

Philippines - Quarterly Survey of Philippine Business and Industry 2020

Philippine Statistics Authority (PSA),

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Overview

Identification

ID NUMBER
PHL-PSA-QSPBI-2020-v2.0

Version

VERSION DESCRIPTION
Version 2.0 : Final dataset for official estimates

PRODUCTION DATE
2021-03-30

Overview

ABSTRACT

The Quarterly Survey of Philippine Business and Industry (QSPBI) is one of the designated statistical activities of the Philippine Statistics Authority (PSA). It provides quarterly data on employment, compensation, revenue/sales and inventory for national accounts estimation. Relatedly, it aims to capture, collect and generate the data for all the sectors under the 2009 Philippine Standard Industrial Classification (PSIC).

Moreover, value of production, inventories and capacity utilization are also collected for Mining and Quarrying, Manufacturing, Electricity, Gas, Steam and Air Conditioning Supply, Water Supply; Sewerage, Waste Management and Remediation Activities sector.

The survey is one of the main sources of data in the compilation of the Quarterly National Accounts (QNA) and in the construction of the Quarterly Economic Indicators (QEI). The Macroeconomics Accounts Service (MAS), of the PSA, is the main user of the QSPBI data. Also, the quarterly total retail trade (G47) revenue data from the QSPBI will be utilized by the Department of Economic Statistics of the Bangko Sentral ng Pilipinas for monetary policy review.

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 2020 QSPBI gathers information on the following major data items:

1. Employment
2. Compensation
3. Production (Total Value) (for Mining and Quarrying, Manufacturing, Electricity and Water Supply Establishments only)
4. Gross Revenue / Sales
5. Inventory

6. Capacity Utilization (in %) (for Mining and Quarrying, Manufacturing, Electricity and Water Supply Establishments only)

QSPBI Reference Period:

All information collected in the QSPBI pertains to the operation of the establishments within each of the four quarters of year covering the following months:

First Quarter - January, February, March

Second Quarter - April, May, June

Third Quarter - July, August, September

Fourth Quarter - October, November, December

TOPICS

Topic	Vocabulary	URI
Business statistics	Philippine Statistics Authority	
Business and agricultural surveys	Philippine Statistics Authority	
Labour cost	Philippine Statistics Authority	

Coverage

GEOGRAPHIC COVERAGE

National and Regional

UNIVERSE

All establishments with total employment (TE) of 20 and over in the formal sector of the economy except agriculture, forestry and fishing.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
Philippine Statistics Authority (PSA)	National Economic and Development Authority (NEDA)

FUNDING

Name	Abbreviation	Role
Government of the Philippines	GOP	Full funding

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Services Statistics Division	SSD	Philippine Statistics Authority	Documenter

DATE OF METADATA PRODUCTION

2021-03-30

DDI DOCUMENT VERSION

Version 1.0 - First metadata documentation of QSPBI 2020

DDI DOCUMENT ID
DDI-PHL-PSA-QSPBI-2020-v1.0

Sampling

Sampling Procedure

2020 QSPBI Frame:

The QSPBI Frame consists of establishments, with TE of 20 and over, as extracted from the latest available List of Establishments (LE) maintained by the Service and Industry Census Division (SICD) is aligned under Censuses and Technical Coordination Office of the PSA.

Sectoral Coverage:

Sector B (Mining and Quarrying)

- All establishments with Economic Organization (EO) =1, 2 and 3

Sector C (Manufacturing)

- All establishments with Economic Organization (EO) =1, 2 and 3

Sector D (Electricity, Gas, Steam, and Air Conditioning Supply)

- All establishments with Economic Organization (EO) =1, 3 & 4 for Electric Cooperatives (D35100) with LO=6; EO = 1, 2 & 3 for the rest of the section

Sector E (Water Supply; Sewerage, Waste Management and Remediation Activities)

- All establishments with Economic Organization (EO) =1, 2 and 3

Sector F (Construction)

- All establishments with Economic Organization (EO) =1, 3 and 4

Sector G (Wholesale and Retail Trade; Repair of Motor Vehicles and Motorcycles)

