

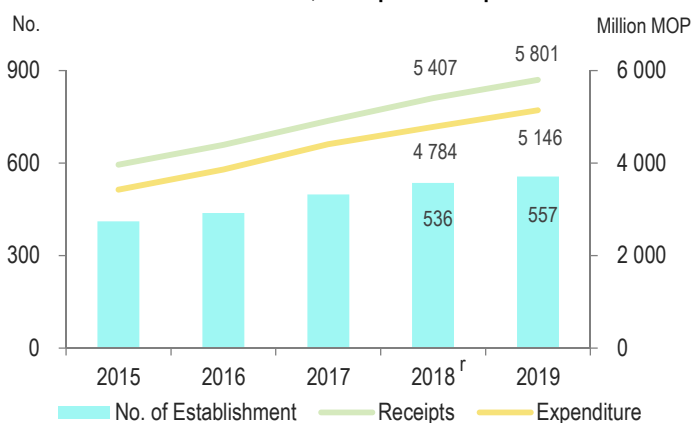
- Numbers of establishments operating in Security, Cleaning, Advertising and Conference & Exhibition Organising Services showed year-on-year increases, whereas number of those in Property Management Services saw a decrease. As regards number of persons engaged, all the surveyed industries registered year-on-year rise, except Cleaning Services that reported a slight drop of 0.8%.
- Receipts and expenditure of the surveyed industries recorded year-on-year growth. In terms of Gross Surplus, aside from Cleaning Services that registered a decline, the other four industries reported a year-on-year increase, with Conference & Exhibition Services showing a substantial rise (+85.0%).
- Regarding Gross Value Added that measures the sectoral contribution to the economy, all the surveyed industries reported year-on-year growth. Meanwhile, all the industries registered an increase in Gross Fixed Capital Formation, except Security and Cleaning Services that recorded a decline of more than 50% on account of a decrease in acquisition of property and other assets.

Property Management, Security and Cleaning Services

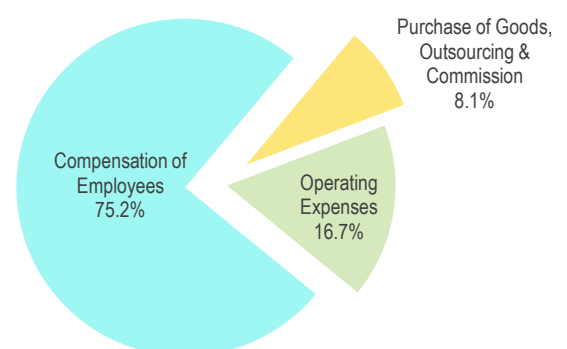
Principal Indicators

	Total		Property Management		Security		Cleaning	
	2019	YoY(%)	2019	YoY(%)	2019	YoY(%)	2019	YoY(%)
Establishments (No.)	557	21	236	-3	60	1	261	23
Persons Engaged (No.)	28 246	5.4	7 482	8.8	11 410	8.8	9 354	-0.8
Receipts (Million MOP)	5 801	7.3	1 960	5.3	2 462	9.4	1 379	6.4
Expenditure	5 146	7.6	1 780	5.4	2 136	7.9	1 230	10.2
Compensation of Employees	3 868	9.8	930	12.7	1 942	9.4	996	8.1
Operating Expenses	860	1.6	607	0.9	104	6.6	150	1.0
Purchase of Goods, Outsourcing & Commission	417	0.5	243	-6.9	90	-16.1	84	80.1
Gross Value Added	4 524	9.1	1 110	11.1	2 269	10.9	1 145	4.0
Gross Fixed Capital Formation	48	-31.7	25	21.4	10	-57.0	13	-50.7
Gross Surplus	655	4.9	180	3.9	327	20.1	149	-17.1
Gross Surplus Ratio (%)	11.3	-0.2 p.p.	9.2	-0.1 p.p.	13.3	1.2 p.p.	10.8	-3.1 p.p.
Gross Surplus-Expenditure Ratio (%)	12.7	-0.3 p.p.	10.1	-0.1 p.p.	15.3	1.6 p.p.	12.1	-4.0 p.p.
Average Value Added per Person Engaged ('000 MOP)	160	3.5	148	2.1	199	1.9	122	4.8

