



Industry Focus and Indicator Update

แนวโน้มอุตสาหกรรมไทยหลัก 33 อุตสาหกรรม จัดทำโดยทีมวิจัยธุรกิจ ธนาคาร แลนด์ แอนด์ เฮ้าส์ จำกัด (มหาชน)

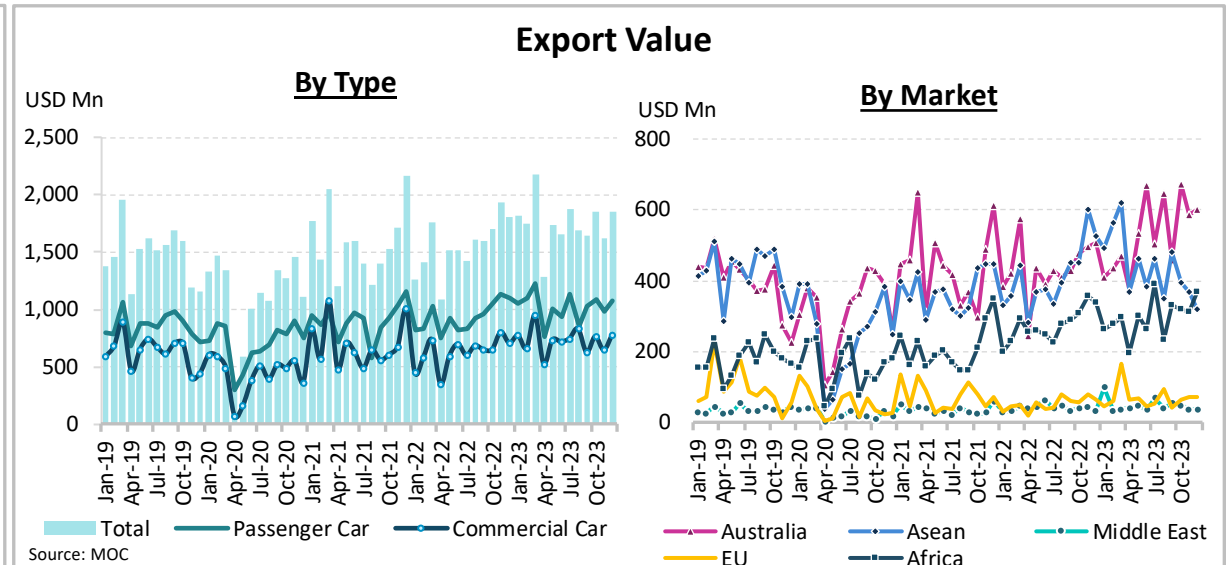
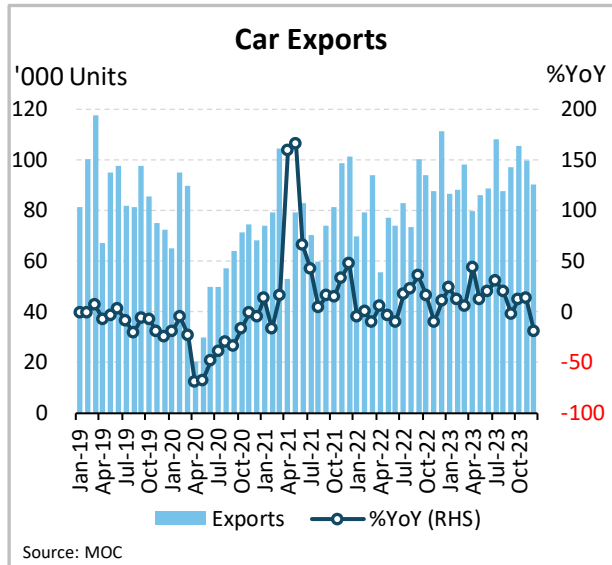
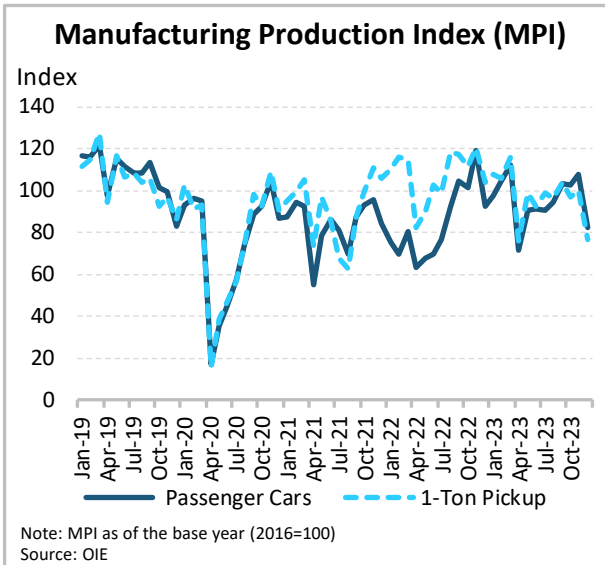
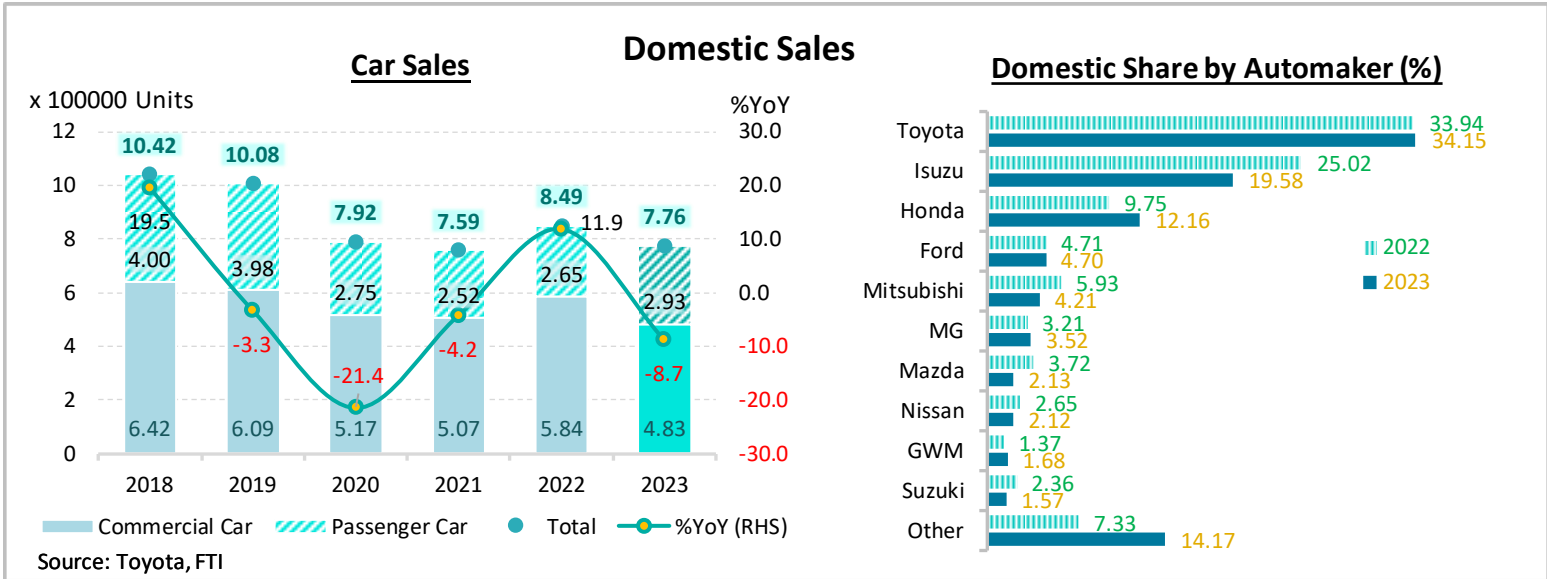
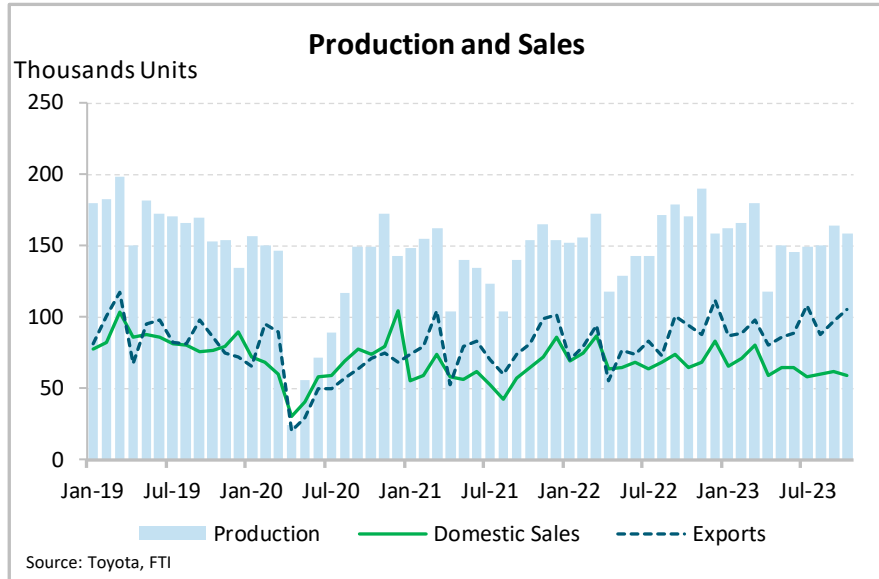
1. Automobile 2. Auto Parts 3. Electrical Appliances 4. HDD 5. Integrated Circuits 6. Frozen & Processed Chicken 7. Frozen Seafood 8. Cassava Products 9. Palm Oil 10. Rice 11. Rubber 12. Sugar 13. Cement 14. Construction Contractor 15. Condominium in BMR 16. Low-rise Housing in BMR 17. Office Building in BMR 18. Retail Space in BMR 19. Industrial Estate 20. Credit Card 21. Auto Hire-Purchase 22. Personal Loan 23. Hot & Cold Rolled Steel Sheet 24. Long Product Steel 25. Private Hospitals 26. Tourist Accommodation 27. Modern Trade 28. Motorcycle 29. Petrochemicals 30. Power Generation 31. Refinery 32. Oil Service Station 33. Banking



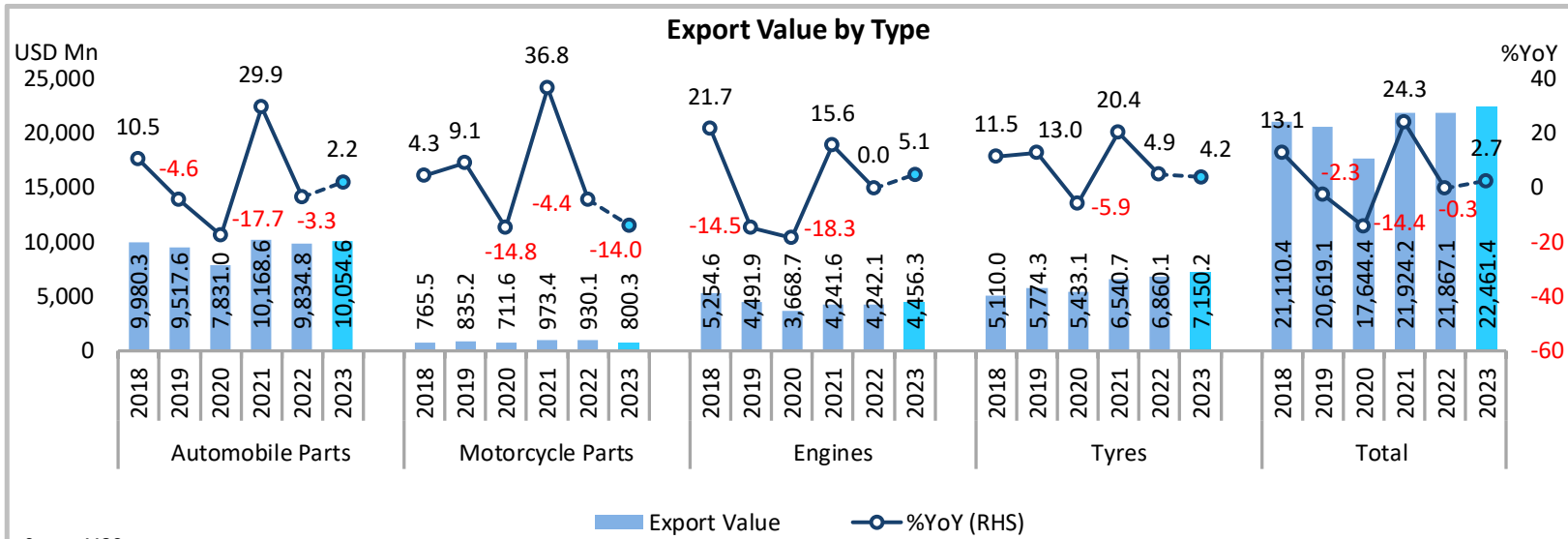
March 2024

ผู้วิเคราะห์: BR Team
Business Research

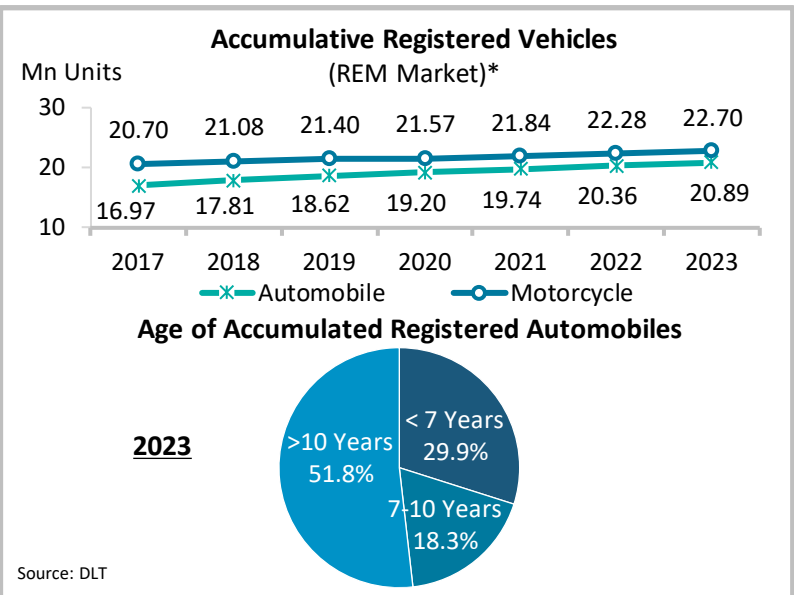
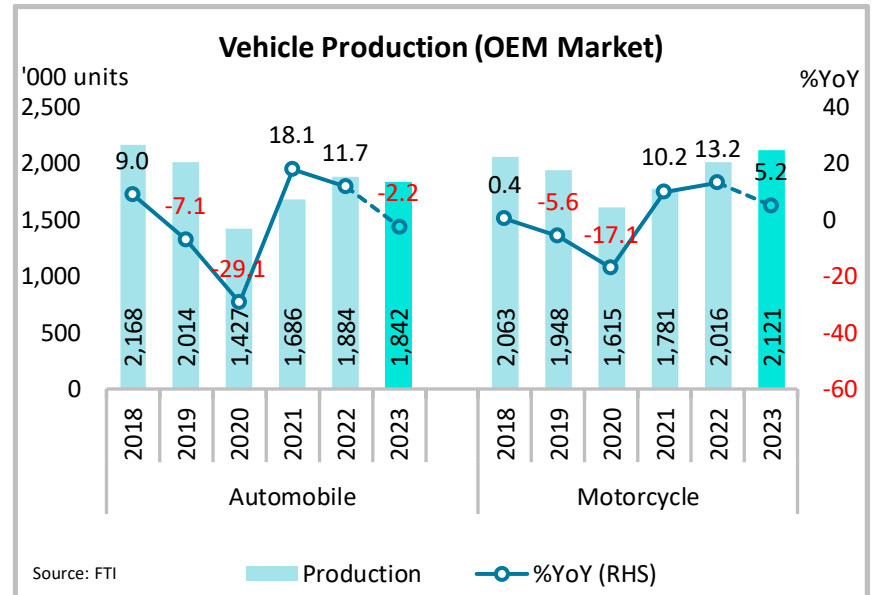
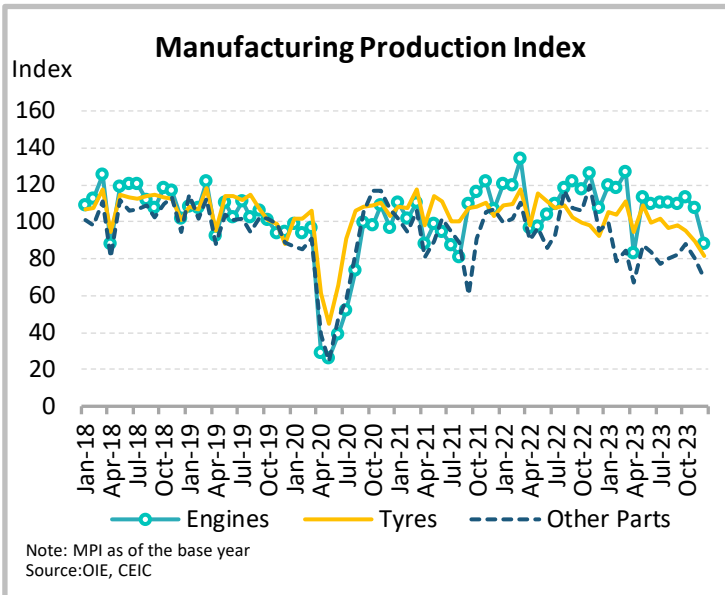
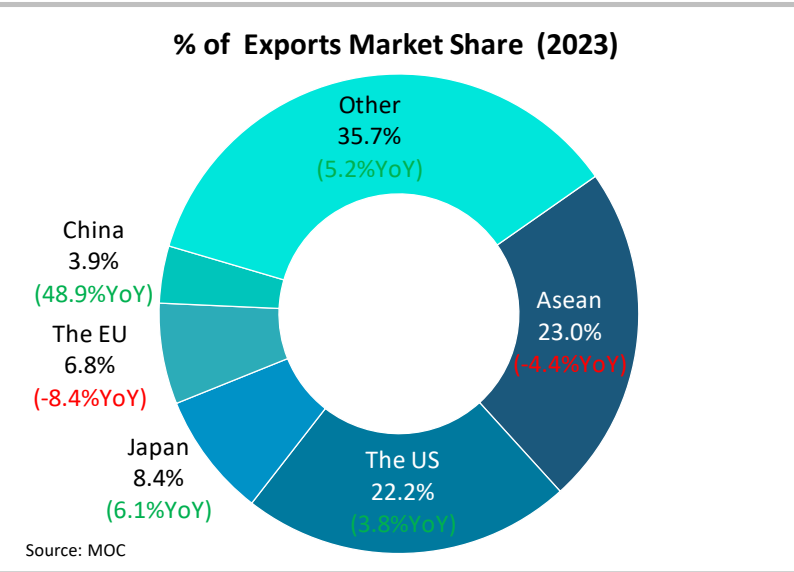
1. Automobile (รถยนต์)



2. Auto Parts (ชิ้นส่วนยานยนต์)

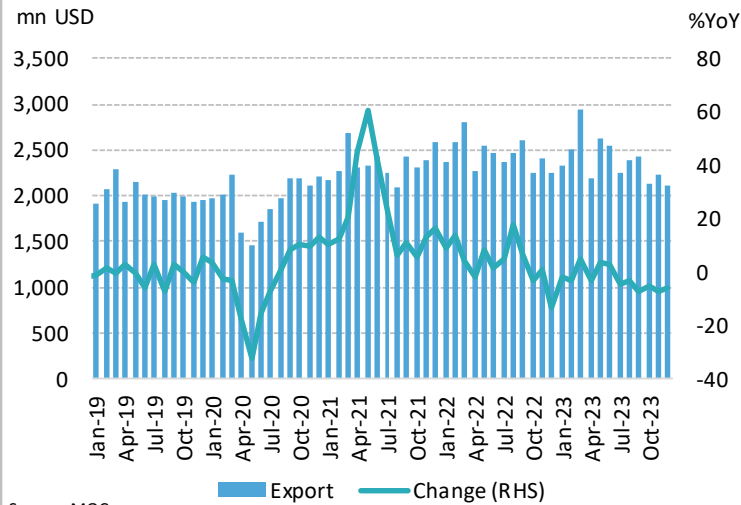


Source: MOC



3. Electrical Appliances (เครื่องใช้ไฟฟ้า)

Electrical Appliance Export Value



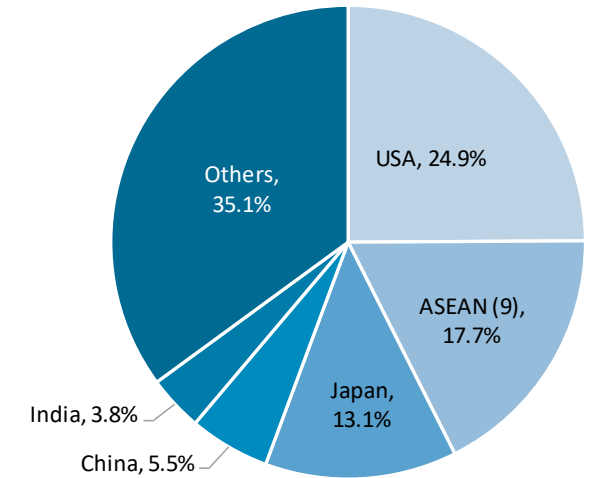
Electrical Appliance Export

Electrical Appliance Export by Product

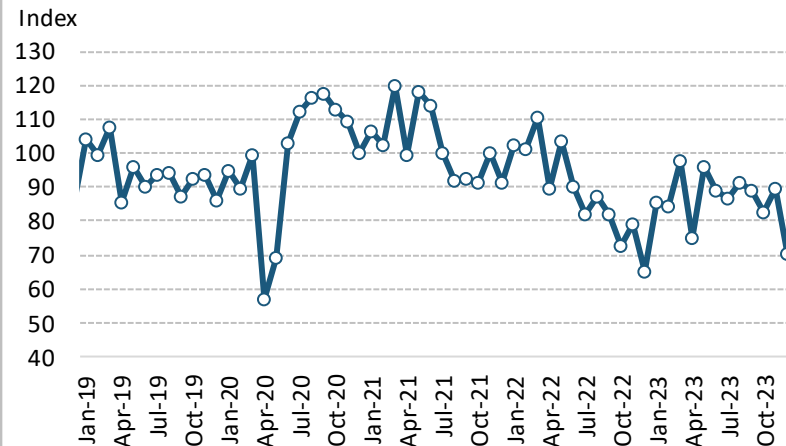
Unit: USD mn

	2019	2020	2021	2022	2023	%YoY	Share (%)
Air conditioner	5,496	5,253	6,486	7,044	6,506	-7.6	22.7
Television receiver	3,041	2,412	2,862	2,795	3,058	9.4	10.7
Refrigerator	1,977	2,098	2,393	2,222	2,070	-6.9	7.2
Washing machine	1,286	1,226	1,343	1,190	1,286	8.0	4.5
Microwave Oven	765	950	1,239	1,402	1,095	-21.9	3.8
Compressor	827	698	903	919	762	-17.0	2.7
Video recording	450	349	602	508	419	-17.5	1.5
Others	10,381	10,521	12,444	13,291	13,471	1.4	47.0
Total	24,224	23,506	28,273	29,371	28,667	-2.4	100.0

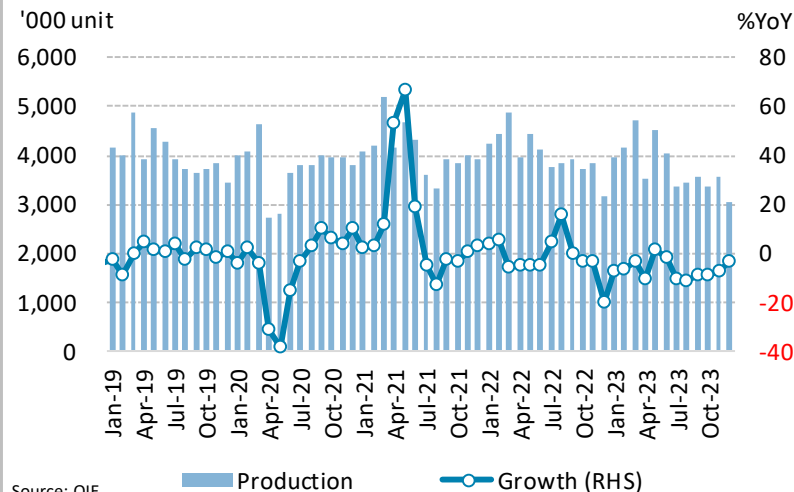
Export Market Share (2023)



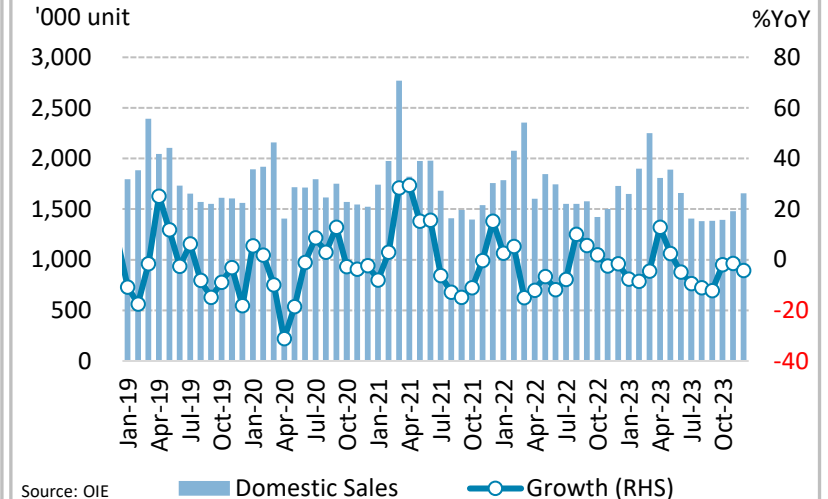
Manufacturing Production Index (MPI)



Electrical Appliance Production

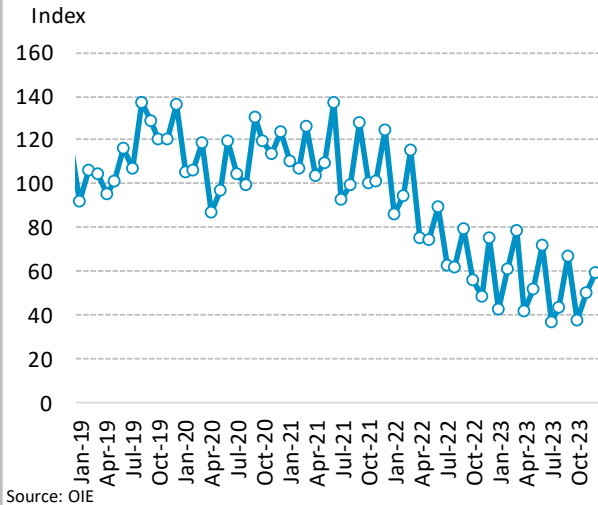


Domestic Electrical Appliance Sales



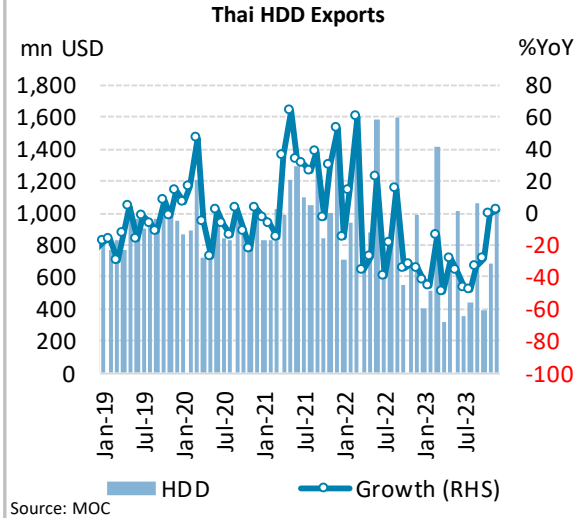
4. Hard Disk Drive : HDD (ฮาร์ดดิสก์ไดรฟ์)

MPI of Thai HDD



Thai HDD and Computer Components export

unit: USD mn



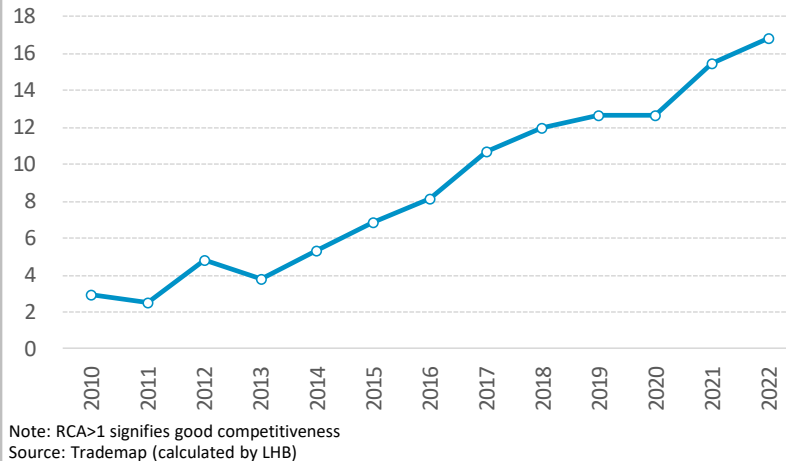
	HDD	Other Storage Devices	Other Computer Components	Total HDD & Computer Components
2019	10,901	268	7,075	18,244
2020	10,680	286	7,704	18,671
2021	13,036	397	8,602	22,036
2022	11,696	335	8,669	20,700
2023	8,205	385	9,235	17,825
%YoY	-29.8	15.0	6.5	-13.9

Market Share of HDD Exports by destination

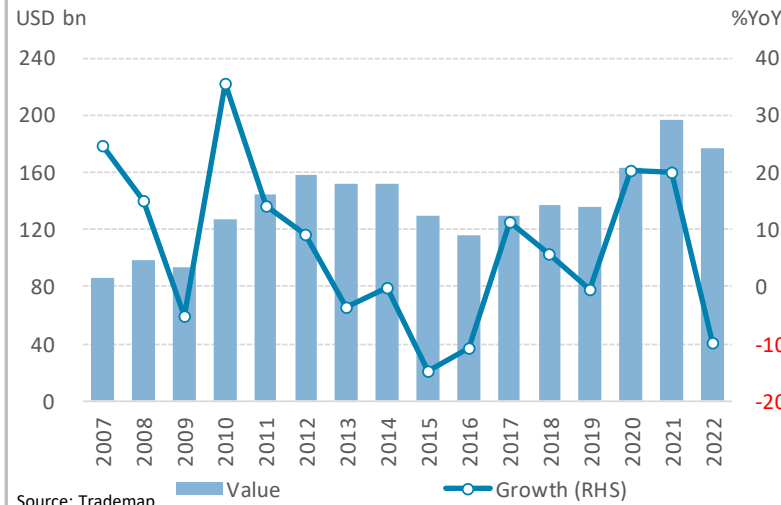
unit: USD mn

	USA	Hong Kong	China	Singapore	Netherland	Others
2021	4,819	3,095	1,229	656	924	2,313
2022	5,354	1,808	1,402	621	662	1,849
2023	3,036	1,525	922	584	320	1,819
%YoY	-43.3	-15.6	-34.3	-6.1	-51.7	-1.6
Share (%)	37.0	18.6	11.2	7.1	3.9	22.2

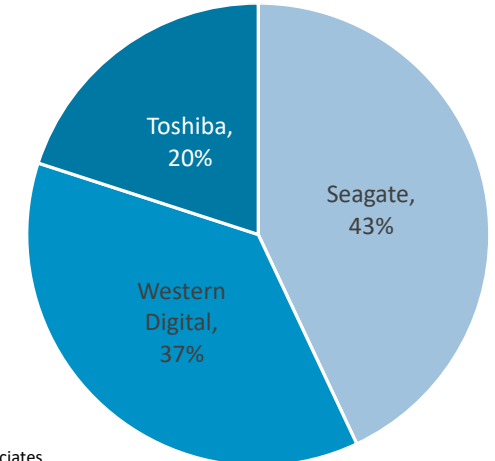
Revealed Comparative Advantage (RCA) of Thai HDD



Worldwide PC Export

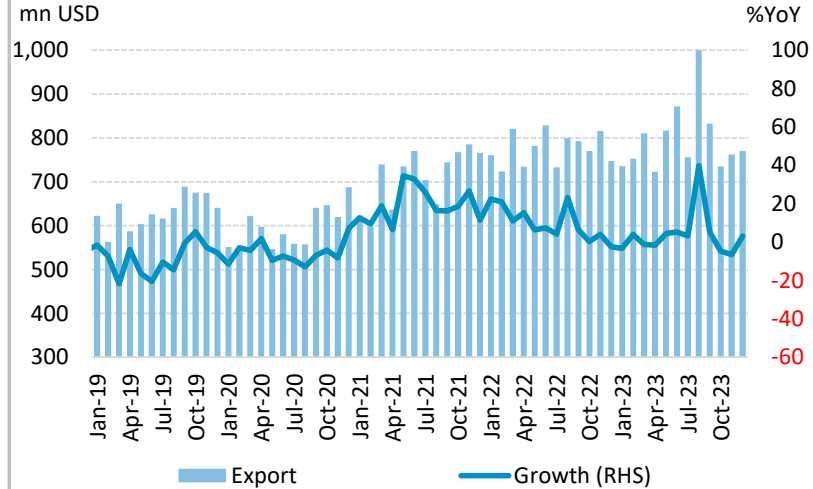


Worldwide HDD Shipments Market Share by Manufacturers



5. Integrated Circuits: IC (แผงวงจรไฟฟ้า)

Thai IC Export



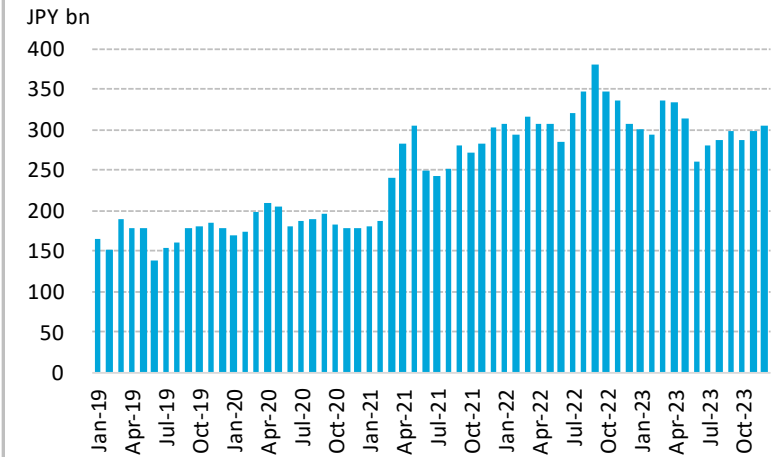
Market Share of Thai IC Exports by Destination

