

Earnings and Productivity Statistics in July 2016

I. Abstract

- i. At the end of July 2016, the total nonagricultural payroll employees, at 7,465 thousand,** increased by 36 thousand (or 0.48%) from last month. In comparison with July 2015, payroll employees increased by 53 thousand (or 0.71%). The average payroll employees since January 2016 was 7,428 thousand, increased by 66 thousand (or 0.89%) than the same period of last year.
- ii. The average monthly regular earnings per employee within the industry and service sector in July 2016 was NT\$39,189.** Comparing with last month and a year ago, there were 0.10% increasing and 0.82% increasing respectively. Comparing the same period of January to July over last year, the average monthly regular earnings of NT\$39,118 was increased by 1.36%.
- iii. The average monthly earnings (including regular and irregular earnings) in July 2016 was NT\$46,911,** increased by 4.25% from last month and decreased by 0.11% from last July. The average monthly earnings since January was NT\$51,429, reduced by 0.06% than the same period of last year.
- iv. The average monthly working hour for industry and service sector in July 2016 totaled to 170.0 hours,** which decreased by 2.1 hours from last month and decreased by 17.0 hours from last year. The average working-hour since January 2016 was 167.7 hours, 5.0 hours less than the same period of last year.

II. Statistical Results

i. Employees

At the end of July 2016, total nonagricultural payroll employees, at 7,465 thousand, increased by 36 thousand (or 0.48%) from last month. Among all industries, the service sector shared 56.41%. Comparing to the same month of last year, the payroll employees increased 53 thousand (or 0.71%). The average payroll employees since January 2016 was 7,428 thousand, increased by 66 thousand (or 0.89%) than the same period of last year. The industry sector increased 0.11%, while the service sector increased by 1.50%. Among all industries, the largest increasing in payroll employees was Wholesale and Retail Trade (16 thousand), followed by Accommodation and Food Service Activities (15 thousand) and Human Health Activities (8 thousand).

ii. Turnover Rate

The average accession rate within industry and service sector in July 2016 was 2.88%, increased by 0.66 percentage point from last month and decreased by 0.13 percentage point from last July, while the separation rate of July was 2.38%, increased by 0.24 percentage point from last month and decreased by 0.05 percentage point than last July. Comparing the same period of January to July over last year, the average accession rate was 2.25 percent, down by 0.15 percentage point. Between them, the industrial sector decreased by 0.15 percentage point, while the service sector decreased by 0.15 percentage point. The average separation rate was 2.18%, down by 0.10 percentage point. The industrial sector reduced 0.12 percentage point, while the service sector decreased 0.07 percentage point.

iii. Earnings

The average monthly regular earnings per employee within the industry and service sector in

July 2016 was NT\$39,189. Comparing with last month and a year ago, there was 0.10% increasing and 0.82% increasing respectively. The average monthly earnings (including regular and irregular earnings) in July was NT\$46,911, increased by 4.25% from last month and decreased by 0.11% from last July.

Comparing the same period of January to July over last year, the average monthly regular earnings of NT\$39,118 was increased by 1.36% and reached the highest level in record. The average monthly earnings was NT\$51,429, reduced by 0.06%. Mainly effected by the economic recession during the second half of 2015, the year-end bonuses and performance bonuses were given less in the beginning of this year. After deflating by the consumer price index increasing rate of 1.50%, the average real regular earnings and the average real earnings were 0.13% and 1.53% less than the same period of last year, respectively.

iv. Hours of work

The average monthly working hour for industry and service sector in July 2016 totaled to 170.0 hours, 2.1 hours less than last month and 17.0 hours less than last year. The average working-hour since January 2016 was 167.7 hours, 5.0 hours less than the same period of last year. Included in the average working-hour, the regular working hours reduced by 4.7 hours while the overtime reduced 0.3 hours.

v. Labor Productivity and Unit Output Labor Cost

In July 2016, the manufacturing sector's labor productivity index was 110.53 (2011=100), increased by 1.93% from last month and up by 11.74% from the same month of last year. The manufacturing unit output labor cost index was 105.78 (2011=100), up by 11.17% from last month and down by 3.35% from the same month of last year.

The average labor productivity index since January 2016 was 1.71% more than the same period of last year, while the unit output labor cost index since January 2016 was reported 1.69% increasing.