No. of Establishment, Receipts and Expenditure



Structure of Expenditure



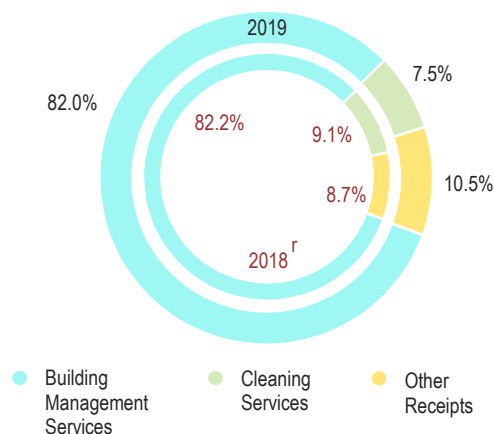
- Establishments providing Property Management, Security and Cleaning Services totalled 557, representing an increase of 21 year-on-year; total number of persons engaged grew by 5.4% to 28,246. Receipts and expenditure of these three industries amounted to MOP 5.80 billion and MOP 5.15 billion respectively, up by 7.3% and 7.6% year-on-year. As these industries were relatively labour-intensive, Compensation of Employees (MOP 3.87 billion) accounted for a significant share of expenditure, at 75.2%.
- Gross Surplus of these industries grew by 4.9% year-on-year to MOP 655 million. As the growth in expenditure was slightly higher than that in receipts, Gross Surplus Ratio (11.3%) and Gross Surplus-Expenditure Ratio (12.7%) edged down by 0.2 percentage points and 0.3 percentage points respectively year-on-year.

Property Management Services

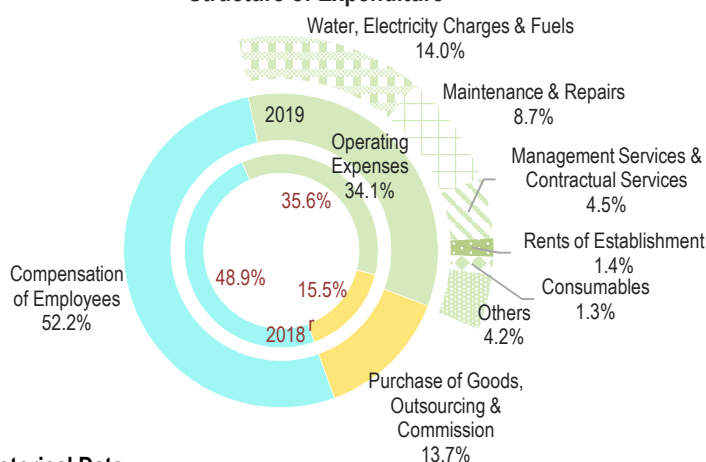
- Number of establishments providing Property Management Services dropped by 3 year-on-year to 236, ascribable to a decreased number of establishments with less than 5 persons engaged. As establishments with 10 or more persons hired more workers in 2019, total number of persons engaged increased by 8.8% year-on-year to 7,482, with property caretakers/doorkeepers comprising 54.9% (4,111) of the total.

Receipts of the industry rose by 5.3% year-on-year to MOP 1.96 billion, of which 82.0% were generated from the provision of building management services (MOP 1.61 billion). Expenditure amounted to MOP 1.78 billion, up by 5.4% year-on-year; Compensation of Employees (MOP 930 million) and Operating Expenses (MOP 607 million) grew by 12.7% and 0.9% respectively, while Purchase of Goods, Outsourcing & Commission dropped by 6.9% to MOP 243 million.