Unit: USD mn

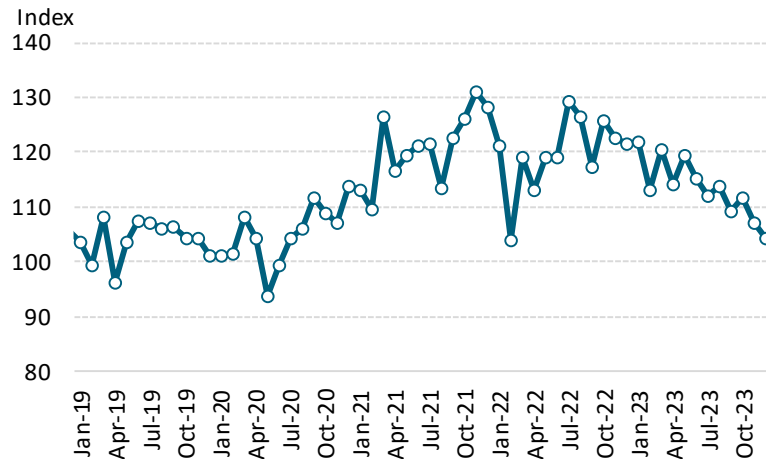
Country	2021	2022	2023	%YoY	Share (%)
Hongkong	2,343.4	2,003.2	1,830.0	-8.7	18.9
Singapore	986.9	1,280.6	1,150.0	-10.2	11.9
Japan	627.6	653.6	1,040.2	59.1	10.7
Taiwan	490.6	685.9	893.7	30.3	9.2
China	719.5	747.5	815.3	9.1	8.4
Others	3,349.0	3,937.3	3,956.4	0.5	40.8
Total	8,517.0	9,308.1	9,685.6	4.1	100.0

Source: MOC

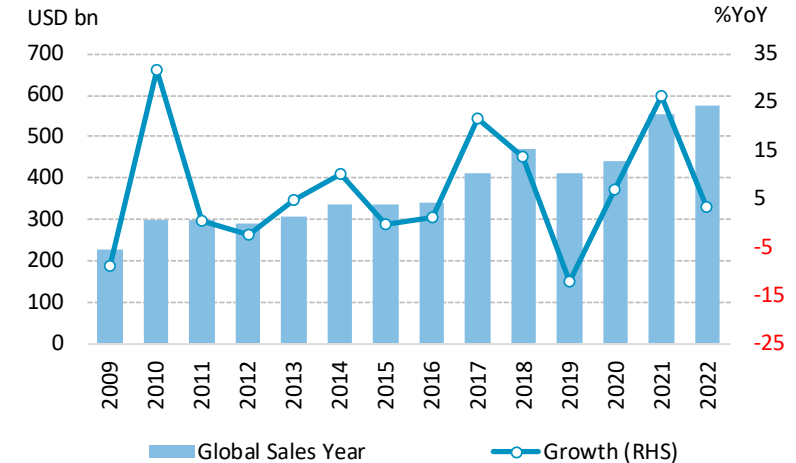
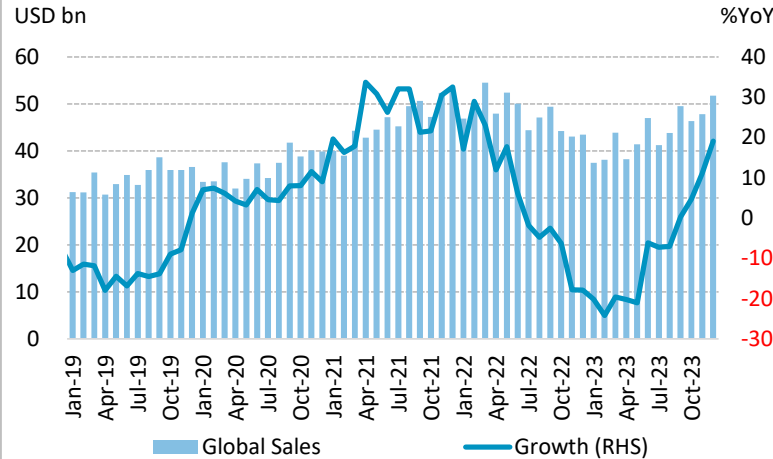
SEAJ Billing (three month avg)



Manufacturing Production Index (MPI)

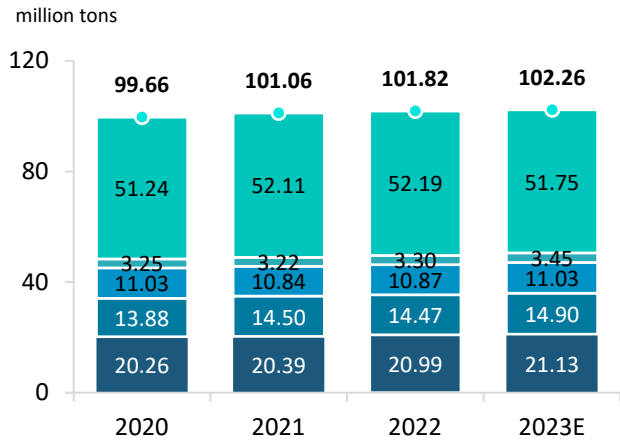


Worldwide Sales of Semiconductors



6. Frozen and Processed Chicken (ไก่แช่แข็งและแปรรูป)

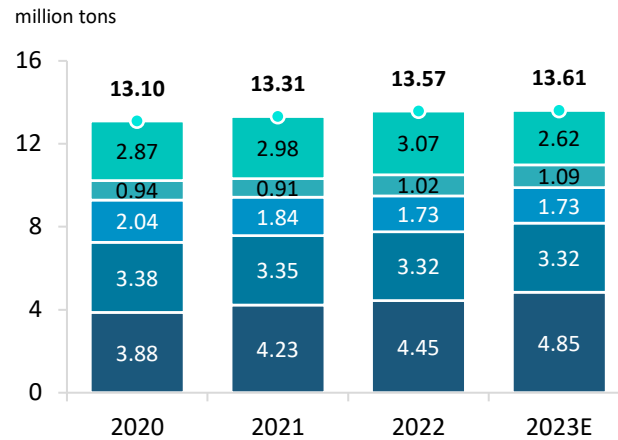
World's Chicken Production



■ The US ■ Brazil ■ The EU ■ Thailand ■ Other ● Total

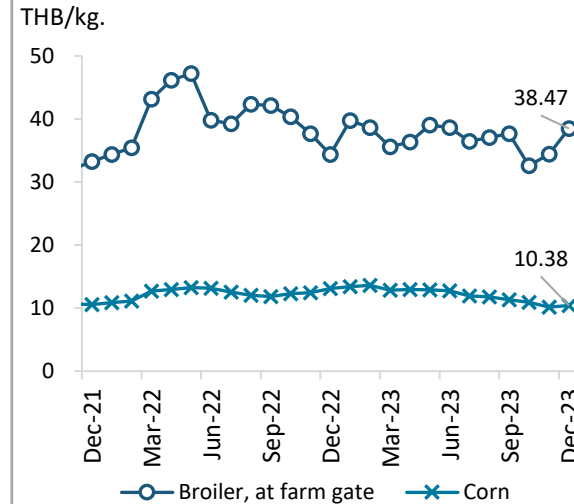
Source: USDA, E = Estimate

World's Chicken Exports



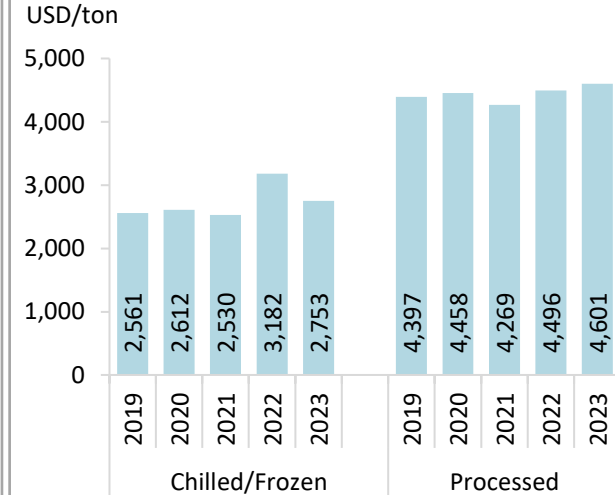
■ Brazil ■ The US ■ The EU ■ Thailand ■ Other ● Total

Broiler and Corn Prices



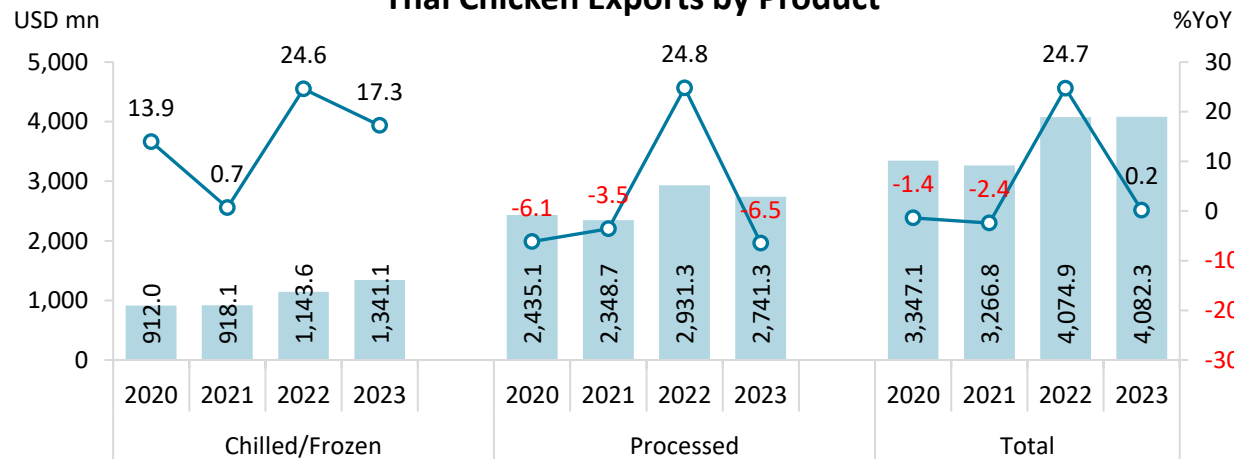
Source: Thai Feed Mill Association

Thai Chicken Export Prices



Source: MOC

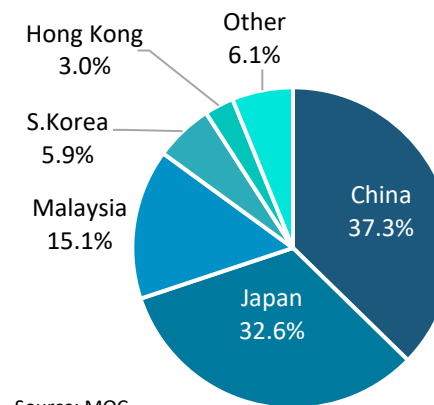
Thai Chicken Exports by Product



■ Value ● %YoY (RHS)

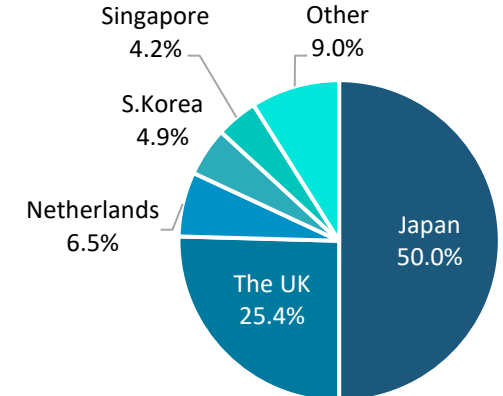
Source: MOC

2023 Chilled/Frozen Chicken by Destination

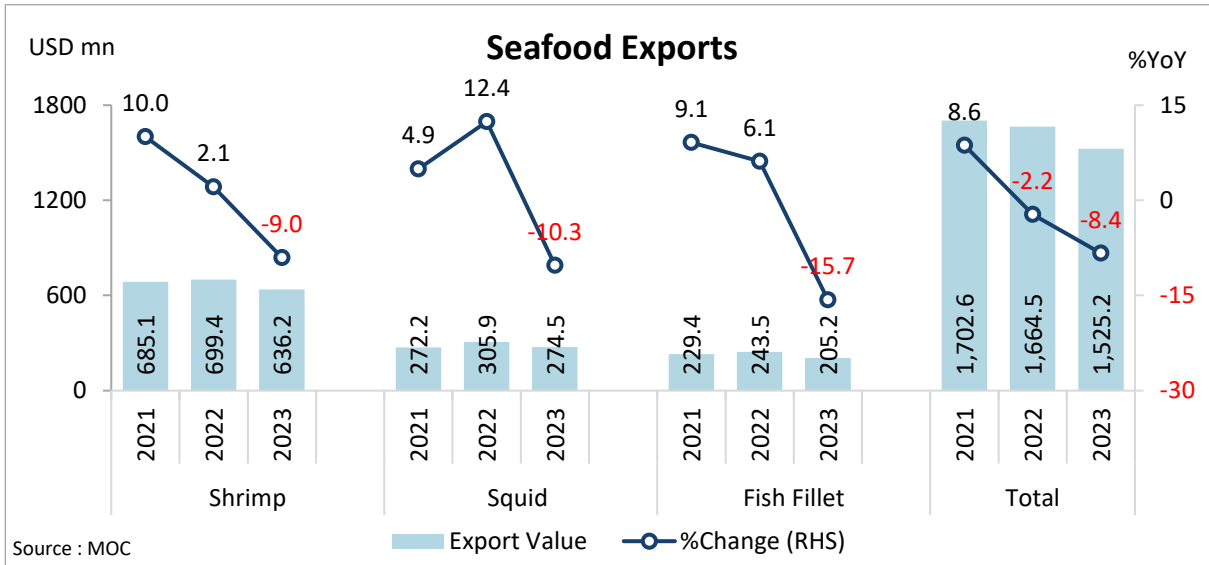
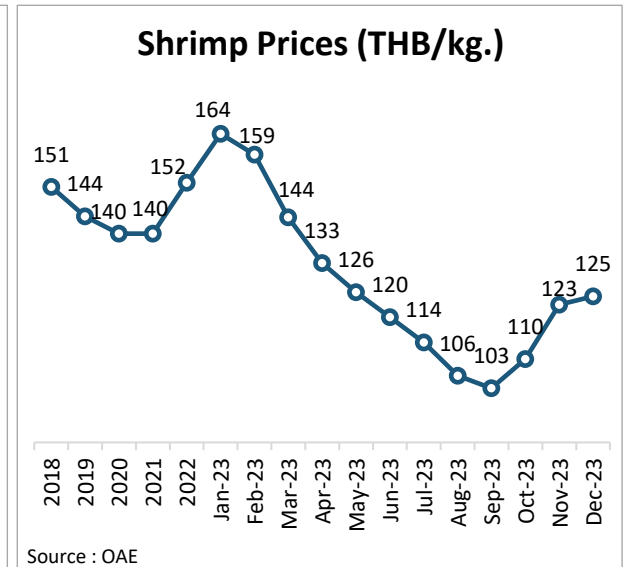
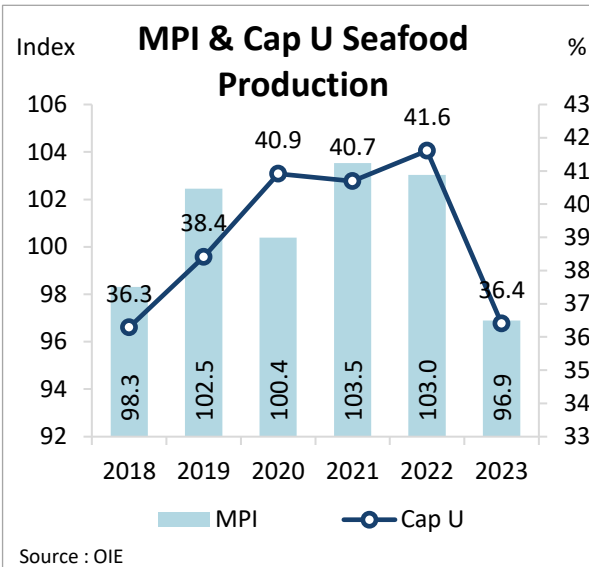
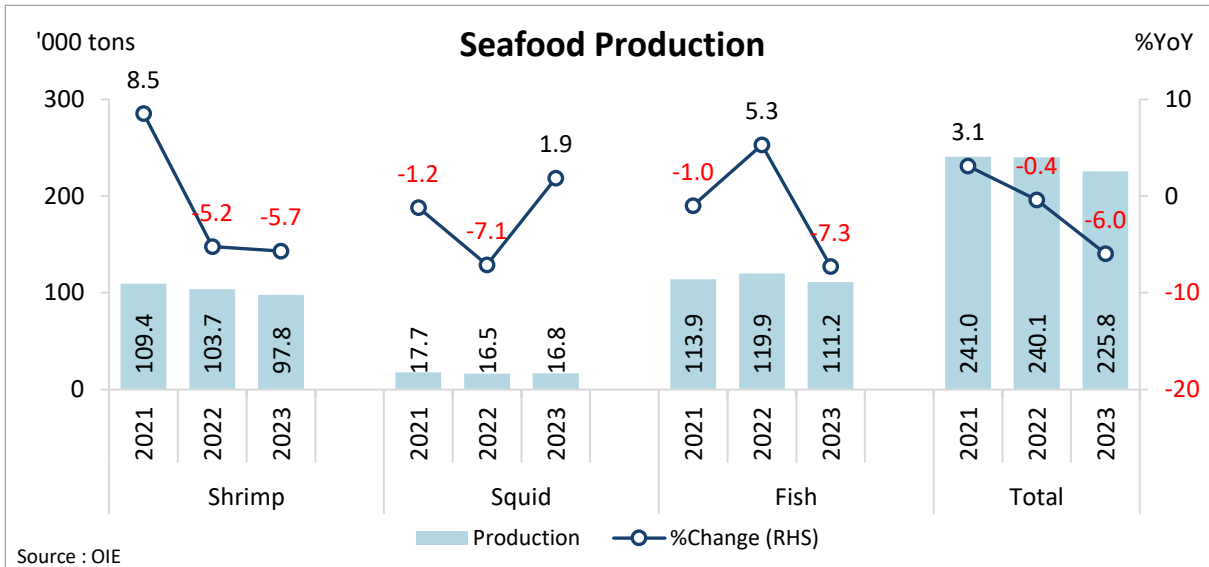


Source: MOC

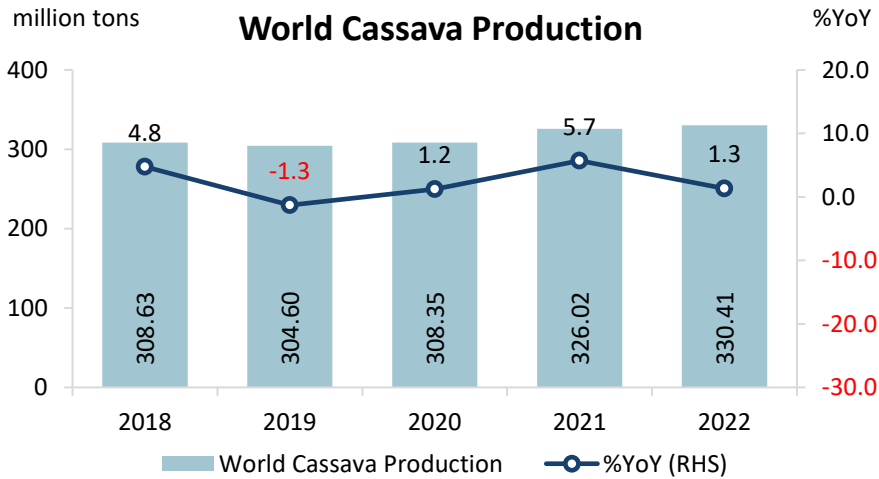
2023 Processed Chicken by Destination



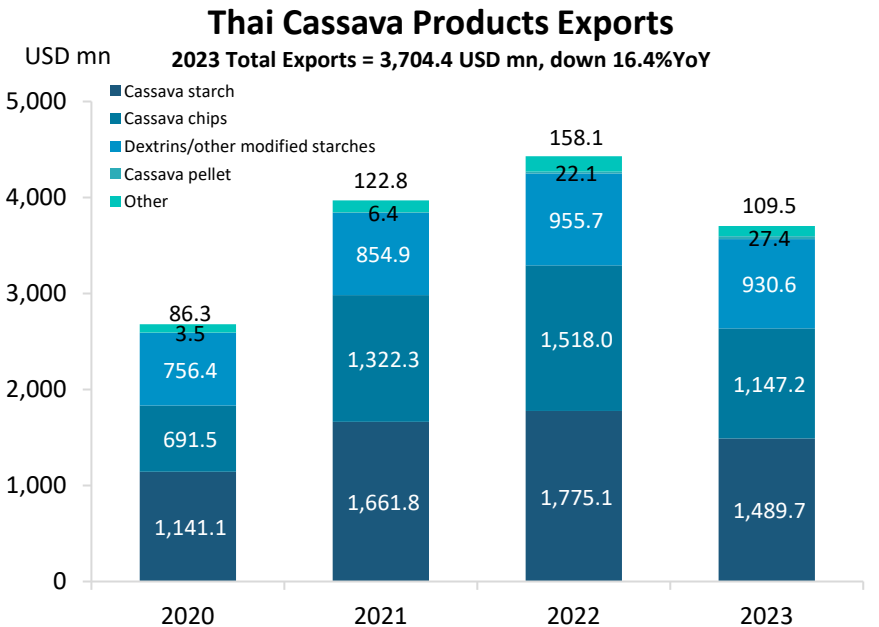
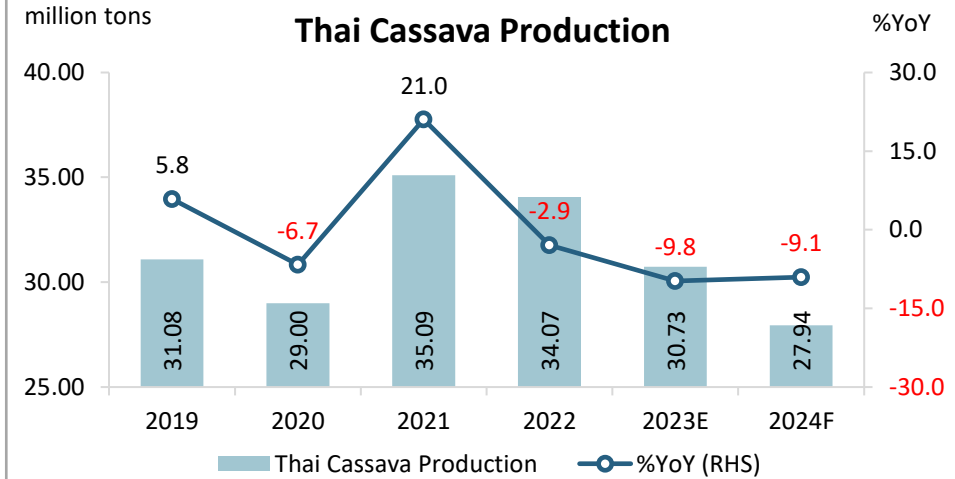
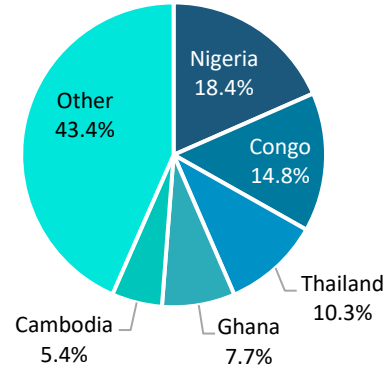
7. Frozen Seafood (อาหารทะเลแช่แข็ง)



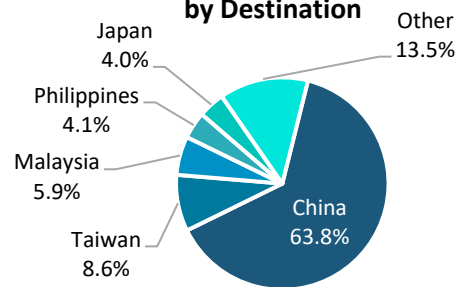
8. Cassava Products (ผลิตภัณฑ์มันสำปะหลัง)



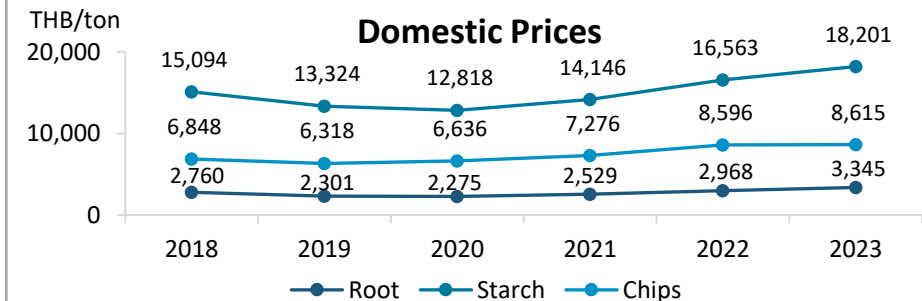
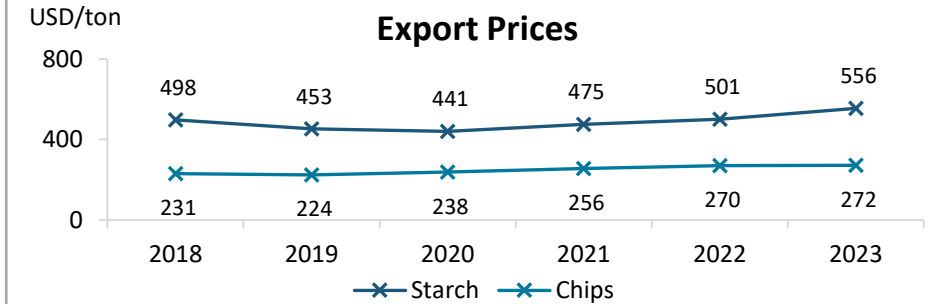
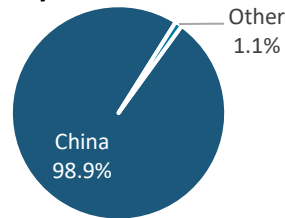
2022 World Cassava Production by Country



2023 Cassava Starch Exports by Destination



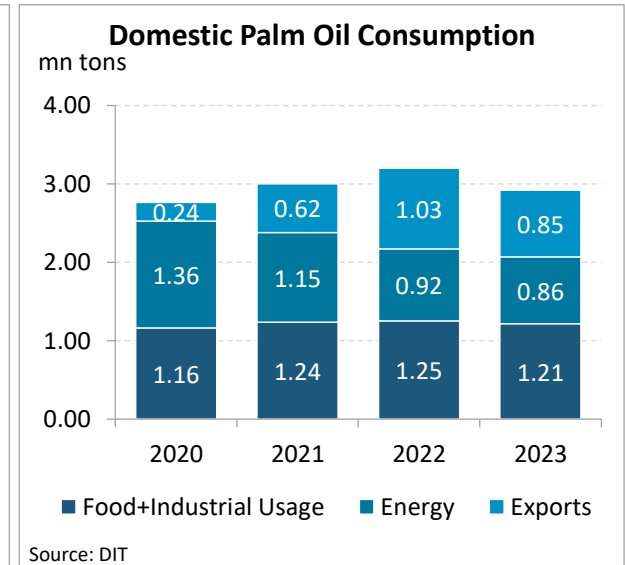
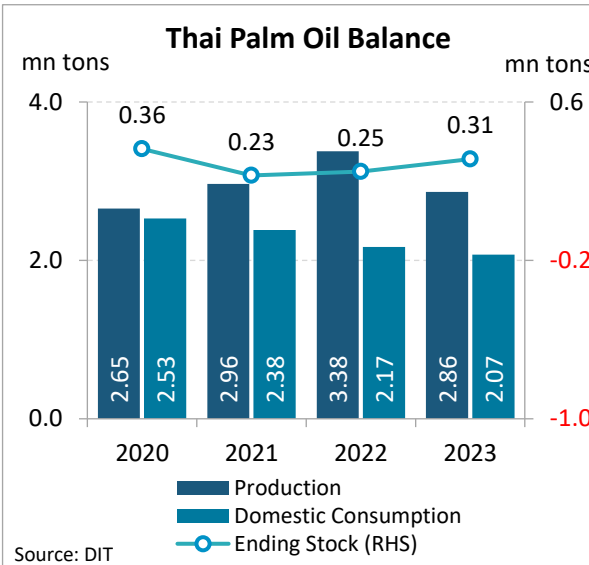
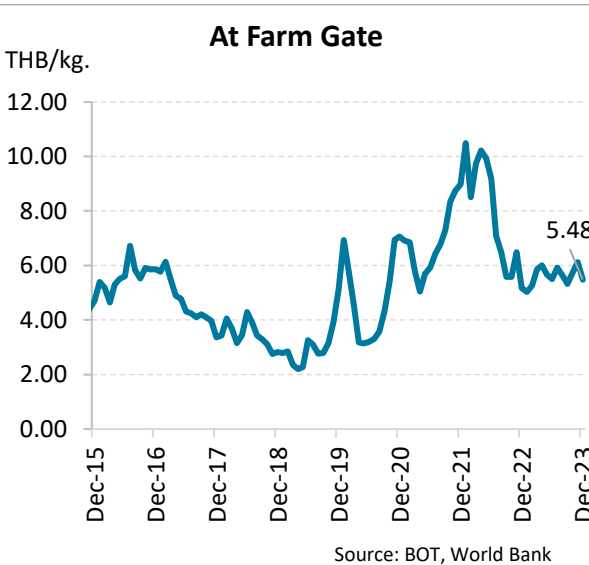
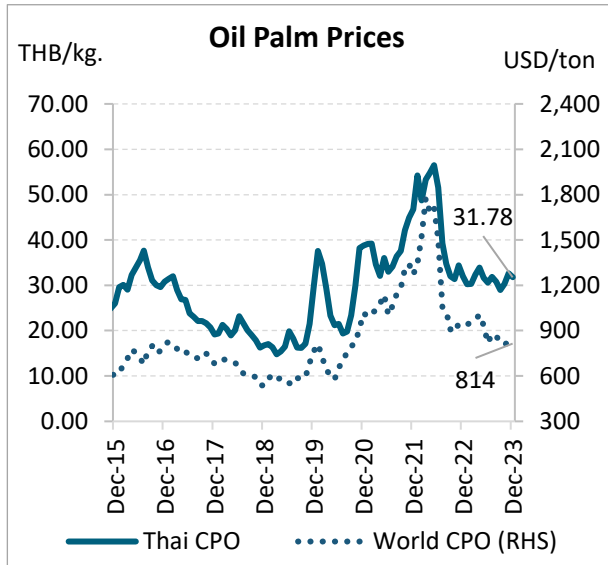
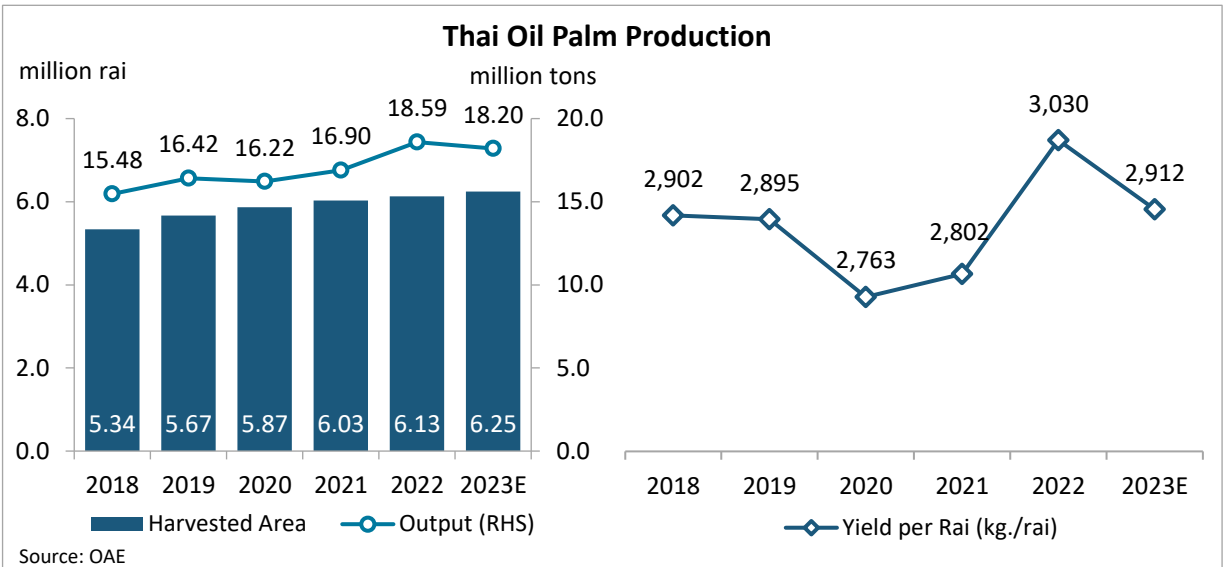
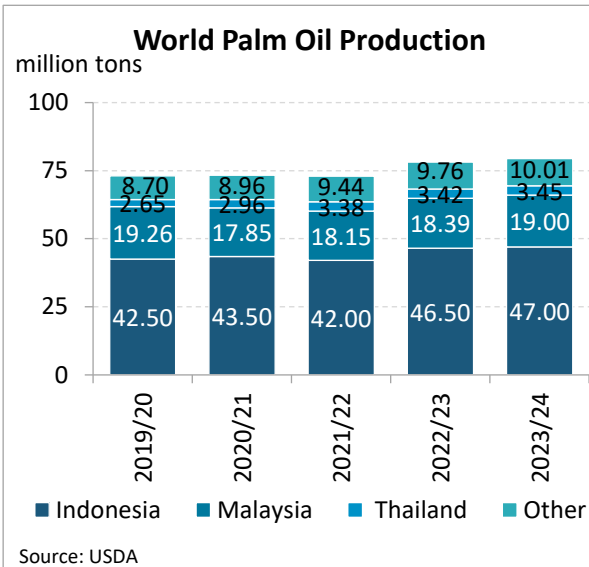
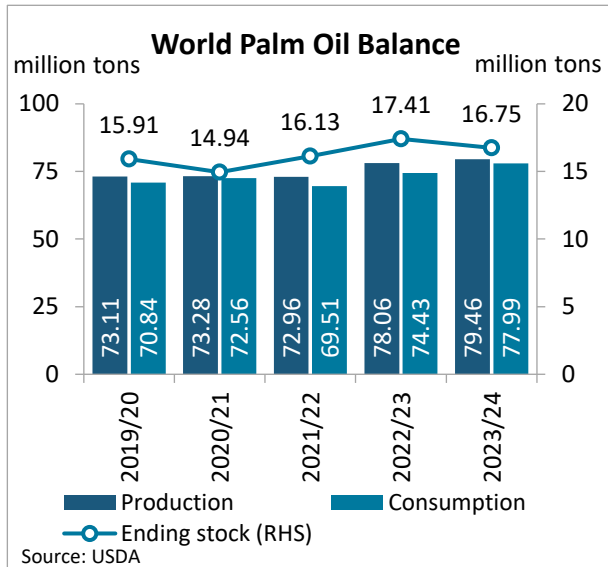
2023 Cassava Chip Exports by Destination



