSI/PPS. These are:

1. Food Manufacturing
 - 1.1. Processed meat and fish
 - 1.2. Processed fruits and vegetables
 - 1.3. Vegetable and animal oils and fats
 - 1.4. Milk and dairy products
 - 1.5. Grain mills products
 - 1.6. Animal feeds
 - 1.7. Bakery products
 - 1.8. Milled and refined sugar
 - 1.9. Coconut products
 - 1.10. Miscellaneous foods
2. Beverages
3. Tobacco products
4. Textiles
 - 4.1. Textile products
 - 4.2. Cordage, rope and twine
5. Footwear and wearing apparel
6. Leather products
7. Wood and wood products
 - 7.1. Planning and sawmill
 - 7.2. Veneer and plywood
 - 7.3. Other wood products
8. Paper and paper products
9. Printing
10. Petroleum products
 - 10.1. Refined petroleum products
 - 10.2. Coke and other fuel products
11. Chemical products
 - 11.1. Basic Chemicals and industrial gases
 - 11.2. Fertilizers
 - 11.3. Paints
 - 11.4. Drugs and medicines
 - 11.5. Cosmetics and toilet preparations

- 11.6. Miscellaneous Chemicals
- 12. Rubber and plastic products
 - 12.1. Rubber products
 - 12.2. Plastic products
- 13. Non-metallic mineral products
 - 13.1. Glass and glass products
 - 13.2. Cement
 - 13.3. Miscellaneous non-metallic mineral products
- 14. Basic metals
 - 14.1. Iron and steel
 - 14.2. Non-ferrous metals
- 15. Fabricated metal products
- 16. Machinery except electrical
 - 16.1. Office,accounting and computing machinery
 - 16.2. Machinery and equipment n.e.c.
- 17. Electrical machinery
 - 17.1. Electrical appliances
 - 17.2. Wires and wirings
 - 17.3. Batteries
 - 17.4. Lamps and fixtures
 - 17.5. Microcircuits
- 18. Transport equipment
- 19. Furnitures and fixtures
- 20. Miscellaneous Manufactures

Indicators generated from 2015 PPS (2000 based year) are the following:

1. Producer Price Index (PPI), yearly and monthly growth rates

Data of non-responding samples were estimated using short-term geometric mean of the relative values of responding samples within the industry class. Revisions to the preliminary estimates are done upon receipt of actual reports of late respondents.

Response Rate

The average monthly response rate is 80.61%, 35 days (preliminary tabulation) after the reference month and 95.5 % for the final table.

Weighting

Not applicable.

Questionnaires

Overview

The PPS went through the regular clearance process. It utilizes a shuttle type questionnaire with approval number and expiration date. For the 2015 PPS, the approval number is PSA-1261 with expiration date of 31 March 2015.

The field offices distribute the questionnaires at the beginning of the year and collect the data on a monthly basis.

Data Collection

Data Collection Dates

| Start | End | Cycle |
|------------|------------|-----------------|
| 2015-02-15 | 2015-02-28 | January round |
| 2015-03-15 | 2015-03-30 | February round |
| 2015-04-15 | 2015-04-30 | March round |
| 2015-05-15 | 2015-05-30 | April round |
| 2015-06-15 | 2015-06-30 | May round |
| 2015-07-15 | 2015-07-30 | June round |
| 2015-08-15 | 2015-08-30 | July ound |
| 2015-09-15 | 2015-09-30 | August round |
| 2015-10-15 | 2015-10-30 | September round |
| 2015-11-15 | 2015-11-30 | October round |
| 2015-12-15 | 2015-12-30 | November round |
| 2016-01-15 | 2016-01-30 | December round |

Time Periods

| Start | End | Cycle |
|------------|-----|-----------|
| 2015-01-01 | | January |
| 2015-02-01 | | February |
| 2015-03-01 | | March |
| 2015-04-01 | | April |
| 2015-05-01 | | May |
| 2015-06-01 | | June |
| 2015-07-01 | | July |
| 2015-08-01 | | August |
| 2015-09-01 | | September |
| 2015-10-01 | | October |
| 2015-11-01 | | November |
| 2015-12-01 | | December |

Data Collection Mode

Face-to-face [f2f]

Data Collection Notes

Collection of PPS questionnaires is done every 15th day to 30th day after each reference month.