Structure of Receipts



Structure of Expenditure



- Within Operating Expenses, expenditure on water, electricity charges & fuels (MOP 249 million) and management services & contractual services (MOP 80.65 million) increased by 1.6% and 18.6% year-on-year respectively, whereas that on maintenance & repairs (MOP 154 million) and rents of establishment (MOP 24.64 million) decreased by 7.5% and 4.9% respectively.
- Gross Surplus of the industry rose by 3.9% year-on-year to MOP 180 million. Both Gross Surplus Ratio (9.2%) and Gross Surplus-Expenditure Ratio (10.1%) dropped by 0.1 percentage point year-on-year. Gross Value Added increased by 11.1% year-on-year to MOP 1.11 billion and Average Value Added per Person Engaged (MOP 0.15 million) grew by 2.1%.

Gross Fixed Capital Formation of the industry went up by 21.4% year-on-year to MOP 24.91 million, on account of an increase in acquisition of building units.

Historical Data

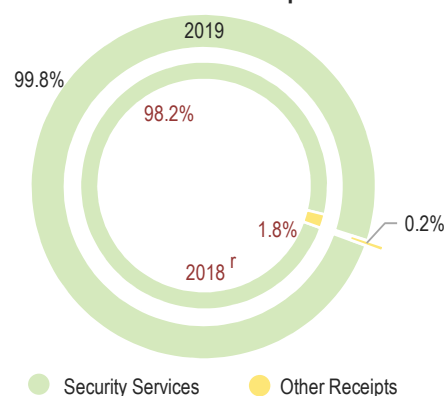
	2014 ^r	2015 ^r	2016 ^r	2017	2018 ^r
Establishments (No.)	224	210	218	231	239
Persons Engaged (No.)	6 097	5 182	5 447	6 794	6 875
Receipts (Million MOP)	1 292	1 319	1 447	1 770	1 861
Expenditure	1 059	1 062	1 200	1 559	1 688
Gross Value Added	786	793	874	1 011	998
Gross Fixed Capital Formation	36	229	20	17	21
Gross Surplus	234	257	247	211	173
Gross Surplus Ratio (%)	18.1	19.5	17.1	11.9	9.3
Gross Surplus-Expenditure Ratio (%)	22.1	24.2	20.6	13.6	10.2

Security Services

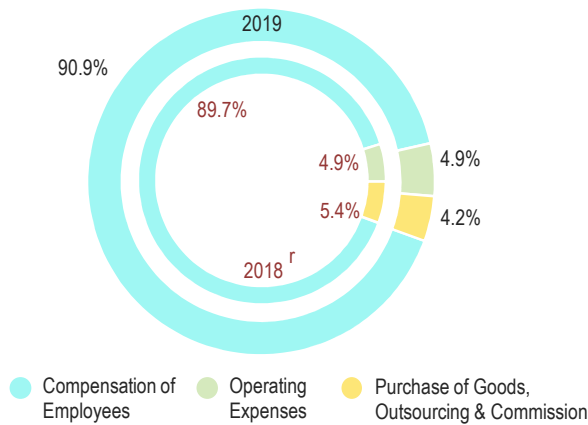
- A total of 60 establishments were operating in Security Services, up by 1 year-on-year. Number of persons engaged increased by 8.8% year-on-year to 11,410, and 83.0% (9,470) of them were security guards.

Receipts of the industry swelled by 9.4% year-on-year to MOP 2.46 billion, of which 99.8% (MOP 2.46 billion) were generated from the provision of security services. Expenditure expanded by 7.9% year-on-year to MOP 2.14 billion; Compensation of Employees grew by 9.4% to MOP 1.94 billion (90.9% of total) and Operating Expenses rose by 6.6% to MOP 104 million; meanwhile, Purchase of Goods, Outsourcing & Commission fell by 16.1% to MOP 89.59 million.

Structure of Receipts



Structure of Expenditure



- Within Operating Expenses, rents of establishment (MOP 19.96 million) and expenditure on management services & contractual services (MOP 19.09 million) rose by 8.1% and 2.1% year-on-year respectively, while expenditure on professional & consulting services (MOP 10.10 million) fell by 14.9%.
- Gross Surplus of the industry totalled MOP 327 million, a growth of 20.1% year-on-year. Gross Surplus Ratio (13.3%) and Gross Surplus-Expenditure Ratio (15.3%) increased by 1.2 percentage points and 1.6 percentage points year-on-year respectively, indicating that the industry was more capable of converting receipts into Gross Surplus as compared to 2018. Gross Value Added went up by 10.9% year-on-year to MOP 2.27 billion, with Average Value Added per Person Engaged rising by 1.9% to MOP 0.20 million.