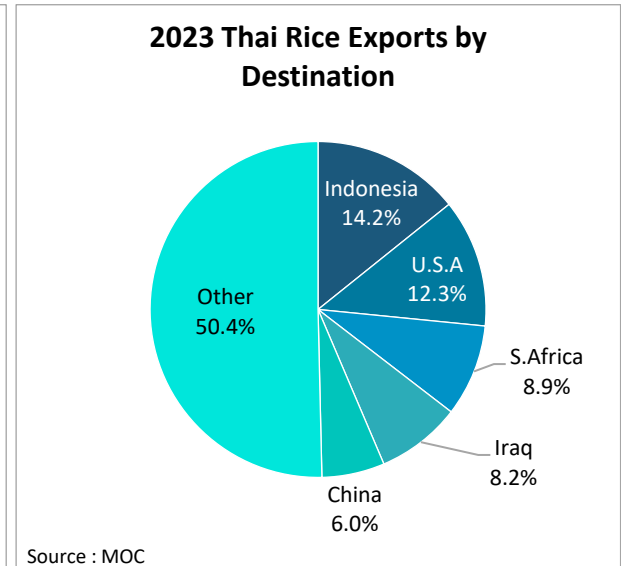
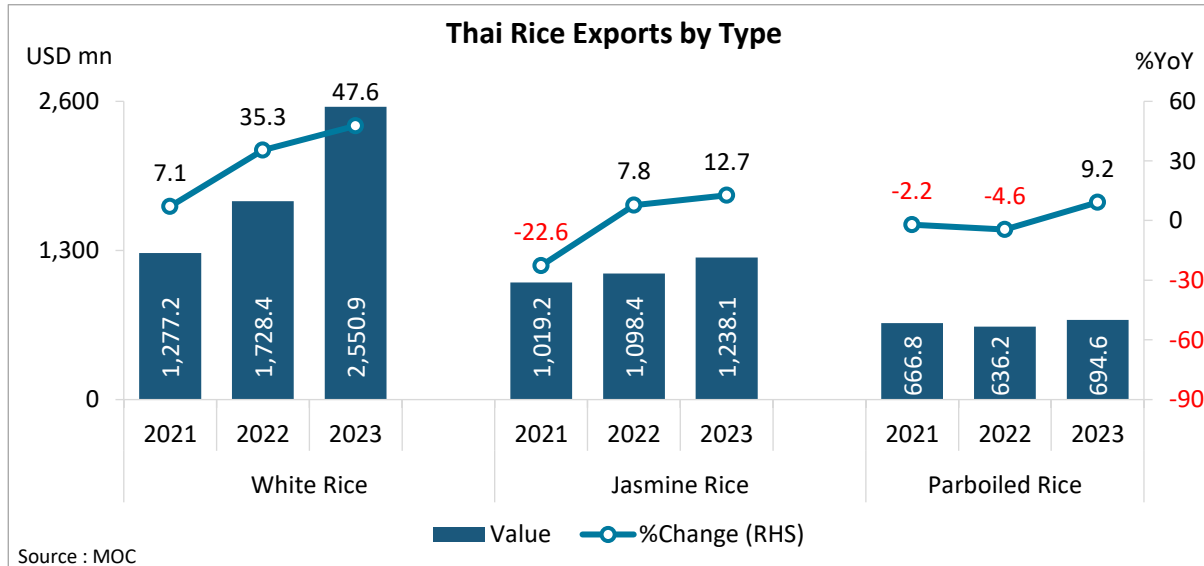
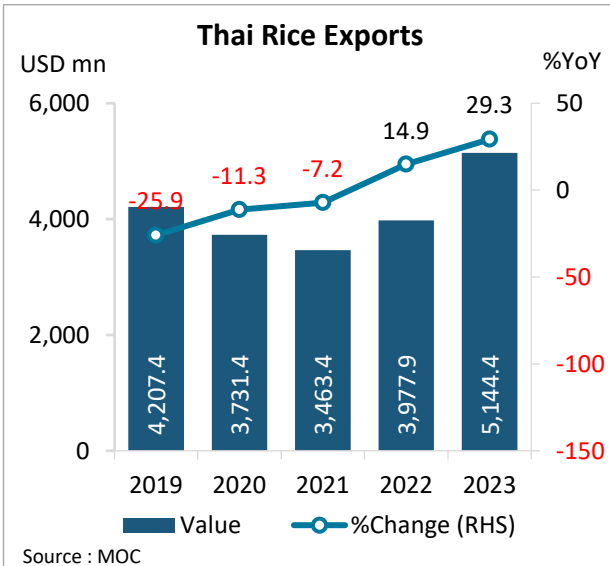
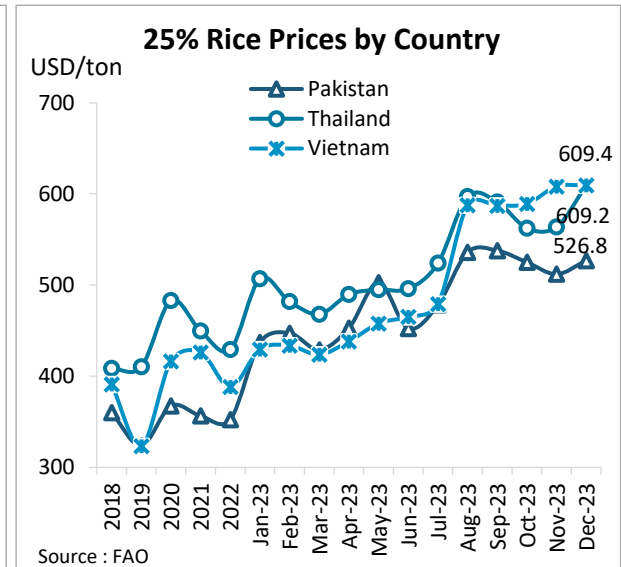
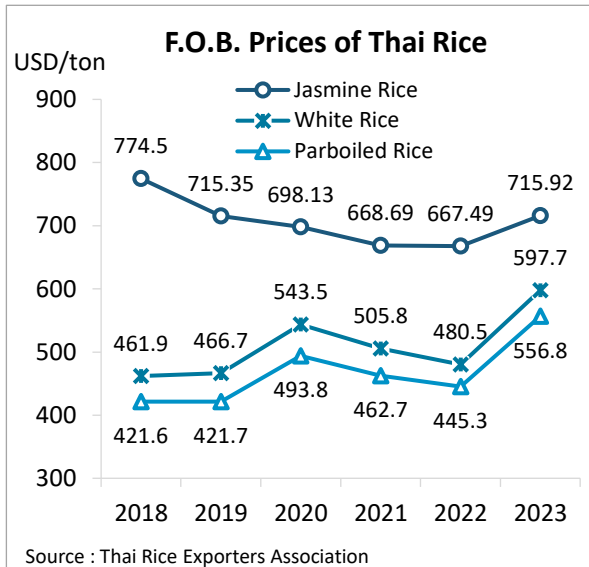
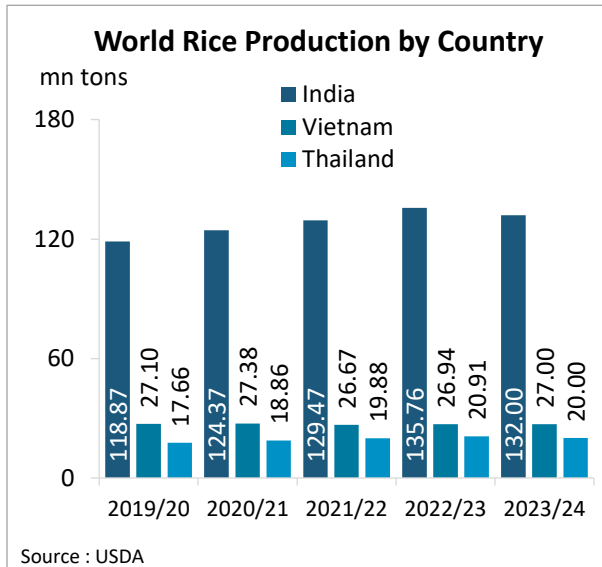
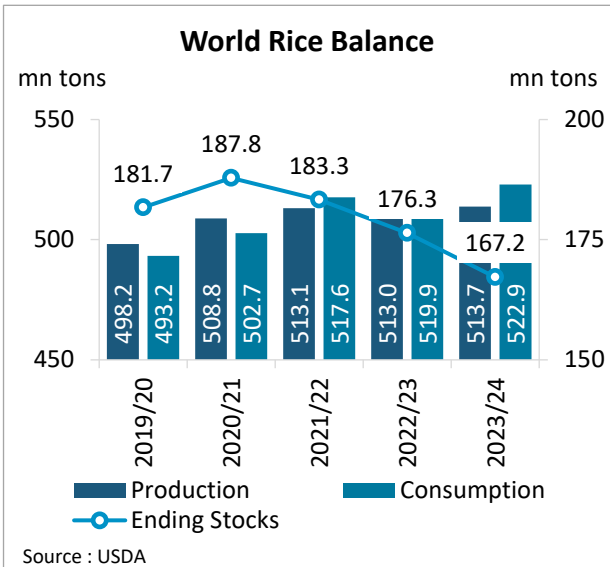
Source: Food and Agriculture Organization of the United Nations, Office of Agricultural Economics, Ministry of Commerce, Thai Tapioca Development Institute

Source: LH Bank Business Research Analysis (Data as of Feb 2024)

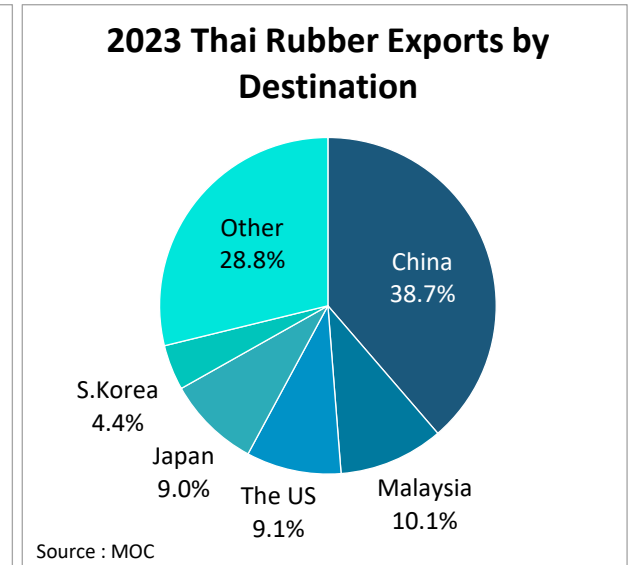
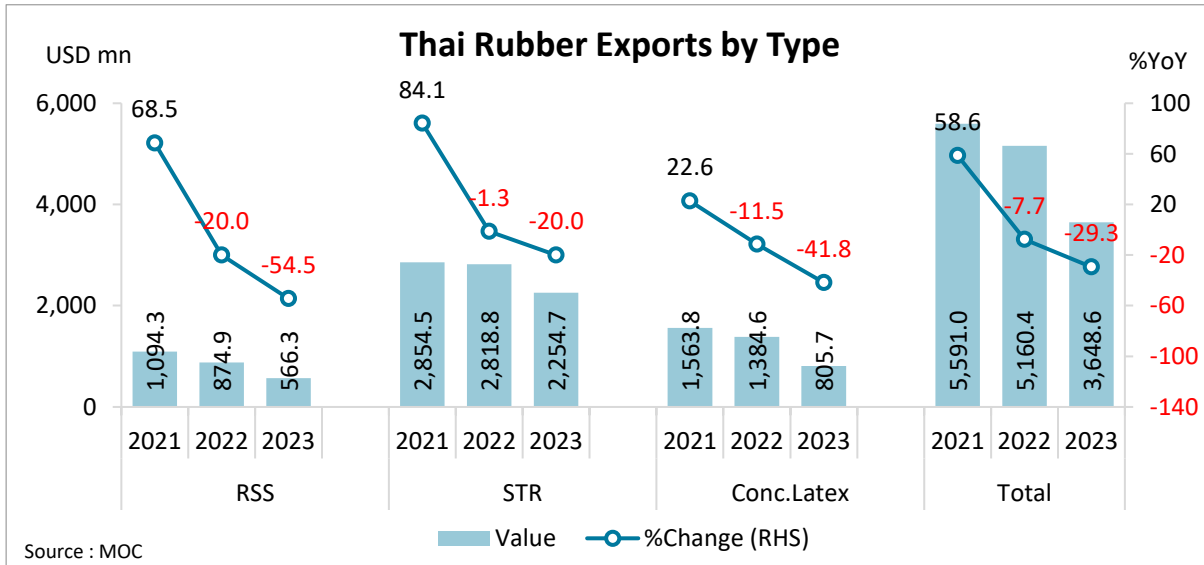
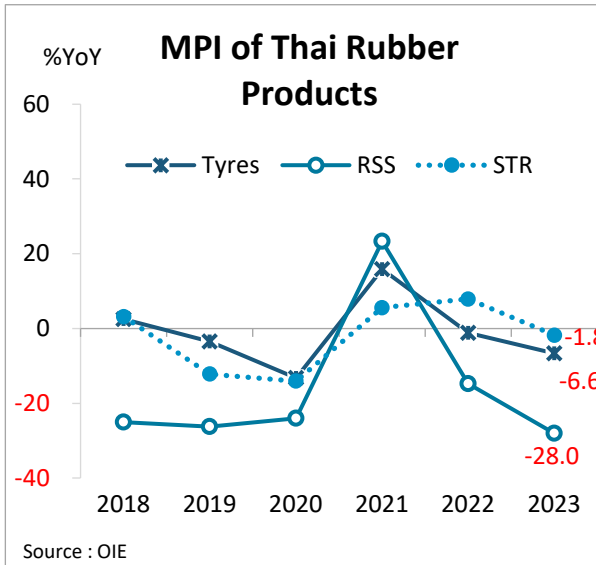
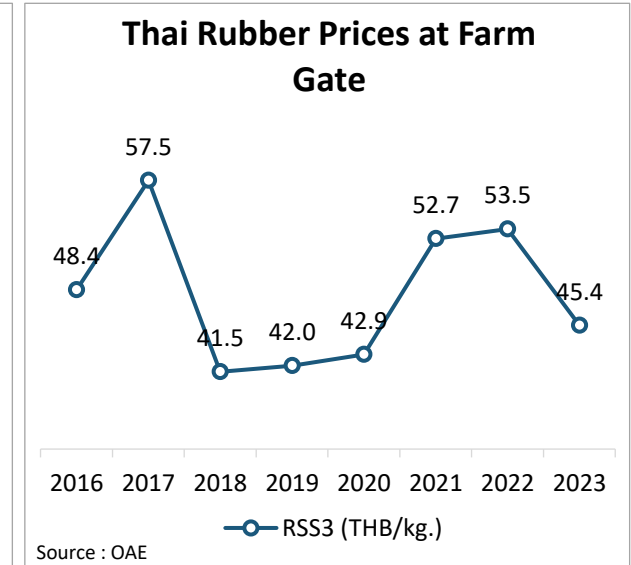
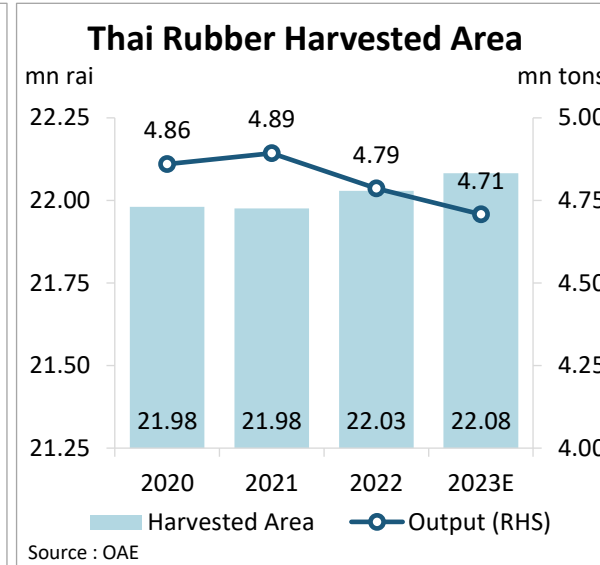
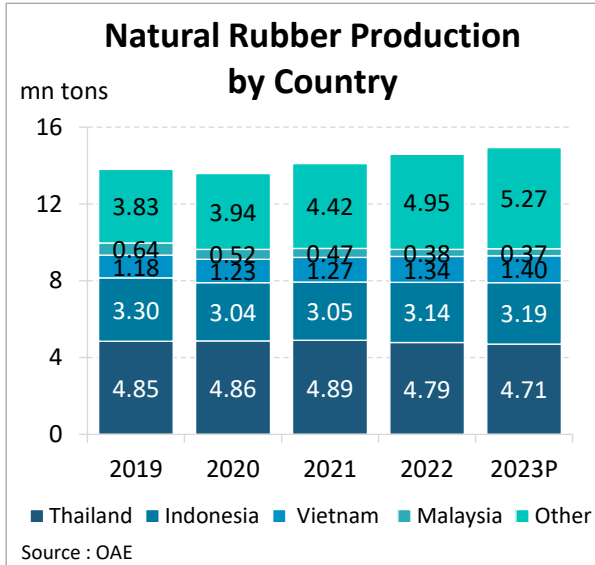
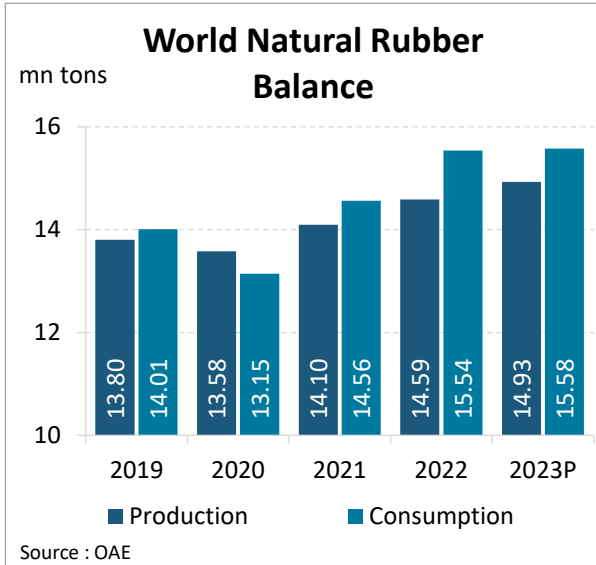
9. Palm Oil (น้ำมันปาล์ม)



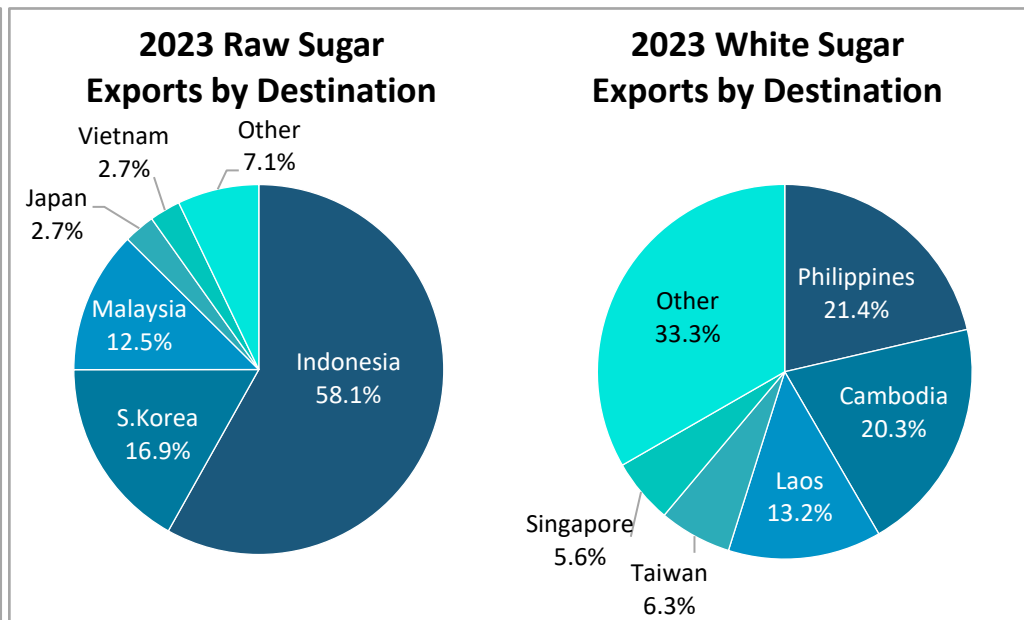
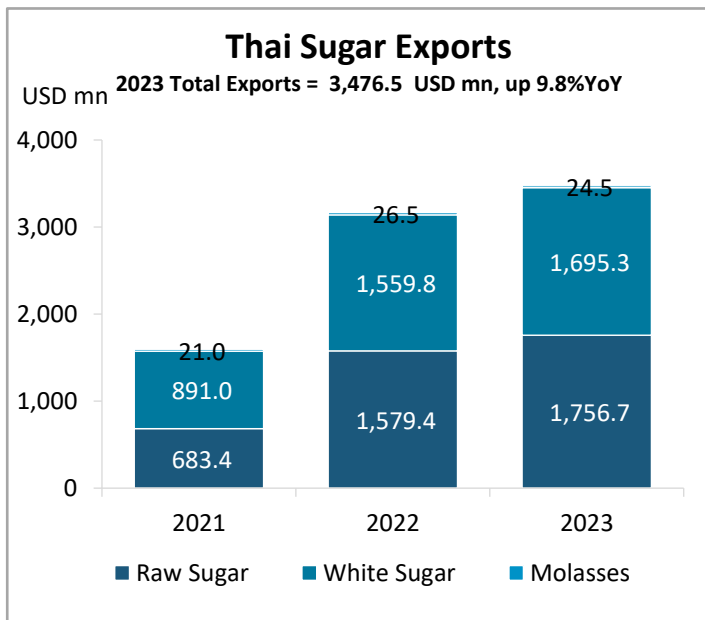
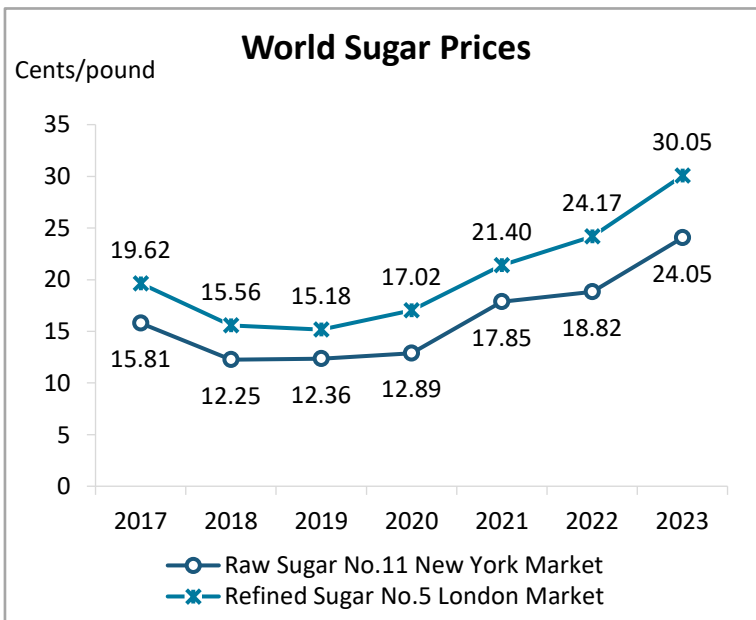
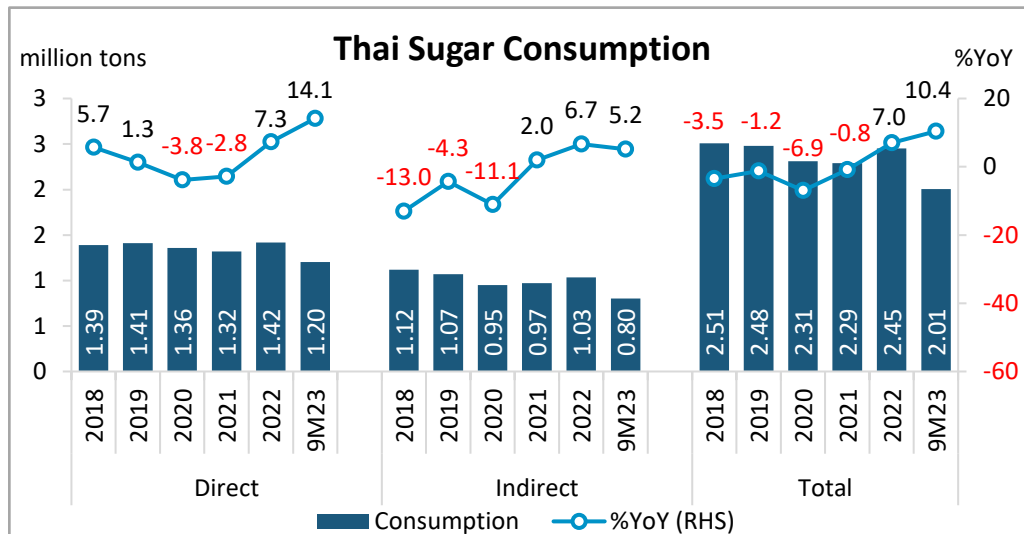
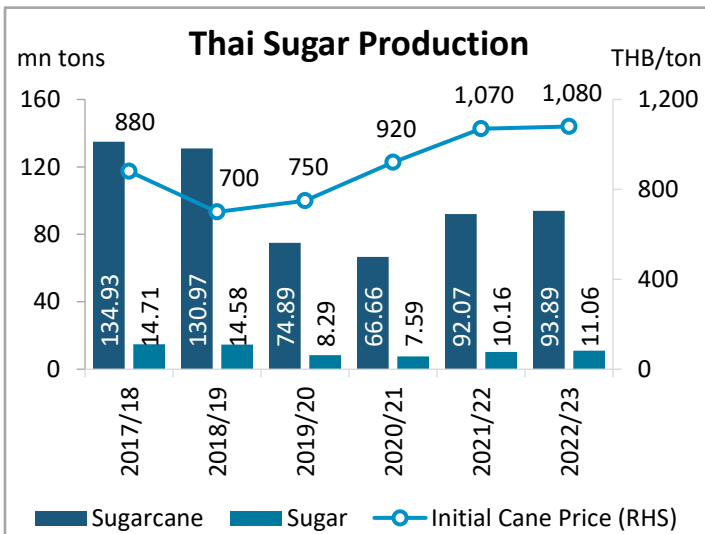
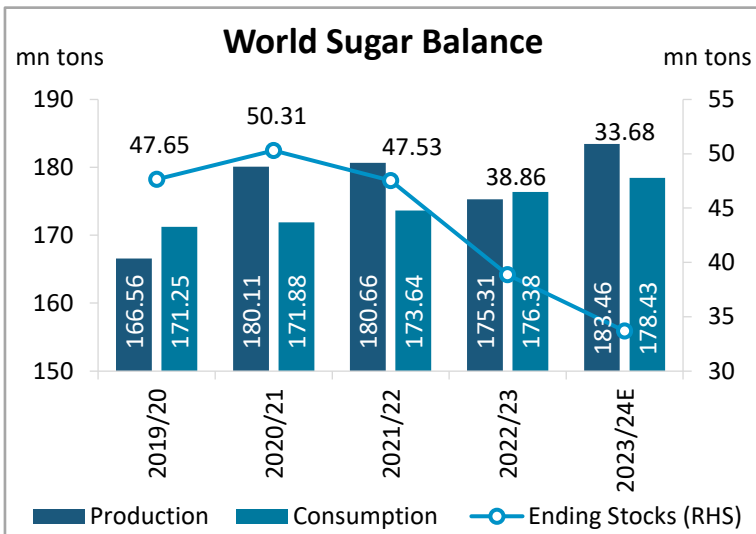
10. Rice (ข้าว)



11. Rubber (ยางพารา)



12. Sugar (น้ำตาล)



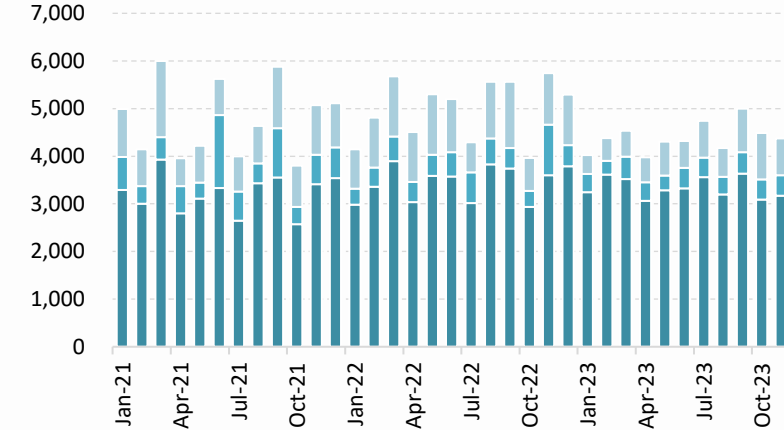
Source: USDA, Office of the Cane and Sugar Board, Ministry of Commerce

Source: LH Bank Business Research Analysis (Data as of Feb 2024)

13. Cement (ปูนซีเมนต์)

Construction Area Permitted

Thousand sq.m. ■ Residential ■ Commercial ■ Industry and Others

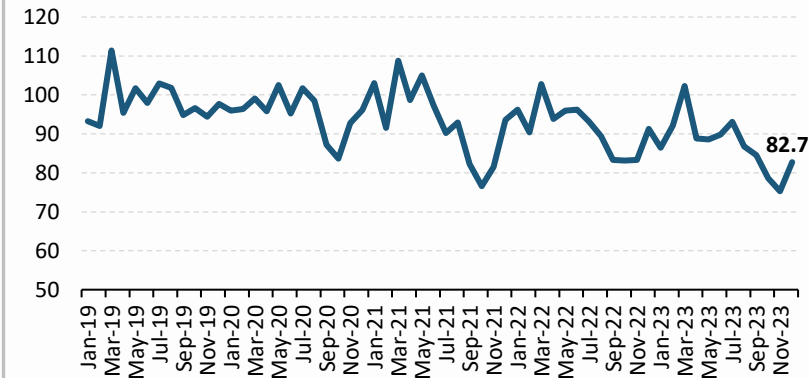


Source: Toyota, FTI

MPI & Capacity Utilization (Cement, White Cement and Clinkers)

Index

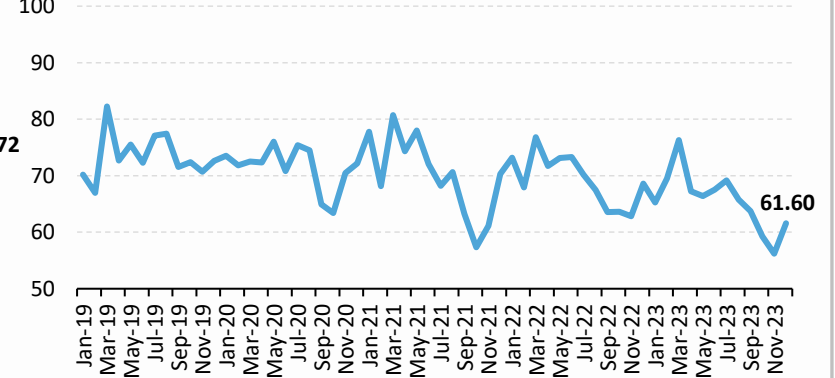
MPI



Note: MPI as of the base year (2016=100)
Source: OIE

Capacity Utilization

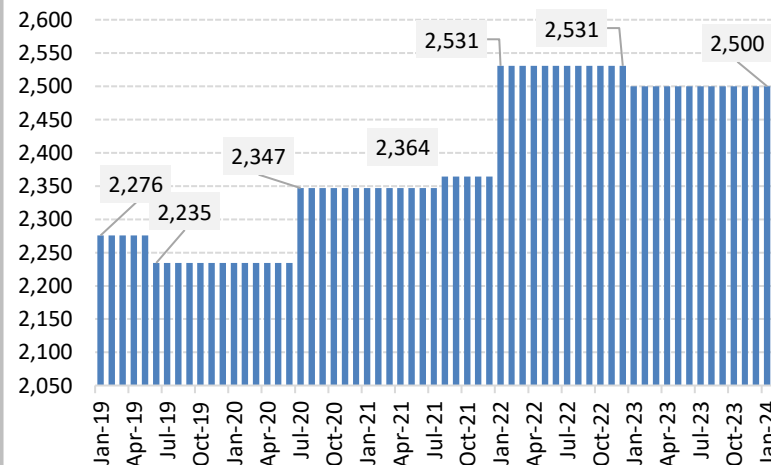
%



Source: Semiconductor Equipment Association of Japan (SEAJ)