- All establishments with Economic Organization (EO) =1, 2 & 3.
Except sari-sari stores (G47113) with no regularly paid employee;

Sector H (Transportation and Storage)

- All establishments with Economic Organization (EO) =1, 3 & 4

Sector I (Accommodation and Food Service Activities)

- All establishments with Economic Organization (EO) =1, 2 and 3

Sector J (Information and Communication)

- All establishments with Economic Organization (EO) =1, 3 and 4 for the following industries:

Wired telecommunications activities (J611)

Wireless telecommunications activities (J612)

Satellite telecommunications activities (J613)

Telephone access in facilities open to the public service activities (J61901)

Other telecommunications service activities, n.e.c. (J61909).

EO = 1, 2 & 3 for the rest of the section

Sector K (Financial and Insurance Activities)

- All establishments with Economic Organization (EO) =1, 3 and 4

Sector L (Real Estate Activities)

- All establishments with Economic Organization (EO) =1, 3 and 4

Sector M (Professional, Scientific and Technical Activities)

- All establishments with Economic Organization (EO) =1, 2 and 3

Sector N (Administrative and Support Service Activities)

- All establishments with Economic Organization (EO) = 1, 3 & 4 for the following industries:
Security and investigation activities (N80)

Travel agency and tour operator activities (N791)
 Other reservation service and related activities (N799)
 - EO = 1, 2 & 3 for the rest of the section

Sector P (Education)
 - All establishments with Economic Organization (EO) =1, 2 and 3

Sector Q (Human Health and Social Work Activities)
 - All establishments with Economic Organization (EO) =1, 2 and 3

Sector R (Arts, Entertainment, and Recreation)
 - All establishments with Economic Organization (EO) =1, 2 and 3

Sector S (Other Service Activities)
 - All establishments with Economic Organization (EO) =1, 2 and 3

QSPBI Sample:

Comprising the QSPBI sample are the set of industry leaders for each key industries in the national level and the sets of industry leaders for each key industries in each of the 17 administrative regions.

On the basis of similarity of activities, number of establishments and the concern on data needs, the industries are grouped by 3 or 5-digit PSIC (sectors/sub-sectors, referred to as the industry strata) usually following the industry groupings in the latest establishment census or survey (CPBI/ASPBI). From these groups of industries, national and regional key industries were selected. The key industries were determined based on its importance measured in terms of the industry's value added (VA) contribution to the sector's total value added at the national and regional level.

Industry leaders (sample establishments) for each key industry in the national level are known as the National Sample. While the sets of industry leaders for each region comprises the Regional Sample. These sample establishments are selected based on the computed revenue concentration ratios which determine the establishments' contribution to the sector's/sub-sector's total revenue. Establishments listed in the List of Establishments (LE) and are classified in the certainty employment size strata are also included in the sample.

The QSPBI sample selection is based on cut-off sampling design. The QSPBI covers sets of industry leaders for each key industry in the national level and in each of the 17 administrative regions.

Industry leaders for the key industries in the national level are known as the National Sample. While the set of industry leaders for each region comprises the Regional Sample. The selection of the national and regional samples are discussed in the following sections.

Number of sample establishments are selected based on the following criteria:

1. Generally, the key industries (3-digit PSIC) for each sector are determined based on their contribution to the sector's total value added. The value added estimates from the result of the latest Annual Survey or Census of Philippine Business and Industry (ASPBI/CPBI) are used as basis in the selection.

After ranking in descending order the value added (VA) concentration ratios of all 3-digit industry groups in each sector within a region and at the national level, all industries accounting for the upper 80% (except manufacturing) and 90% for manufacturing sector of the total value added of the sector are included and tagged as key industry.

All establishments accounting for 80 percent of the total revenue of the selected key industry are included as sample. However, to keep the total sample size manageable, a maximum of 15 sample establishments per key industry is set.

2. Also considering the importance of the sector and to have a good representation because of the relatively smaller number of establishments engaged in the activity, all the 3-digit industry groups under the Mining and Quarrying Sector (PSIC B) are taken as key industries regardless of their value added.

Along the same consideration, the following activities in Manufacturing Sector (PSIC C) are also included as key industries i.e C19200, C19900, C23940 and C30111.