Meanwhile, Gross Fixed Capital Formation of the industry declined by 57.0% year-on-year to MOP 9.94 million as a consequence of a decrease in acquisition of assets such as offices by some establishments.

Historical Data

	2014	2015	2016	2017	2018 ^r
Establishments (No.)	32	39	45	54	59
Persons Engaged (No.)	6 586	9 038	9 187	9 762	10 485
Receipts (Million MOP)	1 194	1 703	1 886	1 980	2 251
Expenditure	1 089	1 542	1 708	1 800	1 979
Gross Value Added	1 064	1 562	1 723	1 844	2 047
Gross Fixed Capital Formation	10	12	12	7	23
Gross Surplus	105	162	177	180	272
Gross Surplus Ratio (%)	8.8	9.5	9.4	9.1	12.1
Gross Surplus-Expenditure Ratio (%)	9.7	10.5	10.4	10.0	13.7

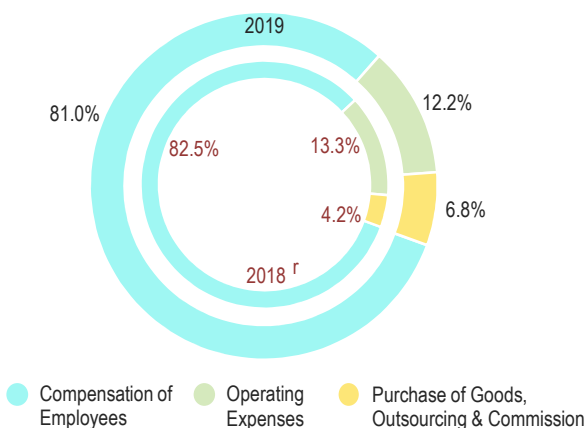
Cleaning Services

- There were 261 establishments engaging in Cleaning Services, representing an increase of 23 year-on-year; however, number of persons engaged inched down by 0.8% to 9,354, and 88.5% (8,280) of them were cleaning workers.

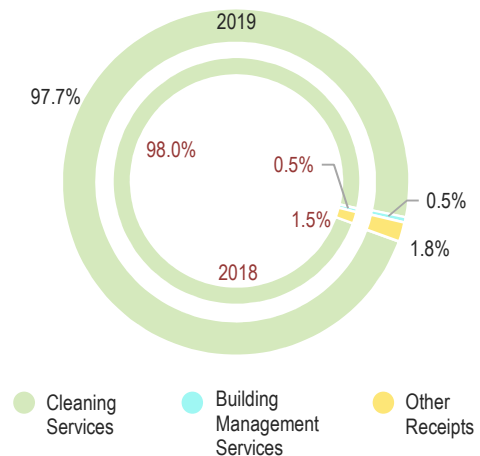
Receipts of the industry increased by 6.4% year-on-year to MOP 1.38 billion, of which MOP 1.35 billion (97.7% of total) came from the provision of cleaning services. Expenditure rose by 10.2% year-on-year to MOP 1.23 billion, with Compensation of Employees (MOP 996 million) and Operating Expenses (MOP 150 million) growing by 8.1% and 1.0% respectively. Moreover, Purchase of Goods, Outsourcing & Commission (MOP 84.13 million) surged by 80.1%.

In terms of Operating Expenses, most of which were incurred on consumables (MOP 49.92 million), an increase of 4.1% year-on-year. Expenditure on management services & contractual services (MOP 31.29 million) and rents of establishment (MOP 16.63 million) showed respective growth of 7.9% and 6.6%, whereas that on water, electricity charges & fuels (MOP 9.35 million) dropped by 5.3%.

