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# LABSTAT

*Updates*

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## WAGE RATES OF ENGINEERS AND ENGINEERING TECHNICIANS IN SELECTED MANUFACTURING INDUSTRIES (Last of an 18-Part Series on 2006 OWS)

This issue of the LABSTAT Updates on the results of the 2006 Occupational Wages Survey (OWS) focuses on the wage rates of selected engineers and engineering technicians in 11 and nine industry groups of manufacturing, respectively.

The wage rates of 169 occupations across 45 industry groups were covered in the OWS. These are posted on the BLES website.

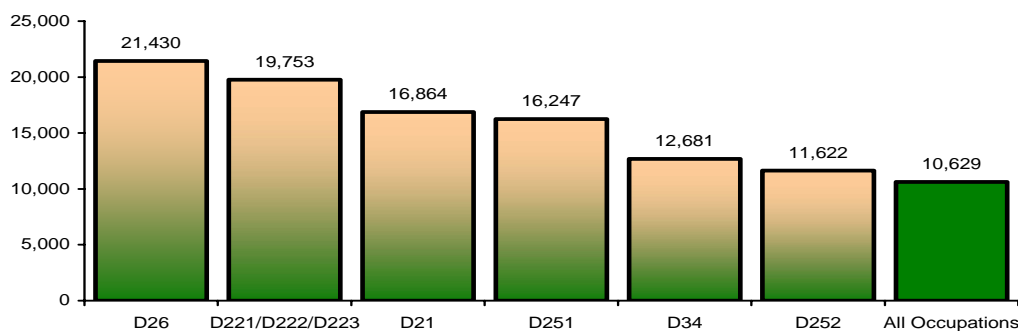
### Chemical engineers and chemical engineering technicians in manufacture of coke, refined petroleum and other petroleum products reported highest average wage rates

Among the five types of engineers (electrical, electronics and telecommunications, mechanical, marine and chemical) monitored in 11 manufacturing sub-industries, chemical engineers in manufacture of coke, refined petroleum and other petroleum products were paid the highest average monthly wage rate at ₱22,133 while marine engineers in building and repairing of ships and boats were the least paid

at ₱11,616.

Mechanical engineers who were employed in six manufacturing sub-industries, received average monthly wages ranging from ₱11,622 (plastic products) to ₱21,430 (other non-metallic mineral products). Their rates were higher than the national average wage rate of all covered occupations by OWS at ₱10,629. (Figure 1)

**FIGURE 1 - Average Monthly Wage Rates of Mechanical Engineers in Selected Manufacturing Industries, Philippines: August 2006 (in pesos)**



**Legend:**

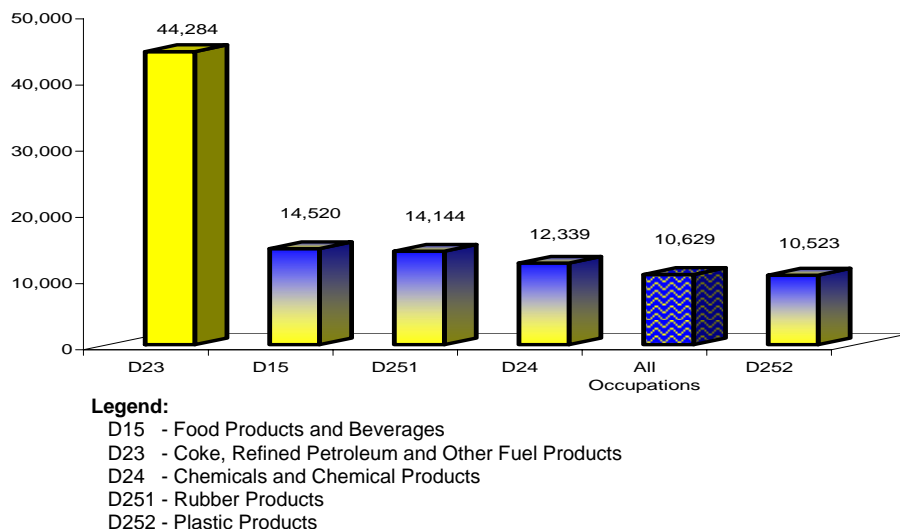
- D21 - Paper and Paper Products
- D221/D222/D223 - Publishing and Printing except Reproduction of Recorded Media
- D251 - Rubber Products
- D252 - Plastic Products
- D26 - Other Non-Metallic Mineral Products
- D34 - Motor Vehicles, Trailers and Semi-Trailers

Source of data: Bureau of Labor and Employment Statistics, Occupational Wages Survey.

