

Philippines - Producer Price Survey for Manufacturing 2015

Philippine Statistics Authority

Report generated on: February 16, 2023

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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 collects 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 round
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.

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Data Collectors

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