Structure of Expenditure



Structure of Receipts



- As the increase in receipts was smaller than that in expenditure, Gross Surplus of the industry fell by 17.1% year-on-year to MOP 149 million. Gross Surplus Ratio (10.8%) and Gross Surplus-Expenditure Ratio (12.1%) dropped by 3.1 percentage points and 4.0 percentage points year-on-year respectively. Gross Value Added grew by 4.0% year-on-year to MOP 1.15 billion; Average Value Added per Person Engaged (MOP 0.12 million) went up by 4.8% attributable to a modest decrease in the number of persons engaged.

Meanwhile, Gross Fixed Capital Formation of the industry declined by 50.7% year-on-year to MOP 13.05 million as a result of a reduction in acquisition of assets such as property.

Historical Data

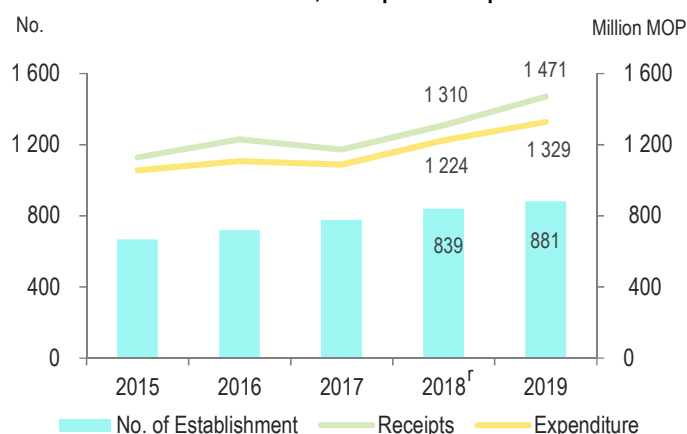
	2014 ^r	2015 ^r	2016 ^r	2017	2018 ^r
Establishments (No.)	138	162	175	213	238
Persons Engaged (No.)	5 581	7 048	8 081	8 798	9 431
Receipts (Million MOP)	661	944	1 063	1 163	1 296
Expenditure	582	821	953	1 053	1 117
Gross Value Added	562	797	894	956	1 101
Gross Fixed Capital Formation	1	15	5	11	26
Gross Surplus	79	123	111	110	180
Gross Surplus Ratio (%)	12.0	13.0	10.4	9.5	13.9
Gross Surplus-Expenditure Ratio (%)	13.6	15.0	11.6	10.4	16.1

Advertising and Conference & Exhibition Organising Services

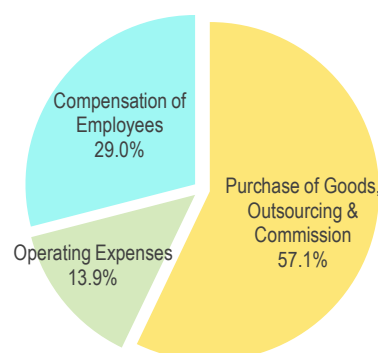
Principal Indicators

	Total		Advertising		Conference & Exhibition Organising	
	2019	YoY (%)	2019	YoY (%)	2019	YoY (%)
Establishments (No.)	881	42	755	29	126	13
Persons Engaged (No.)	2 900	11.2	2 381	11.3	519	11.1
Receipts (Million MOP)	1 471	12.3	895	6.5	575	22.8
Expenditure	1 329	8.6	816	3.5	512	17.8
Compensation of Employees	386	7.0	283	8.0	103	4.1
Operating Expenses	184	-12.3	127	-14.9	57	-5.8
Purchase of Goods, Outsourcing & Commission	759	16.1	406	7.6	353	27.9
Gross Value Added	526	17.4	360	14.3	166	24.9
Gross Fixed Capital Formation	27	34.7	16	11.7	11	96.8
Gross Surplus	140	61.0	77	45.4	63	85.0
Gross Surplus Ratio (%)	9.5	2.9 p.p.	8.6	2.3 p.p.	11.0	3.7 p.p.
Gross Surplus-Expenditure Ratio (%)	10.5	3.4 p.p.	9.4	2.7 p.p.	12.3	4.5 p.p.
Average Value Added per Person Engaged ('000 MOP)	181	5.6	151	2.7	319	12.4