As to engineering technicians corresponding to the four engineer occupations (except marine engineers), chemical engineering technicians in manufacture of coke, refined petroleum and other fuel products reported the highest average wage rate at ₱44,284. This

was quite substantially higher over the wage rates of similar workers in other sub-industries which ranged only from ₱10,523 up to ₱14,520. It was also about four times than the national estimated wage rate across all the covered occupations. (Figure 2)

**FIGURE 2 - Average Monthly Wage Rates of Chemical Engineering Technicians in Selected Manufacturing Industries, Philippines: August 2006 (in pesos)**



Source of data: Bureau of Labor and Employment Statistics, Occupational Wages Survey.

Below is the complete list of the monitored engineers and engineering technicians and their corresponding average monthly wage rates (in pesos) in their respective manufacturing sub-industry groups.

<b>Electrical Engineers</b>	
<i>Electrical Machinery and Apparatus, n.e.c.</i>	16,565
<b>Electronics and Telecommunications Engineers</b>	
<i>Radio, Television and Communication Equipment and Apparatus</i>	21,770
<b>Mechanical Engineers</b>	
<i>Paper and Paper Products</i>	16,864
<i>Publishing and Printing except Reproduction of Recorded Media</i>	19,753
<i>Rubber Products</i>	16,247
<i>Plastic Products</i>	11,622
<i>Other Non-Metallic Mineral Products</i>	21,430
<i>Motor Vehicles, Trailers and Semi-Trailers</i>	12,681

<b>Marine Engineers</b>	
<i>Building and Repairing of Ships and Boats</i>	11,616
<b>Chemical Engineers</b>	
<i>Coke, Refined Petroleum and Other Fuel Products</i>	22,133
<i>Chemicals and Chemical Products</i>	15,048
<i>Rubber Products</i>	18,443
<i>Plastic Products</i>	11,722
<b>Electrical Engineering Technicians</b>	
<i>Electrical Machinery and Apparatus, n.e.c.</i>	22,476
<b>Electronics and Telecommunications Engineering Technicians</b>	
<i>Radio, Television and Communication Equipment and Apparatus</i>	12,788
<b>Mechanical Engineering Technicians</b>	
<i>Paper and Paper Products</i>	10,952
<i>Motor Vehicles, Trailers and Semi-Trailers</i>	13,942

**Chemical Engineering Technicians**

<i>Food Products and Beverages</i>	14,520	<i>Chemicals and Chemical Products</i>	12,339
<i>Coke, Refined Petroleum and</i>		<i>Rubber Products</i>	14,144
<i>Other Fuel Products</i>	44,284	<i>Plastic Products</i>	10,523

**Definition of Terms:**

- **Wage rate** refers to the sum of basic pay and regular/guaranteed cash allowances.
- **Basic pay** refers to pay for normal/regular working time before deductions for employees' social security contributions and withholding taxes. It excludes overtime, night shift differential and other premium pay; commissions, tips and share of employees in service charge; and payment in kind.
- **Allowances** refer to regular/guaranteed cash payments. These include cost of living allowance but exclude reimbursements for travel, entertainment, meals and other expenses, etc. incurred in conducting the business of the employer; cost of uniform/working clothes; bonuses and gratuities; family allowances.

**FOR INQUIRIES:**

Regarding this report contact **LABOR STANDARDS STATISTICS DIVISION** at 527-3000 loc 311/527-9325

Regarding other statistics and technical services contact **BLES Databank** at 527-3000 loc 317

Or write to BLES c/o Databank, 3/F DOLE Bldg. Gen. Luna St., Intramuros, Manila 1002

FAX 527-9325

E-mail: bles\_dole@yahoo.com

Website: <http://www.bles.dole.gov.ph>