Table 1 Summary of Earnings and Productivity Statistics in Taiwan Area

Year and month	Employees on payrolls			Industry & services						Manufacturing				CPI (2011=100)
	Industry & Services (thousand person)	Industry (thousand person)	Services (thousand person)	Monthly working hours of each employee (hour)	Accessions (%)	Separations (%)	Monthly earnings of each employee (NT\$)			Employees on payrolls (thousand person)	Monthly earnings of each employee (NT\$)	Index of labor productivity (2011=100)	Index of unit output labor cost (2011=100)	
							Regular earnings (NT\$)	Annual growth rate (%)						
Average 2002	5 650	2 762	2 888	181.4	2.28	2.07	41 530	34 746	0.75	2 319	38 435	64.23	135.84	89.64
Average 2003	5 785	2 808	2 977	181.3	2.39	2.15	42 065	34 804	0.17	2 373	39 549	68.56	130.53	89.39
Average 2004	6 026	2 901	3 125	183.5	2.40	2.08	42 680	35 096	0.84	2 461	40 657	71.83	126.56	90.83
Average 2005	6 201	2 933	3 268	181.9	2.57	2.34	43 159	35 382	0.81	2 479	41 858	74.40	127.30	92.92
Average 2006	6 373	2 979	3 395	180.9	2.67	2.44	43 488	35 724	0.97	2 510	42 393	77.43	124.89	93.48
Average 2007	6 524	3 024	3 501	180.4	2.58	2.38	44 392	36 319	1.67	2 541	43 178	83.03	118.64	95.16
Average 2008	6 632	3 045	3 587	179.7	2.35	2.46	44 367	36 387	0.19	2 557	43 121	82.93	120.42	98.51
Average 2009	6 466	2 873	3 593	176.7	2.25	2.28	42 182	35 629	-2.08	2 395	39 125	83.87	111.31	97.66
Average 2010	6 691	2 990	3 701	181.1	2.83	2.50	44 359	36 214	1.64	2 494	42 300	96.88	98.84	98.60
Average 2011	6 926	3 097	3 829	178.7	2.61	2.38	45 508	36 689	1.31	2 593	43 316	100.00	100.00	100.00
Average 2012	7 049	3 129	3 919	178.4	2.27	2.18	45 589	37 151	1.26	2 619	43 689	99.34	102.25	101.93
Average 2013	7 138	3 152	3 986	177.0	2.34	2.21	45 664	37 527	1.01	2 635	43 829	99.37	102.53	102.74
Average 2014	7 275	3 207	4 068	177.9	2.51	2.35	47 300	38 208	1.81	2 687	45 207	103.46	101.09	103.97
Average 2015	7 385	3 239	4 147	175.3	2.33	2.23	48 490	38 716	1.33	2 717	46 781	102.52	107.38	103.65
July	7 412	3 253	4 159	187.0	3.01	2.43	46 964	38 869	0.89	2 729	49 334	98.92	109.45	103.74
Aug.	7 418	3 250	4 168	178.2	2.61	2.52	44 882	38 775	1.27	2 726	43 858	99.31	102.39	104.39
Sept.	7 409	3 242	4 167	173.5	2.47	2.60	44 759	38 750	0.95	2 719	43 117	100.21	101.70	105.11
Oct.	7 412	3 243	4 169	178.0	2.18	2.13	42 888	38 941	1.20	2 719	40 680	100.94	93.72	105.20
Nov.	7 421	3 243	4 178	176.5	1.99	1.88	42 545	38 834	1.45	2 718	41 146	99.26	97.30	104.47
Dec.	7 427	3 243	4 185	188.1	1.82	1.74	46 736	39 129	1.04	2 717	43 879	96.60	100.15	103.70
2016 Jan. ~ July(P)	7 428	3 239	4 189	167.7	2.25	2.18	51 429	39 118	1.36	2 717	49 538	106.75	115.11	104.53
Jan.	7 431	3 240	4 191	173.8	2.00	1.95	75 321	39 141	1.54	2 717	74 735	101.00	177.44	103.12
Feb.	7 412	3 231	4 181	132.9	1.82	2.08	59 508	38 636	1.28	2 712	56 609	113.41	159.10	105.12
Mar.	7 417	3 235	4 182	186.3	2.52	2.45	43 880	39 208	1.78	2 714	40 798	100.52	90.24	104.47
Apr.	7 418	3 234	4 184	162.3	2.21	2.20	43 560	39 241	1.68	2 712	40 694	109.43	95.18	104.81
May	7 423	3 237	4 186	175.9	2.14	2.07	45 828	39 260	1.61	2 715	43 107	106.33	95.42	104.41
June	7 429	3 239	4 190	172.1	2.22	2.14	44 998	39 151	0.82	2 717	42 883	108.44	95.15	104.78
July(P)	7 465	3 254	4 211	170.0	2.88	2.38	46 911	39 189	0.82	2 730	47 934	110.53	105.78	105.02
The change compared with the last month(%)	0.48	0.46	0.50	(-2.1)	(0.66)	(0.24)	4.25	0.10		0.48	11.78	1.93	11.17	0.23
The change compared with the same month of last year(%)	0.71	0.02	1.26	(-17.0)	(-0.13)	(-0.05)	-0.11	0.82		0.05	-2.84	11.74	-3.35	1.23
The change compared with the same period (Jan. ~ July) of last year(%)	0.89	0.11	1.50	(-5.0)	(-0.15)	(-0.10)	-0.06	1.36		0.10	-0.56	1.71	1.69	1.50