Cement Price

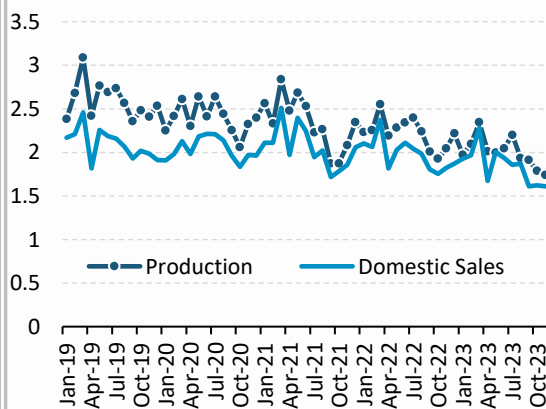
THB/tonne



Source: MOC

Production & Domestic Sales

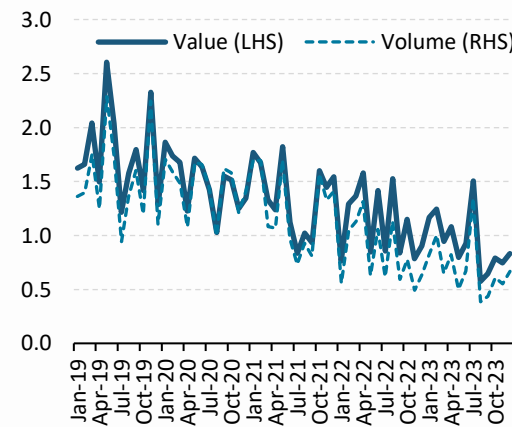
mn. tonnes



Source: OIE

Thai Cement Exports

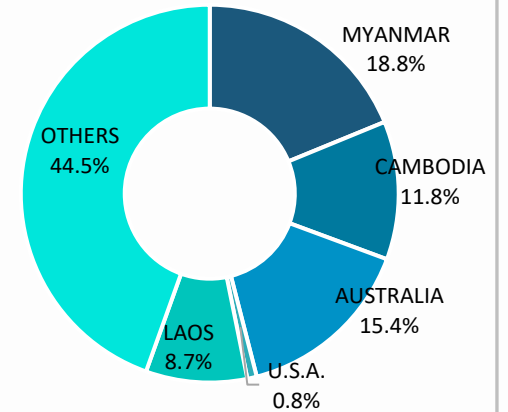
THB, bn



Source: MOC

Export Market Shares in 2023 by Value

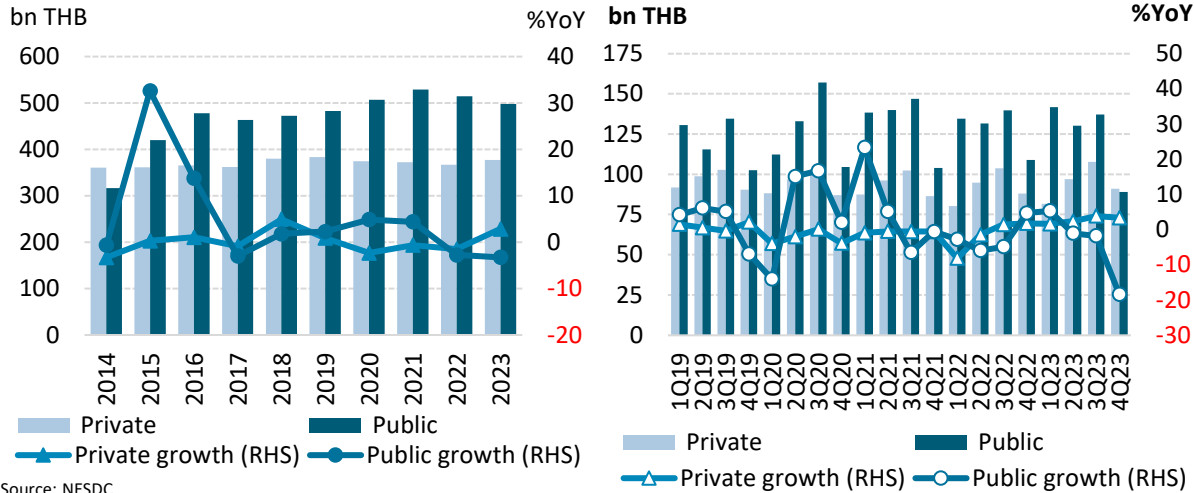
mn. tonne



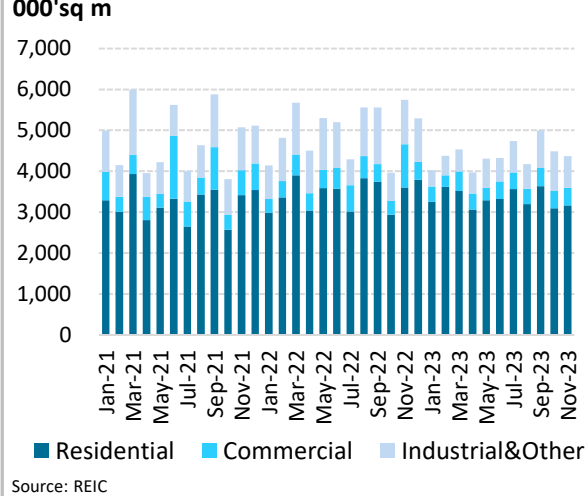
Source: MOC

14. Construction Contractor (รับเหมาก่อสร้าง)

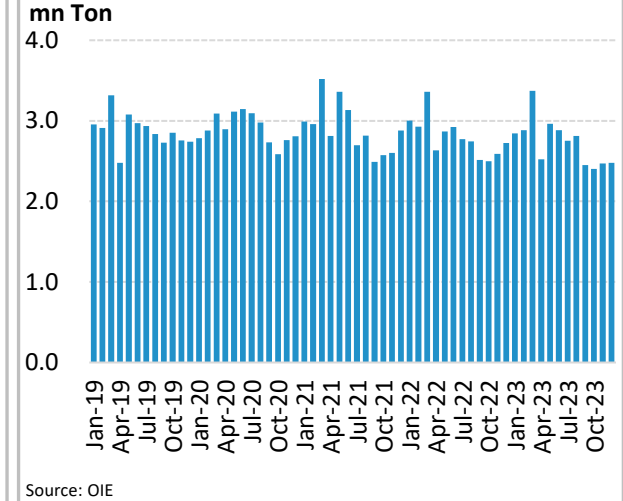
Construction Gross Fixed capital (constant price)



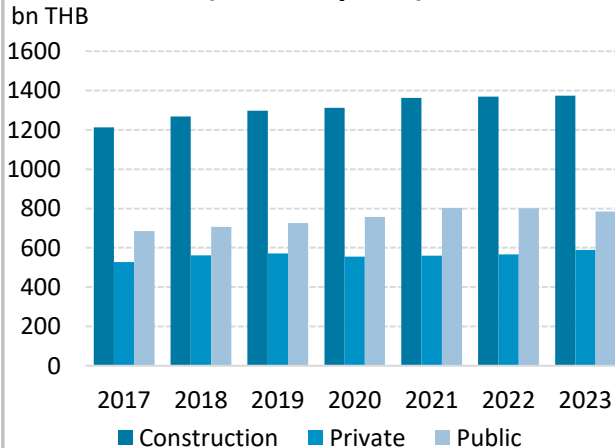
Construction areas permitted



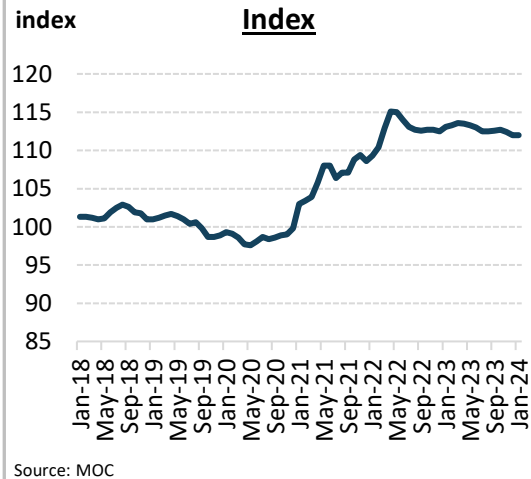
Domestic Cement Sales



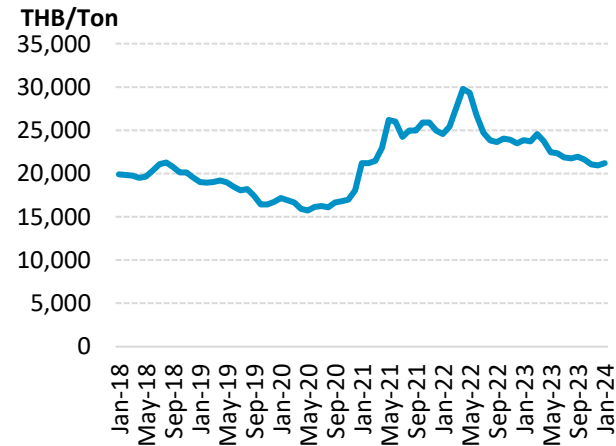
Construction Gross Fixed capital (current price)



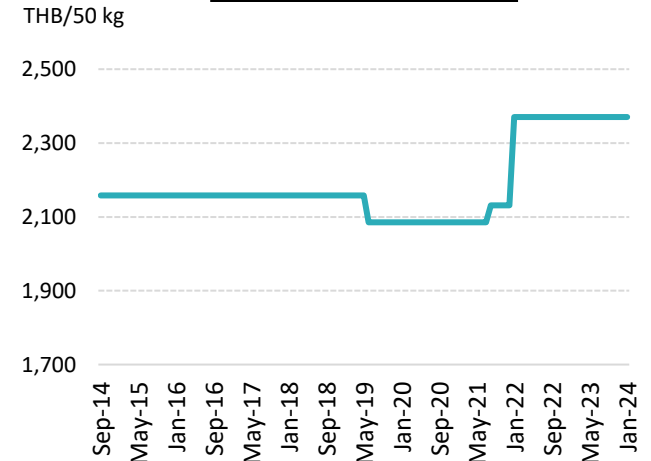
Construction Materials Price Index



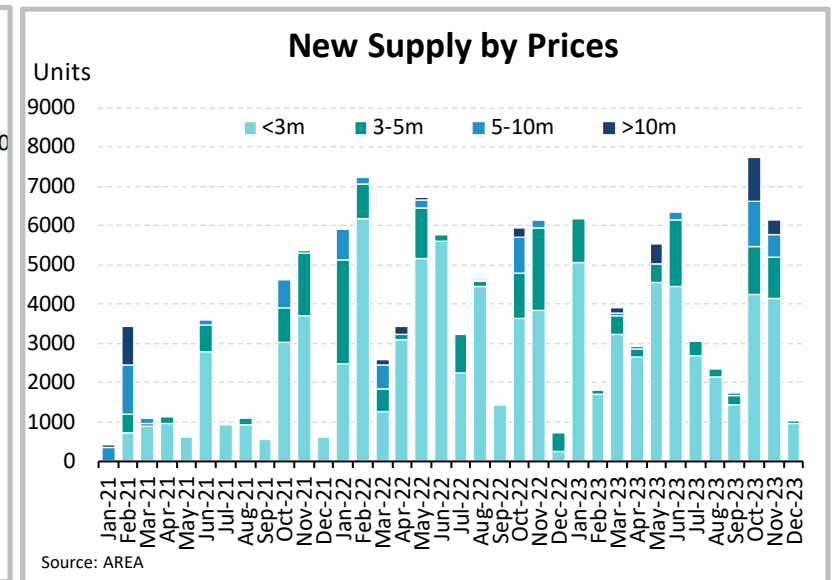
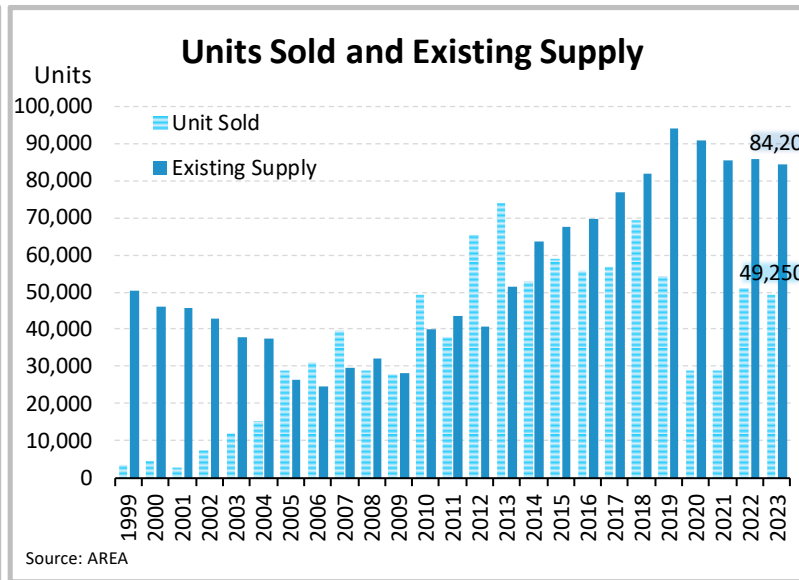
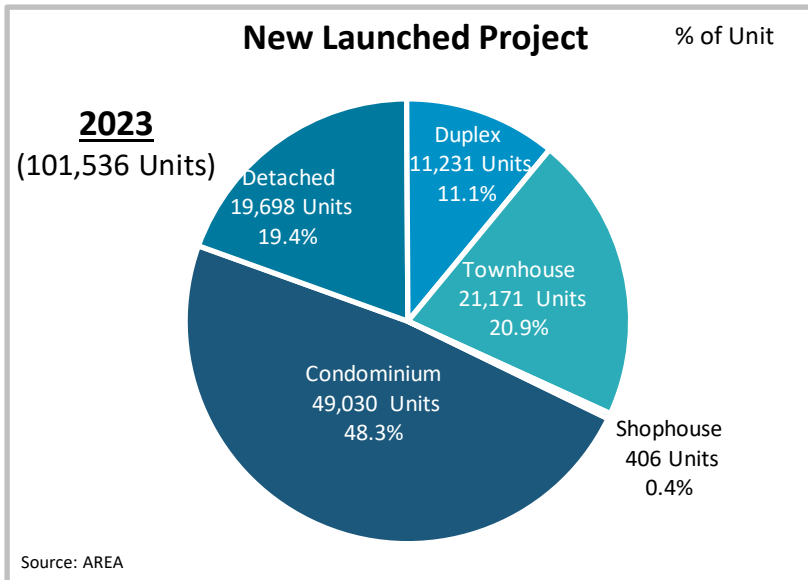
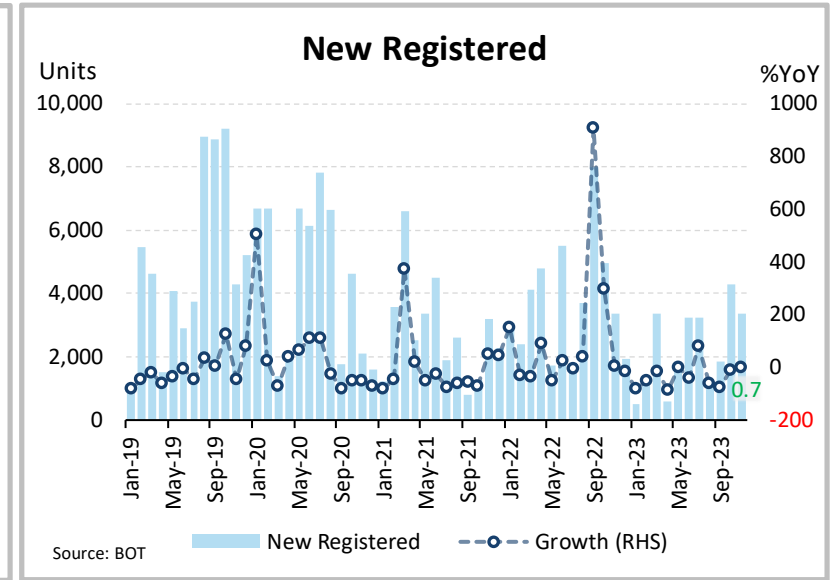
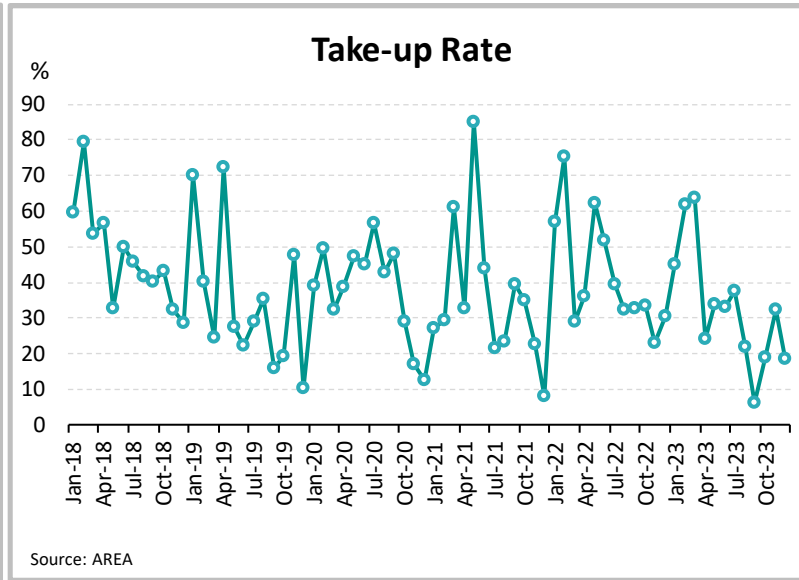
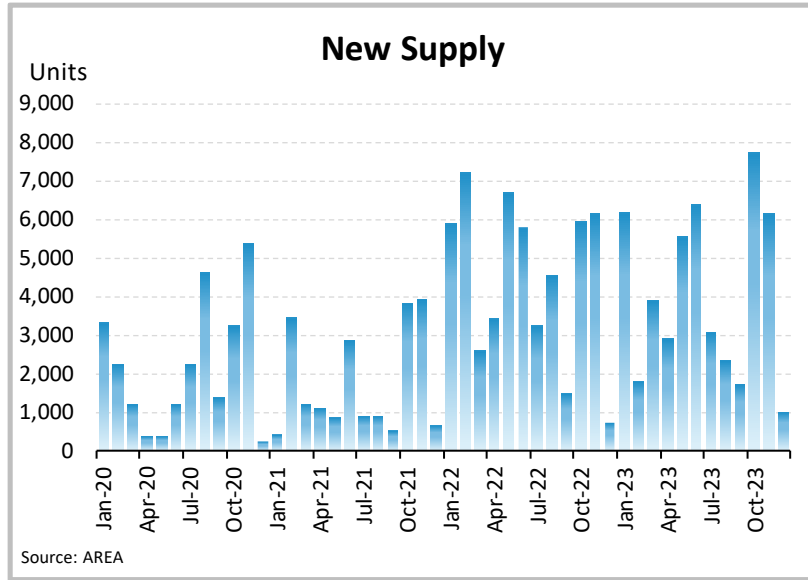
Construction Material Price Domestic Steel Price (wire rod 9 mm)



Domestic Cement Price

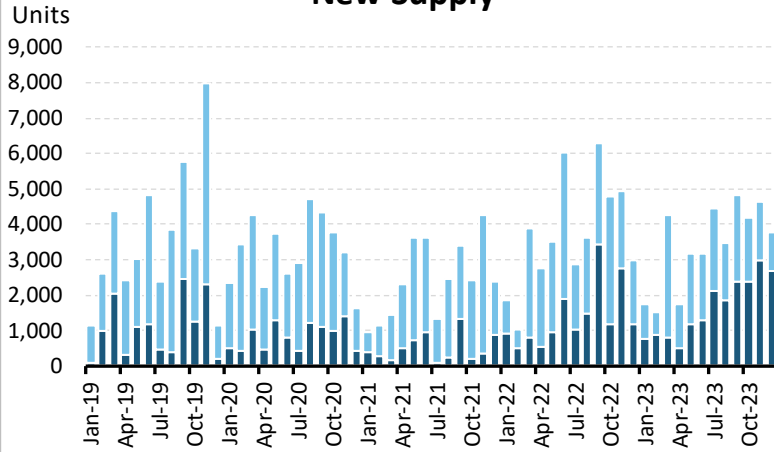


15. Condominiums in BRM (คอนโดมิเนียม)



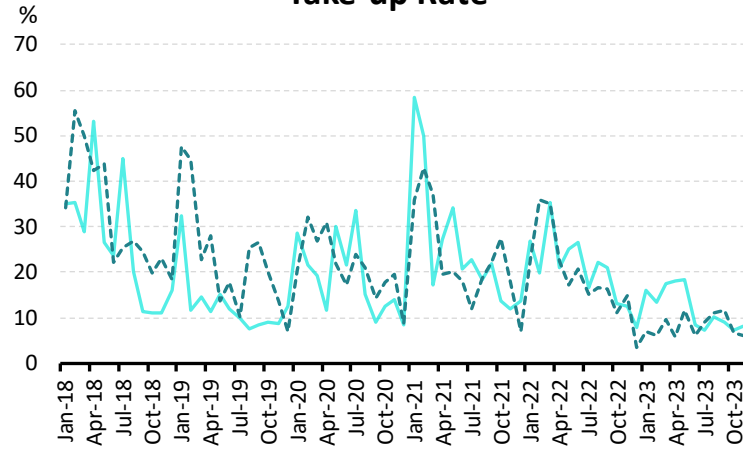
16. Low-rise Housing in BRM (บ้านจัดสรร)

New Supply



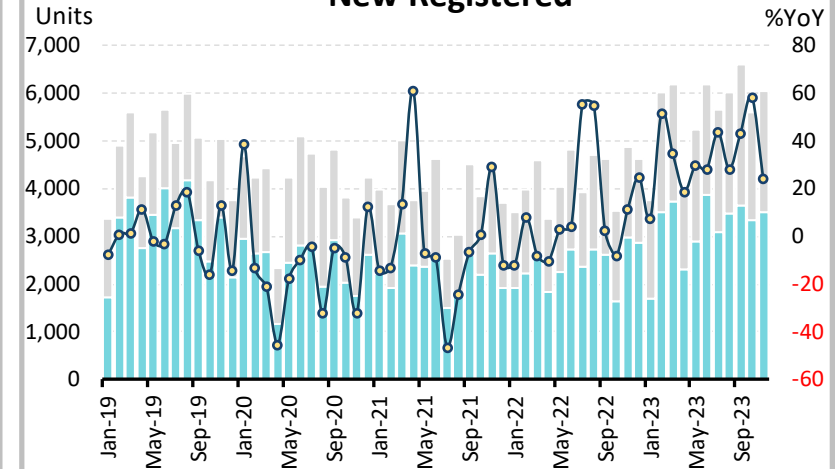
Source: AREA

Take-up Rate



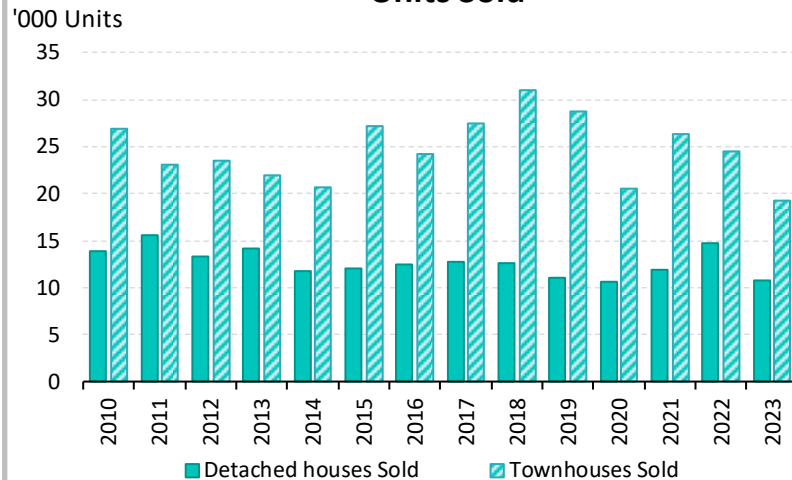
Source: AREA

New Registered



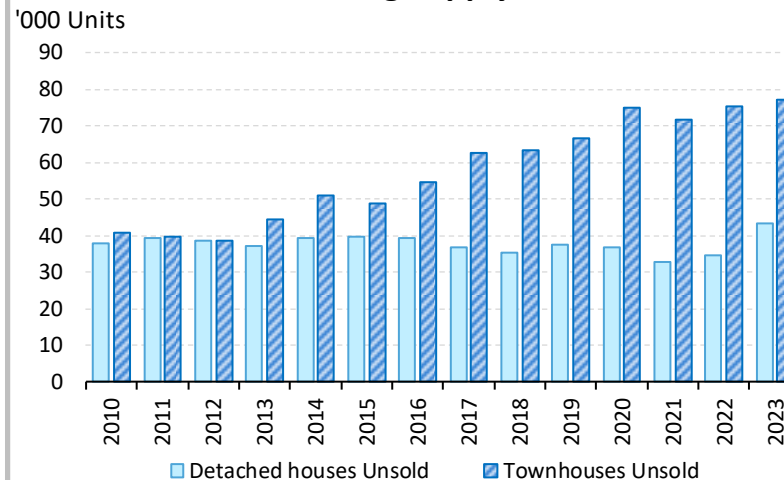
Source: BOT

Units Sold



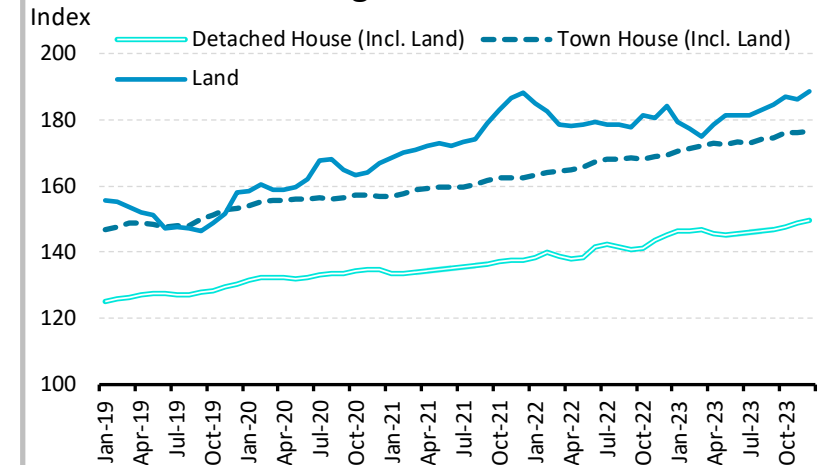
Source: AREA

Existing Supply



Source: AREA

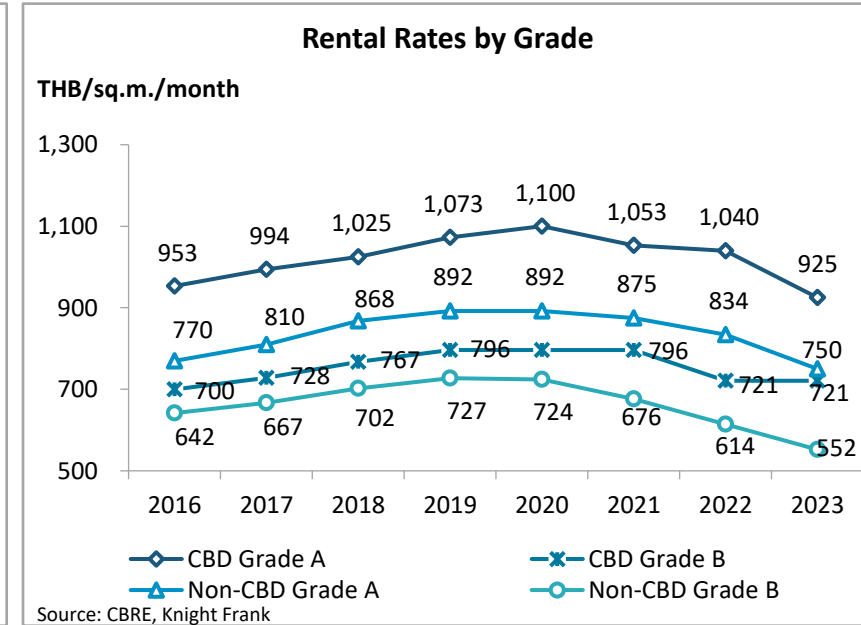
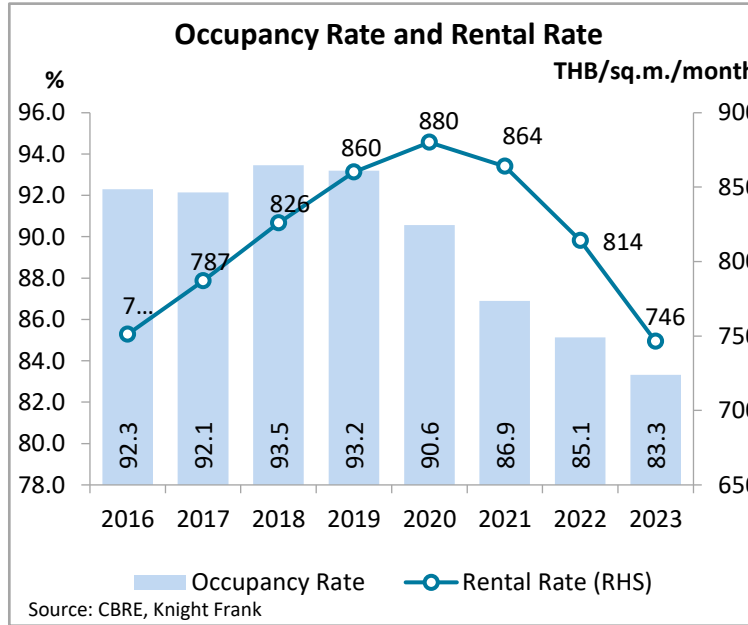
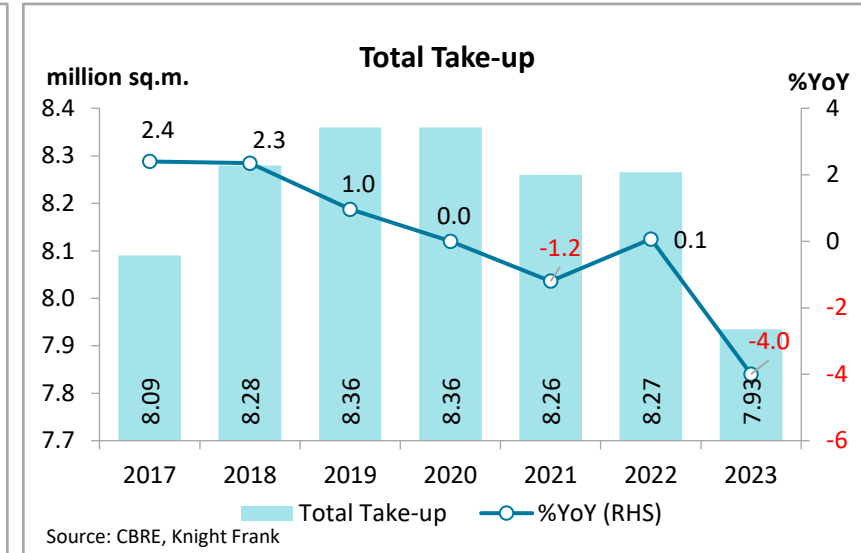
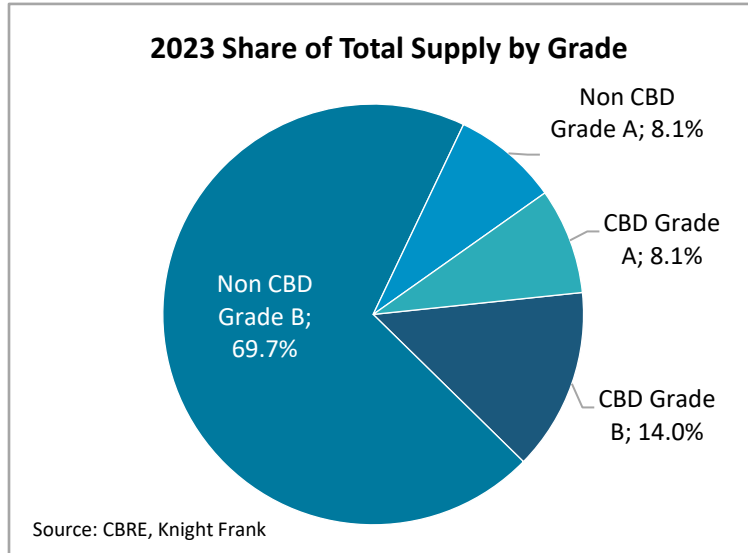
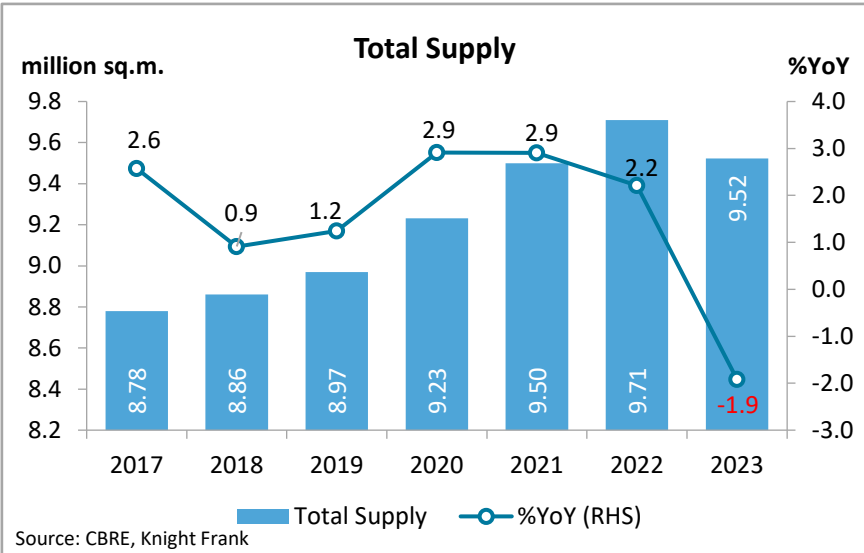
Housing Price Index



