

Republic of the Philippines
STATISTICAL COORDINATION BOARD

STATISTICAL SURVEY NOTIFICATION FORM

PLEASE READ ATTACHED INSTRUCTIONS BEFORE COMPLETING THIS FORM	
I. GENERAL INFORMATION	
1. Title of the statistical survey 2010 Occupational Wages Survey (OWS)	
2. Legal basis E.O. 126, dated January 30, 1987, reorganizing the DOLE and creating the BLES/E.O. 352 dated July 1, 1996	
3.1 Proponent agency <i>Name</i> Bureau of Labor and Employment Statistics <i>Address</i> 3/F DOLE Bldg. Gen. Luna, Intramuros, Manila	3.2 Conducting agency <i>Name</i> Bureau of Labor and Employment Statistics <i>Address</i> 3/F DOLE Bldg. Gen. Luna, Intramuros, Manila
3.3 Other cooperating agencies DOLE Regional Offices except NCR	3.4 Funding source/s (Specify) a. <input checked="" type="checkbox"/> Govt of the Phils. (GOP) _____ b. <input type="checkbox"/> Local private _____ c. <input type="checkbox"/> Foreign _____
3.5 Consultants <i>Name of organization/person</i> NONE <i>Nature of consultancy service</i> _____ _____ _____	
4. Objectives and relevance of the survey (Cite specific use of the data to be collected, or programs/issues to be addressed.) To generate statistics for wage and salary administration and wage determination in collective bargaining negotiations.	
5.1 Status of survey a. <input checked="" type="checkbox"/> Existing (Proceed to 5.2) b. <input type="checkbox"/> New (Proceed to 5.3)	5.2 Status of survey form/questionnaire a. <input type="checkbox"/> Existing statistical survey form being reported to the NSCB for the first time. What year was this first used? _____ b. <input checked="" type="checkbox"/> Existing form for clearance renewal with revision. c. <input type="checkbox"/> Existing form for clearance renewal without revision. If b or c, give previous clearance no. <u>BLES-0808-01</u>
5.3 Is this survey a rider to another survey? a. <input type="checkbox"/> Yes. (Specify) b. <input checked="" type="checkbox"/> No	5.4 Is this survey a component of a national or international program? a. <input checked="" type="checkbox"/> Yes (Specify) BLES Survey Agenda (2006-2015) b. <input type="checkbox"/> No

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II. TECHNICAL DESCRIPTION			
1. Type and number of respondents			
Type of respondent	Size of universe	Size of sample	Expected response rate
a. <input type="checkbox"/> Individual			
b. <input type="checkbox"/> Household			
c. <input checked="" type="checkbox"/> Establishment	32,028	6,460	85%
d. <input type="checkbox"/> Enterprise			
e. <input type="checkbox"/> Government agency			
f. <input type="checkbox"/> Others (Specify)			
2. Reference period of the survey • July 31, 2010	3. Geographical area covered by the survey, e.g., Phils., Region IV, etc. Philippines	4. Geographic disaggregation of the data to be produced a. <input checked="" type="checkbox"/> National b. <input checked="" type="checkbox"/> Regional c. <input type="checkbox"/> Provincial d. <input type="checkbox"/> Others (Specify)	
5. Frequency of data collection a. <input type="checkbox"/> One-shot b. <input type="checkbox"/> Monthly c. <input type="checkbox"/> Quarterly d. <input type="checkbox"/> Annually e. <input checked="" type="checkbox"/> Others (Specify) <u>every 2 years</u>		6. Method of data collection (Check as many as applicable) a. <input checked="" type="checkbox"/> Personal interview b. <input checked="" type="checkbox"/> Mail c. <input type="checkbox"/> Telephone d. <input type="checkbox"/> Others (Specify) _____	
7. Survey questionnaire titles			
Form No.	Form Title		
	2010 Occupational Wages Survey		
8. Major data items to be collected (e.g., family income and expenditures, employment, compensation, prices) • Occupational wage rates (basic pay and allowances) of time-rate workers on full time basis in selected occupations in selected industries and corresponding employment • Distribution of time-rate workers on full time basis by basic pay and allowance intervals			
9. List of tables and other outputs to be generated <u>National</u> • Average Monthly Wage Rates of Time-Rate Workers on Full Time Basis in Selected Industries and Occupations • Average Monthly Wage Rates of Benchmark Occupations in Non-Agricultural Industries • Median Monthly Basic Pay and Monthly Allowances of Time-Rate Workers on Full-time Basis by Industry • Percent Distribution of Time-Rate Workers on Full-time Basis by Industry and Monthly Basic Pay • Percent Distribution of Time-Rate Workers on Full-time Basis by Industry and Monthly Allowances <u>Regional</u> • Median Monthly Basic Pay and Monthly Allowances of Time-Rate Workers on Full-Time Basis by Region • Percent Distribution of Time-Rate Workers on Full-time Basis by Region and Monthly Basic Pay • Percent Distribution of Time-Rate Workers on Full-time Basis by Region and Monthly Allowances			

