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MINISTRY OF ECONOMY
DEPARTMENT OF STATISTICS MALAYSIA

REPORT ON SURVEY OF MANUFACTURING INDUSTRIES 2015

PERFORMANCE OF MANUFACTURING SUB-SECTOR

Petroleum, chemical, rubber and plastic products sub-sector was the highest contributor to the gross output of the manufacturing sector in 2014 with a value of RM307.0 billion (30.4%). This was followed by the electrical, electronic and optical products sub-sector which accounted for RM232.2 billion (23.0%). These two sub-sectors contributed 53.4 per cent of total manufacturing output. However, in terms of number of persons engaged, these two sub-sectors recorded 40.8 per cent of employees as against 59.2 per cent by other sub-sectors (Table A).

Meanwhile, beverages and tobacco products sub-sector recorded the lowest gross output with RM9.7 billion (1.0%) and number of persons engaged was 16,266 persons (0.8%).

Petroleum, chemical, rubber and plastic products sub-sector also recorded the highest value of fixed assets of RM74.9 billion (31.2%) followed by the electrical, electronic and optical products sub-sector RM48.2 billion (20.1%) and non-metallic mineral products, basic metal and fabricated metal products sub-sector RM37.9 billion (15.8%). These three sub-sectors also contributed RM37.5 billion (61.5%) to total salaries & wages in manufacturing sector.

Table A : Performance of manufacturing sub-sector, 2014

Sub-sector	Gross output (RM billion)	Intermediate input (RM billion)	Value of fixed assets (RM billion)	Number of persons engaged	Salaries & wages (RM billion)
Vegetable and animal oils & fats and food processing	201.0	172.0	31.5	265,641	6.5
Beverages and tobacco products	9.7	6.8	2.9	16,266	0.6
Textiles, wearing apparel and leather products	14.0	10.0	4.8	114,418	2.0
Wood products, furniture, paper products and printing	60.6	44.1	24.0	350,616	7.9
Petroleum, chemical, rubber and plastic products	307.0	236.1	74.9	347,179	11.3
Non-metallic mineral products, basic metal and fabricated metal products	116.0	90.9	37.9	300,143	8.8
Electrical, electronic and optical products	232.2	171.9	48.2	508,542	17.4
Transport equipment, other manufacturing and repair	70.8	52.8	15.8	193,392	6.5
Total	**1,011.3**	**784.6**	**240.0**	**2,096,197**	**61.0**

GROSS OUTPUT BY MANUFACTURING INDUSTRY GROUP

Manufacture of refined petroleum products, manufacture of vegetable & animal oils and fats as well as manufacture of electronic components and boards were the largest contributors to the gross output in manufacturing sector for 2014. All these three groups accounted for RM388.5 billion (38.4%) to total gross output.

Other major contributors were the manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics & synthetic rubber in primary forms as well as manufacture of rubber products which recorded a gross output of RM62.6 billion (6.2%) and RM36.3 billion (3.6%) respectively as shown in Table B.

Table B : Percentage share of gross output by industry group, 2014

Industry group	Description	Gross output (RM billion)	%
192	Manufacture of refined petroleum products	159.7	15.8
104	Manufacture of vegetable and animal oils & fats	133.5	13.2
261	Manufacture of electronic components and boards	95.3	9.4
201	Manufacture of basic chemicals, fertilizers and nitrogen compounds, plastics & synthetic rubber in primary forms	62.6	6.2
221	Manufacture of rubber products	36.3	3.6
262	Manufacture of computers and peripheral equipment	32.7	3.2
259	Manufacture of other fabricated metal products; metal working service activities	30.7	3.0
264	Manufacture of consumer electronics	29.5	2.9
107	Manufacture of other food products	29.4	2.9
222	Manufacture of plastics products	28.9	2.9
	Other groups *	372.7	36.9
	Total	**1,011.3**	**100**

Note :