Questionnaires

The PPS went through the regular clearance process. It utilizes a shuttle type questionnaire with approval number and expiration date. For the 2015 PPS, the approval number is PSA-1261 with expiration date of 31 March 2015.

The field offices distribute the questionnaires at the beginning of the year and collects the data on a monthly basis.

Data Collectors

| Name | Abbreviation | Affiliation |
|------|--------------|-------------|
|------|--------------|-------------|

| Name | Abbreviation | Affiliation |
|---------------------------------|--------------|-------------|
| Philippine Statistics Authority | PSA | |

Supervision

The distribution and collection of questionnaires is under the supervision of the Provincial and Regional Offices.

Data Processing

Data Editing

It is important to verify the reasonableness and reliability of the prices of products included in the market basket for a given month. Data editing consisted of three stages: field editing, office verification and machine validation.

Field editing of data was done by the provincial staff upon collection of the accomplished questionnaires from the establishments. The objective is to check for completeness and consistency of entries in the questionnaires. Any inconsistent or missing data was corrected at this stage as this can be immediately verified from the respondents.

Office verification was done by provincial office staff upon receipt of the accomplished questionnaires from the field men. In some instances, callback to the establishments in the form of phone call or email to verify some inconsistent or missing data is done.

Desk verification was done by the ISD staff to check the consistency and reasonableness of entries in the accomplished questionnaires. This process also validates the status of establishments such as non-responding and reported closed, cannot be located, transferred, and out of scope. The telephone was extensively utilized to verify information from the establishment's contact person. The Internet was also used to obtain information on the contact address and to research for information on the status of the establishment.

Missing prices for products of sample establishments are estimated using the short-term geometric mean of the actual prices of responding samples within the same industry class. Revisions to the preliminary estimates are done upon receipt of actual reports from late responding establishments.

Other Processing

The 2015 PPS utilizes the simple formulas and macros of Microsoft Excel in the compilation of 2015 PPI data series. Tabulation is done using the same spreadsheet software. The Paasche method of index computation is applied to generate the Producers Price Index .

Data Appraisal

Estimates of Sampling Error

Not applicable.

Other forms of Data Appraisal

The quality of the PPI indicators are measured in terms of the following:

- > Representativeness of the samples as measured in the CONCENTRATION RATIO- the combined production value of the samples as a percentage to the total industry production value
- > Response rate of the survey
- > Imputation method used for non-responses

File Description

Variable List

PPS 2015 (2000=100)

| | |
|--------------|---------------------------------------|
| Content | |
| Cases | 0 |
| Variable(s) | 13 |
| Structure | Type: Keys: () |
| Version | |
| Producer | Philippine Statistics Authority (PSA) |
| Missing Data | |

Variables

| ID | Name | Label | Type | Format | Question |
|-----|-------|------------------------------|----------|-----------|-------------------------------------|
| V9 | ECN | Establishment Control Number | discrete | character | Identification of the establishment |
| V2 | REG | Region | discrete | numeric | Identification of the establishment |
| V3 | PROV | Province | discrete | numeric | Identification of the establishment |
| V4 | MUN | Municipality Code | discrete | numeric | Identification of the establishment |
| V5 | SZ | Employment Size | discrete | numeric | Identification of the establishment |
| V6 | LO | Legal Organization | discrete | numeric | Identification of the establishment |
| V7 | EO | Economic Organization | discrete | numeric | Identification of the establishment |
| V10 | IND | Industry Code | discrete | character | Identification of the establishment |
| V21 | PROD | Product | discrete | character | Product |
| V22 | BName | Brand Name | discrete | character | Brand Name |
| V24 | SPECS | Specifications | discrete | character | Specifications |
| V23 | UM | Unit of Measure | discrete | character | Unit of Measure |
| V27 | PRICE | Producer Price | contin | numeric | Producer Price |

Establishment Control Number (ECN)

File: PPS 2015 (2000=100)

Overview

Type: Discrete
Format: character
Width: 14

Valid cases: 0
Invalid: 0

Description

The Establishment control number (ECN) is a permanent identification number assigned to an establishment. It consists of 14 alpha-numeric characters.

Where establishment is the unit of analysis for this survey. An establishment is defined as an economic unit under a single ownership or control, i.e., under a single legal entity, engaged in one or predominantly one kind of economic activity at a single fixed location.