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<p>10. Type of data processing (Check as many as applicable)</p> <p>a. <input checked="" type="checkbox"/> Manual</p> <p>b. <input checked="" type="checkbox"/> Microcomputer</p> <p>c. <input type="checkbox"/> Minicomputer</p> <p>d. <input type="checkbox"/> Mainframe computer</p>	<p>11. Statistical classification systems used</p> <p>a. <input type="checkbox"/> Phil. Standard Commodity Classification (PSCC)</p> <p>b. <input checked="" type="checkbox"/> Phil. Standard Geographic Code (PSGC)</p> <p>c. <input checked="" type="checkbox"/> Phil. Standard Industry Classification (PSIC)</p> <p>d. <input checked="" type="checkbox"/> Phil. Standard Occupational Classification (PSOC)</p> <p>e. <input type="checkbox"/> Phil. Standard Classification of Education (PSCED)</p> <p>f. <input type="checkbox"/> Others (Specify)</p>
<p>12. Brief description of the sampling design and estimation procedure. (The details should be attached in separate sheet. If complete information is available in survey proposal, attach copy instead.)</p>	
<p>a) <i>Desired level of reliability and the proposed statistical measure to be used for assessing such reliability (e.g., standard errors of means)</i> 5% margin of error</p>	
<p>b) <i>Type of sampling design (The details should be attached in separate sheet.)</i> Stratified sampling where the strata are the industry and employment size e.g., 20-99, 100-199 and 200 and over</p>	
<p>c) <i>Sampling unit (per stage if applicable)</i> Non-agricultural establishment employing 20 and over</p>	
<p>d) <i>Domain</i> Minor industry group</p>	
<p>e) <i>Sampling frame</i> 2010 BLES Survey Sampling Frame updated from status of respondents in 2008 BLES conducted surveys; and Lists of Establishments from external sources e.g., Job Displacement Reports for 2008 and 2009; and DOLE-NCR (2009).</p>	
<p>f) <i>Sample size (total, per stratum/cluster/stage)</i> 6,460</p>	
<p>g) <i>Method of determining sample size</i> See attached (pages 5-6)</p>	
<p>h) <i>Estimation procedure</i> Estimates are obtained by simple expansion, i.e. multiplying the sample values by the computed weights per stratum (industry group and employment size) which is the ratio of the eligible population of establishments to the number of responding establishments. These estimates are then aggregated to the desired levels to arrive at totals.</p>	
<p>i) <i>Imputation procedure for non-response</i> Non-response is taken into account in the weighing procedure as the raising factor is the ratio of eligible establishment to the number of responding establishment.</p>	
<p>13. Statistical analysis of results (e.g., descriptive, multivariate) Descriptive</p>	

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DIRECT COST OF SURVEY (in pesos)

1. <u>Personal Services</u>	Printing Expenses	154,000
2. <u>Maintenance and Other Operating Expenses</u>	Others (Specify)	6,494,000
Travelling Expenses PHP250,000	Training Expenses	183,000
Supplies 224,000	Wages of Enumerators	6,234,000*
	Communication	77,000
	TOTAL COST	PHP 7,122,000**
	* Covers wages of NCR Enumerators and subsidy to DOLE Regional Offices	
	** Total Cost of OWS and BITS	