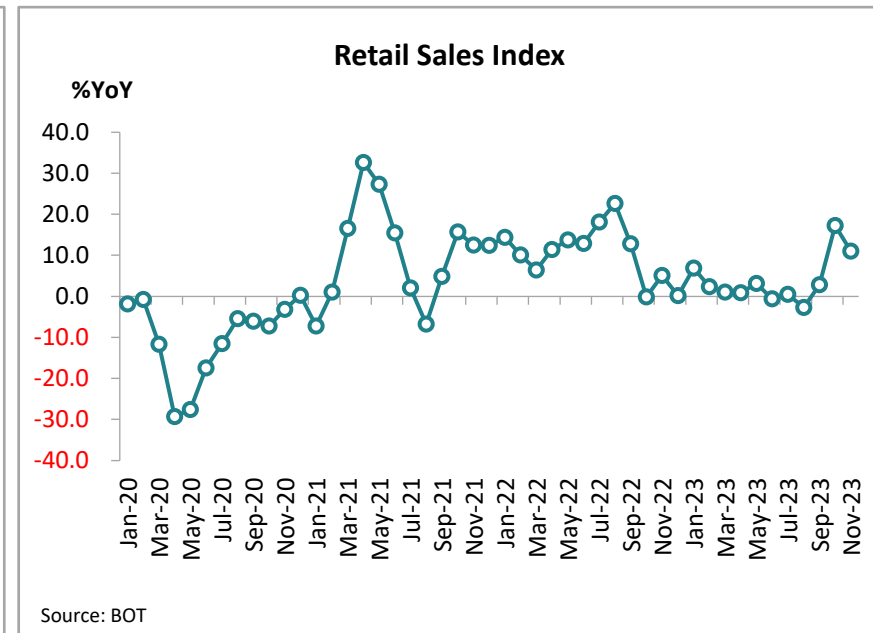
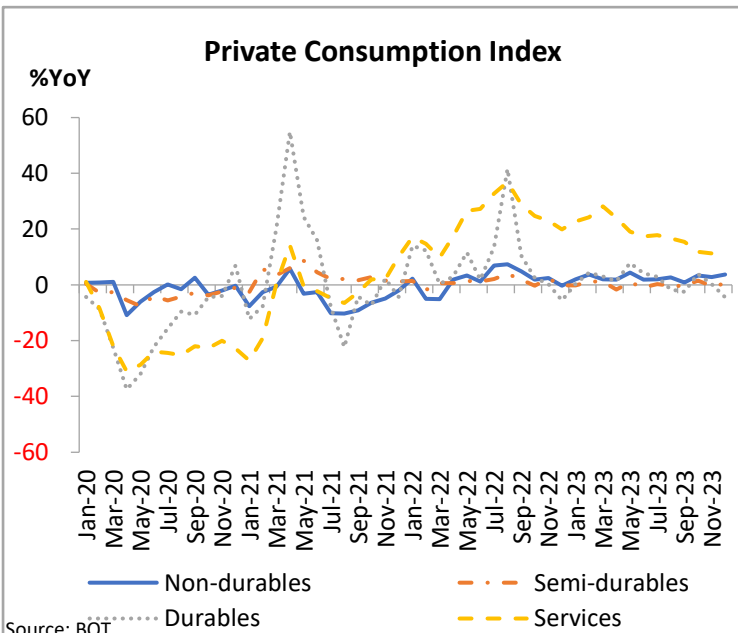
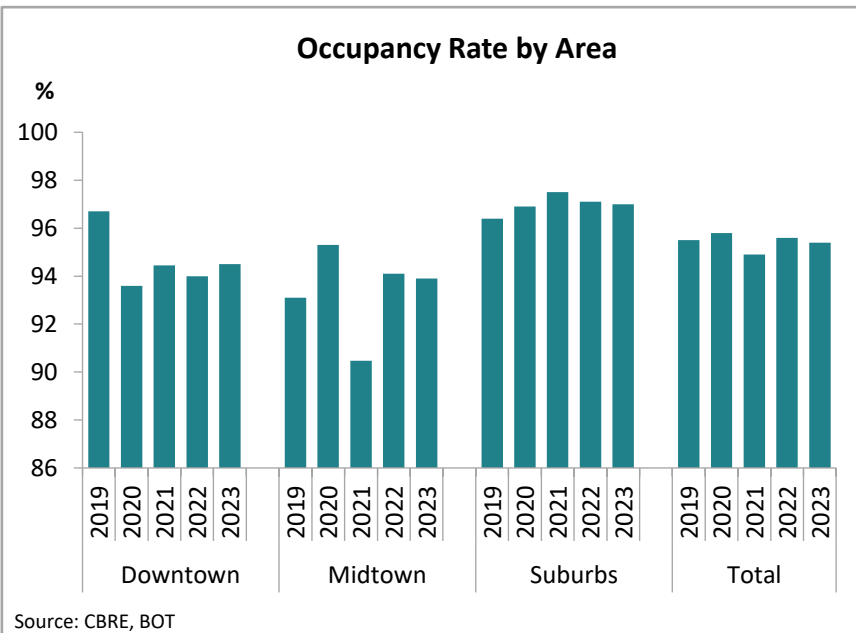
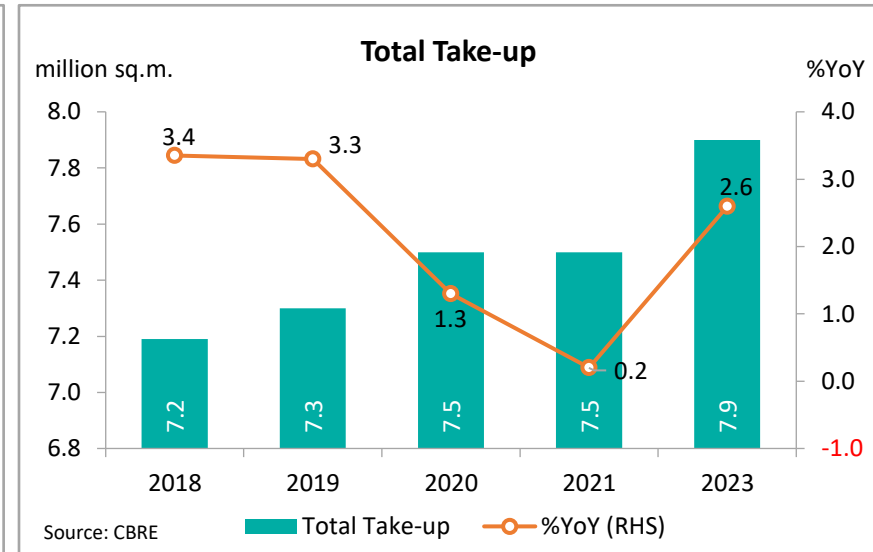
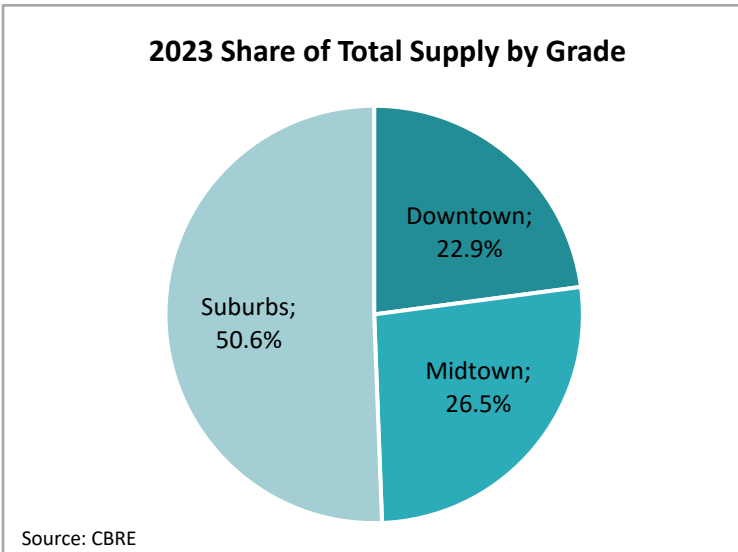
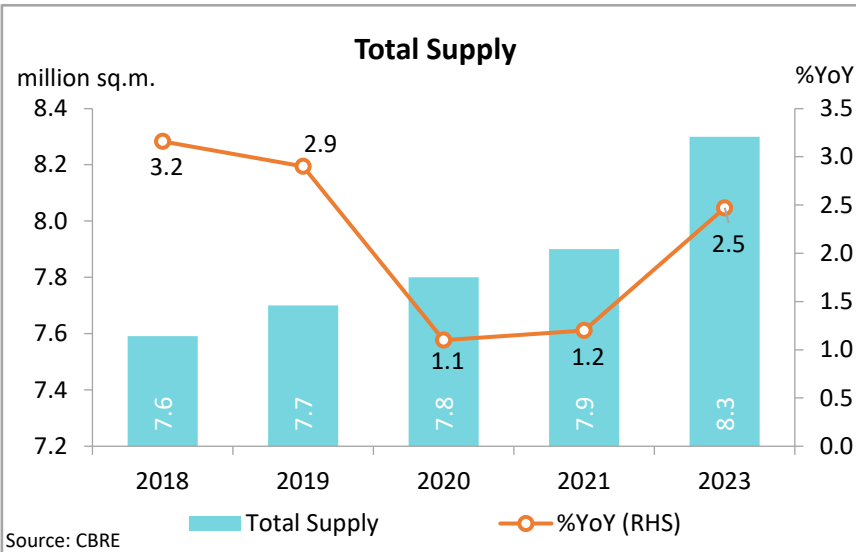
Note: based year 2011 = 100

Source: BOT

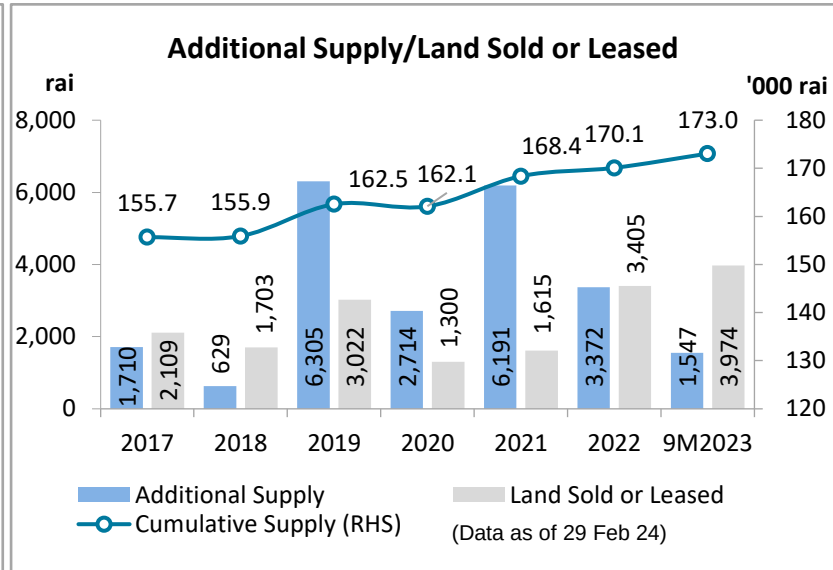
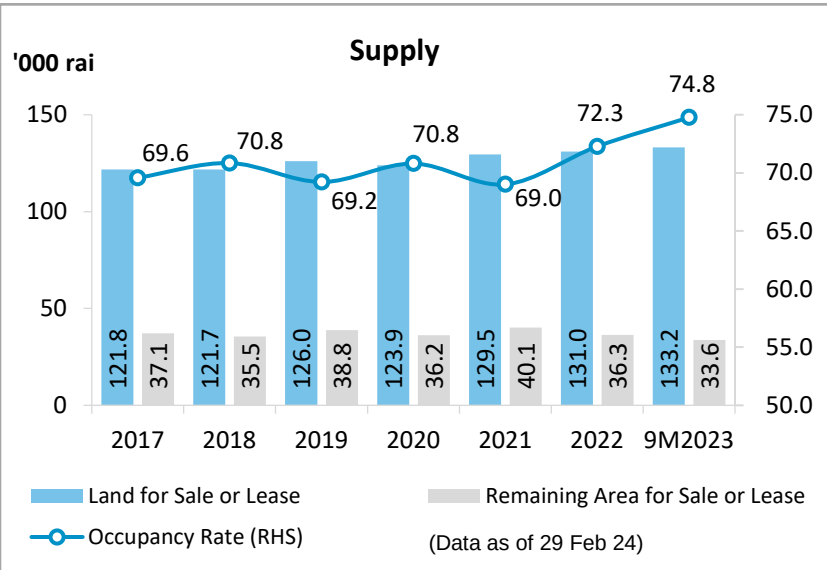
17. Office Building in BMR (อาคารสำนักงานให้เช่า)



18. Retail Space in BMR (พื้นที่ค้าปลีก)

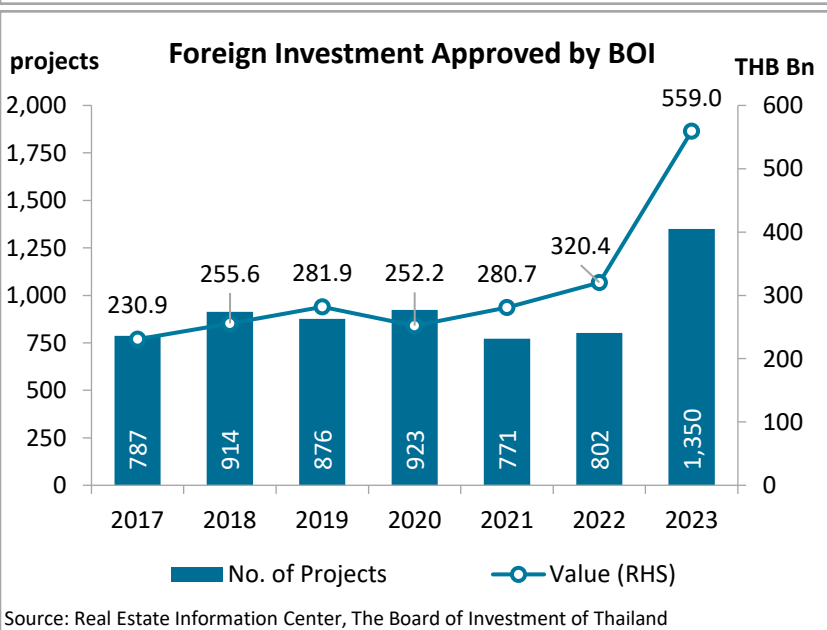


19. Industrial Estate (นิคมอุตสาหกรรม)



Additional Supply (rai)								
Year	BKK& Vicinity	North	Central	East	NE	West	South	Total
2021	-	-	-	6,191	-	-	-	6,191
2022	-	-	-	3,372	-	-	-	3,372
9M23	-	-	-	1,547	-	-	-	1,547

Land Sold or Leased (rai)								
Year	BKK& Vicinity	North	Central	East	NE	West	South	Total
2021	117	-	113	1,325	60	-	-	1,615
2022	258	17	-	2,935	16	20	159	3,405
9M23	317	-	43	3,529	60	25	-	3,974



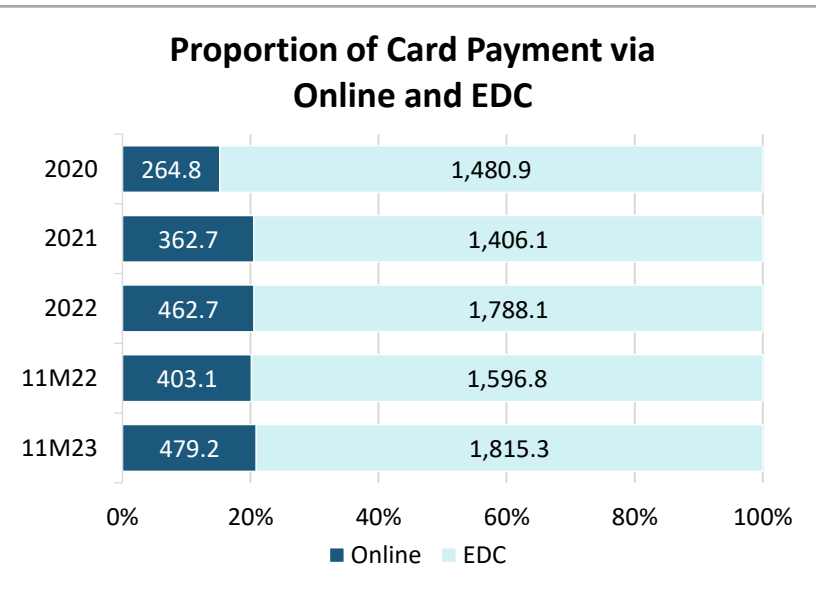
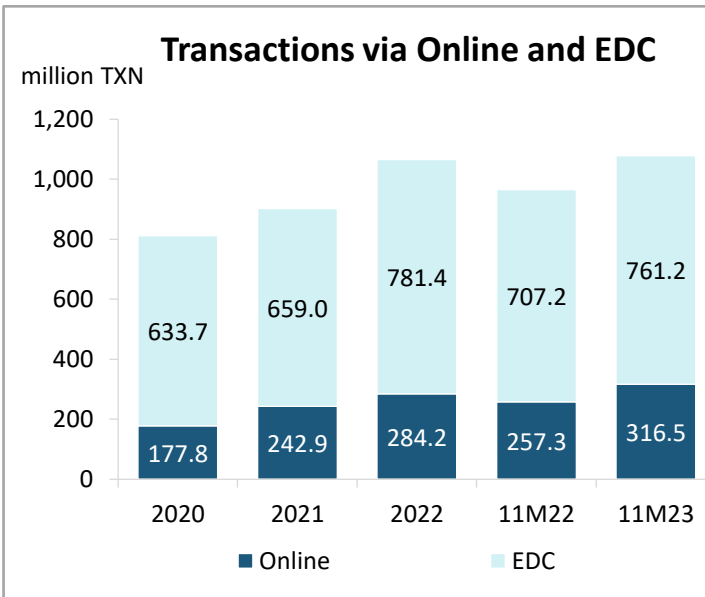
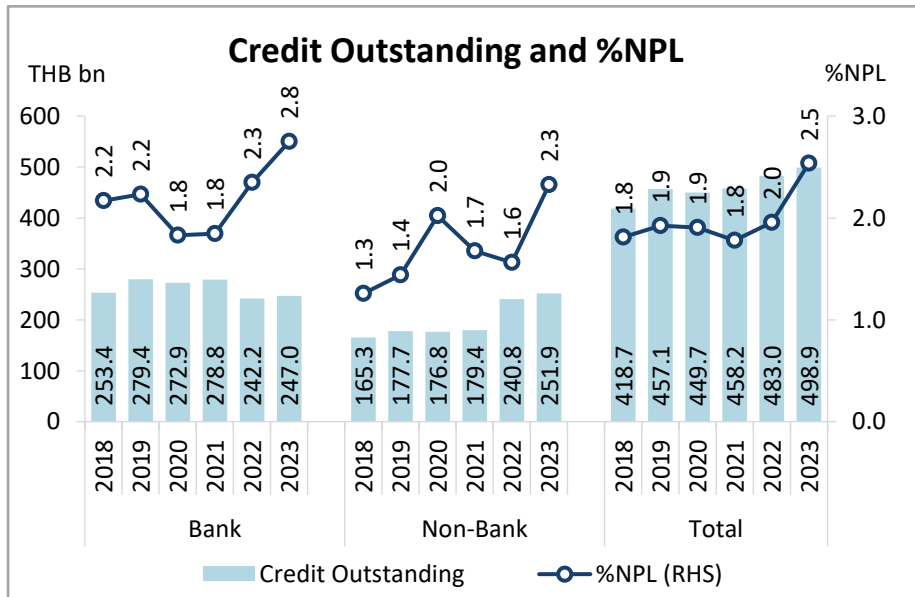
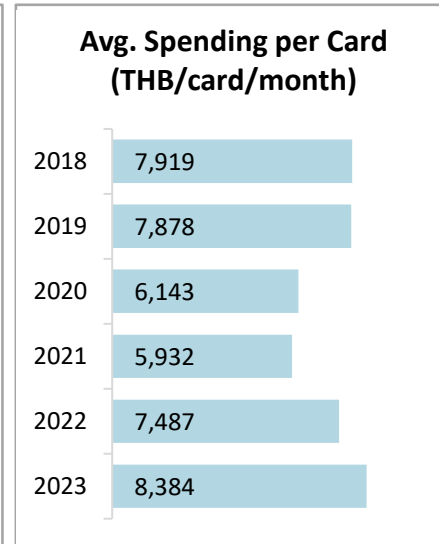
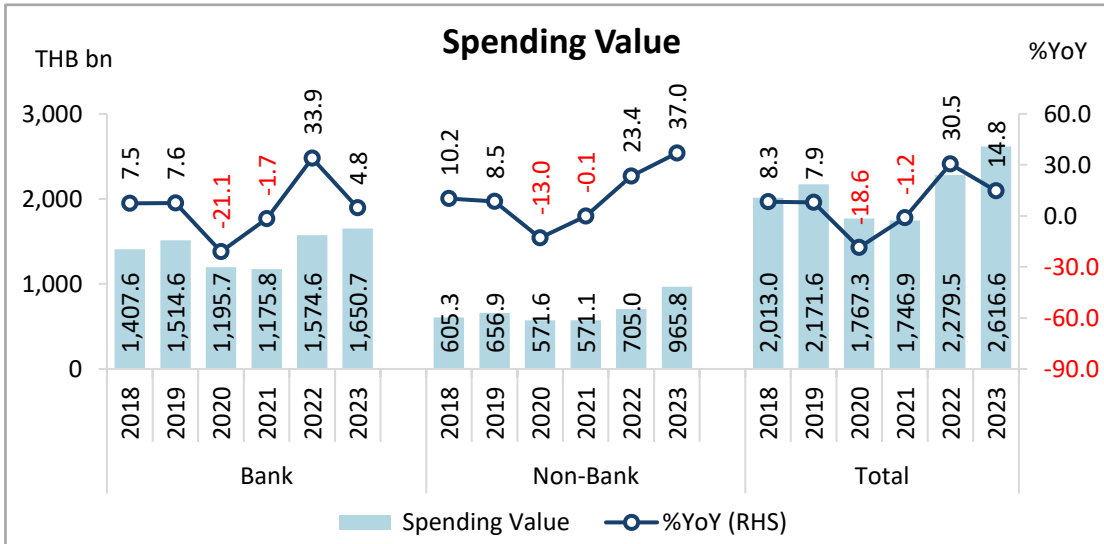
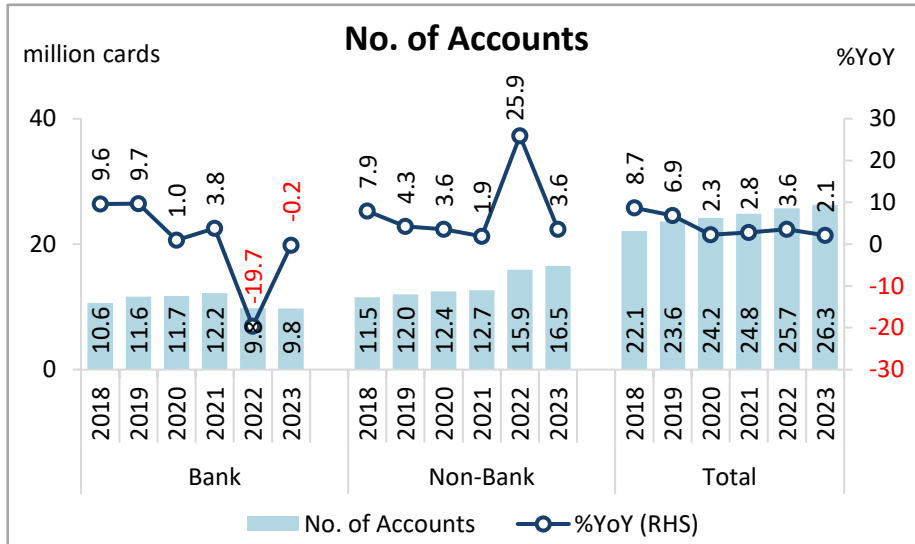
Foreign Investment Projects Classified by Sector		
Sector	2023	
	No. of Projects	Value
Agricultural, Food and Biotechnology Industries	97	36,136
Medical Industry	37	16,257
Machinery and Vehicles Industry	257	80,522
Electrical Appliances and Electronics industry	201	267,401
Metal and Material Industry	176	44,862
Chemical and Petrochemical Industry	117	36,312
Public Utilities	131	15,947
Digital Industry	102	13,390
Creative Industry	72	8,110
High Value Service	160	40,071
Total	1,350	559,009

Top 10 Foreign Investment 2023 Approved by BOI			
Ranking	Country	No. of Projects	Value (THB Mn)
1	PRC	347	124,782
2	Singapore	194	99,310
3	U.S.A	37	87,994
4	Japan	275	65,472
5	Taiwan	94	47,417
6	South Korea	26	21,434
7	Hong Kong	84	20,027
8	Netherlands	67	13,300
9	France	24	7,830
10	Germany	27	6,230

Source: Real Estate Information Center, The Board of Investment of Thailand

Source: LH Bank Business Research Analysis (Data as of Feb 2024)

20. Credit Card (บัตรเครดิต)

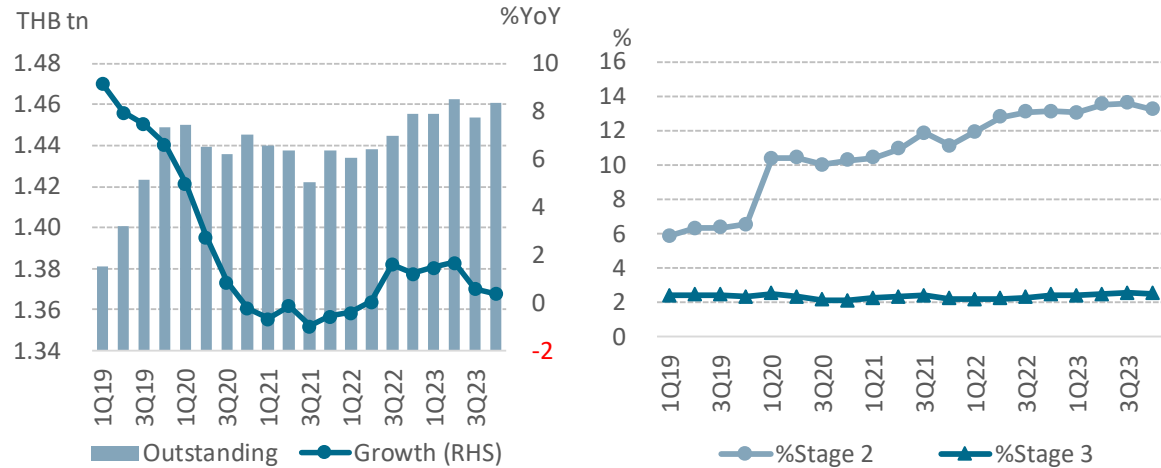


Source: BOT

Note: EDC stands for Electronic Data Capture.

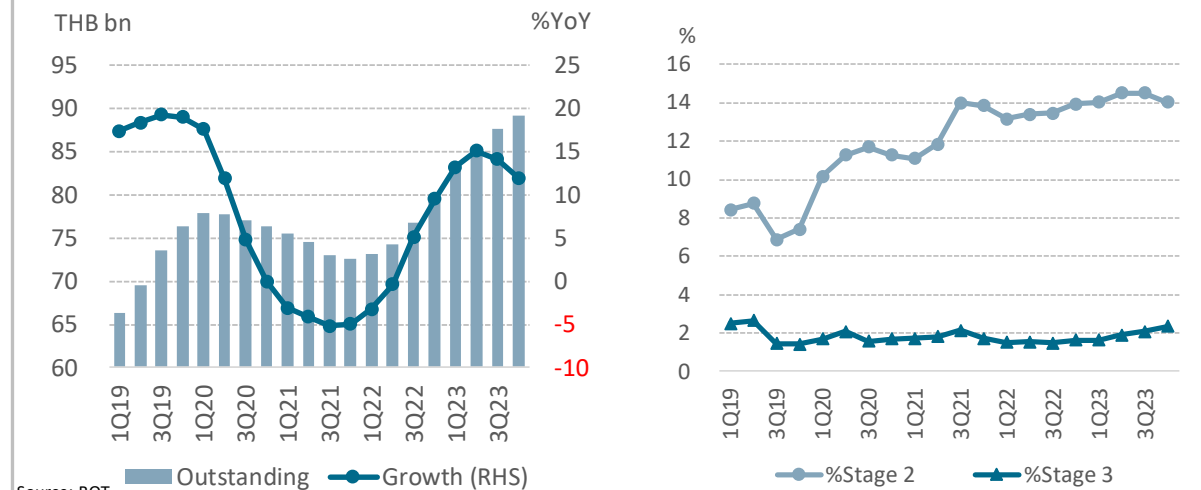
21. Auto Hire-Purchase (เช่าซื้อรถยนต์)

Hire-Purchase Loan Outstanding & Quality



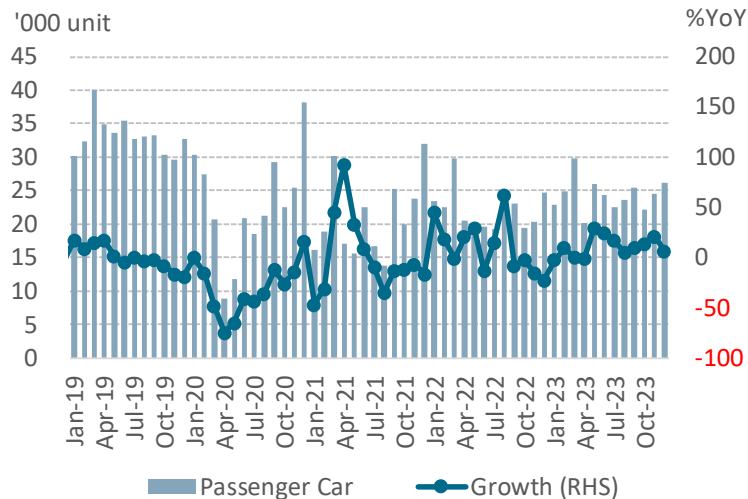
Source: BOT

Title Loan Outstanding & Quality



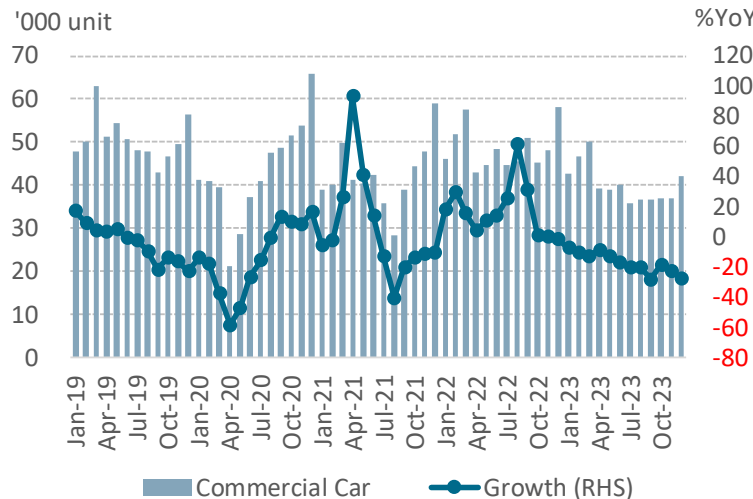
Source: BOT

Passenger Car sales



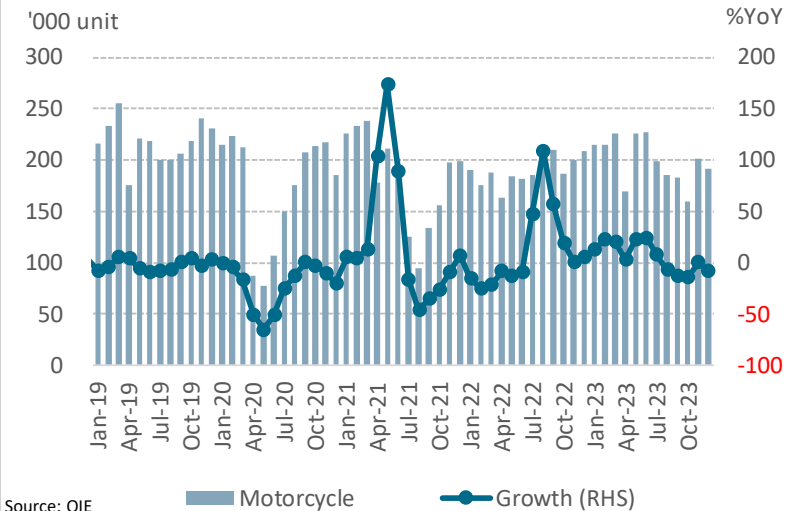
Source: TOYOTA

Commercial Car sales



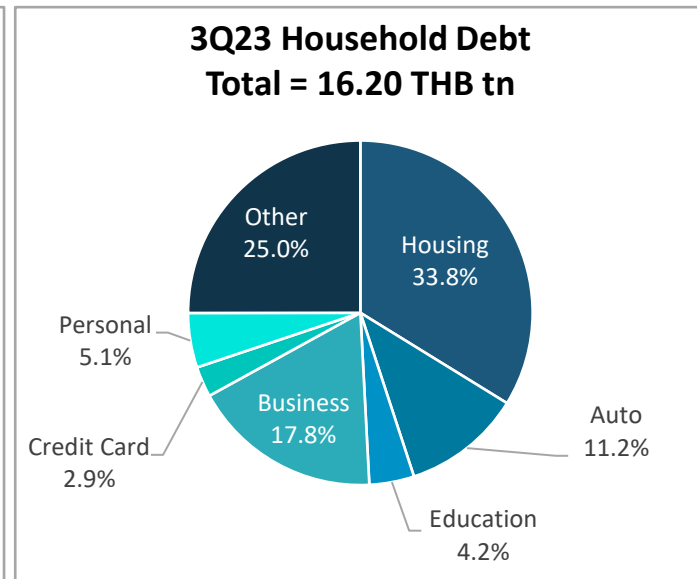
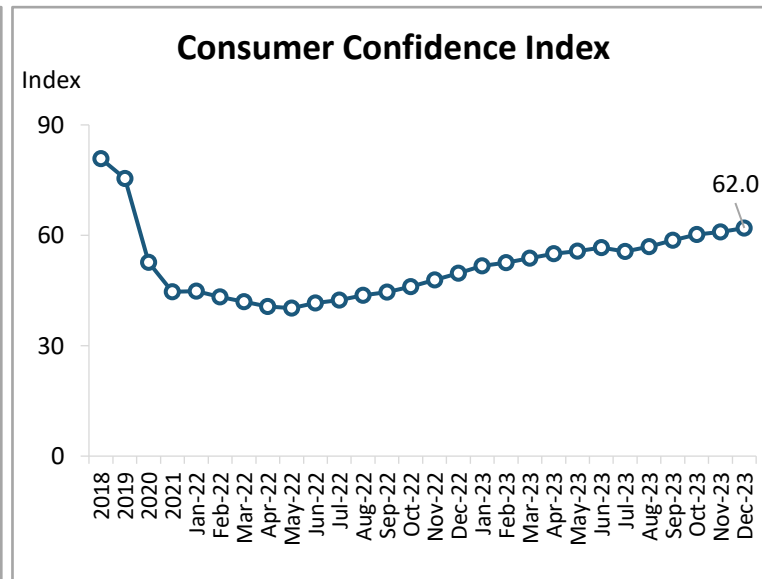
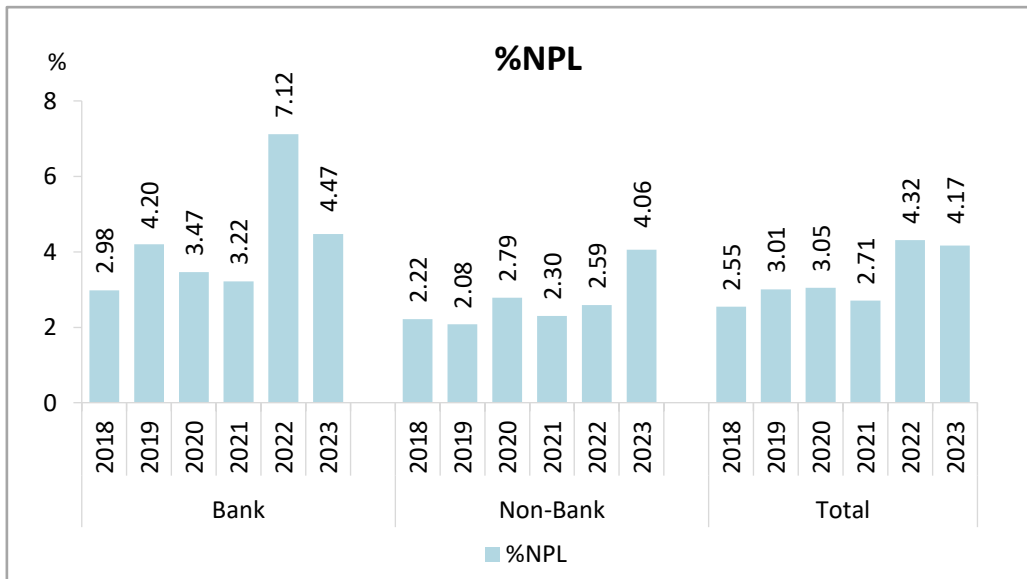
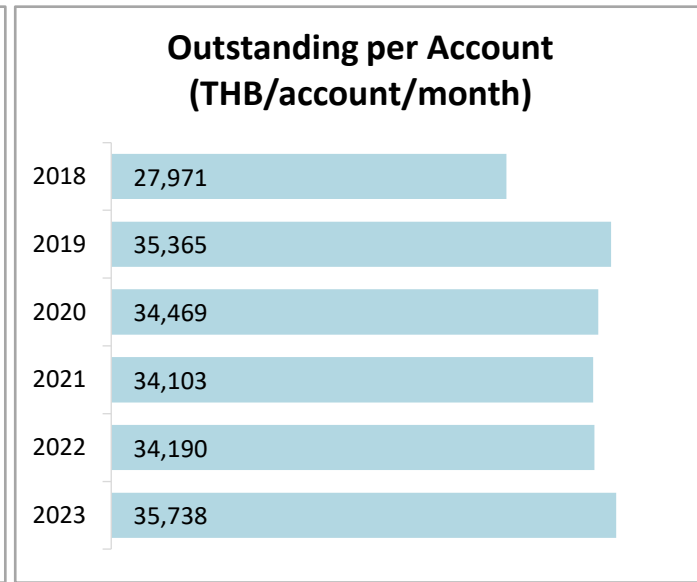
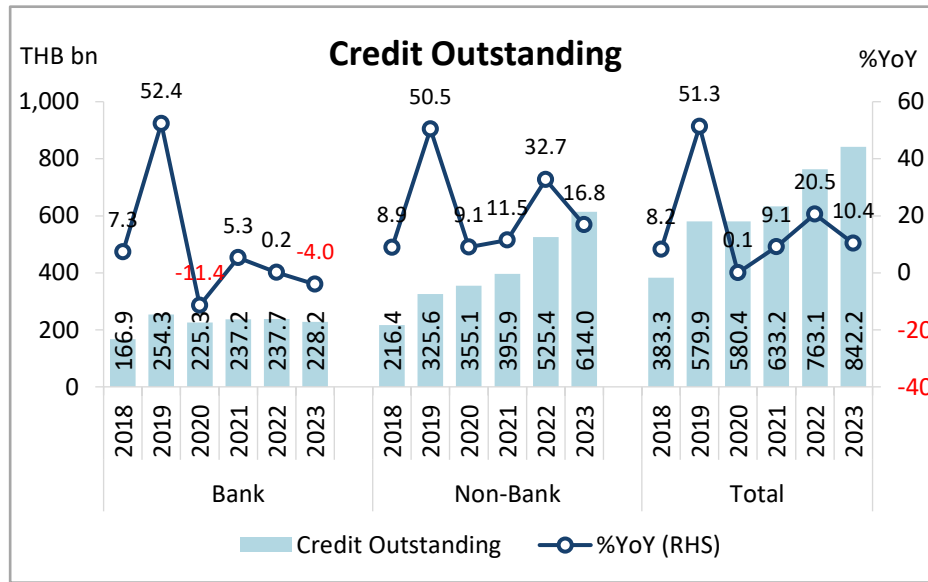
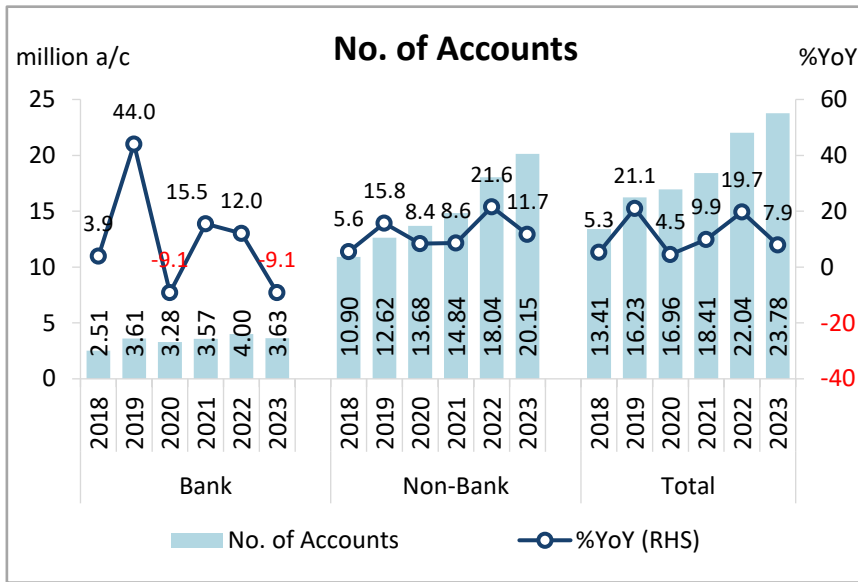
Source: TOYOTA