Literal question

Identification of the establishment

Region (REG)

File: PPS 2015 (2000=100)

Overview

Type: Discrete
Format: numeric
Width: 2
Decimals: 0
Range: 1-17

Valid cases: 0
Invalid: 0

Description

Region code (REG) is a two-digit geographic code in accordance with the Philippine Standard Geographic Classification (PSGC) representing the 17 regions of the country.

Literal question

Identification of the establishment

Province (PROV)

File: PPS 2015 (2000=100)

Overview

Type: Discrete
Format: numeric
Width: 2
Decimals: 0
Range: 1-84

Valid cases: 0
Invalid: 0

Description

Province code (PRV) is a two-digit geographic code in accordance with the Philippine Standard Geographic Classification (PSGC) representing the 80 provinces of the country.

Literal question

Identification of the establishment

Municipality Code (MUN)

File: PPS 2015 (2000=100)

Overview

Municipality Code (MUN)

File: PPS 2015 (2000=100)

Type: Discrete
 Format: numeric
 Width: 2
 Decimals: 0
 Range: 1-53

Valid cases: 0
 Invalid: 0

Description

Municipality code (MUN) is a two-digit geographic code in accordance with the Philippine Standard Geographic Classification (PSGC).

Literal question

Identification of the establishment

Employment Size (SZ)

File: PPS 2015 (2000=100)

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 1-9

Valid cases: 0
 Invalid: 0

Description

Employment size (SZ) is the size of an establishment determined by its total employment.

Literal question

Identification of the establishment

Legal Organization (LO)

File: PPS 2015 (2000=100)

Overview

Type: Discrete
 Format: numeric
 Width: 1
 Decimals: 0
 Range: 1-6

Valid cases: 0
 Invalid: 0

Description

The Legal Organization (LO) is found in the addressed stub of the establishment. It refers to the legal form of the economic entity which owns the establishment. The types of legal organization are single proprietorship, partnership, government corporation, other private corporation, cooperative, and other legal organizations such as associations, foundations, non-government organizations (NGOs), etc.

Single proprietorship (LO Code 1) refers to a form of legal or business organization organized, owned, and managed by one person, who alone assumes the risk of the business enterprise.

Partnership (LO Code 2) refers to an association of two or more individuals for the conduct of a business enterprise based upon an agreement or contract between or among them to contribute money, property or industry into a common fund with the intention of dividing profits among themselves.

Government corporation (LO Code 3) is a private corporation organized for private aim, benefit or purpose and owned or controlled by the government.

Private corporation (LO Code 4) refers to a corporation organized by private persons.

Cooperative (LO Code 5) is an organization composed primarily of small producers and/or consumers who voluntarily join together to form a business enterprise which they themselves own, control and patronize.

Literal question

Identification of the establishment

Economic Organization (EO)

File: PPS 2015 (2000=100)

Overview

Type: Discrete
Format: numeric
Width: 1
Decimals: 0
Range: 1-5

Valid cases: 0
Invalid: 0

Description

The Economic Organization (EO) is found in the addressed stub of the establishment. It relates to the organizational structure or role of the establishment in the organization. An establishment may be classified according to its economic organization, that is, whether an establishment is a single establishment, a branch, an establishment and main office, a main office only, or an ancillary unit.

Single establishment (EO Code 1) is one which has no branch or main office.

Branch (EO Code 2) is an establishment with main office located elsewhere.

Establishment and main office (EO Code 3) is one which is both located in the same address and with branch/es elsewhere.

Main office (EO Code 4) is an ancillary unit which controls, supervises and directs one or more establishments of an enterprise.

Ancillary unit (EO Code 5) is an economic unit that operates primarily or exclusively for a related establishment or group of establishments and produces goods or services that support but do not become part of the output of those establishments. Examples of ancillary units are warehouses, garages, and repair shops of transport establishments, research laboratories, or electric power plants of a movie house or of a factory which primarily serve their parent units. To be classified also under this category are extension stores of retail stores in markets.