No. of Establishment, Receipts and Expenditure



Structure of Expenditure



- A total of 881 establishments were engaged in Advertising Services and Conference & Exhibition Organising Services, an increase of 42 year-on-year; number of persons engaged in these two industries rose by 11.2% to 2,900. Their receipts amounted to MOP 1.47 billion, up by 12.3% year-on-year. Expenditure grew by 8.6% year-on-year to MOP 1.33 billion, with Purchase of Goods, Outsourcing & Commission growing by 16.1% to MOP 759 million (57.1% of total).

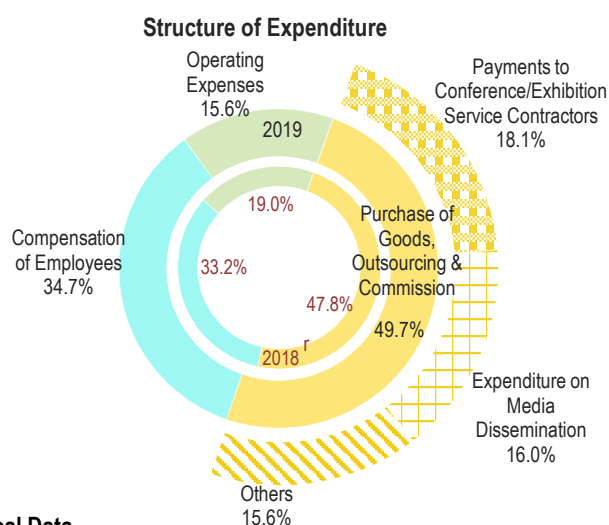
- The two industries yielded a Gross Surplus of MOP 140 million, an upsurge of 61.0% year-on-year. Gross Surplus Ratio (9.5%) and Gross Surplus-Expenditure Ratio (10.5%) rose by 2.9 percentage points and 3.4 percentage points year-on-year respectively, implying an improvement in the capability of the two industries to convert receipts into Gross Surplus as compared to 2018.

Advertising Services

- Establishments operating in Advertising Services increased by 29 year-on-year to 755; number of persons engaged rose by 11.3% to 2,381, and 1,646 (69.1%) of them were employees.

Receipts of the industry grew by 6.5% year-on-year to MOP 895 million. As some advertising establishments also provided services for conferences and exhibitions, receipts from the provision of such services (MOP 280 million) recorded a 25.6% growth. Meanwhile, receipts from the provision of advertising services (MOP 591 million) edged down by 0.6%.

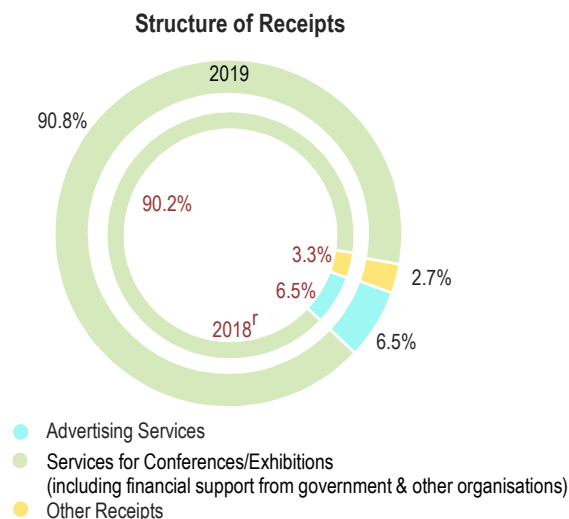
Expenditure of this industry amounted to MOP 816 million, a year-on-year growth of 3.5%. Purchase of Goods, Outsourcing & Commission (MOP 406 million) and Compensation of Employees (MOP 283 million) grew by 7.6% and 8.0% year-on-year respectively, while Operating Expenses (MOP 127 million) went down by 14.9%.