Motorcycle sales



Source: OIE

22. Personal Loan (สินเชื่อส่วนบุคคล)

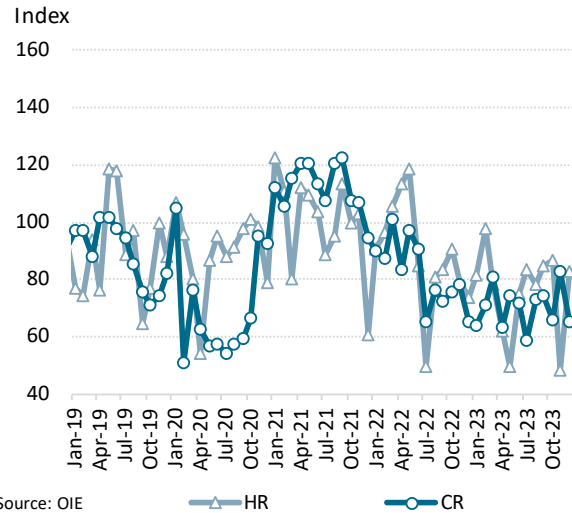


Source: BOT, Center for Economics and Business Forecasting: University of the Thai Chamber of Commerce

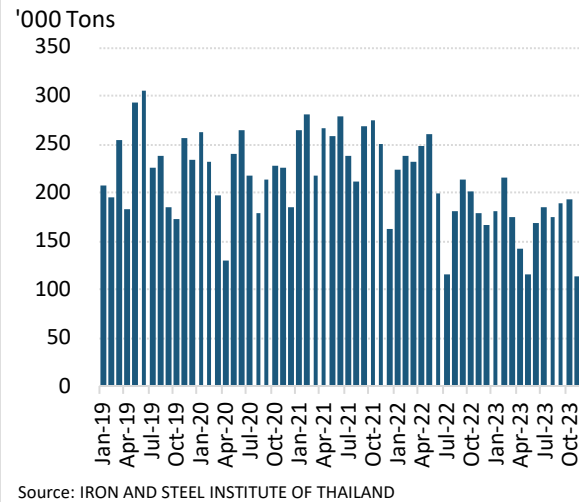
Source: LH Bank Business Research Analysis (Data as of Feb 2024)

23. Hot & Cold Rolled Steel Sheet (เหล็กแผ่นรีดร้อนรีดเย็น)

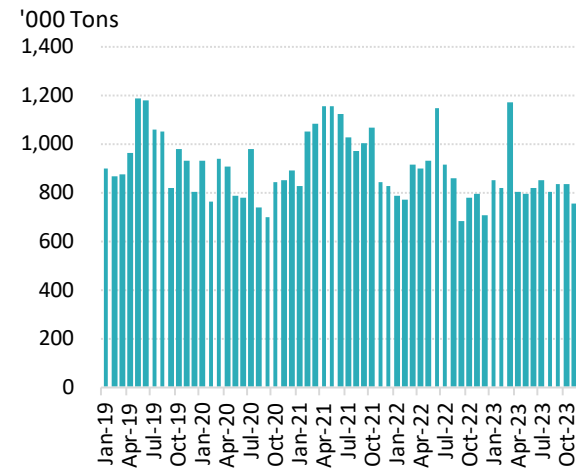
HR & CR Steel MPI



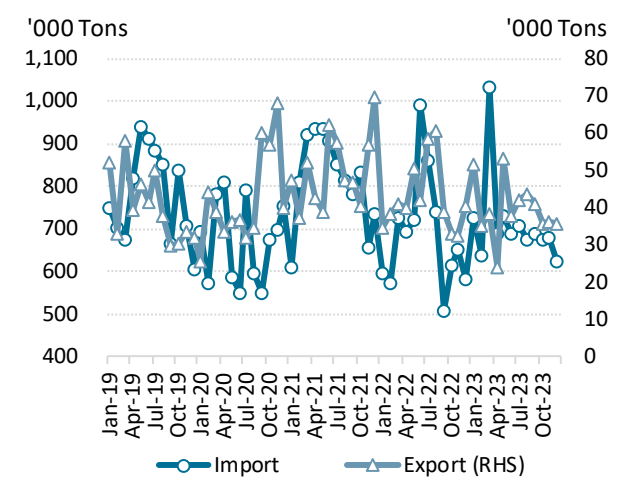
HR & CR Production



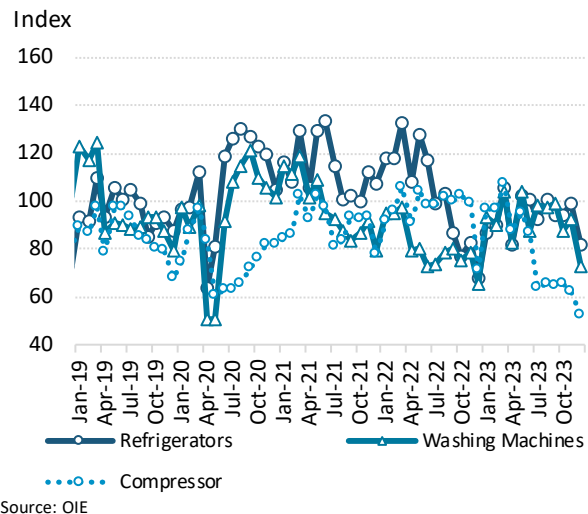
HR & CR Domestic Demand



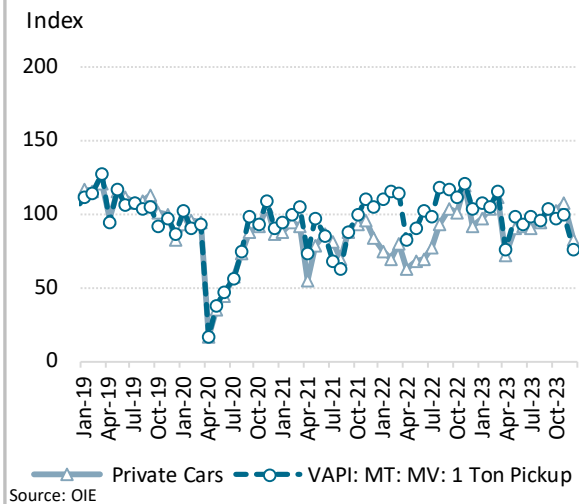
HR & CR Import and Export



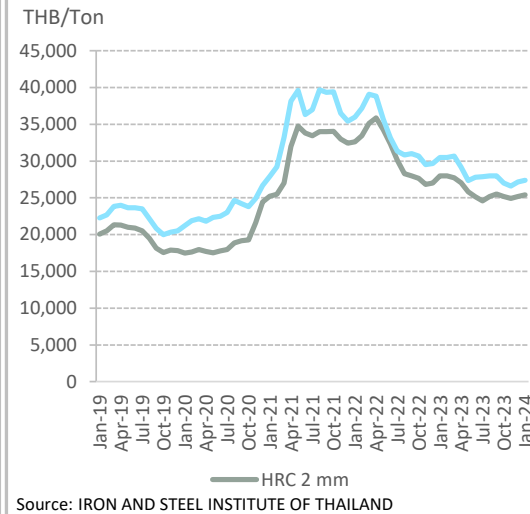
Electrical Appliance MPI



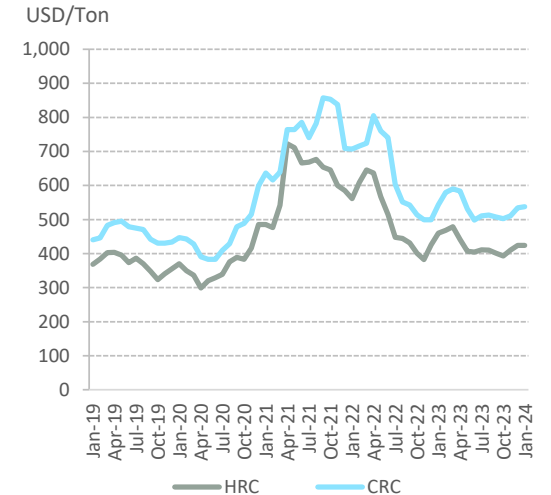
Automobile MPI



Domestic Steel Price

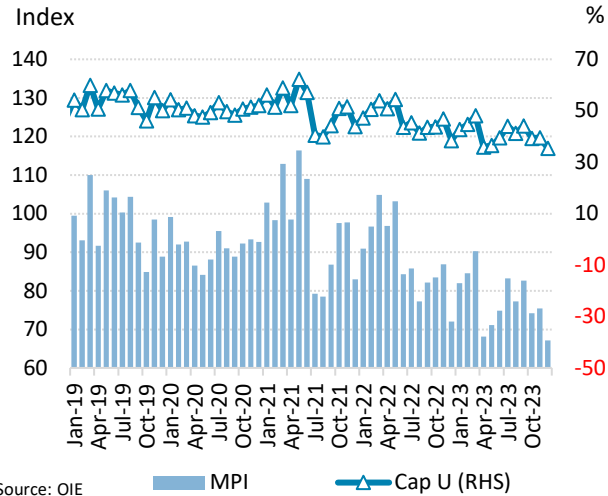


Global Steel Price

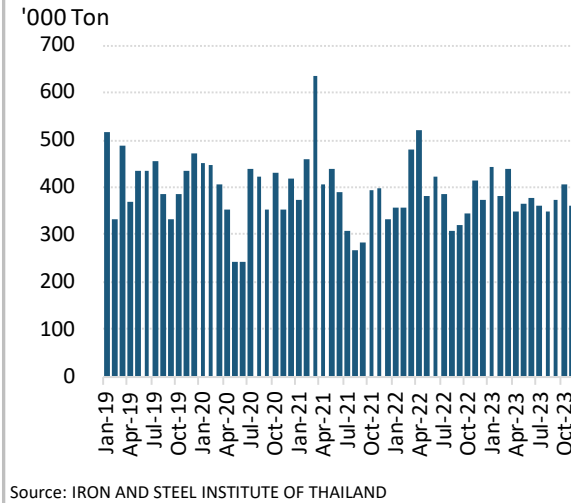


24. Long Product Steel (เหล็กทรงยาว)

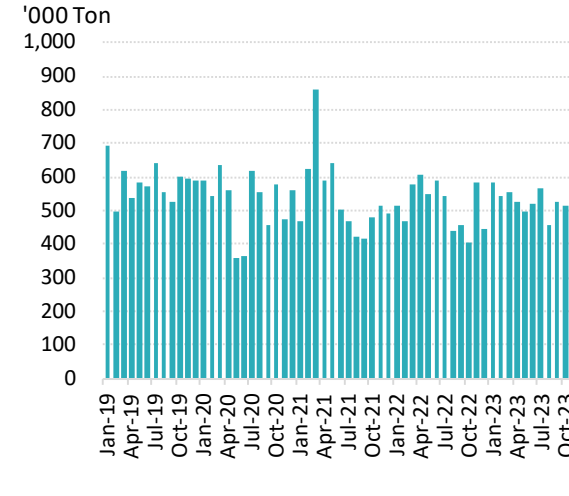
MPI & Capacity Utilization



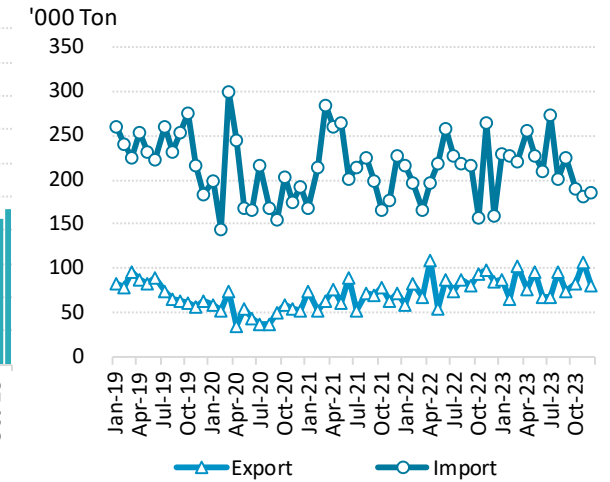
Production



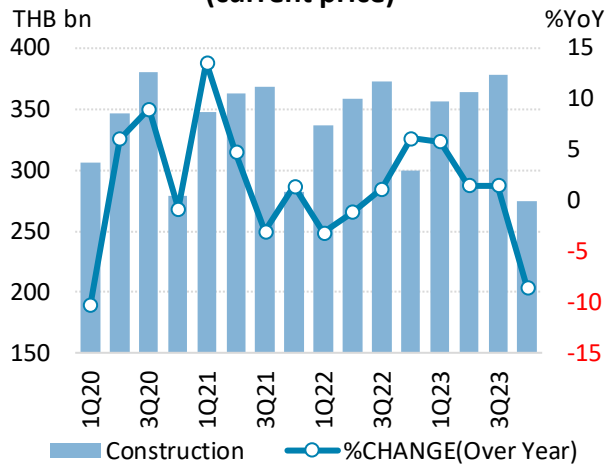
Domestic Demand



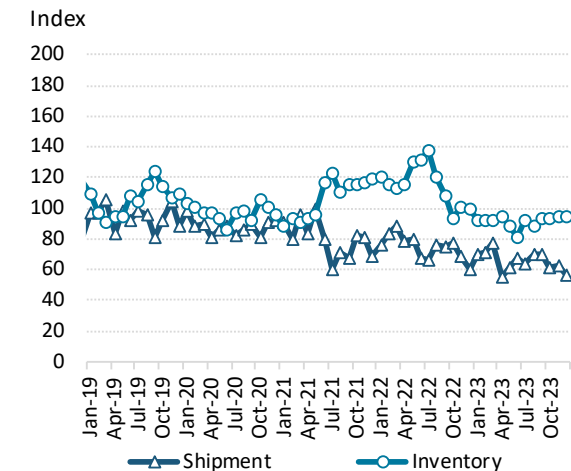
Import and Export



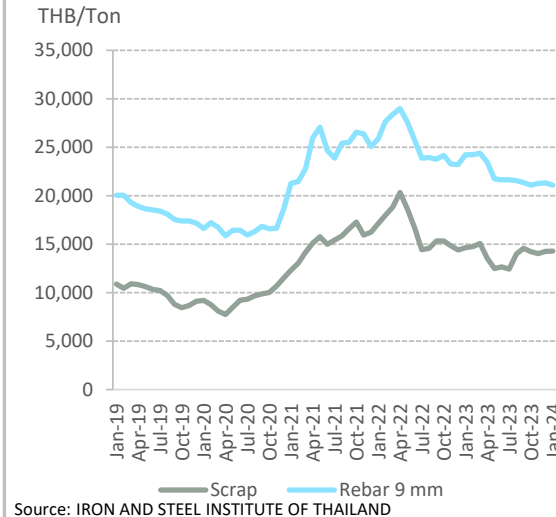
Construction Gross Fixed Capital (current price)



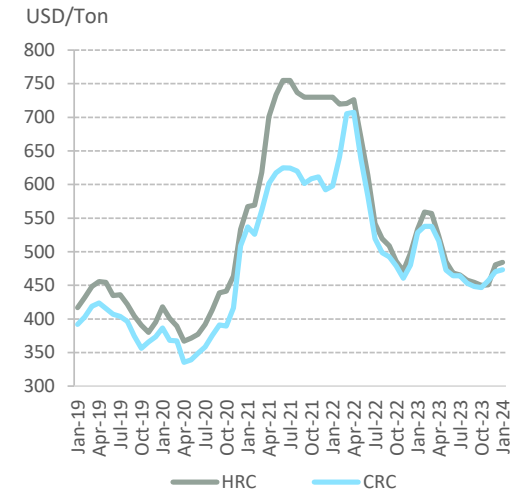
Shipment & Inventory index



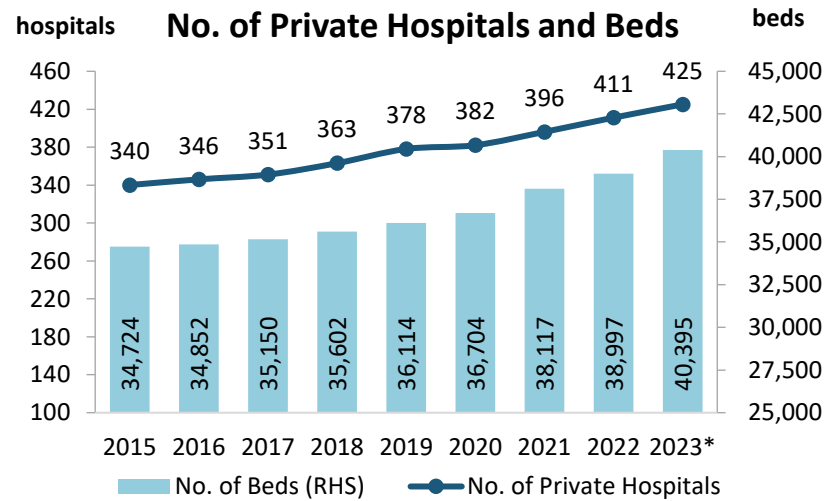
Domestic Price



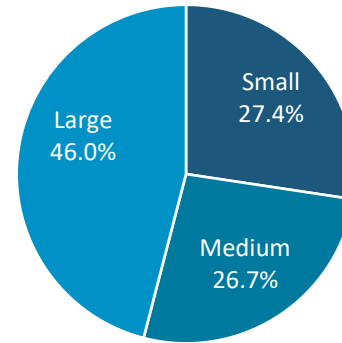
Global Steel Price



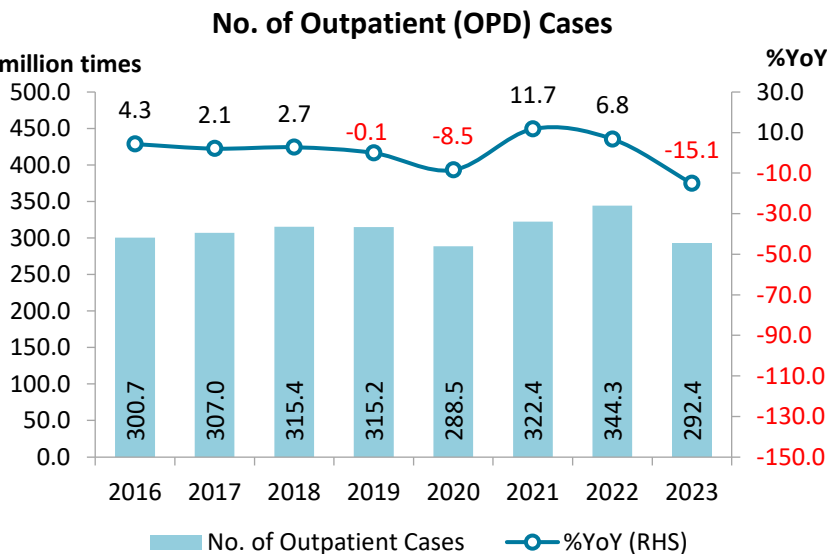
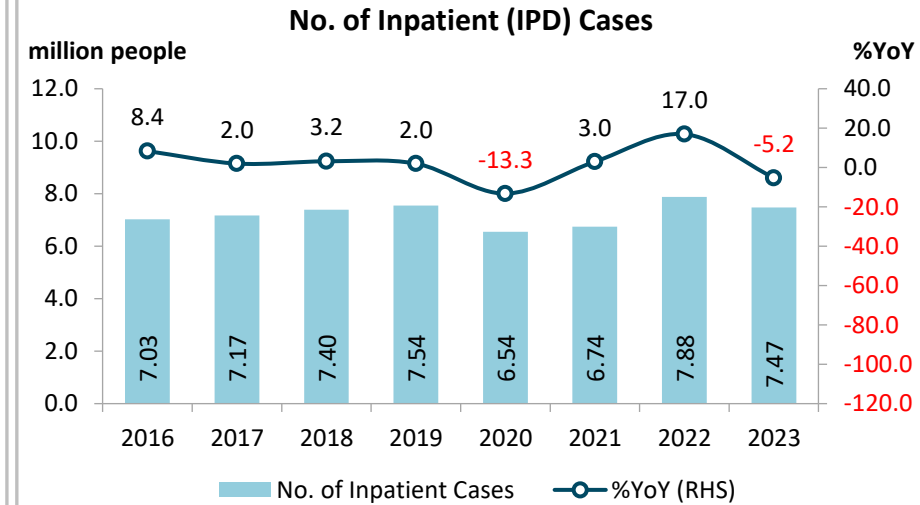
25. Private Hospitals (โรงพยาบาลเอกชน)



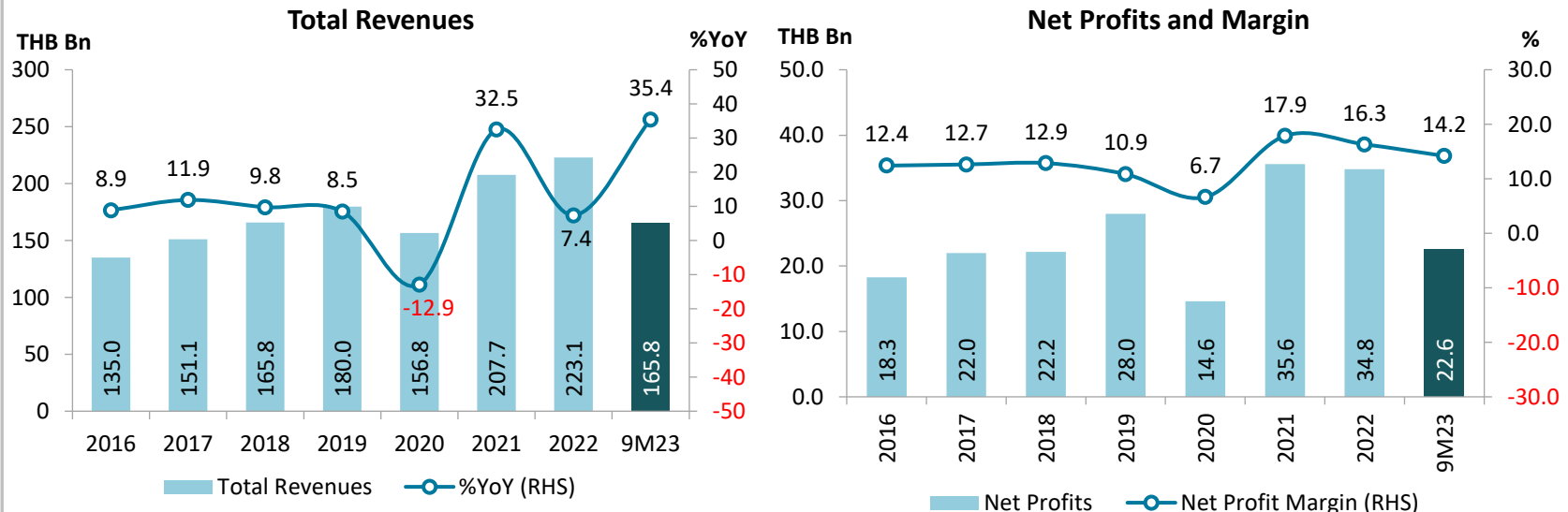
Share of Private Hospitals by Size (2022)**



Remark: small size (1-30 beds), medium size (31-200 beds), large size (more than 200 beds)



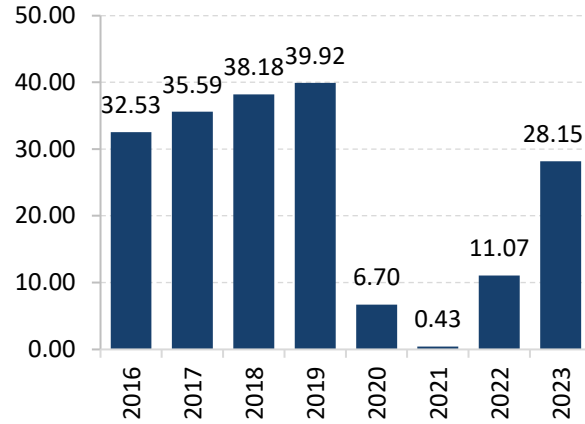
Performance of SET-listed Private Hospitals in Thailand



26. Tourist Accommodation (โรงแรม) [1/2]

International Tourist Arrivals

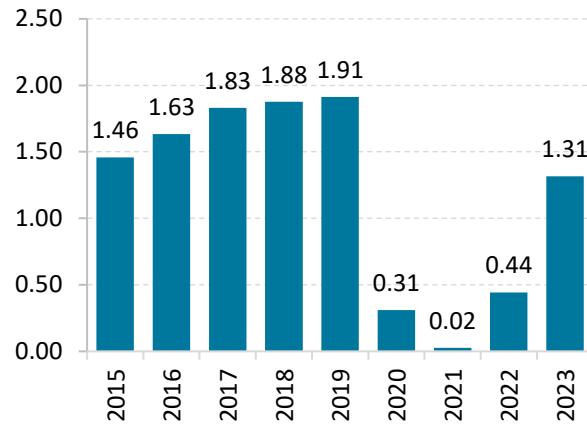
Million Persons



Source : MOTS

Receipts from International Tourist

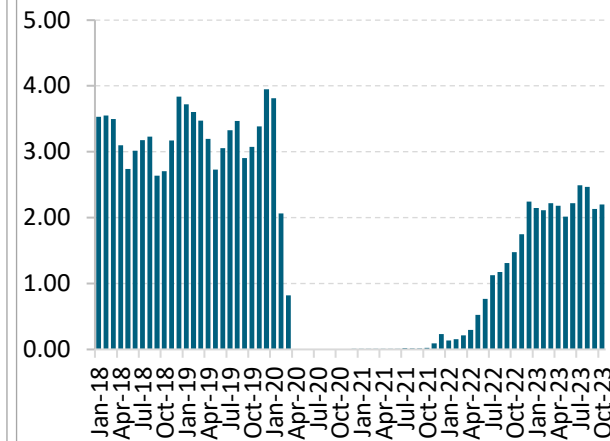
Trillion THB



Source : MOTS

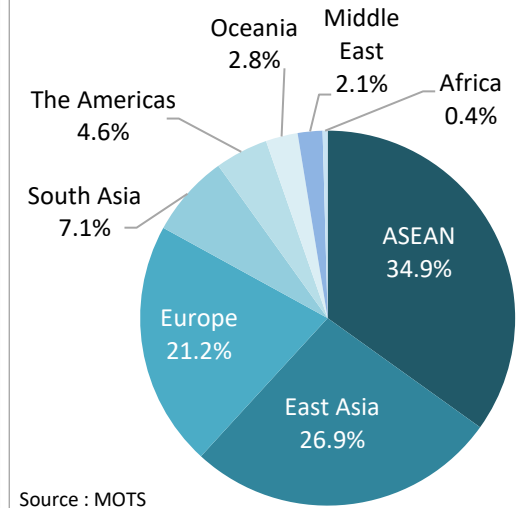
International Tourist Arrivals

Million Persons



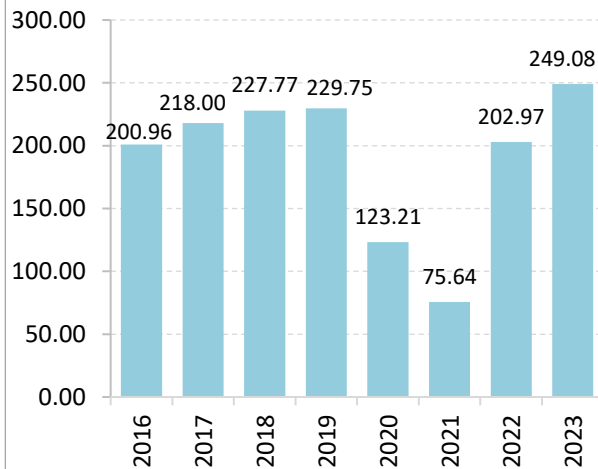
Source : MOTS

Share by region 2023



Source : MOTS

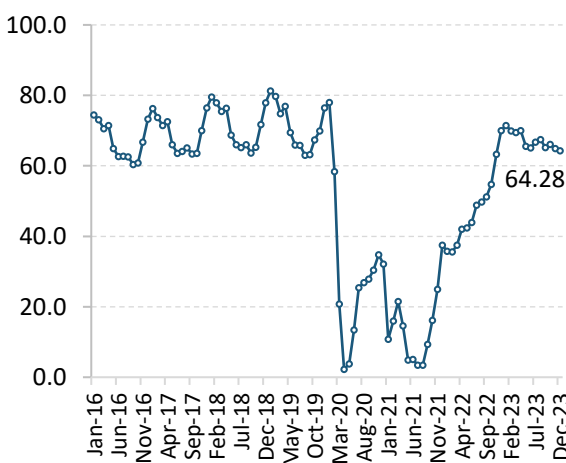
Thai Visitor



Source : MOTS

Occupancy Rate (Nationwide)

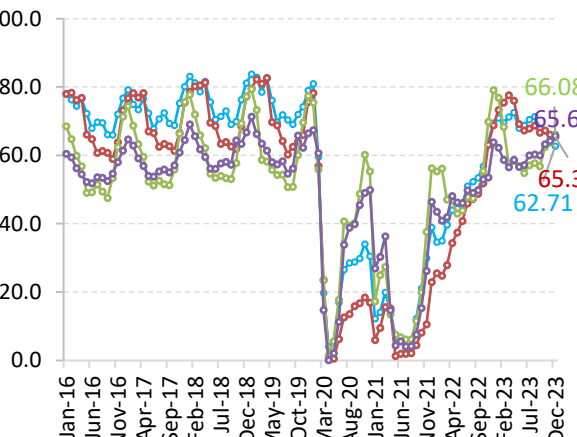
%



Source : BOT

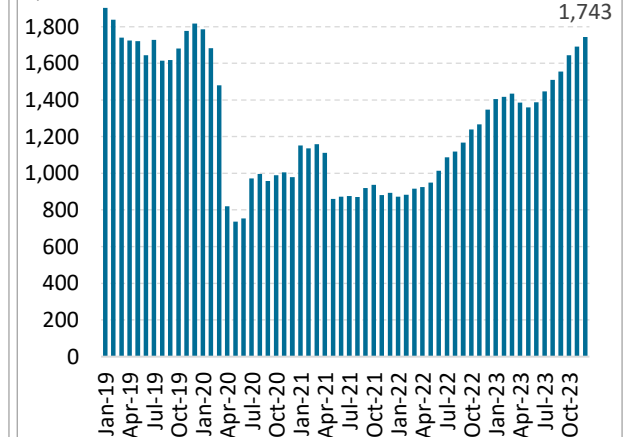
Occupancy Rate (Region)