Literal question

Identification of the establishment

Industry Code (IND)

File: PPS 2015 (2000=100)

Overview

Type: Discrete
Format: character
Width: 6

Valid cases: 0
Invalid: 0

Description

The Industry code (IND) is found in the address stub of the establishment. This is a six-character alpha numeric code of the main activity of the establishment in accordance with the ammended 1994 Philippine Standard Industrial Classifications (PSIC)

Literal question

Identification of the establishment

Product (PROD)

File: PPS 2015 (2000=100)

Overview

Type: Discrete
Format: character
Width: 20

Valid cases: 0
Invalid: 0

Description

Products/Commodities are the goods normally intended for sale in the market at a price that is designed to cover their cost of production.

Literal question

Product (PROD)

File: PPS 2015 (2000=100)

Product

Brand Name (BName)

File: PPS 2015 (2000=100)

Overview

Type: Discrete

Format: character

Width: 20

Valid cases: 0

Invalid: 0

Description

Brand Name is the name identifying a product including its manufacturer.

Literal question

Brand Name

Specifications (SPECS)

File: PPS 2015 (2000=100)

Overview

Type: Discrete

Format: character

Width: 20

Valid cases: 0

Invalid: 0

Description

Specifications are written statement of an item's required characteristics documented in a manner that facilitates its procurement of production.

Literal question

Specifications

Unit of Measure (UM)

File: PPS 2015 (2000=100)

Overview

Type: Discrete

Format: character

Width: 10

Valid cases: 0

Invalid: 0

Description

Unit of measure is the standard unit or system of units by which a quantity is accounted for and expressed. Examples are: meter, kilogram, grams, metric ton, troy ounce and others.

Literal question

Unit of Measure

Producer Price (PRICE)

File: PPS 2015 (2000=100)

Overview

Type: Continuous

Format: numeric

Width: 10

Decimals: 0

Valid cases: 0

Invalid: 0

Producer Price (PRICE)

File: PPS 2015 (2000=100)

Description

Producer Price is the unit price (ex-plant) of a product or commodity as it leaves the establishment of the producer. It includes any indirect tax paid by the producer less any subsidies on the products received by the producer.

Literal question

Producer Price

Documentation

Questionnaires

2015 Producer Price Survey

| | |
|--------------|---|
| Title | 2015 Producer Price Survey |
| Author(s) | Philippine Statistics Authority (PSA) Sectoral Statistics Office (SSO) Economic Sector Statistics Service (ESSS) Industry Statistics Division (ISD) |
| Date | 2014-12-01 |
| Country | Philippines |
| Language | English |
| Publisher(s) | Philippine Statistics Authority (PSA) Sectoral Statistics Office (SSO) Economic Sector Statistics Service (ESSS) Industry Statistics Division (ISD) |
| Description | 2015 PPS Questionnaire |
| Filename | PPS_2015 Questionnaire.zip |

Reports

Monthly Integrated Survey of Selected Industries 2014 - 2015 (2000=100)

| | |
|-------------------|---|
| Title | Monthly Integrated Survey of Selected Industries 2014 - 2015 (2000=100) |
| Author(s) | Philippine Statistics Authority (PSA) Sectoral Statistics Office (SSO) Economic Sector Statistics Service (ESSS) Industry Statistics Division (ISD) |
| Date | 2016-09-01 |
| Country | Philippines |
| Language | English |
| Publisher(s) | Philippine Statistics Authority (PSA) Sectoral Statistics Office (SSO) Economic Sector Statistics Service (ESSS) Industry Statistics Division (ISD) |
| Description | The Monthly Integrated Survey of Selected Industries (MISSI) 2014 - 2015, is the annual publication of both MISSI and Producer Price Survey (PPS) |
| Table of contents | HIGHLIGHTS TECHNICAL NOTES LIST OF STATISTICAL TABLES LIST OF FIGURES APPENDICES |
| Filename | 2014-2015 MISSI Publication.pdf |

Other materials

2014 - 2015 PPI Table

| | |
|-----------|---|
| Title | 2014 - 2015 PPI Table |
| Author(s) | Philippine Statistics Authority (PSA) Sectoral Statistics Office (SSO) Economic Sector Statistics Service (ESSS) Industry Statistics Division (ISD) |
| Date | 2016-09-01 |
| Country | Philippines |
| Language | English |

Publisher(s) Philippine Statistics Authority (PSA) Sectoral Statistics Office (SSO) Economic Sector Statistics Service (ESSS)
Industry Statistics Division (ISD)

Description Table 5 Producer Price Index, Year on Year and Month on Month growth rates for Manufacturing sector

Filename Table 5 (2014-2015).pdf
