

Philippines - Quarterly Survey of Philippine Business and Industry 2008

National Statistics Office

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Overview

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Overview

ABSTRACT

The QSPBI is a nationwide quarterly survey regularly conducted by the NSO. It aims to provide quarterly data on employment, compensation and revenue/sales for each of the identified leading (key) industry groups (3-digit PSIC code) and selected groups of industries (2/4/5-digit PSIC code) of the amended 1994 Philippine Standard Industrial Classification (PSIC). Data collected from this survey is being utilized by the National Statistical Coordination Board (NSCB) in the generation of the Quarterly National Accounts (QNA) and in constructing the Quarterly Economic Indicators (QEI).

The design of the QSPBI has the following features:

1. It gathers quarterly information on employment, compensation, revenue, value of production, inventories and capacity utilization of establishments engaged in economic activities classified under the amended 1994 Philippine Standard Industrial Classification (PSIC).
2. Consists of key industries in the national and regional level selected based on their contributions to the sector's value added at the said levels.
3. The industry leaders in each key industries in the national and in each 17 administrative regions comprises the national sample and regional sample, respectively. These sample establishments are selected based on the computed concentration ratios which determine the establishments' contribution to the sector's/sub-sector's total revenue.
4. Establishments listed in the List of Establishments (LE) and are classified in the certainty employment size strata are also included in the sample
5. Provides posting sheets by sector/key industry at establishment's level to the National Statistical Coordination Board (NSCB) 45 days, 60 days and 90 days after the reference quarter.

KIND OF DATA
Sample survey data [ssd]

UNITS OF ANALYSIS

The QSPBI has the "establishment" as its unit of analysis, however, the survey results also allow analysis of trends for each identified leading (key) industry groups (3-digit PSIC code) and selected groups of industries (2/4/5-digit PSIC code).

Scope

NOTES

The 2008 QSPBI gathers information on the following major data items:

1. Employment
2. Compensation
3. Production (Total Value) (for Manufacturing sector only)
4. Gross Revenue / Sales
5. Value of Inventory of Goods (for Wholesale and Retail Trade sector only)
6. Capacity Utilization (in %) (for Manufacturing sector only)

QSPBI Reference Period

All information collected in the QSPBI pertains to the operation of the establishments within each of the 4 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/industrial management and organisation [2.2]	CESSDA	http://www.nesstar.org/rdf/common

Coverage

GEOGRAPHIC COVERAGE

National and regional coverage

UNIVERSE

The QSPBI covers all establishments in selected key industry groups.

Producers and Sponsors

PRIMARY INVESTIGATOR(S)

Name	Affiliation
National Statistics Office	National Economic and Development Authority (NEDA)

FUNDING

Name	Abbreviation	Role
National Statistics Office	NSO	Major Funding

OTHER ACKNOWLEDGEMENTS

Name	Affiliation	Role
National Statistical Coordination Board	NEDA	Review of survey design and grant of survey clearance

Metadata Production

METADATA PRODUCED BY

Name	Abbreviation	Affiliation	Role
Nenita P. Rebarter	NPR	National Statistics Office- CO	Documenter
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Sampling

Sampling Procedure

2008 QSPBI Frame:

The 2008 QSPBI Frame consists of establishments, with ATE of 20 and over, as extracted from the latest available List of Establishments (LE) maintained by the Statistical Sampling and Operations Division (SSOD) of the Industry and Trade Statistics Department (ITSD) of the NSO.

The updating of the LE involves (1) capturing and listing of characteristics of "new" establishments; (2) updating of the status and characteristics of "old" establishments; (3) de-listing "closed establishments that should no longer form part of the LE and (4) identifying out-of-scope units on the database.