% Central South North Northeast



Room Rate (Nationwide)

THB/Room



Source : BOT

26. Tourist Accommodation (โรงแรม) [2/2]

International Tourist Arrivals by Region

Million Persons

Region	2019	2020	2021	2022	2023	%YoY
ASEAN	10.69	1.65	0.03	4.59	9.82	114.1
East Asia	16.64	2.09	0.04	1.34	7.58	466.4
Europe	6.72	2.08	0.25	2.64	5.96	125.8
South Asia	2.40	0.32	0.01	1.18	2.00	69.7
Middle East	0.70	0.08	0.03	0.59	1.29	119.6
The Americas	1.63	0.32	0.05	0.37	0.78	111.6
Oceania	0.89	0.14	0.01	0.30	0.60	98.8
Africa	0.20	0.02	0.00	0.06	0.12	91.9
Total	39.87	6.70	0.43	11.07	28.15	154.4

International Tourist Arrivals (thousand persons)

Month	2019	2020	2021	2022	2023
Jan	3,718.5	3,810.2	7.7	128.2	2,144.9
Feb	3,603.7	2,062.0	5.7	151.8	2,113.6
Mar	3,473.1	819.4	6.7	208.1	2,269.7
Apr	3,195.0	0.0	8.5	287.5	2,182.1
May	2,726.8	0.0	6.1	508.2	2,013.9
Jun	3,052.3	0.0	5.7	769.0	2,241.2
July	3,327.2	0.0	18.1	1,134.9	2,490.6
Aug	3,466.5	0.0	15.1	1,188.2	2,468.0
Sep	2,902.7	0.0	12.2	1,259.3	2,130.6
Oct	3,074.1	1.2	20.3	1,467.4	2,197.0
Nov	3,386.4	3.1	91.3	1,721.5	2,637.1
Dec	3,947.3	6.6	230.5	2,241.2	3,261.3
Total	39,873.53	6,702.40	427.87	11,065.23	28,150.02

International Tourist Arrivals (%YoY)

Month	2019	2020	2021	2022	2023
Jan	5.3	2.5	-99.8	1,566.5	1,572.8
Feb	1.5	-42.8	-99.7	2,544.0	1,292.4
Mar	-0.6	-76.4	-99.2	2,988.9	990.7
Apr	3.2	-100.0	n.a.	3,271.0	659.0
May	-0.4	-100.0	n.a.	8,296.8	296.3
Jun	1.3	-100.0	n.a.	13,404.9	191.5
July	4.7	-100.0	n.a.	6,185.6	119.5
Aug	7.4	-100.0	n.a.	7,766.4	107.7
Sep	10.1	-100.0	n.a.	10,190.7	69.2
Oct	13.7	-100.0	1,587.9	7,138.4	49.7
Nov	6.8	-99.9	2,877.3	1,786.5	53.2
Dec	2.9	-99.8	3,415.8	872.3	45.5
Total	4.4	-83.2	-93.6	2,486.1	154.4

Occupancy Rate (%)

Central (Inc.BKK)

Southern

Northern

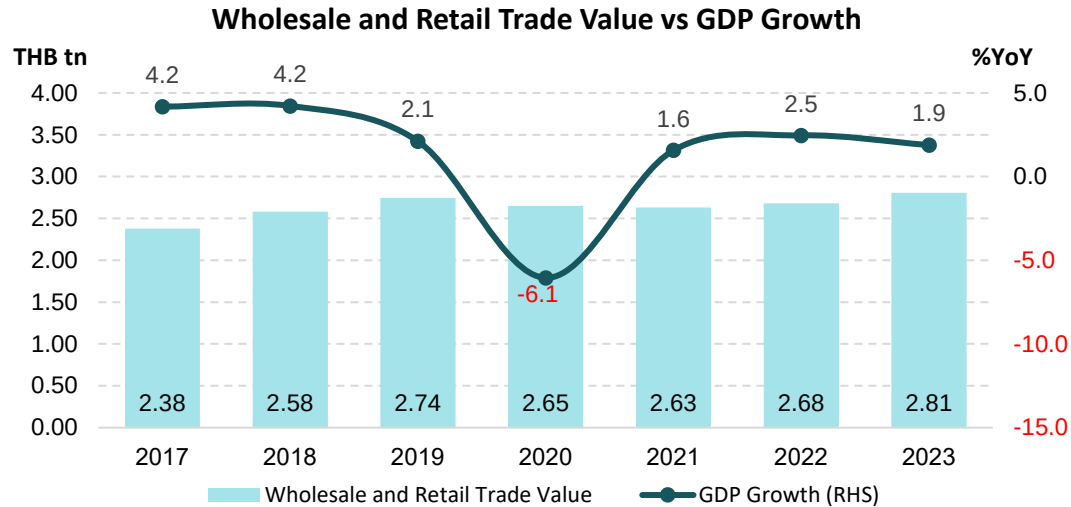
Northeastern

	2019	2020	2021	2022	2023		2019	2020	2021	2022	2023		2019	2020	2021	2022	2023		2019	2020	2021	2022	2023		2019	2020	2021	2022	2023
Jan	81.26	77.97	10.85	35.83	71.44	Jan	83.77	80.97	12.24	34.58	70.90	Jan	79.59	78.24	5.98	25.55	73.26	Jan	79.40	75.47	17.27	55.29	76.82	Jan	71.28	67.38	26.97	43.49	62.24
Feb	79.76	58.39	16.04	35.64	69.89	Feb	82.84	59.55	14.08	35.01	69.57	Feb	82.31	56.91	9.48	24.78	75.47	Feb	73.26	55.84	24.99	56.15	68.33	Feb	66.23	60.60	30.31	40.88	58.72
Mar	74.83	20.82	21.51	37.50	69.51	Mar	78.53	19.73	19.94	39.64	71.20	Mar	80.96	23.57	15.63	27.82	77.57	Mar	58.71	23.40	27.35	47.08	57.45	Mar	63.48	14.74	36.30	41.88	56.52
Apr	76.89	2.26	14.63	42.05	70.06	Apr	82.54	4.01	14.63	44.01	72.57	Apr	82.63	0.86	15.19	34.28	76.01	Apr	58.18	1.45	13.45	46.89	58.36	Apr	61.39	0.05	14.65	48.09	58.63
May	69.51	3.83	4.95	42.38	65.53	May	76.10	5.68	6.61	44.47	67.98	May	69.76	0.54	1.25	37.38	69.14	May	55.78	5.54	7.56	42.94	56.90	May	57.98	2.13	4.33	46.25	56.60
Jun	65.98	13.43	5.15	43.97	65.12	Jun	69.73	16.93	6.58	45.61	68.76	Jun	68.82	6.26	1.95	40.76	67.26	Jun	54.28	17.78	6.75	43.85	54.84	Jun	57.33	11.33	5.54	46.00	57.14
July	65.80	25.41	3.45	48.91	66.73	July	71.89	26.58	3.47	51.02	70.50	July	64.24	12.64	1.90	45.98	67.87	July	54.39	40.72	6.12	47.80	57.07	July	58.32	33.84	4.03	49.81	59.94
Aug	63.04	26.93	3.51	49.76	67.47	Aug	70.38	28.55	3.57	52.30	71.29	Aug	60.22	13.55	2.07	47.28	68.74	Aug	50.69	39.45	6.09	47.42	57.72	Aug	54.67	38.80	4.14	49.04	60.28
Sep	63.25	27.93	9.42	51.22	65.20	Sep	69.09	28.82	12.23	53.42	68.03	Sep	62.47	15.88	4.48	48.76	66.67	Sep	50.84	40.14	11.56	49.84	56.79	Sep	56.13	39.89	7.58	49.74	60.02
Oct	67.37	30.40	16.19	54.73	66.14	Oct	72.01	29.83	21.01	56.78	67.20	Oct	64.01	16.71	8.13	51.87	67.29	Oct	60.10	48.72	19.90	55.39	62.45	Oct	65.78	45.51	15.30	52.92	63.27
Nov	69.93	34.82	25.03	63.32	64.94	Nov	74.18	34.03	29.89	63.80	64.75	Nov	65.94	18.40	10.53	63.05	66.12	Nov	69.65	60.18	37.60	69.86	63.72	Nov	62.20	49.05	26.19	53.50	64.18
Dec	76.47	32.16	37.52	69.99	64.28	Dec	78.96	30.48	38.92	69.44	62.71	Dec	75.62	16.95	22.90	68.82	65.39	Dec	77.44	55.32	56.25	79.06	66.08	Dec	66.48	49.85	46.39	63.85	65.68
Avg.	71.17	29.53	14.02	47.94	67.19	Avg.	75.84	30.43	15.26	49.17	68.79	Avg.	71.38	21.71	8.29	43.03	70.07	Avg.	61.89	38.67	19.57	53.46	61.38	Avg.	61.77	34.43	18.48	48.79	60.27

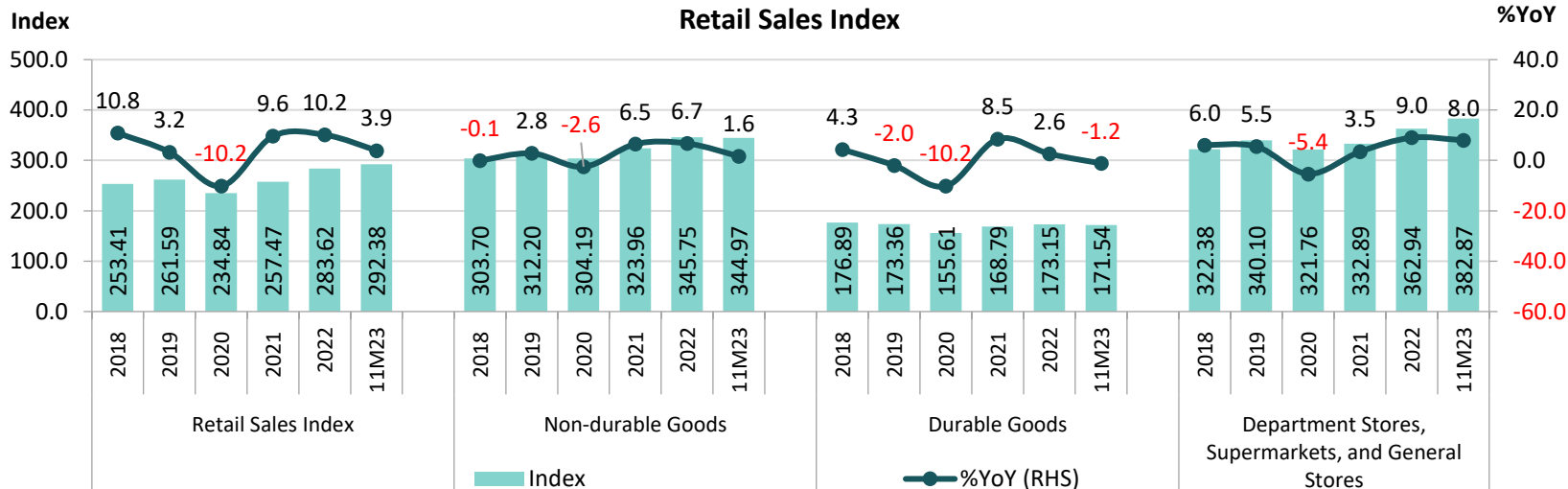
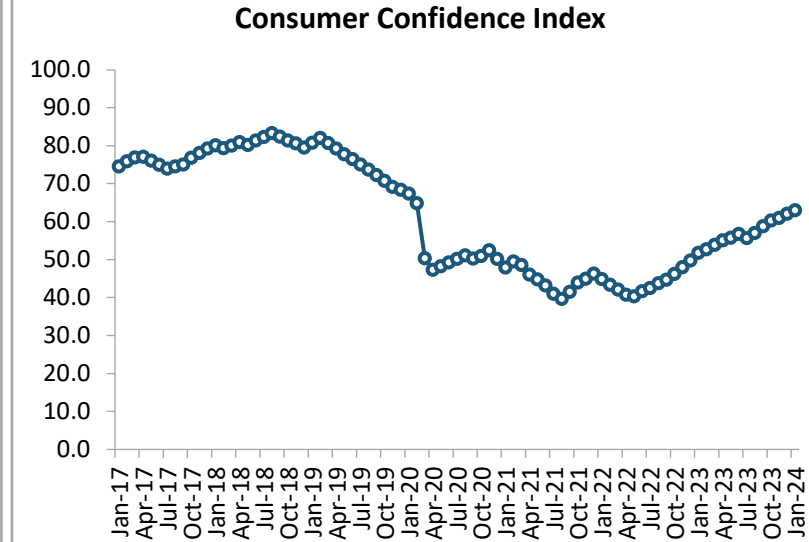
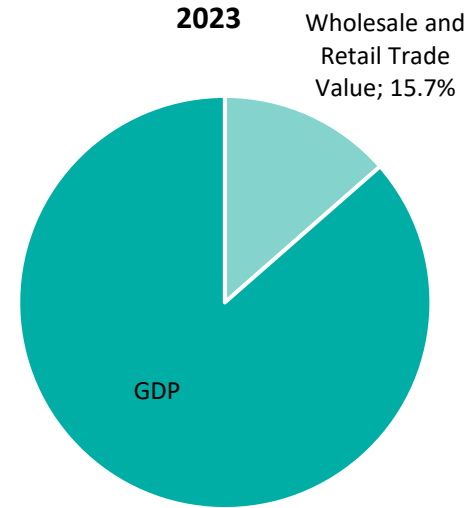
Source : MOTs

Source: LH Bank Business Research Analysis (Data as of Feb 2024)

27. Modern Trade (ร้านค้าปลีกสมัยใหม่)

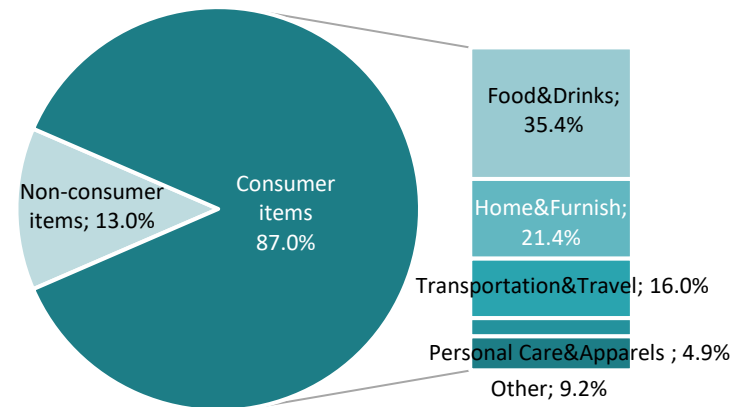


Note: GDP, wholesale and retail trade value at current market prices



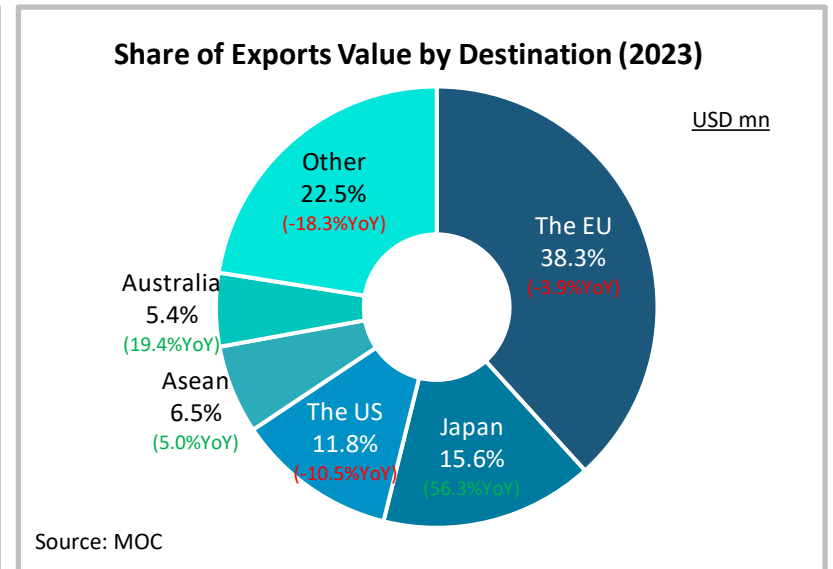
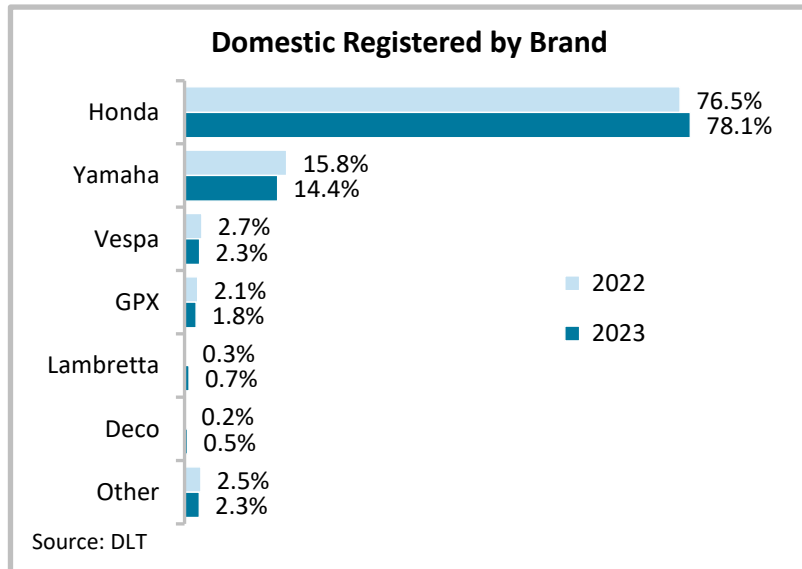
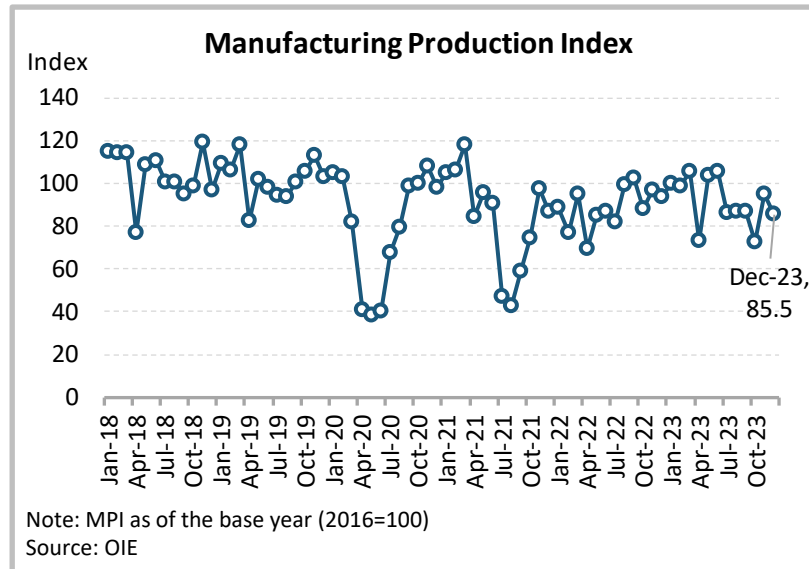
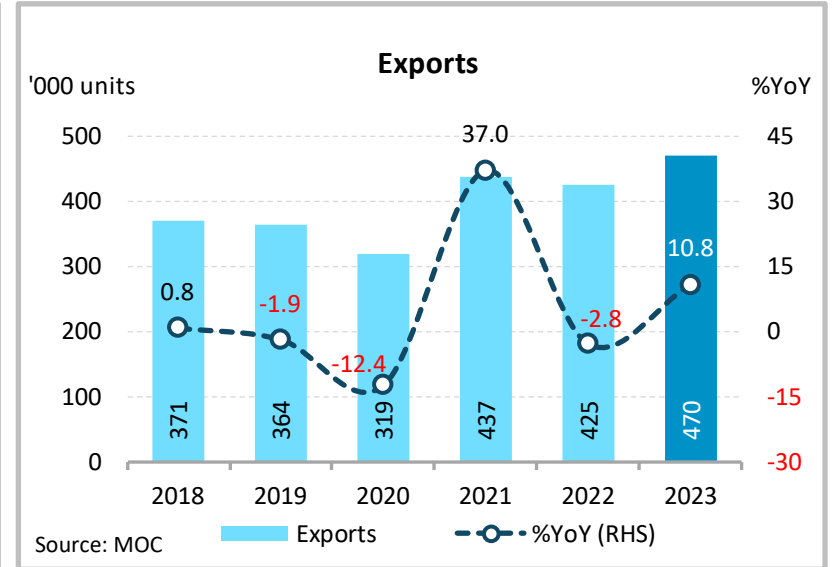
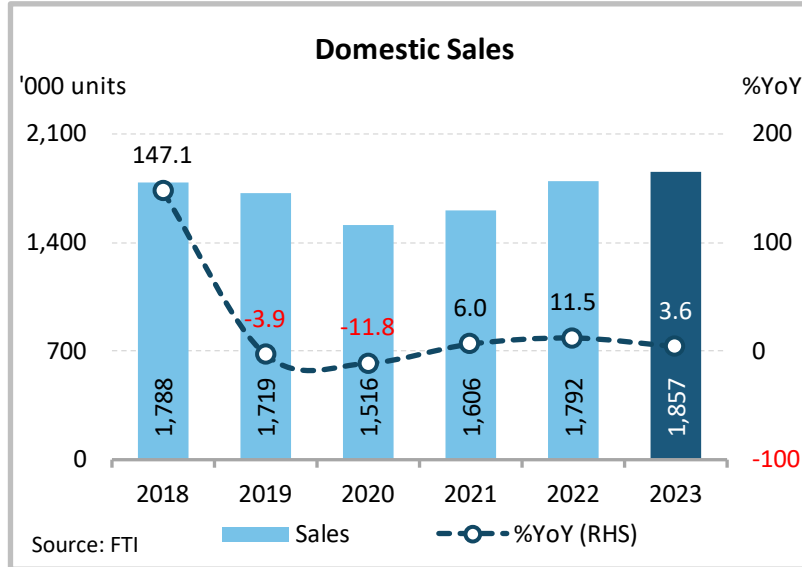
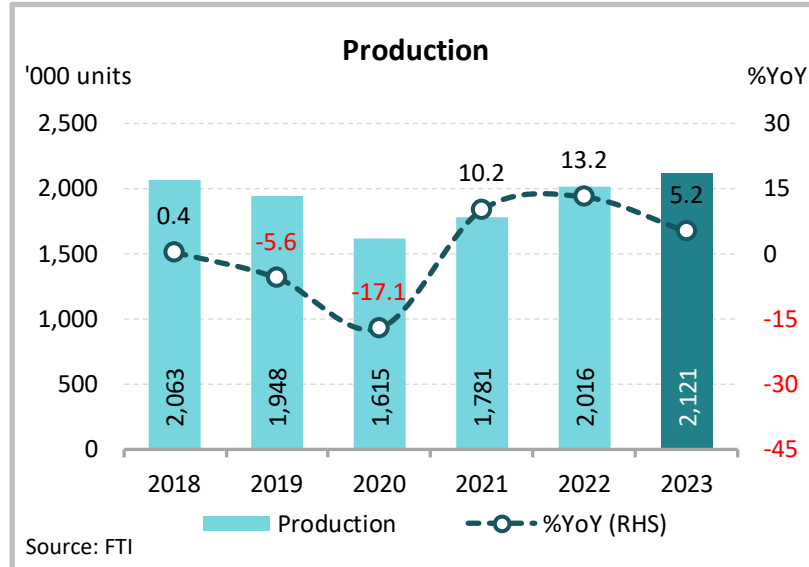
Source: The National Economic and Social Development Council, BOT, National Statistical Office

2021 Monthly Household Expenditure by Type



(Data as of 29 Feb 24)

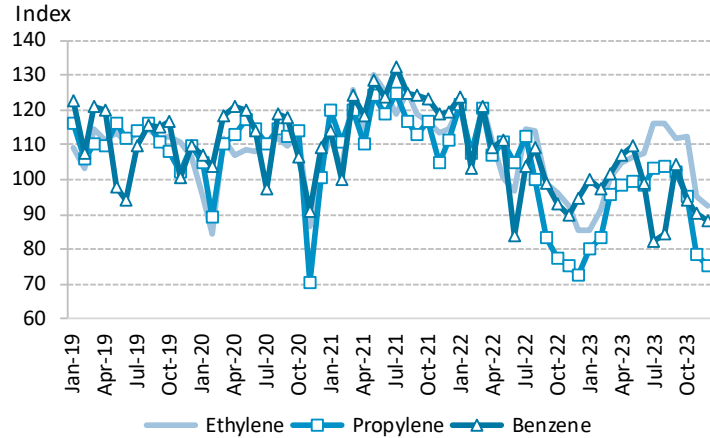
28. Motorcycle (รถจักรยานยนต์)