3. The size of establishment which is determined by its total employment is an indicator of industry leadership. In order to capture the contribution of establishments with large employment, certainty employment sizes were set for each sector. All establishments with Total Employment (TE) of 200 and over for sector D, E, F, H, I, J, K, L, M, P, Q, R and S. For sector C, G and N, all establishments with TE of 500 and over.

4. Because of the increasing importance to the country's economy, the following industry groups are also included as key industries: BPO activities, Holding Companies, and on industries engaged in ICT, R&D, creative industries and health and wellness services. These were maintained starting with the 2006 survey round and additional ICT-BPO activities.

Below is the list of industry groups treated as key industries based on NSCB Board Resolution No. 2, series of 2013 reissued/ratified as PSA Board Resolution No. 01, series of 2017 - 187:

2009 PSIC Industry Description

C261 Manufacture of electronic components
 C262 Manufacture of computers and peripheral equipment and accessories
 C263 Manufacture of communication equipment
 C264 Manufacture of consumer electronics
 C268 Manufacture of magnetic and optical media
 G465 Wholesale of machinery, equipment and supplies
 J581 Publishing of books, periodicals and other publishing activities
 J582 Software publishing
 J591 Motion picture, video and television programme activities
 J592 Sound recording and music publishing activities
 J601 Radio broadcasting
 J602 Television programming and broadcasting activities
 J611 Wired telecommunications activities
 J612 Wireless telecommunications activities
 J613 Satellite telecommunications activities
 J619 Other telecommunications activities
 J620 Computer programming, consultancy and related activities
 J631 Data processing, hosting and related activities; web portals
 J639 Other information service activities
 K642 Activities of holding companies
 M701 Activities of head offices
 M702 Management consultancy activities
 M711 Architectural and engineering activities and related technical consultancy
 M712 Technical testing and analysis
 M721 Research and experimental development in natural sciences and engineering
 M722 Research and experimental development in social sciences and humanities
 M723 Research and experimental development in information technology
 M731 Advertising
 M732 Market research and public opinion polling
 M741 Specialized design activities
 M742 Photographic activities
 M749 Other professional, scientific and technical activities, n.e.c.
 N781 Activities of employment placement agencies
 N791 Travel agency and tour operator activities
 N799 Other reservation service and related activities
 N801 Private security activities
 N802 Security systems service activities
 N803 Investigation activities
 N821 Office administrative and support activities
 N822 Call centers and other related activities
 N829 Business support service activities, n.e.c.
 R900 Creative, arts and entertainment activities
 S951 Repair of computers and communications equipment
 S961 Personal services for wellness, except sports activities

Industries classified under Business Process Management

2009 PSIC Industry Description

J58190 Other publishing activities
 J58200 Software Publishing
 J59110 Motion picture, video and television programme activities
 J59120 Motion picture, video and television programme post-production activities
 J62010 Computer programming activities
 J62020 Computer consultancy and computer facilities management activities
 J62090 Other information technology and computer service activities
 J63111 Data processing
 J63112 Website hosting services
 J63113 Application hosting services
 J63120 Web portals
 N78103 On-line employment placement agencies
 N82211 Customer relationship management activities
 N82212 Sales and marketing (including telemarketing) activities
 N82219 Other call centers activities (voice), n.e.c.
 N82221 Finance and accounting activities
 N82222 Human resources and training activities
 N82223 Administrative support activities
 N82224 Document processes activities
 N82225 Payroll maintenance and other transaction processing activities
 N82226 Medical Transcription activities
 N82227 Legal services activities
 N82228 Supply chain management activities
 N82229 Other back office operations activities, n.e.c
 N82291 Engineering outsourcing activities
 N82292 Product development activities
 N82293 Publishing outsourcing activities
 N82294 Research and analysis activities
 N82295 Intellectual property research and documentation activities
 N82296 Security outsourcing activities
 N82299 Other non-voice related activities, n.e.c.

All selected samples from different methods of selection are consolidated for each sector. Establishments are reviewed and correct reporting units are indicated.