Historical Data

	2014	2015	2016	2017	2018 ^r
Establishments (No.)	521	601	639	678	726
Persons Engaged (No.)	1 891	2 182	2 144	1 871	2 140
Receipts (Million MOP)	853	917	785	868	841
Expenditure	791	804	744	813	789
Gross Value Added	278	335	277	300	315
Gross Fixed Capital Formation	75	60	17	27	14
Gross Surplus	59	110	38	54	53
Gross Surplus Ratio (%)	6.9	12.0	4.9	6.3	6.3
Gross Surplus-Expenditure Ratio (%)	7.5	13.7	5.1	6.7	6.7

Conference & Exhibition Organising Services

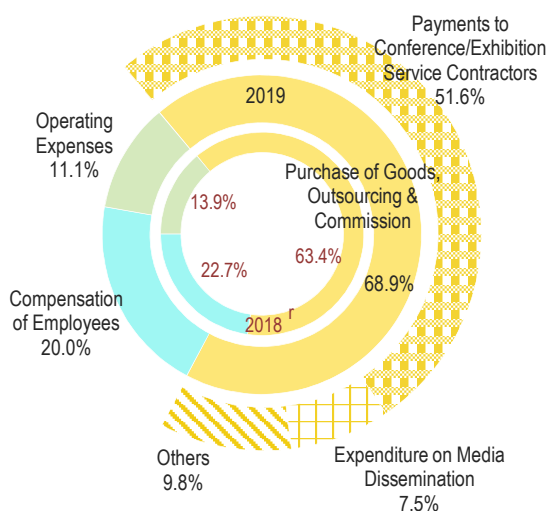


- There were 126 establishments providing Conference & Exhibition Organising Services in 2019, a rise of 13 year-on-year; number of persons engaged grew by 11.1% to 519, with 409 employees (78.8% of total).

Receipts of the industry expanded by 22.8% year-on-year to MOP 575 million, with those generated from services for conferences & exhibitions (MOP 522 million) and advertising services (MOP 37.32 million) rising by 23.5% and 22.6% respectively.

Expenditure of the industry rose by 17.8% year-on-year to MOP 512 million, of which Purchase of Goods, Outsourcing & Commission increased by 27.9% to MOP 353 million (68.9% of total). Compensation of Employees grew by 4.1% to MOP 103 million while Operating Expenses fell by 5.8% to MOP 56.78 million.

Structure of Expenditure



- Within Operating Expenses, rents of establishment (MOP 11.50 million) dropped by 23.4% year-on-year while expenditure on management services & contractual services (MOP 11.17 million) rose by 8.6%.

- As the growth in receipts surpassed that in expenditure, Gross Surplus soared by 85.0% year-on-year to MOP 63.02 million. Gross Surplus Ratio (11.0%) and Gross Surplus-Expenditure Ratio (12.3%) went up by 3.7 percentage points and 4.5 percentage points respectively. Gross Value Added amounted to MOP 166 million, a growth of 24.9% year-on-year; in addition, Average Value Added per Person Engaged (MOP 0.32 million) rose by 12.4%.

Attributable to a substantial increase in the purchase of machinery and equipment, Gross Fixed Capital Formation of the industry leapt by 96.8% year-on-year to MOP 10.51 million.

Historical Data

	2014	2015	2016	2017	2018 ^r
Establishments (No.)	61	67	80	98	113
Persons Engaged (No.)	274	373	344	426	467
Receipts (Million MOP)	275	314	388	367	469
Expenditure	264	304	344	352	435
Gross Value Added	54	70	103	92	133
Gross Fixed Capital Formation	7	2	2	5	5
Gross Surplus	11	10	44	15	34
Gross Surplus Ratio (%)	4.1	3.2	11.2	4.1	7.3
Gross Surplus-Expenditure Ratio (%)	4.3	3.3	12.7	4.2	7.8

Scope and Coverage

The statistical unit of this survey is an establishment. If an enterprise has more than one establishment engaging in the same economic activity, these establishments will be grouped together as one statistical unit.