IV. TIMETABLE OF ACTIVITIES

Stage	Schedule	Agency Responsible
A. Planning and Preparation		
1. Formulation of survey design (to include formulation of objectives, scope and coverage; development of methodology; formulation of sampling design and frame; design of table formats; preparation of questionnaire and manuals)	Feb - May	BLES
2. Pre-test of the questionnaire	NAP	NAP
3. Revision based on pre-test of the questionnaire	NAP	NAP
4. Submission to NSCB for review of survey design (allow 15 days after submission of all required documents)	March 22, 2010	BLES
5. Finalization of questionnaires and manuals	Questionnaires: NLT April 5 Manuals: NLT April 12	-do-
6. Printing of questionnaires and manuals	NLT May 21	-do-
B. Field Operations		
1. Training of personnel	June	BLES/DOLE ROs
2. Distribution and collection of questionnaires	July - December	-do-
3. Field editing	-do-	-do-
C. Data Processing		
1. Office editing	August-December	BLES
2. Data encoding	October 2010 - March 2011	-do-
3. Verification	October -March 2011	-do-
4. Tabulation	April 6 June 2011	-do-
D. Report Preparation		
1. Analysis and interpretation of data } published in	August - December 2011	-do-
2. Report writing } LABSTAT Updates		
E. Release of Survey Results (statistical tables in the website)	July 2011	-do-
PREPARED BY (Contact Person)		APPROVING OFFICIAL FOR REQUESTING AGENCY
Signature		Signature
Printed Name ROSARIO G. FAJARDO		Printed Name TERESA V. PERALTA
Designation OIC-Chief LEO Tel. No. 527-3000 local 311		Designation Officer-in-Charge
Date Prepared March 19, 2010		Date Approved

(Use additional sheets if necessary)

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II. TECHNICAL DESCRIPTION (cont'd.)

12. Brief description of the sampling design and estimation procedure.
(The details should be attached in separate sheet. If complete information is available in survey proposal, attach copy instead.)

g) *Method of determining sample size*

In designing the survey, the margin of error (e) was fixed at 5%. The level of significance or the probability that the estimated total number of employed persons (y) is within 5% of the population total (Y) was specified as 95%, that is, setting $\alpha = 0.05$. This means that the probability that the estimated total number of employed persons will differ from the true number of employed persons is 5%. The desired precision for this survey can be expressed as follows:

$$P(|y - Y| \leq e) = 1 - \alpha$$

$$P(|y - Y| \leq 0.05) = 1 - 0.05$$

$$P(|y - Y| \leq 0.05) = 0.95$$

To compute for the sample size, n , a targeted coefficient of variation (CV) of 2.5% was used, that is,

$$\begin{aligned}
 n &= \frac{z_{\alpha/2}^2 CV^2}{e^2 + \frac{z_{\alpha/2}^2 CV^2}{N}} = \frac{1.96^2 (2.5)^2}{0.05^2 + \frac{1.96^2 (2.5)^2}{32,028}} \\
 &= \frac{24.01}{0.0025 + \frac{24.01}{32,028}} = 7,388.4731 \\
 n &\approx 7,388
 \end{aligned}$$

Sixty five (65) industry groups were considered as domains; this number is the union of industry groups covered by the Occupational Wages Survey and the BLES Integrated Survey. These surveys have common sample establishments beginning 2006 survey operations because of budgetary constraints and to facilitate delivery of questionnaires and data collection.

To ensure the precision of estimates in each domain, the initial sample size was allocated in each domain using the Kishø allocation formula defined below:

$$n_h = n \left(\frac{\sqrt{\frac{1}{L^2} + I W_h^2}}{\sum_{h=1}^L \sqrt{\frac{1}{L^2} + I W_h^2}} \right)$$

where

n_h - sample size in the industry h

n - initial sample size (7,388)

L - total number of domains

I - set at 0.5 to allow approximately equal allocation for each domain

W_h - population weight which is equal to $\frac{N_h}{N}$



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7,388) to the domains, the sample size in each domain was adjusted to of ineligible samples. These adjusted sample sizes were then allocated to the (100-199 and 200 and over) proportional to the total employment in each size. This was done to utilize the employment distribution because large establishments represents 55.1% of national employment despite that these establishments comprise only 8.9 % of the national establishment population. However, establishments in some industries were sampled with certainty because of their relatively few numbers. Also, a minimum of 10 samples in the cells (industry and employment size) was maintained to accommodate expected non-responses.

Thus, the final sample size is 6,460