However, there are establishments not selected as samples for the survey but are included as requested by the MAS. These may be those establishments with the following characteristics:

- * Total employment less than 20
- * EO is not the scope and coverage for certain sectors

Response Rate

For 1st quarter 2020 QSPBI, 62.1% response rate.

For 2nd quarter 2020 QSPBI, 59.4% response rate.

For 3rd quarter 2020 QSPBI, 59.5% response rate.

For 4th quarter 2020 QSPBI, 58.3% response rate.

Questionnaires

Overview

The QSPBI Form 1 (questionnaire) is a 17" by 11" (spread) and 8.5" by 13" (folded) booklet type form.

The cover page contains the following:

1. Title Panel

This panel is found at the uppermost part of the questionnaire and contains the following:

- PSA Logo
- Form Number
- PSA Approval/Clearance number
- Expiry Date
- Survey Title
- Address Stub Box
- Establishment TIN
- FN-QN Cell

2. PSA Cover Letter

This contains a brief introduction of the survey and the assurance of confidentiality of data collected from the survey.

3. PSA Contact Number

This contains the contact information of the PSA in case of inquiries about the survey.

4. Certification

This contains the information of the respondents to be contacted in case of verification about the data submitted.

5. Description of Establishment's Main Economic Activity

This contains the specify economic activity of the establishment for the year 2020.

The main data items in the QSPBI questionnaire are listed in below.

1. Total employment
2. Total compensation
3. Total value of production
4. Total revenue/sales
5. Total inventory of goods
6. Capacity utilization

Back Page of the questionnaire composed of the following:

1. Remarks
2. General instruction
3. Instruction in accomplishing online questionnaire

Survey Clearance:

The 2020 QSPBI questionnaire has the PSA Approval No. PSA-2006 with expiration on 28 February 2021

Data Collection

Data Collection Dates

Start	End	Cycle
2020-04-06	2020-05-26	1st Quarter 2020
2020-07-06	2020-08-25	2nd Quarter 2020
2020-10-05	2020-11-24	3rd Quarter 2020
2021-01-04	2021-02-22	4th Quarter 2020

Time Periods

Start	End	Cycle
2020-01-01		1st Quarter 2020
2020-04-01		2nd Quarter 2020
2020-07-01		3rd Quarter 2020
2020-10-01		4th Quarter 2020

Data Collection Mode

Other [oth]: self-administered questionnaire, online questionnaire and face-to-face interview.

Data Collection Notes

Distribution of Questionnaires:

Pre-addressed questionnaires were sent by the Services Statistics Division (SSD) to the Provincial Statistics Offices (PSOs) two weeks before the reference quarter's operations. The Provincial Office staff personally delivered these questionnaires to the sample establishments. Upon delivery, the contact person in the establishment should have been informed of the date when the questionnaire would be collected. The establishments were given 10 days within which to accomplish the QSPBI Form 1- questionnaire.

Sample respondents of the Monthly Integrated Survey of Selected Industries (MISSI), which were also QSPBI sample respondents, were no longer given QSPBI questionnaires. Data for such establishments are based on their monthly reports from the MISSI.

To facilitate the reporting and tracking of the status of the sample establishments, the online control list or the Monitoring and Tracking System (MTS) was developed.

Collection of Questionnaires:

All accomplished questionnaires were collected starting the 10th day after the reference quarter. To ensure that the establishment would submit its duly accomplished questionnaire on time, the Provincial staff was tasked to make an appointment with the respondent for the collection of the questionnaire. However, before collection, a telephone call to the respondent was to be made or a reminder notice sent to the establishment to guarantee that the questionnaire would be ready for collection.

Field editing was done before leaving the establishment to avoid revisits.

Online Questionnaire:

Alternative modes of collecting the QSPBI reports are being continually pursued for timeliness and high response rates. In line with this, an online QSPBI questionnaire was designed and made available to the respondents thru a special PSA web address since the 3rd quarter 2006. Establishments are now given options on how they will submit their reports: by accomplishing the physical questionnaire (QSPBI Form 1) given to them by the PSA Provincial staff or by logging-in to the special PSA web address and accomplish the QSPBI online questionnaire. Data gathered from the online questionnaire were uploaded to the QSPBI system for further verification and consistency checking by the subject matter specialists. About two to five percent of the total QSPBI sample are responding via online questionnaire.

