

Philippines - Producer Price Survey for Manufacturing 2008

National Statistics Office

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Overview

Identification

ID NUMBER
PHL-NSO-PPI-2008-v1.0

Version

VERSION DESCRIPTION
v 2.1: Edited dataset, for public use

PRODUCTION DATE
2009-10

Overview

ABSTRACT

The National Statistics Office generates various establishment based price indices and one of these is the Producers Price Index.

The 2008 PPI (2000=100) is generated from the results of the Producer Price Survey conducted monthly by the NSO. 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 2008, the survey covered 595 sample products produced by 309 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) in the estimation of Volume of Production Index (VOPI)
- 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 2008 PPI, the weights are taken from the 2005 Annual Survey of Philippine Business and Industry (ASPBI). 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

The unit of analysis for this survey is the establishment. 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.

Scope

NOTES

The 2008 PPS covers manufacturing establishments with average total employment of 20 and over. The following items of

data are gathered from the respondent establishment:

I. Name of product/s

II. Brand Name

III. Product Specification

IV. Unit of Measure

V. Producer price/s of selected products

Coverage

GEOGRAPHIC COVERAGE

The geographic domain is the whole country.

UNIVERSE

Manufacturing establishments with total employment of 20 and over

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
National Statistics Office	

FUNDING

Name	Abbreviation	Role
National Statistics Office	NSO	

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
National Statistical Coordination Board		Review and clearance

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
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Sampling

Sampling Procedure

The 2008 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 ATE of 50 and over
- b. establishment has relatively high concentration ratio
- c. establishment is good respondent in past and current surveys of NSO; that is, it submits prompt reports and provides quality data
- d. preferably, the establishment is a sample of the MISSI.

The 2008 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 2008 MISSI. 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. Publishing and 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 2008 PPS (2000=100) are the following:

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

Imputation methods used for unit and item non-response are as follows:

1. Historical imputation without trend adjustment, or the use of the latest available data of the establishment
2. Imputed values are revised upon receipt of actual data for inclusion in the revised indices

Response Rate

The average monthly response rate is 88.84%, 35 days (preliminary tabulation) after the reference month and 95 % for the final table.

Weighting

The weight is 1 for establishment that falls within the upper 50 percent of total value of production.

Questionnaires

Overview

The PPS undergoes a clearance process by the National Statistical Coordination Board (NSCB). It utilizes a shuttle type questionnaire with NSCB approval number and expiration date. For the 2008 PPS, the NSCB approval number is NSO-0714-01 with expiration date of March 2009.

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
2008-02-15	2008-03-14	January round
2008-03-16	2008-04-14	February round
2008-04-15	2008-05-14	March round
2008-05-15	2008-06-13	April round
2008-06-16	2008-07-15	May round
2008-07-16	2008-08-15	June round
2008-08-15	2008-09-15	July round
2008-09-16	2008-10-15	August round
2008-10-16	2008-11-15	September round
2008-11-16	2008-12-15	October round
2008-12-16	2009-01-15	November round
2009-01-16	2009-02-15	December round

Data Collection Mode

Self Administered Questionnaire and/or Face-to-face interview

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
National Statistics Office	NSO	

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.

.For unit or item non-response, the following are undertaken:

1. Establishments that stopped operation, temporary out of business (TOB), strike, etc., during the year, historical imputation without trend adjustment or the use of the latest available data of the establishment. This method is appropriate for the reason that the prices of a number of products/commodities do not change very much over a short period of time.
2. Imputed values are revised upon receipt of actual data for inclusion in the revised indices.

Other Processing

the 2008 PPS utilizes the simple formulas and macros of microsoft office excel in the compilation of 2008 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