* Other groups consist of 60 industry groups

NUMBER OF PERSONS ENGAGED BY CATEGORY OF WORKERS AND SEX

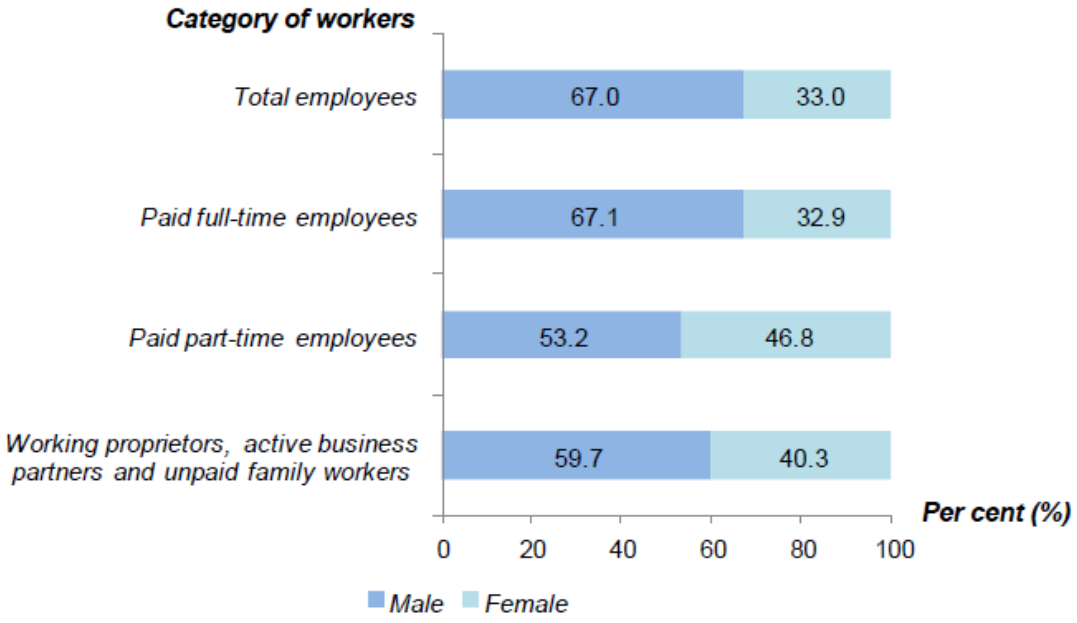
The manufacturing sector employed 2,096,197 persons in 2014. Paid full-time employees accounted for 2,053,765 persons (98.0%) of total number of persons engaged. Meanwhile, paid part-time, working proprietors, active business partners and unpaid family workers were 42,432 persons (2.0%) as depicted in Table C.

Table C : Number of persons engaged by category of workers and sex, 2014

Category of workers	Total	Contribution	Sex	
			Male	Female
Paid full-time employees	2,053,765	98.0	1,379,050	674,715
Paid part-time employees	13,989	0.6	7,449	6,540
Working proprietors, active business partners and unpaid family workers	28,443	1.4	16,979	11,464
Total	2,096,197	100	1,403,478	692,719

Male workers dominated this sector with 1,403,478 persons (67.0%) as compared to female workers with 692,719 persons (33.0 %) as shown in Chart 1.

Chart 1 : Percentage share of persons engaged by category of workers and sex, 2014



SALARIES & WAGES OF PAID FULL-TIME EMPLOYEES BY CATEGORY OF OCCUPATION

The plant & machine operators and assemblers[1] posted the highest salaries & wages paid amounting to RM27.4 billion (45.1%) with number of employees of 1,423,337 (69.3%). Meanwhile, the category of managers, professionals and executives recorded salaries & wages of RM18.5 billion (30.3%) with 187,092 persons employed (9.1%). This category of workers also earned the highest average salaries & wages per annum of RM98,685 followed by technicians and associate professionals of RM44,537 per annum (Table D).

Table D : Salaries & wages for paid full-time employees by category of occupation, 2014

Category of occupation	Paid full-time employees	%	Salaries & wages (RM billion)	%	Average salaries & wages per workers per annum (RM)
Managers, professionals and executives	187,092	9.1	18.5	30.3	98,685
Technicians and associate professionals	212,917	10.4	9.5	15.6	44,537
Clerical and related occupations	132,114	6.4	3.6	5.9	27,219
Plant & machine operators and assemblers	1,423,337	69.3	27.4	45.1	19,271
Elementary occupations	98,305	4.8	1.9	3.1	19,313
Total	**2,053,765**	**100**	**60.9**	**100**	**29,638**

Note :

[1] Directly employed and employed through labour contractors

NUMBER OF PERSONS ENGAGED AND AVERAGE SALARIES & WAGES BY GROUP

Manufacture of refined petroleum products recorded the highest average salaries & wages at RM7,245 with a total of 14,664 paid employees (0.7%). This was followed by installation of industrial machinery and equipment of RM5,266 with the number of paid employees of 1,571 (0.1%).

Manufacture of tobacco products registered the third-highest in terms of average salaries & wages RM4,661 with 2,572 paid employees (0.1%).

Meanwhile, other manufacturing groups which comprises of 60 groups recorded 1,738,937 persons engaged (84.1%) with an average salaries & wages of RM2,254 per month (Table E).

Table E : Number of persons engaged and average salaries & wages by group, 2014

Industry group	Description	Number of persons engaged	Total paid employees	Total salaries & wages (RM million)	Average salaries & wages per month (RM)
192	Manufacture of refined petroleum products	14,664	14,664	1,274.9	7,245
332	Installation of industrial machinery and equipment	1,587	1,571	99.3	5,266
120	Manufacture of tobacco products	2,587	2,572	143.8	4,661
201	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastic and synthetic rubber in primary forms	40,242	40,026	2,106.2	4,385
203	Manufacture of man-made fibres	492	492	24.3	4,122
291	Manufacture of motor vehicles	30,317	30,313	1,294.1	3,558
265	Manufacture of measuring, testing, navigating and control equipment; watches and clocks	19,290	19,287	780.5	3,372
105	Manufacture of dairy products	12,623	12,611	502.7	3,322
301	Building of ships and boats	23,550	23,389	901.8	3,213
261	Manufacture of electronic components and boards	183,900	183,892	6,885.6	3,120
	Other groups *	1,766,945	1,738,937	47,024.7	2,254
	Total	**2,096,197**	**2,067,754**	**61,037.9**	**2,460**

Note:

* Other groups consist of 60 industry groups

Released By:

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