The CSPro Data Processing for Field Offices:

The CSPro Data Processing System for Field Offices was introduced in the 1st quarter of 2008 to address the timeliness of QSPBI reports submissions. This program was developed as an alternative option for the PSA Provincial Offices (POs) to be able to submit QSPBI reports to the Central Office (CO) earlier. The CSPro Data Processing System enables the POs to encode their collected QSPBI reports and transmit the datafiles to CO via e-mail. The introduction of the CSPro Data Processing System to the POs minimizes the waiting time consumed in the shipment of QSPBI reports from the provinces. These datafiles were uploaded to the QSPBI system in the CO and ready for validation. All provinces except NCR are already using the program since it was introduced.

Dissemination:

QSPBI results are submitted to the Production Accounts Division under Macroeconomic Accounts Service every 30 days, 60 days and 90 days for first to third quarter and 15 days, 60 days and 90 days for fourth quarter in the form of Posting Sheets by sector/key industry at establishment level. Moreover, special submission which is beyond 90 days after the survey round.

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Data Collectors

Name	Abbreviation	Affiliation
PSA-Provincial Statistics Offices	PSA-PSO	
Services Statistics Division	SSD	PSA
Industry Statistics Division	ISD	PSA
Economic Sector Statistics Service	ESSS	PSA

Supervision

The Regional Directors (RDs) are responsible for the monitoring and supervision of the QSPBI activities in the provinces within their jurisdiction. The Provincial Statistics Officers (PSOs), on the other hand, are responsible for the supervision of the QSPBI activities in their respective provinces during the distribution, collection, manual processing (field-editing) and machine processing phases.

The PSOs and the RDs are provided the access on the online monitoring and control system (MTS) in their respective areas to monitor the status of distribution and the collection of the accomplished QSPBI questionnaires.

To facilitate the reporting and tracking of the status of the sample establishments, the online MTS was developed for use by the field offices and by the Services Statistics Division (SSD).

Data Processing

Data Editing

To determine the completeness, consistency and reasonableness of entries in the accomplished questionnaires, the field office staff field edited and verified the accomplished reports based on specified editing and consistency checks instructions.

Doubtful entries were resolved immediately at the Provincial Office through phone calls or personal visits by defining or clarifying problems regarding the establishments' reports.

Other Processing

Receipt and Control of Questionnaires/Reports:

To facilitate the reporting and tracking of the status of the sample establishments, the online control list or Monitoring and Tracking System (MTS) was developed. All questionnaires/reports submitted and received by the Services Statistics Division (SSD) were controlled using this system.

There are three modes of questionnaire submissions:

1. Physical Questionnaires (QSPBI Form 1) submitted by the provincial offices
2. Datafiles from the questionnaires encoded in the province using the CSPro data processing system
3. Online submissions by the sample establishments through the online questionnaire

Data from the collected questionnaires were encoded using the QSPBI data processing system. The datafiles generated in the provinces were uploaded in the QSPBI-server as well as the data coming from the online system.

Tabulation:

The subject matter division (SMD) is also responsible for the generation of posting sheets (tables) at the national and regional levels

The posting sheets by sector, by region and at the establishment's level were submitted to the PAD-MAS 15, 30, 60 and 90 days after the reference quarter.

In addition, posting sheets for beyond 90 days for first to third quarter were submitted as requested by PAD-MAS as input in their annual assessment report.

Data Appraisal

Estimates of Sampling Error

The current sample selection procedure of the QSPBI is cut-off sampling, hence no sampling error estimates are computed.

Other forms of Data Appraisal

Data Evaluation:

Evaluation of the reports from establishments is done by comparing the growth rates of the variables in the current quarter report with the previous quarter report. That is, the ratio of the two succeeding (consecutive) reports for each of the data items should be within a specified range. These set ranges are based on the observed movements or trends from the historical reports of the establishments within the same industry groups. Reports that deviate from these ranges need to be verified with the establishment/respondent for correction or explanation.