

MALAYSIAN TIN BULLETIN

+603 21616171 / 21616173

Tin Industry (Research and Development) Board
8th Floor, West Block, Wisma Golden Eagle Realty
142 C, Jalan Ampang, 50450 Kuala Lumpur

mcom@mcom.com.my



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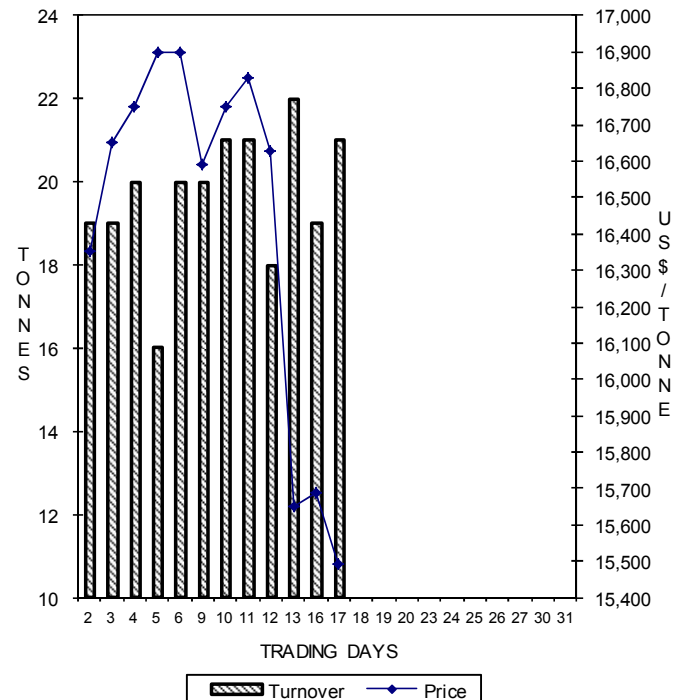
MARCH TIN MARKET REVIEW

Kuala Lumpur Tin Market (KLTM)

Tin trading on the KLTM during the month of March was conducted within the US\$15,490 and US\$16,900 per tonne price range, with the former being the closing and lowest price level for the month. It was a short trading month, as the local physical tin market was closed for trading beginning 18th March in compliance with the partial lockdown announced by the Malaysian Government on 16th March to deal with the Covid-19 pandemic afflicting the country. The market, however, will resume trading once approval has been obtained from the relevant authorities.

The market opened the first trading week at US\$16,350 per tonne before strengthening towards end of the week to record the month's highest price level at US\$16,900 per tonne on 5th and 6th March, reflecting the local physical tin market's alignment with the trading uptrend in the London Metal Exchange (LME) during the period.

KLTM PRICES
MARCH 2020



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The tin price softened at the start of the second trading week on technical correction, and rebounded thereafter for two consecutive days, backed by heavy buying especially from Japanese and European traders. The price softened again the following two days to close the trading week much lower. The decline was very much influenced by the Covid-19 pandemic which had by now impacted tin metal trading globally.

The market rebounded slightly at the opening of the third trading week before softening to close the trading month lower at US\$15,490 per tonne, which was also the month's lowest price level. The decline was in line with the lower tin prices on the LME as demand faded.

There were only 12 days of trading on the KLTM in March with the average price recorded for the month at US\$16,417 per tonne. The month's average daily turnover was 20 tonnes, higher than February's average of 18 tonnes. The highest daily turnover recorded in March was 22 tonnes, and the lowest was 16 tonnes. ♦

London Metal Exchange (LME)