Sectoral Coverage:

Sector C (Mining and Quarrying)

- All establishments with EO=1, 2 and 3

Sector D (Manufacturing)

- All establishments with EO=1, 2 and 3

Sector E (Electricity, Gas and Water Supply)

- All establishments with EO=1, 2 and 3, except for E401 and E410 with LO=5 where sampling units are EO=1, 3 and 4 (Branches do not strictly meet the criteria for defining an establishment)

Sector F (Construction)

- All establishments with EO=1, 3 and 4 (Branches do not strictly meet the criteria for defining an establishment)

Sector G (Wholesale and Retail Trade; Repair of Motor Vehicles, Motorcycles and Personal and Household Goods)

- All establishments with EO=1, 2 and 3; excluding sari-sari stores with no regularly paid employee; and retail sale via stalls and markets (G52520)

Sector H (Hotels and Restaurants)

- All establishments with EO=1, 2 and 3

Sector I (Transport, Storage and Communication)

- All establishments with EO=1, 2 and 4 (Branches do not strictly meet the criteria for defining an establishment); excluding operators of tricycles, pedicabs (I60930); operators of jeepneys and AUVs (I60920); and gov't postal (I64110) and gov't telegraphic offices; and booking offices of foreign airlines

Sector J (Financial Intermediation)

- All establishments with EO=1, 2 and 3 except for J659, J6701, J6702, J6703, J6814 and J682 where sampling units are EO=1, 3 and 4 (Branches do not strictly meet the criteria for defining an establishment); excluding Central Bank (J651)

Sector K (Real Estate, Renting and Business Activities)

- All establishments with EO=1, 2 and 3 except for K7012, K7013 and K7492 where sampling units are EO=1, 3 and 4 (Branches do not strictly meet the criteria for defining an establishment); excluding those engaged in letting and operating real estate such as residential and non-residential buildings and land rentals

Sector M (Education)

- All establishments with EO=1, 2 and 3; excluding those engaged in public education (M80)

Sector N (Health and Social Work)

- All establishments with EO=1, 2 and 3; excluding those engaged in public medical, dental and other health services (N8511)

Sector O (Hotels and Restaurants)

- All establishments with EO=1, 2 and 3; excluding those activities of membership organizations, n.e.c., i.e. activities of business and employer's organizations (O911), activities of trade unions (O912) and activities of other membership organizations (O919)

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-, 4- 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 industries in the national level are known as the National Sample. While the sets of industry leaders for each regions 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.

Criteria for Selection of Key Industries in the Region

The selection of key industries among the industries in the region was done separately for each of the regions of the country.

The key industries (sectors/sub-sectors, referred to as the industry strata) in each of the regions were determined based on the industry's importance measured in terms of the value added (VA) contribution to the sector's total value added in the region. The key industries were determined by ranking in descending order the sector/sub-sector's value added (VA) concentration ratio in the region computed from the 2005 ASPBI.

To have a good representation of the industry sub-sectors in Mining and Quarrying (PSIC C), all sub-sectors were taken as key industries regardless of their value added. In addition, the following sub-sectors were likewise considered as key industries , due to the need for information on emerging industries, such as BPOs, health and wellness services and columbaria (as recommended by the NSCB).

Amended

1994 PSIC Industry Description

D23100 Manufacture of coke oven products
 D23200 Manufacture of refined petroleum products
 D23300 Manufacture of other fuel products
 D26200 Manufacture of cement
 K70130 Cemetery development and sale (including burial crypt)
 K72100 Hardware Consultancy
 K72210 Software publishing
 K72290 Other software consultancy & supply
 K72300 Data processing

K74996 Call center activities
 K74997 Transcription (medical, legal)
 K74999 Miscellaneous business activities, n.e.c.
 O92112 Animated films and cartoons production
 O9302 Hairdressing and other beauty treatment
 O93092 Sauna and steam bath activities
 O93093 Slendering and body building activities

While, for the rest of the sectors (D, E, F, G, H, I, J, K, M, N and O), the following procedures were applied to determine the key industries in the region:

1. All industries with concentration ratio of 10 percent and above are included until their cumulative total accounts for at least 80 percent of total value added of the region.
2. If cumulative total of the industries' concentration ratio with 10 percent and above is less than 80 percent, all industries with less than 10 percent concentration ratios are included until their cumulative total is at least 80 percent.
3. The industry sector/sub-sectors not selected in criteria (1) and (2) are also included if there are establishments in the 2009 QSPBI Frame classified into the certainty employment size strata in the following sectors:

Employment Size (ATE) Sectors

200 and over E, F, H, J, K, M, N, and O
 500 and over D, G and I

Selection of Samples for the Region

The sample establishments for the QSPBI are selected based on the result of the latest available ASPBI/CPBI.