Coverage of the Service Sector Survey comprises establishments operating in Property Management Services, Security Services, Cleaning Services, Advertising, and Conference & Exhibition Organising Services in the reference year. These industries are classified according to the Classification of Economic Activities of Macao – Revision 1 (CAM-Rev. 1). The list of establishments is originated from the Statistics and Census Service and supplemented with information from the Financial Services Bureau.

Sampling Scheme and Inference of Results

Full enumeration is carried out in establishments operating in Property Management Services, Security Services, Cleaning Services, and Conference & Exhibition Organising Services, while a sample survey is conducted in Advertising Services where the extrapolation of statistical results is as follows:

Estimated value of variable Y of a stratum:

$$\hat{Y}_h = \sum_{i=1}^{n_h} w_h \times y_{hi}$$

Estimated total variance of variable Y of a stratum:

$$\hat{V}(\hat{Y}_h) = (1 - f_h) \times w_h^2 \times n_h \times s_h^2$$

Of which:

h = a stratum

$$w_h = \frac{N_h}{n_h}$$

i = an establishment

N_h = total number of establishments of a stratum

n_h = number of samples of a stratum

s_h^2 = standard deviation of a stratum

f_h = sampling fraction of a stratum

y_{hi} = Variable y of establishment i in stratum h

Standard Error of Principal Indicators of Advertising Services:

Million MOP

Persons Engaged (No.)	Receipts	Compensation of Employees	Operating Expenses	Purchase of Goods, Outsourcing & Commission	Changes in Inventories	Gross Value Added	Gross Fixed Capital Formation
117	46	25	10	25	1	29	1

Glossary

Establishment: An economic unit which engages in one or predominantly one kind of economic activity at a single location.

Persons Engaged: All individuals who work for the establishment as at the last working day of the reference year, including employees and unpaid workers; however, those who are absent on that day and are absent for an indefinite period are excluded.

Receipts: Operating receipts from the provision of services before any deduction of costs, which include receipts from Property Management Services; Cleaning Services; Security Services; Rental of Property; Advertising Design and Production; Conference & Exhibition Organising Services, etc., and commission received. However, Non-operating Receipts such as interest received and insurance claims are excluded.

Expenditure: Includes Compensation of Employees, Purchase of Goods, Outsourcing & Commission and Operating Expenses; however, Non-operating Expenses such as depreciation and interest paid are excluded.

Operating Expenses: Include consumables, water & electricity charges and fuels, maintenance and repairs, rents of establishment, premiums for non-labour insurance, market research and publicity, professional and consulting services, management services and contractual services (including security, cleaning and pest control services, etc.), and other operating expenses.

Purchase of Goods, Outsourcing & Commission: Include the value of purchase of goods for resale and the costs incurred in outsourcing work or services to a third party (including purchase of Property Management, Cleaning and Security Services). Commission refers to service payments made to agents or intermediaries.

Gross Value Added: Equals receipts, plus Changes in Inventories, minus Purchase of Goods, Outsourcing & Commission and Operating Expenses.

Gross Fixed Capital Formation: Equals the value of total acquisitions of fixed assets, less the proceeds from sales of fixed assets. Fixed assets include buildings; machinery, vehicles & other equipment; computer software; and other durable goods with a lifespan of one year or more. Also included are major repairs, alterations and extensions made to the existing fixed assets.

Gross Surplus: Equals receipts, plus Changes in Inventories, minus expenditure.

Gross Surplus Ratio: Gross Surplus divided by receipts and multiplied by 100%. The higher the ratio, the more effective a sector is at converting receipts into Gross Surplus.

Gross Surplus-Expenditure Ratio: Gross Surplus divided by expenditure and multiplied by 100%. The higher the ratio, the more cost-effective an establishment is.

Average Value Added per Person Engaged: Gross Value Added divided by number of persons engaged. An indicator that measures the sectoral contribution of each person engaged to the economy.

Symbols and Abbreviations

r	Revised Figures	p.p.	Percentage point	%	Percentage
MOP	Macao Pataca	'000	Thousand	YoY	Year-on-year change



For additional information:
<http://www.dsec.gov.mo/e/ser.aspx>