Notes: 1. Numbers in quotation are time-increased, time-decreased or percentage.

2. Monthly earnings of all employees are the total of regular (basic salary, monthly bonus, fixed subsidy and good attendance reward) and irregular (over-time, annual bonus, flexible bonus not paid by month) earnings of employees on payroll, but exclude the non-working reward such as insurance and pension.

3. Both Industry & Services and Services Sectors statistics covered Education Industry (only other education and educational support activities are included) since January 2009.

4. Due to the samples replacement of the Employees' Earnings Survey in July 2016, all figures were preliminary in that month, noted by (P).

Unit of compiled: DGBAS, EXECUTIVE YUAN

Date of compiled: Sept. 22, 2016

Table 2 Non-agricultural payroll employee's January to July accumulated earnings statistics

Year	(A)		(B)		(A)/(C)×100		(B)/(C) ×100		(C)	
	Monthly earnings of each employee (NT\$)	Annual Growth rate (%)	Regular earnings of each employee (NT\$)	Annual Growth rate (%)	Real earnings of each employee, at 2011 price (NT\$)	Annual Growth rate (%)	Real regular earnings of each employee, at 2011 price (NT\$)	Annual Growth rate (%)	CPI (2011=100)	Annual Growth rate (%)
1997	40 498	5.46	30 784	4.48	46 646	3.75	35 457	2.80	86.82	1.64
1998	42 103	3.96	31 830	3.40	47 757	2.38	36 105	1.83	88.16	1.54
1999	42 692	1.40	32 812	3.09	48 376	1.30	37 181	2.98	88.25	0.10
2000	44 175	3.47	33 827	3.09	49 474	2.27	37 884	1.89	89.29	1.18
2001	43 972	-0.46	34 297	1.39	49 114	-0.73	38 308	1.12	89.53	0.27
2002	43 318	-1.49	34 720	1.23	48 373	-1.51	38 772	1.21	89.55	0.02
2003	43 532	0.49	34 708	-0.03	48 748	0.78	38 867	0.25	89.30	-0.28
2004	44 480	2.18	35 012	0.88	49 214	0.96	38 739	-0.33	90.38	1.21
2005	45 305	1.85	35 287	0.79	49 180	-0.07	38 305	-1.12	92.12	1.93
2006	45 726	0.93	35 602	0.89	48 983	-0.40	38 138	-0.44	93.35	1.34
2007	46 503	1.70	36 132	1.49	49 577	1.21	38 520	1.00	93.80	0.48
2008	47 160	1.41	36 572	1.22	48 265	-2.65	37 429	-2.83	97.71	4.17
2009	43 514	-7.73	35 431	-3.12	44 851	-7.07	36 519	-2.43	97.02	-0.71
2010	46 507	6.88	36 091	1.86	47 364	5.60	36 756	0.65	98.19	1.21
2011	47 927	3.05	36 513	1.17	48 119	1.59	36 660	-0.26	99.60	1.44
2012	47 740	-0.39	37 158	1.77	47 174	-1.96	36 717	0.16	101.20	1.61
2013	47 590	-0.31	37 443	0.77	46 502	-1.42	36 587	-0.35	102.34	1.13
2014	49 700	4.43	38 046	1.61	47 945	3.10	36 703	0.32	103.66	1.29
2015	51 460	3.54	38 593	1.44	49 966	4.22	37 473	2.10	102.99	-0.65
2016(P)	51 429	-0.06	39 118	1.36	49 200	-1.53	37 423	-0.13	104.53	1.50

Note: same table 1

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