In each of the selected key industries in the region, the establishments included in the final tabulation of the latest ASPBI/CPBI were ranked according to their reported revenue data. The concentration ratios were computed to determine the establishments' contribution to the sector's/sub-sector's total revenue.

1. All establishments with concentration ratios of 10 percent and above were included as sample.
2. If cumulative total of the establishments' concentration ratio with 10 percent and above is less than 80 percent, all establishments with less than 10 percent concentration ratio are included until their cumulative total is 80 percent or the sub-sector sample size is at most 15 establishments. This is to keep the sample size manageable.
3. All establishments in the Mining and Quarrying sector (PSIC C) and the other identified special industries mentioned above were taken as samples.
4. Establishments in the LE classified in the certainty employment size strata for the identified key industries are also included.

Updating of the Key Industries:

The key industries (sector/sub-sector) are regularly evaluated to capture changes in the economic activities in the country. Ideally, this is to be done depending on the release of the results of the latest ASPBI or CPBI.

Composition of key industries will be changed only if:

- there emerged an industry with 10% or more value added concentration ratio
- the concentration ratio of a key industry decreases by at least 20%
- there emerged an establishment within the certainty employment size

Updating / Replacement of Sample Establishments

Updating of the characteristics of sample establishments including their status is done annually before the start of the year's survey round. Sample establishments were maintained in the sample for the succeeding year provided that they are good respondent, still in operation and within the employment coverage of ATE 20 or more. Establishments that closed operations, cannot be located (CBL), and became out-of-scope for the survey are dropped from the sample. Correspondingly, these will be replaced by establishments which are in operation and with the same industry and employment size code from the frame.

Deviations from Sample Design

None

Response Rate

For the 2008 QSPBI Response Rate by Sector, please see File "Response Rate" under Technical Documents.

Weighting

There is no weighting done.

Questionnaires

Overview

The QSPBI Form 1 (questionnaire) is a 15" by 11" single sheet form.

The front page contains 3 panels:

(1) Heading - containing the NSCB clearance number , establishment's address stub and the survey's cover letter;

(2) Data Panel - containing the items of information to be filled-up by the respondents, and ;

(3) Certification Panel - containing the remarks , contact information of the establishments and the signature of the respondent.

The back page contains the general instructions , definition of terms and the instructions on Web-based questionnaire.

Survey Clearance:

The 2008 QSPBI questionnaire has the National Statistical Coordinating Board (NSCB) Approval No. NSO-0803-01 with expiration on March 31, 2009. (Please see SSRCS Form 1 and SSRCS Form 3 under 2008 QSPBI Clearance Documents)

Supplementary Questionnaire for Wholesale and Retail Trade Establishments

The Supplementary Questionnaire for Wholesale and Retail Trade Establishments was a rider to the 2nd Quarter 2008 QSPBI round given to all Wholesale and Retail Trade (sector G) sample establishments. The questionnaire gathered additional information used as indicators to differentiate a wholesaler from a retailer, thus minimizing misclassification of establishments engaged in these activities.

This activity was undertaken in connection with the study on the computation of Wholesale and Retail Trade Index.

(Please see Supplementary Questionnaire for WRT Establishments under The Wholesale and Retail Trade Index external resource)

Data Collection

Data Collection Dates

Start	End	Cycle
2008-04-10	2008-06-15	First quarter round
2008-07-10	2008-09-15	Second quarter round
2008-10-10	2008-12-15	Third quarter round
2009-01-10	2009-03-15	Fourth quarter round

Data Collection Mode

Other [oth] - Self-Administered; web-based questionnaire; e-mail; and face-to-face interview

Data Collection Notes

Distribution of Questionnaires:

Pre-addressed questionnaires are sent by Industry and Trade Statistics Department (ITSD) to the Provincial Statistics Offices (PSOs) two (2) weeks before the reference quarter's operation. The assigned Provincial Office staff personally deliver these questionnaires to the sample establishments. Upon delivery, the contact person in the establishment should be informed of the date when the questionnaire will be collected. The establishments are given 10 days within which to accomplish the QSPBI Form 1- questionnaire.