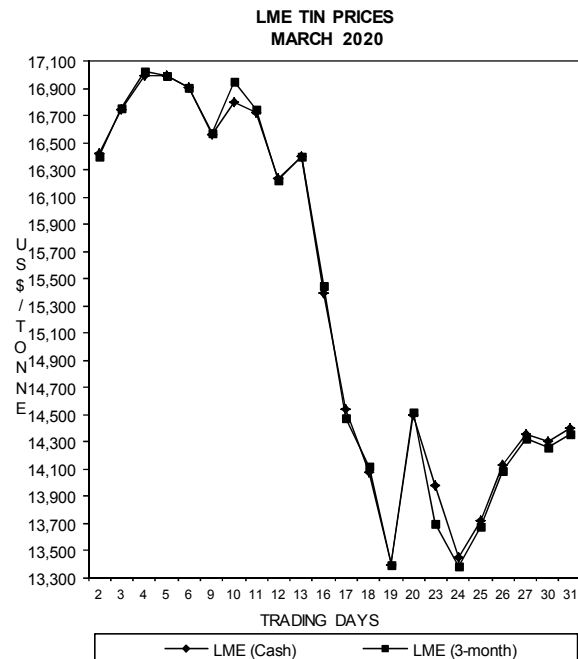
Tin metal trading on the London Metal Exchange (LME) during the month of March was mixed, in line with the trading of other base-metals on the Exchange.

Tin prices opened the trading month at US\$16,425 per tonne for cash tin and US\$16,405 per tonne for 3-month tin. They strengthened the subsequent two days to record the month's highest price level at US\$17,000 and US\$17,025 per tonne for cash and 3-month tin, respectively, both recorded on 4th March. Thereafter, they softened towards end of the trading week.

During the second trading week, tin prices were traded range bound as market sentiment remained largely uncertain, in-line with the flat momentum of other base-metals trading on the LME.

Tin prices softened throughout almost the third trading week to record the month's lowest level for cash tin at US\$13,400 per tonne on 19th March. Sellers were more eager to participate in the market while buyers preferred to stay on the sideline during the period. Tin prices, however, rose at the close of the trading week due to strong demand, which came particularly from overseas interests resulting from the weakening US dollar.

During the fourth trading week, tin prices softened during the earlier days of the week to record the month's lowest level for 3-month tin at US\$13,385 per tonne on 24th March. Thereafter, they strengthened to end the trading week higher. The up-beat



was due to heavy buying as traders took advantage from the earlier low prices.

Tin prices retreated at the opening of the short final trading week before rebounding slightly to end the trading month at US\$14,401 and US\$14,360 per tonne for cash and 3-month tin, respectively.

The March average LME cash price was US\$15,321 per tonne while the average price for 3-month tin was US\$15,307 per tonne.

NEWS ROUND UP

Tin Usage in New Water Treatment System Developed

Aqua Metrology Systems (AMS) was reported to have developed a tin-using water treatment system that reduces chromium pollution in water. The company is also evaluating several other applications for this new tin use technology.

According to a 2016 report, almost 200 million people in the United States have been exposed to unsafe levels of chromium-6 – Cr(VI). The heavy metal can cause issues ranging from skin rashes to kidney and liver damage to lung cancer in humans.

California's State Water Resources Control Board put a limit of 50 parts per billion (ppb) for Cr in drinking

water and could reduce this further to just 5 ppb. The chromium level in Los Banos, California, has already approached the current limits. In a recent pilot study of AMS' SafeguardTM H2O chromium remediation system in the city, Cr(VI) level dropped from 40 ppb to non-detect level (under 1 ppb).

The trials proved the system's ability to effectively and affordably treat well water. The Cr levels achieved were far below those reached by more expensive, traditional Cr(VI) remediation technologies.

The remediation system uses an innovative approach. In an electrolytic process, the system generates a stannous ion reagent from a tin metal electrode. This ion then reduces the chromium ion, neutralising its toxicity.

Due to its simplicity and small footprint, the system can be installed and operated in just a few hours, making it an ideal solution for cities looking to tackle Cr pollution, at a lesser cost and time.

Discussions over a new 5 ppb regulation for California would be greatly helped by the demonstration of a viable approach such as this. There are over 1,000 active wells in California, which could use many hundreds of tonnes of tin annually through the AMS system.