29. Petrochemicals (ปิโตรเคมี)

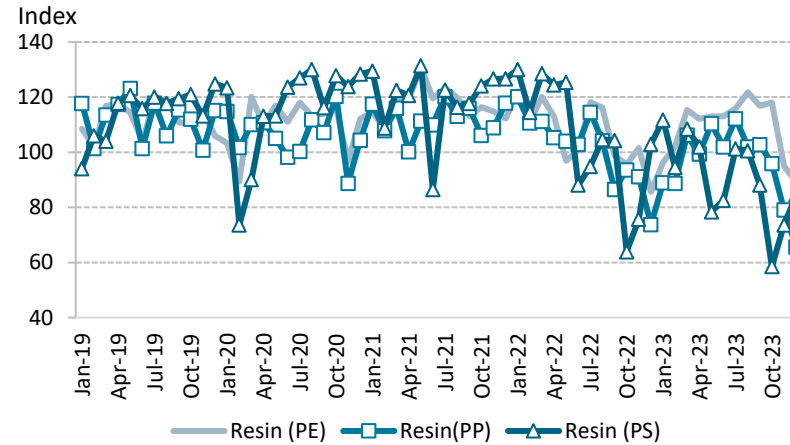
Manufacturing Production Index

Upstream

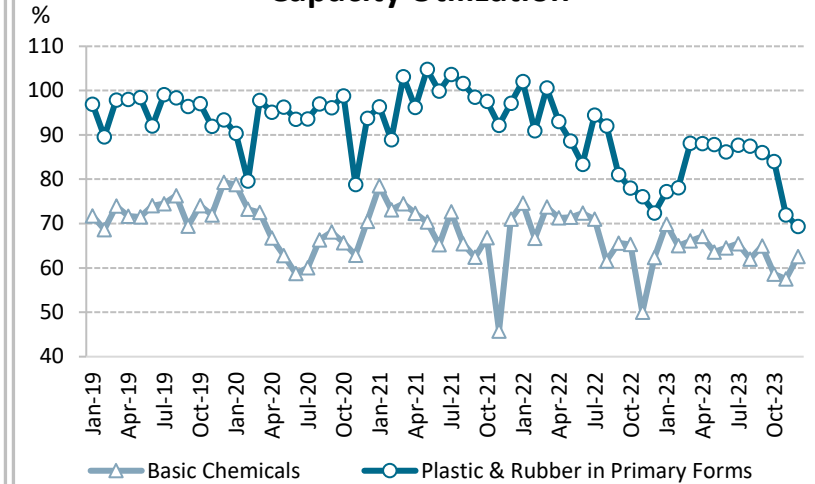


Source: OIE

Downstream

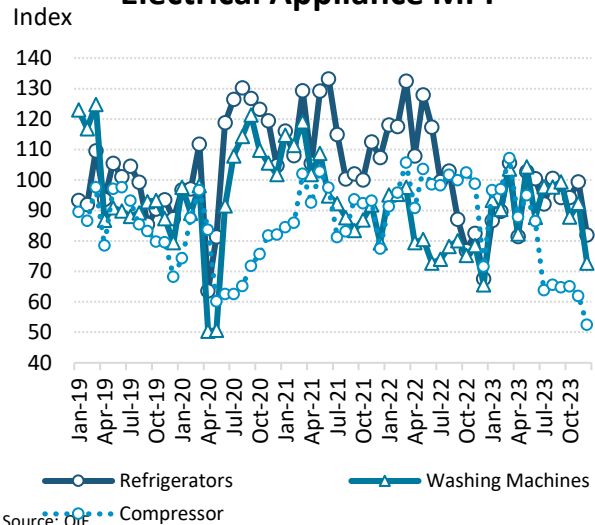


Capacity Utilization



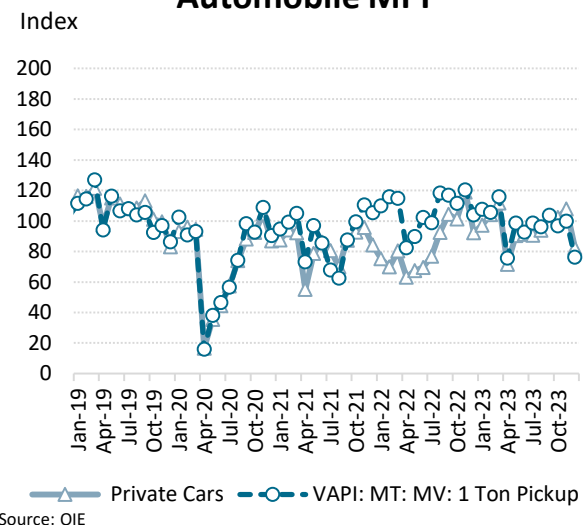
Source: OIE

Electrical Appliance MPI



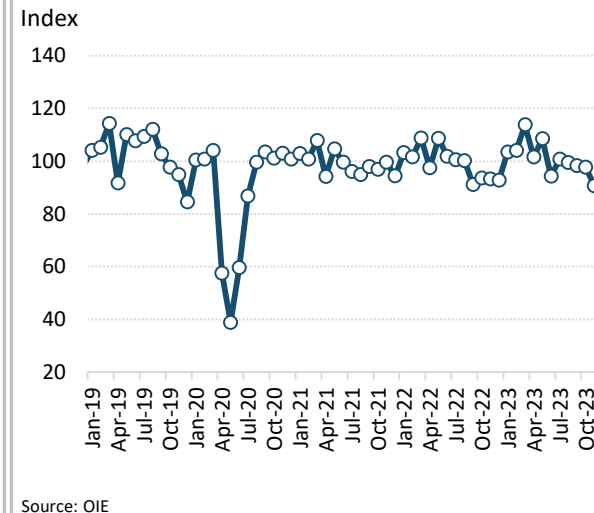
Source: OIE

Automobile MPI



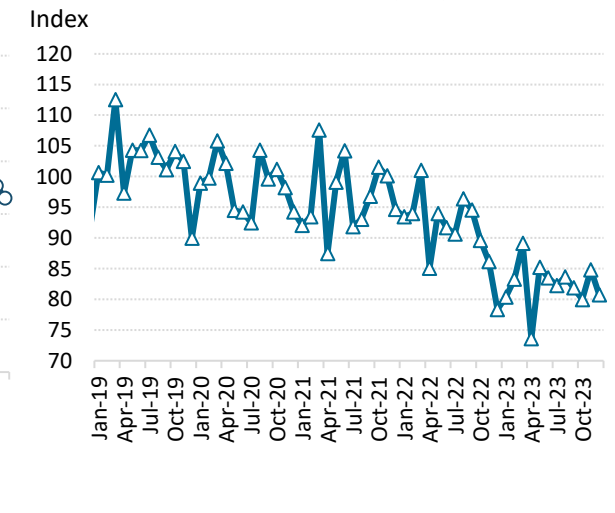
Source: OIE

Tire MPI

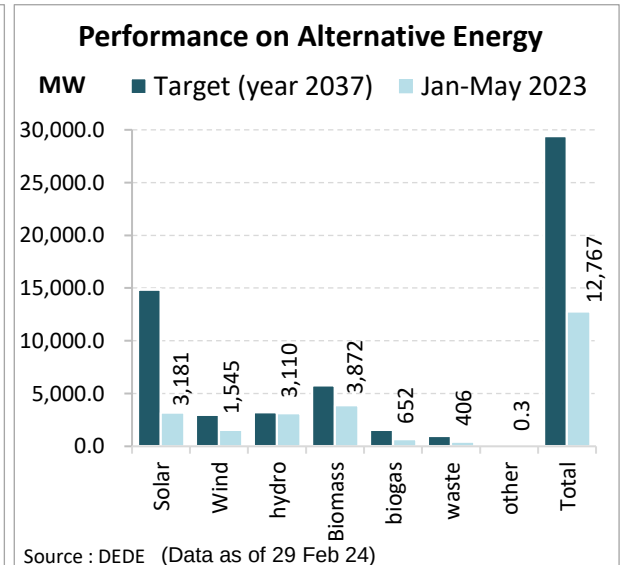
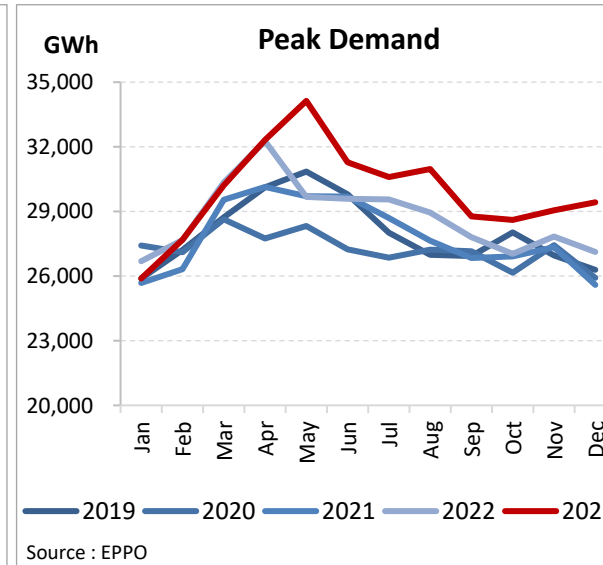
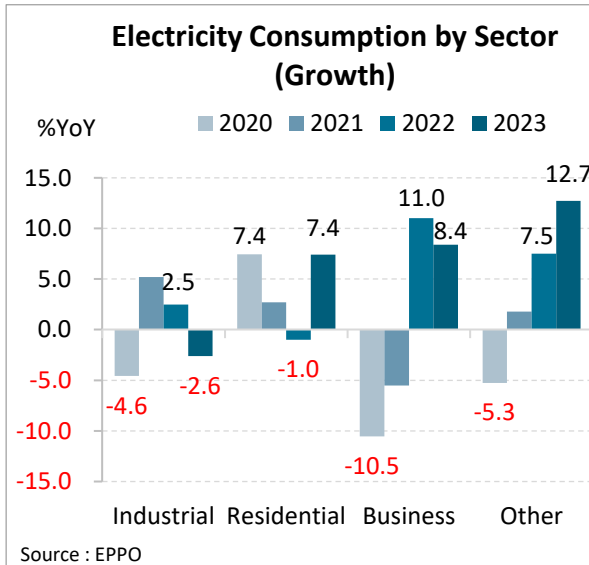
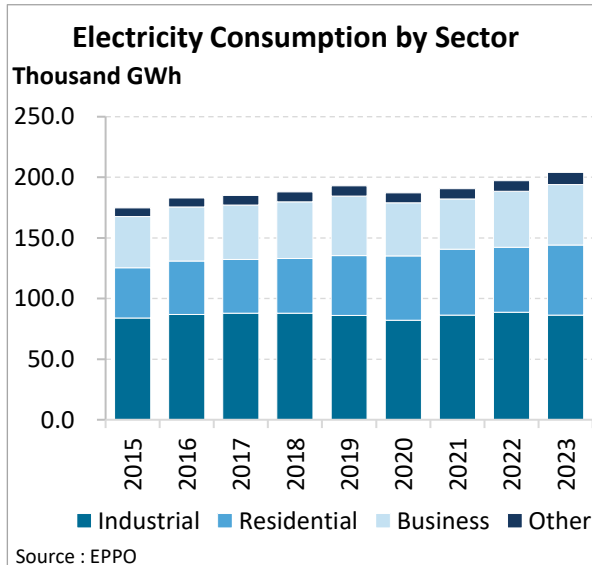
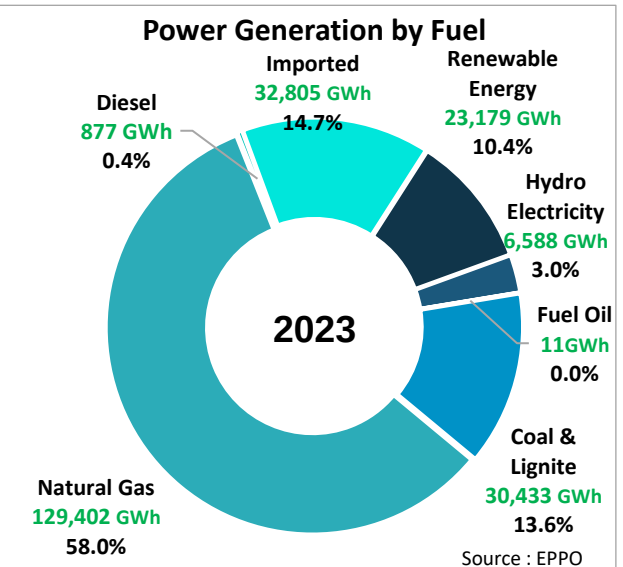
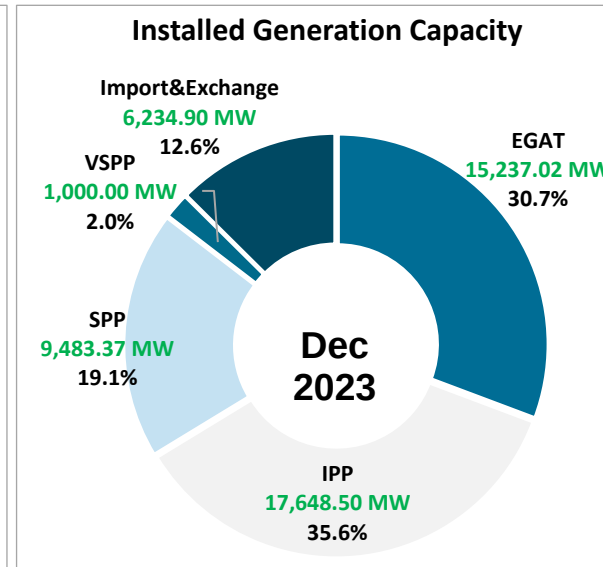
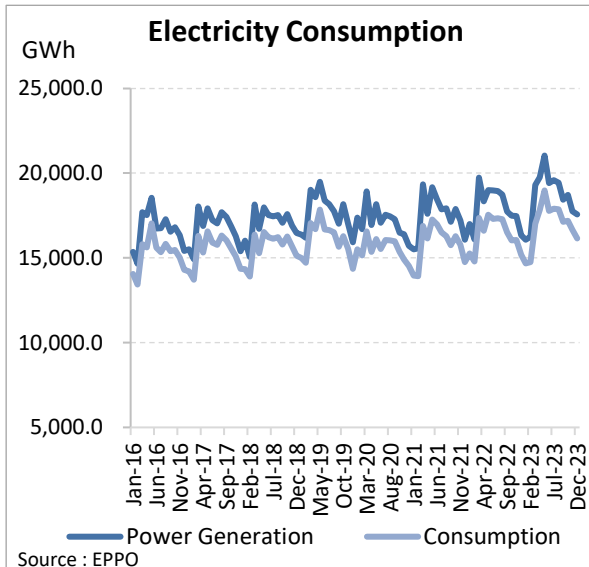
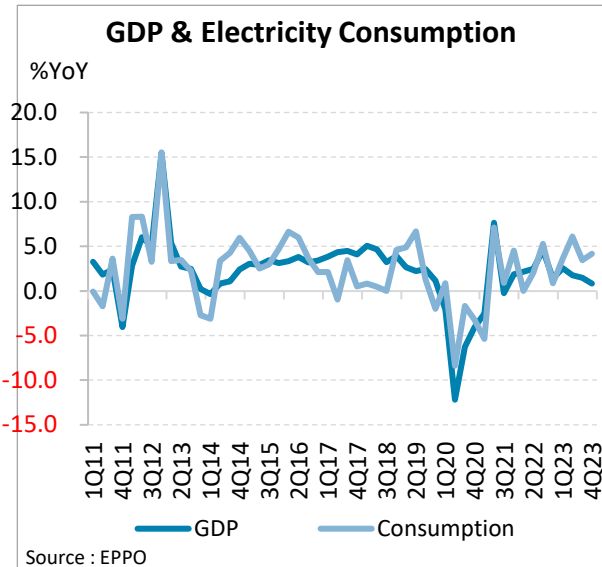


Source: OIE

Plastic Packaging MPI



30. Power Generation (ผลิตไฟฟ้า) [1/2]



30. Power Generation (ผลิตไฟฟ้า) [2/2]

Electricity Consumption

Unit : Gwh

Category	2020	2021	2022	2023	%YoY
Industrial	82,158	86,427	88,574	86,274	-2.6
Residential	52,860	54,290	53,747	57,726	7.4
Business	43,950	41,529	46,097	49,962	8.4
Agriculture	417	398	335	484	44.5
Government and Non-Profit	204	201	216	222	3.1
Others	3,872	3,829	4,219	4,826	14.4
Free of Charge	3,586	3,794	4,068	4,428	8.9
Total	187,046	190,468	197,256	203,923	3.4

Source : EPPO

Power Generation by Fuel

Unit : Gwh

Category	2020	2021	2022	10M23	%YoY
Natural Gas	113,859	113,113	114,637	108,834	13.2
Coal&Lignite	36,823	36,065	35,523	25,805	-13.4
Imported	29,551	33,356	35,472	27,458	-11.5
Renewable Energy	20,529	21,927	21,876	19,332	5.7
Hydro Electricity	4,540	4,540	6,599	5,704	1.5
Diesel	97	294	1,626	871	-18.9
Fuel Oil	624	422	105	6	-93.9
Total	206,023	209,717	215,838	188,009	3.3

Source : EPPO

Renewable Energy Consumption for Power Generation by Fuel Type

Unit : MW

Target 2037	Target 2037	2020	2021	2022	5M2023
Solar	12,139	2,979.24	2,982.68	3,135.16	3,136.19
Hydro-floating Solar	2,725	-	45.00	45.00	45.00
Biomass	5,790	3,517.38	3,773.67	3,765.46	3,872.46
Wind	2,989	1,506.73	1,546.32	1,545.32	1,545.32
Biogas	1,565	557.24	572.72	651.99	652.00
Municipal Waste	900	333.68	348.48	371.09	361.19
Industrial Waste	75	-	-	34.43	44.33
Small Hydro Power	308	190.39	190.39	191.75	191.75
Large Hydro Powe	2,920	2,919.66	2,919.66	2,918.40	2,918.40
Other	0.30	0.30	0.30	0.30	0.30
Total	29,411	12,005	12,379	12,659	12,767

Source : DEDE (Data as of 29 Feb 24)

Peak Demand

Unit : MW

	2019	2020	2021	2022	2023
Jan	25,898	27,423	25,686	26,688	25,896
Feb	27,215	27,112	26,319	27,673	27,687
Mar	28,722	28,637	29,537	30,349	30,213
Apr	30,120	27,747	30,135	32,255	32,324
May	30,853	28,328	29,702	29,675	34,131
Jun	29,800	27,240	29,692	29,594	31,279
July	28,015	26,855	28,691	29,558	30,601
Aug	26,987	27,235	27,642	28,952	30,963
Sep	26,937	27,159	26,841	27,808	28,768
Oct	28,026	26,162	26,920	27,042	28,604
Nov	26,958	27,433	27,347	27,833	29,056
Dec	26,295	25,924	25,597	27,125	29,431
Max	30,853	28,637	30,135	32,255	34,131

Power Generation

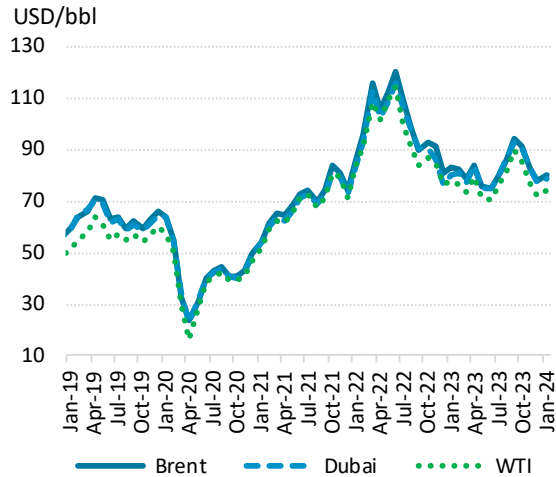
Unit : Gwh

	2019	2020	2021	2022	2023
Jan	16,374	17,383	15,499	16,991	16,082
Feb	16,178	16,699	15,558	16,099	16,235
Mar	19,020	18,925	19,344	19,739	19,292
Apr	18,582	16,933	17,605	18,333	19,754
May	19,491	18,170	19,169	19,000	21,041
Jun	18,377	17,066	18,450	18,971	19,419
July	18,168	17,542	17,875	18,943	19,580
Aug	17,754	17,445	17,920	18,730	19,430
Sep	17,014	17,279	17,138	17,728	18,438
Oct	18,164	16,480	17,882	17,484	18,708
Nov	17,007	16,387	17,204	17,476	17,745
Dec	15,920	15,713	16,074	16,345	17,569
Total	212,050	206,023	209,717	215,838	223,295

Source: LH Bank Business Research Analysis (Data as of Feb 2024)

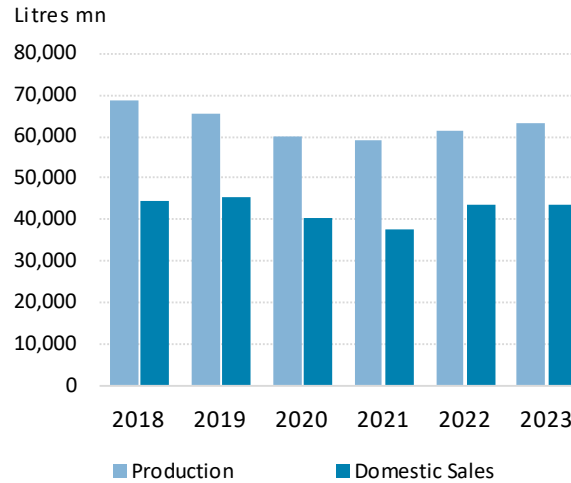
31. Refinery (โรงกลั่นน้ำมัน)

Global Oil Price

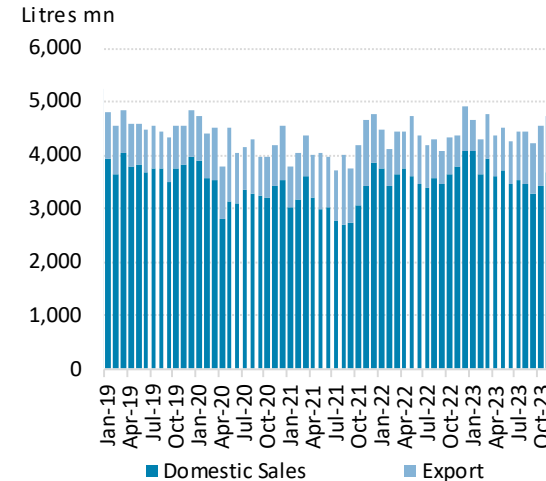


Source : World Bank

Petroleum Production and Sales

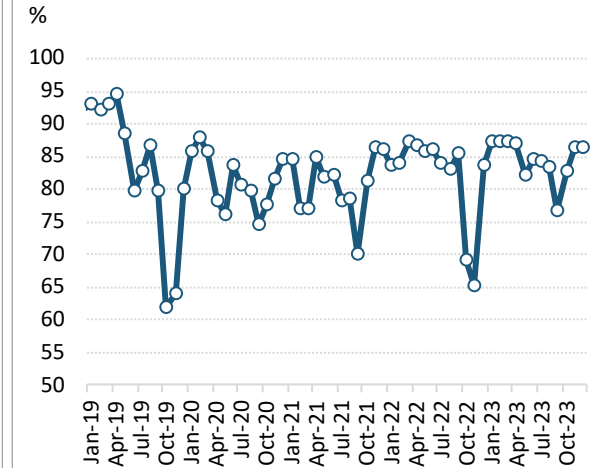


Source : EPPO



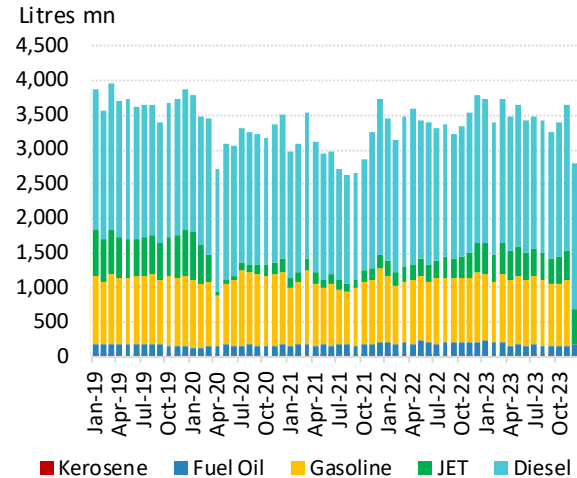
Source : EPPO

Utilization Rate



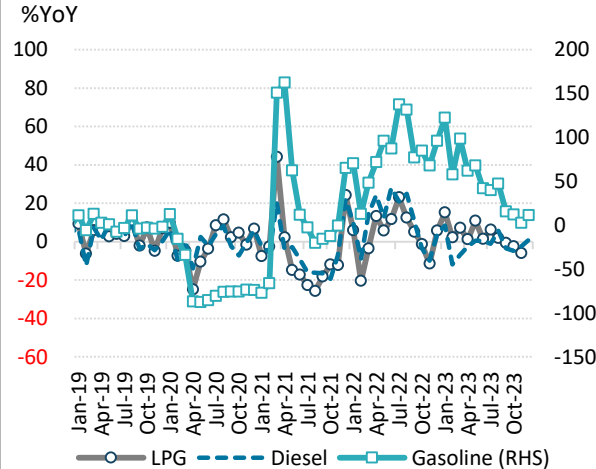
Source : EPPO

Domestic Sales by Products



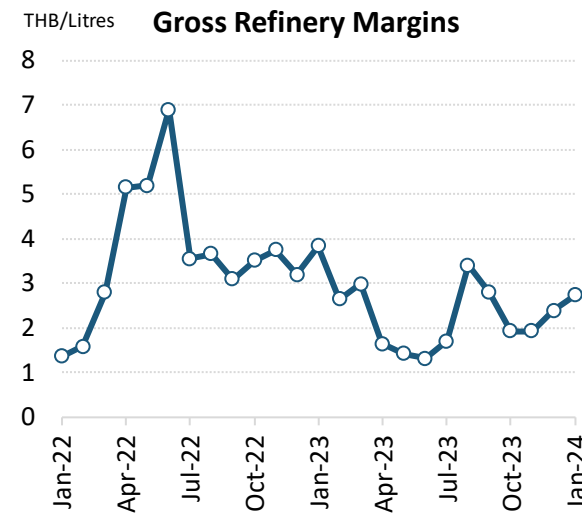
Source : EPPO

Domestic Sales Growth by Products



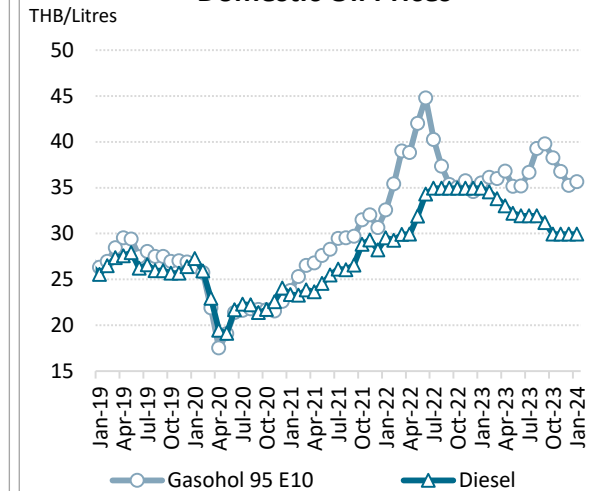
Source : EPPO

Gross Refinery Margins



Source : EPPO

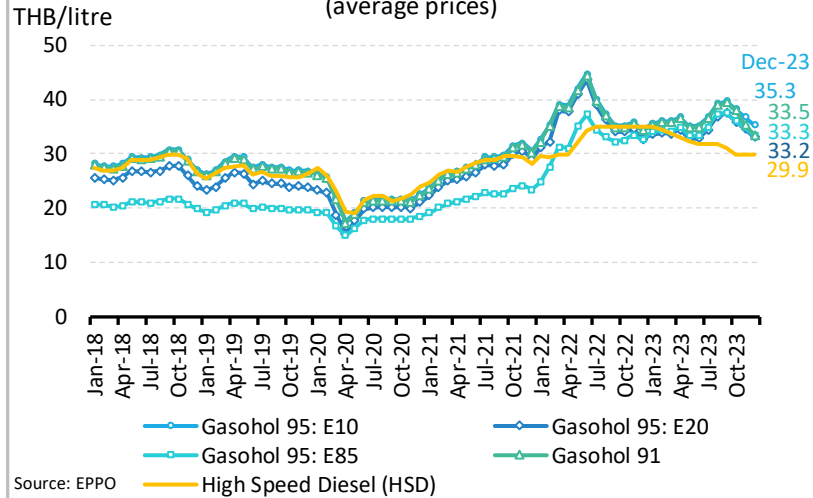
Domestic Oil Prices



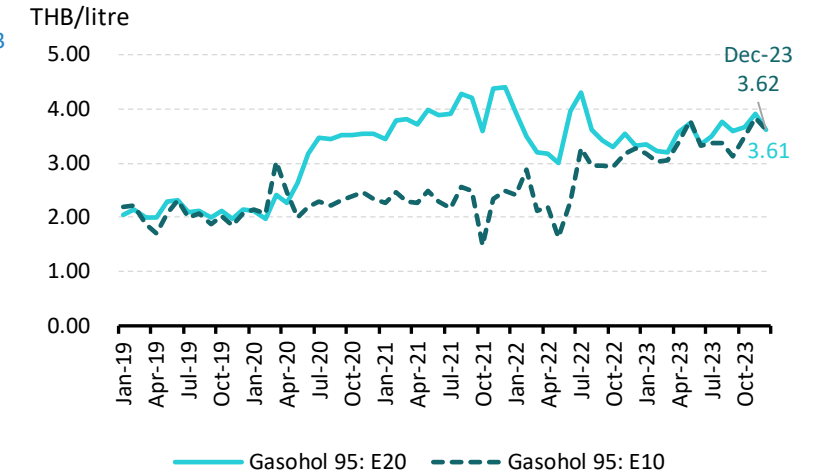
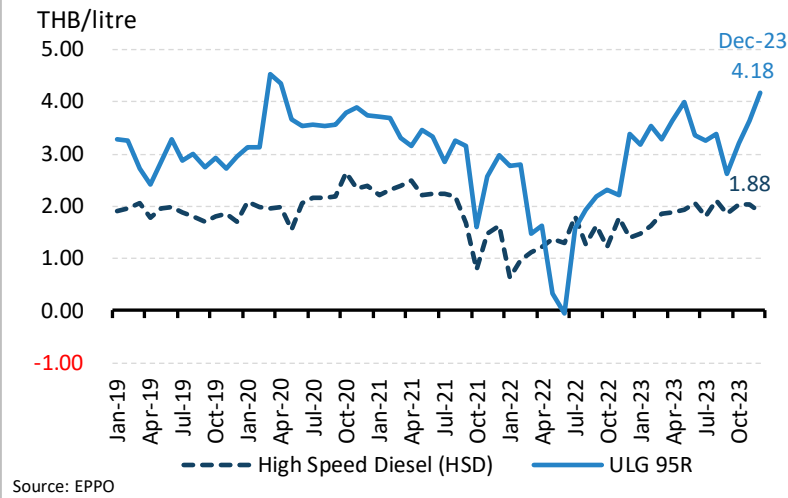
Source : BOT

32. Service Station (สถานีบริการน้ำมันเชื้อเพลิง)

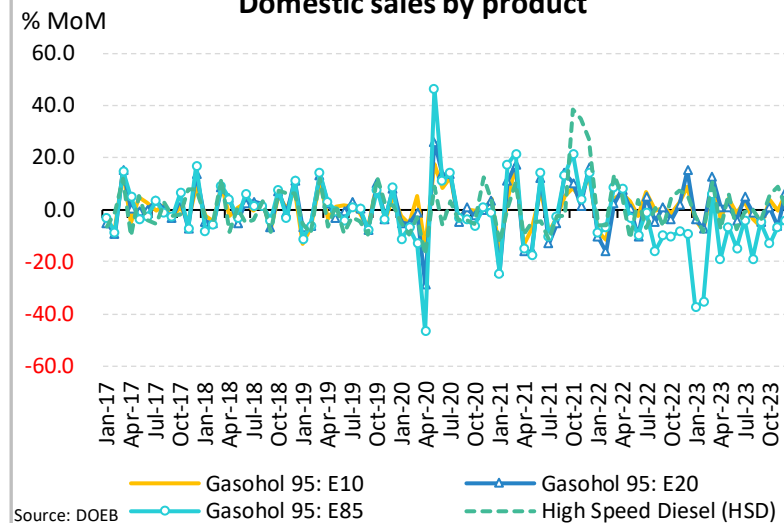
Domestic Petroleum Prices
(average prices)



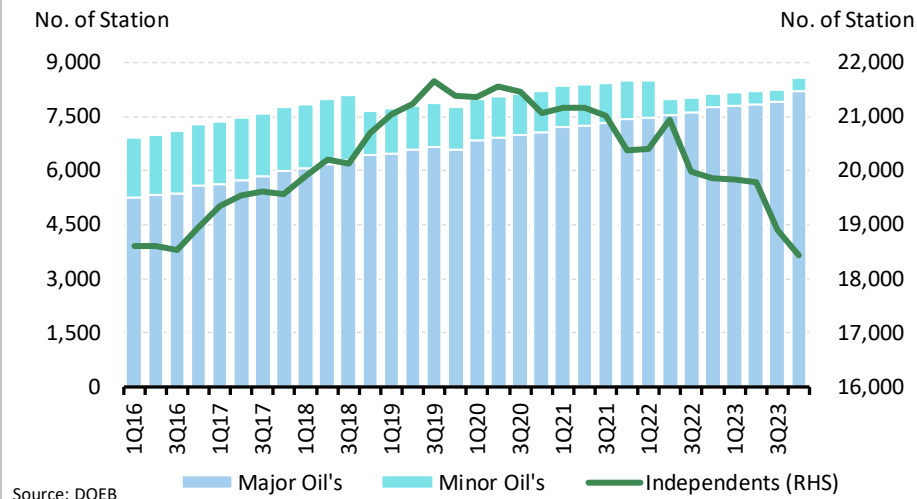
Average Marketing Margin



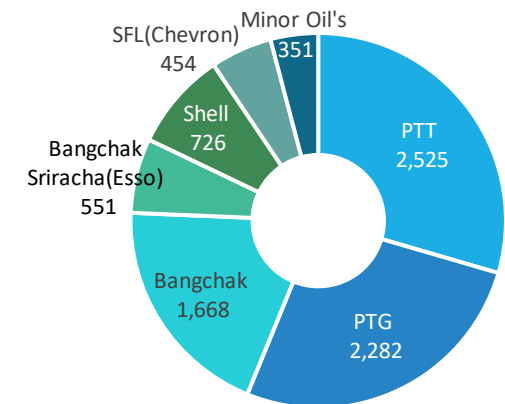
Domestic sales by product



Number of Service Station

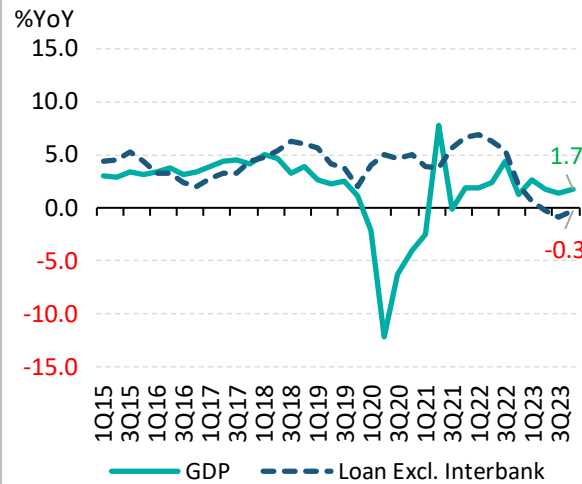


by operators in 2023

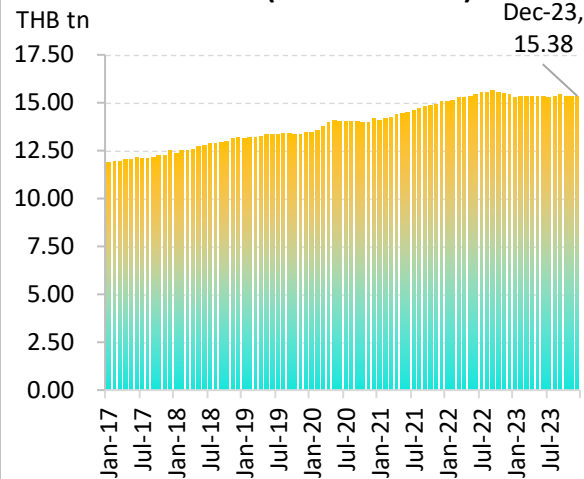


33. Banking (ธนาคาร)

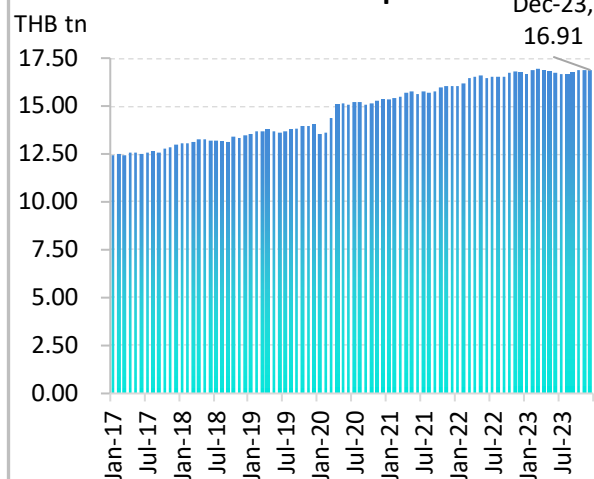
Bank Loan Growth



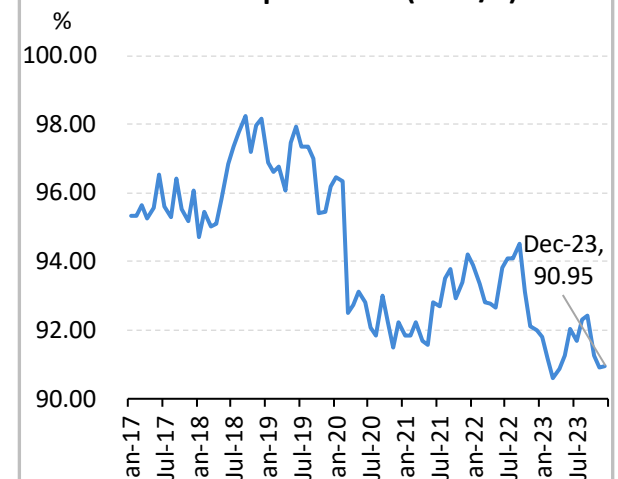
Bank Loan (Excl. Interbank)



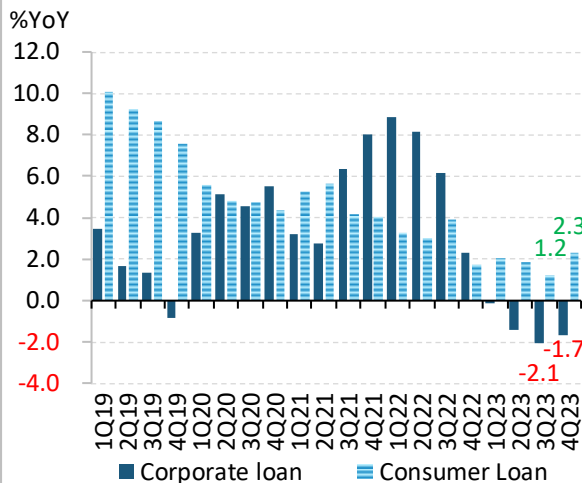
CB: LE: Deposits



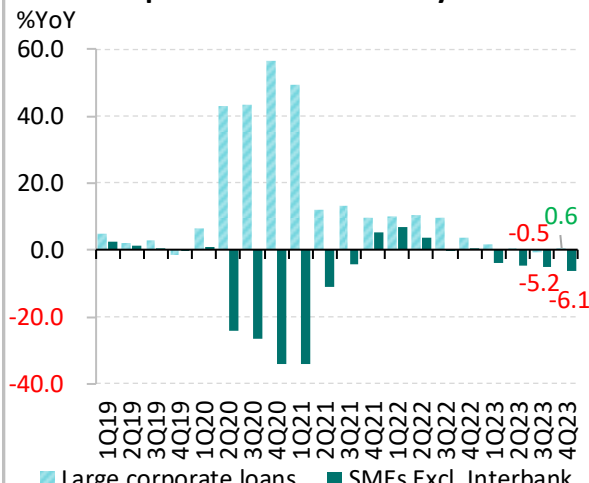
Loan to Deposit ratio (Inc.B/E)



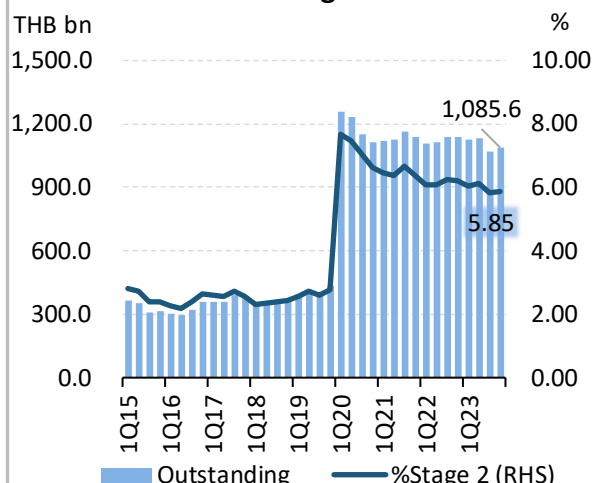
Bank Loan Growth by Sector



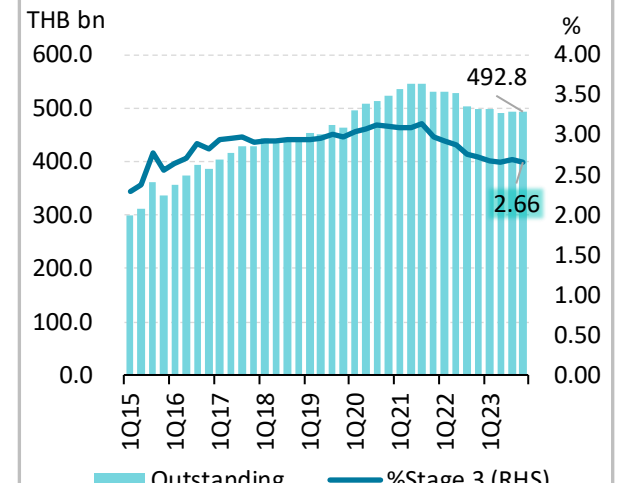
Corporate Loan Growth by Size



% Stage 2



NPL ratio



End of Presentation

Disclaimer

ข้อมูล บทวิเคราะห์ และการแสดงความคิดเห็นต่างๆ ที่ปรากฏอยู่ในรายงานฉบับนี้ ได้จัดทำขึ้นบนพื้นฐานของแหล่งข้อมูลที่ได้รับมาจากแหล่งข้อมูลที่เชื่อถือได้ เพื่อใช้ประกอบการวิเคราะห์ภาวะเศรษฐกิจและอุตสาหกรรมซึ่งเป็นเอกสารภายในของธนาคารแลนด์ แอนด์ เฮาส์ จำกัด (มหาชน) เท่านั้น ทั้งนี้ธนาคารฯ จะไม่รับผิดชอบความเสียหายใดๆ ทั้งปวงที่เกิดขึ้นจากการนำข้อมูล บทวิเคราะห์ การคาดหมาย และความคิดเห็นต่างๆ ที่ปรากฏในรายงานฉบับนี้ไปใช้ โดยผู้ที่ประสงค์จะนำไปใช้ต้องยอมรับความเสี่ยง และความเสียหายที่อาจเกิดขึ้นเองโดยลำพัง