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

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

Collection of Questionnaires:

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

Field editing must be done before leaving the establishment to avoid revisits.

Web-Based Questionnaire:

With the concern for timeliness and high response rates for the 45-days, 60-days and 90-days deadline, alternative modes of collecting the QSPBI reports are being continually pursued.

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

The CSPro Data Entry for Field Offices:

The CSPro Data Entry 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 NSO Provincial Offices (POs) to be able to submit QSPBI reports to the Central Office (CO) earlier. The CSPro Data Entry enables the POs to encode their collected QSPBI

reports and transmit the datafiles to CO via e-mail. The introduction of the CSPro Data Entry 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. About 23 provinces are already using the program since it was introduced.

Dissemination:

QSPBI results are submitted to the National Statistical Coordination Board (NSCB) every 45 days, 60 days and 90 days after the reference quarter in the form of Posting Sheets by sector/key industry at establishment level.

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Data Collectors

Name	Abbreviation	Affiliation
Industry and Trade Statistics Department	ITSD	NSO
NSO Provincial Offices	NSO-PO	NSO

Supervision

NSO Central Office:

The Industry and Trade Statistics Department (ITSD) unit primarily responsible for the conduct of the QSPBI is the Statistical Sampling and Operations Division (SSOD). It implements the following activities under the supervision of the ITSD Director.

1. Preparation of the survey design (sampling and questionnaire designs), timetable of operations, manuals, updating of samples, tabulation plans, training and field operation plans, processing plans and budget estimates;
2. Coordination with Regional Directors/Provincial Statistics Officers on field operations and follow-up of survey;
3. Coordination with the Information Resource Department (IRD) on the design, development of computer processing system and tabulation (posting sheets), and development of web-based questionnaire; and
4. Receipt and Control, monitoring and processing of questionnaires and uploaded datafiles.
5. Generation and submission of Posting Sheets to the National Statistical coordination Board (NSCB)

NSO Field Offices:

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

The Provincial Statistics Officers (PSOs) and the Regional Directors (RDs) are provided with the Control List of Samples 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 electronic control list or the ITSD-Monitoring and Tracking System (ITSD-MTS) was developed for use by the field offices and by the ITSD.

Data Processing

Data Editing

Manual Processing:

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

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

All accomplished and field-edited questionnaires should be transmitted immediately to ITSD for processing.

Other Processing

Receipt and Control of Questionnaires/Reports:

To facilitate the reporting and tracking of the status of the sample establishments, the electronic control list or the ITSD-Monitoring and Tracking System (ITSD-MTS) was developed. All questionnaires/reports submitted and received by the SSOD are controlled using this system.

There are 3 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 entry
3. On-line submissions by the sample establishments thru the Web-based questionnaires

Physical questionnaires submitted were encoded using the QSPBI machine processing system while datafiles from provincial CSPro data entry and Web-based submissions were uploaded in the system. After data encoding and uploading, the QSPBI .mdb datafile will undergo machine validation prior to posting sheets generation.

Tabulation:

The SSOD is also responsible for the generation of posting sheets (tables) at the regional levels. Tabulation programs were developed by the Information Resource Department of the NSO Central Office for this purpose.

The posting sheets by sector, by region and at the establishment's level are submitted to the NSCB 45 days, 60 days and 90 days after the reference quarter. In addition, NSCB requested for a special submission of posting sheets every 10 days after the fourth quarter as input in their annual assessment report.

Information on posting sheets (tables) generated for each sector are available under Technical Documents as "Posting Sheets Information".

Data Appraisal

Estimates of Sampling Error

The current sample selection procedure of the QSPBI is not a probability 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.

Field Awards:

The Field Awards is an incentive system for the National Statistics Office (NSO) regional and provincial offices to motivate the field offices to perform quality outputs in mandated activities and to conduct programs to support and promote its mission and vision. It also aims to increase NSO visibility not only among sub-national and local government agencies but also with the private sectors.

The Field Awards centers on efficiency, innovativeness, creativity and productivity of field offices. The Field Awards is dynamic and changes in criteria, weights and documentation requirements depend on the priorities of the office.

Please see the external resource QSPBI Field Awards Criteria.