Minsur Suspends its Peruvian Operations

Minsur, a Peruvian tin mining company, has announced that it will suspend its operations to comply with the government's lockdown order to prevent the spread of the novel coronavirus (Covid-19).

The company's administration staff have been operating from home since 16 March, with mining and

smelting operations now being wound down and demobilised.

The country's President has announced a complete quarantine of the country on 15 March to prevent the spread of the virus. Following that, major mining companies, including Anglo American and MMG have suspended their operations.

Substantial Rise in China's Refined Tin Imports

China's refined tin metal imports increased by eight-fold during the country's lockdown to stop the spread of Covid-19 pandemic.

The Chinese government's lockdown order resulted in the suspension of the majority of the country's domestic refined tin production. Only government-owned smelters, including Yunnan Tin, operated during the lockdown but their output were reported to be much lower.

China imported over 1,500 tonnes of refined tin during the lockdown, an increase of more than 800 per cent, year-on-year. It was a continuation from the

high imports recorded in December 2019, the highest since early 2017. The country's refined tin exports, however, declined by 69 per cent to just 520 tonnes, year-on-year.

Due to a lower smelting activity, imports of concentrates also declined during the period. According to the latest customs data, China imported 24,678 tonnes of tin ore and concentrates in January and February. Their estimated tin content declined by 22 per cent, year-on-year, to 7,000 tonnes, with 89 per cent of the material coming from neighbouring Myanmar.

AfriTin also Suspends Mining due to Covid-19

AfriTin Mining has announced that it will suspend its open pit mining at Uis to comply with the Covid-19 lockdown as announced by the Namibian government on 27 March.

However, its processing plant will continue to operate during the 21-day lockdown period. Mining operations have been classified as critical economic services by the government and have been allowed to operate with minimum activity.

AfriTin has a stockpile for continuing more than two month's worth of mine production. The processing

plant will upgrade the ore to concentrate, which will be exported in mid-April. The offtaker, Thaisarco, and the associated ports are currently operating as normal.

The company believes that the suspension of mining will not impact much to Uis's development. The debottlenecking of its processing plant, announced in February, will continue ahead as planned. The company, however, reckons that supply chain disruptions may have impact on the length of the mine shutdown.

(Source: International Tin Association Ltd. UK)

TIN STATISTICS

KLTM & LME TIN PRICES

Period	KLTM				LME		
	Average Price * (US\$/Tonne)	Exchange Rates	Average Daily Turnover (Tonnes)	Total Turnover (Tonnes)	Cash (US\$/Tonne)	3-Month (US\$/Tonne)	
2010	20,061		62	15,599	20,406	20,430	
2011	26,235		47	11,387	26,113	26,128	
2012	21,193		42	10,206	21,114	21,125	
2013	22,322		39	9,530	22,316	22,328	
2014	21,737		44	10,822	21,916	21,909	
2015	16,015		52	12,679	16,084	16,046	
2016	17,528		47	11,568	17,982	17,889	
2017	20,029		37	8,890	20,098	19,994	
2018	20,151		37	9,075	20,168	20,086	
2019	19,168		26	6,445	18,671	18,610	
2018	Jan.	20,415		46	973	20,711	20,602
	Feb.	21,558		42	756	21,694	21,549
	Mar.	21,049		42	933	21,214	21,123
	Apr.	21,151		35	744	21,340	21,167
	May	20,740		39	710	20,900	20,794
	Jun.	20,616		45	907	20,663	20,577
	Jul.	19,687		39	857	19,700	19,610
	Aug.	19,299		31	642	19,281	19,224
	Sep.	18,905		43	736	18,999	18,951
	Oct.	19,048		33	762	19,129	19,092
	Nov.	19,133		27	536	19,139	19,123
	Dec.	19,208		26	519	19,243	19,219
2019	Jan.	20,417		34	719	20,480	20,372
	Feb.	21,268		37	628	21,268	21,172
	Mar.	21,317		50	1,046	21,444	21,359
	Apr.	20,528		38	833	20,684	20,560
	May	19,394		19	388	19,531	19,326
	Jun.	19,065		19	344	19,177	19,076
	Jul.	18,074		19	416	17,991	17,983
	Aug.	16,532		20	422	16,577	16,567
	Sep.	16,730		22	392	16,840	16,834
	Oct.	16,562		21	464	16,603	16,627
	Nov.	16,624		20	417	16,369	16,386
	Dec.	16,883		18	376	17,093	17,063
2020	Jan.	17,014		19	406	17,056	17,057
	Feb.	16,536		18	354	16,457	16,456
	Mar.	16,417		20	236	15,321	15,307
2020	Mar.						
	2	16,350	4.1955	68,596	19	16,425	16,405
	3	16,650	4.2067	70,042	19	16,750	16,760
	4	16,750	4.1830	70,065	20	17,000	17,025
	5	16,900	4.1642	70,375	16	17,000	17,000
	6	16,900	4.1880	70,777	20	16,910	16,905
	9	16,590	4.2036	69,738	20	16,560	16,575
	10	16,750	4.2310	70,869	21	16,805	16,950
	11	16,830	4.2422	71,396	21	16,725	16,750
	12	16,630	4.2528	70,724	18	16,235	16,225
	13	15,650	4.2910	67,154	22	16,400	16,400
	16	15,690	4.2970	67,420	19	15,400	15,450
	17	15,490	4.3170	66,870	21	14,545	14,475
	18		CLOSED			14,075	14,120
	19		CLOSED			13,400	13,400
	20		CLOSED			14,500	14,525
	23		CLOSED			13,975	13,700
	24		CLOSED			13,450	13,385
	25		CLOSED			13,720	13,680
	26		CLOSED			14,135	14,090
27		CLOSED			14,355	14,320	
30		CLOSED			14,305	14,260	
31		CLOSED			14,401	14,360	

Sources : The Kuala Lumpur Tin Market Metal Bulletin

Note : As from 1 February 2001, KLTM price is quoted in U.S. Dollar
 As from July 2018 onwards, we will no longer publish the New York Spot Tin prices since the Metal Bulletin, which has been our primary source of the New York Spot Tin prices has now stopped publishing them.
 * KLTM's monthly average price is arrived at on a weighted average against total tonnage basis.

WORLD REFINED TIN STOCKS (Tonnes)

Period	LME Stock	COUNTRY STOCKS							Total Country Stocks	Total Commercial Stocks	Total US Strategic Stockpile	
		Germany	U.K	Indonesia	Japan	Malaysia*	Brazil*	U.S.A				
2010	16,375	2,129	955	3,234	1,139	1,300	3,600	7,090	19,447	35,822	4,020	
2011	12,095	2,129	955	3,265	1,278	1,300	3,600	6,800	19,327	31,422	4,020	
2012	12,800	2,129	955	4,163	1,380	1,300	3,600	7,420	20,947	33,747	4,020	
2013	9,660	2,129	955	1,192*	1,456	1,300	3,600	6,680	17,312	26,972	4,020	
2014	12,135	2,129	955	6,266	1,324	888*	3,600	6,970	22,132	34,267	4,020	
2015	6,140	2,129	955	5,838	1,349	730*	3,600	7,520	9,956	14,439	4,020	
2016	3,800	2,129	955	3,976*	1,400	356*	3,600*	6,220	18,600	24,800	4,020	
2017	2,235	2,130	955	3,870	1,360	600*	3,600*	6,730	19,245	26,395	4,020	
2018	2,165	2,130	955	2587*	1,469	439*	3600*	5,610	16,790	27,226	4,020	
2019	7,110	2,130	955	8600*	2,022	400*	3600*	5,510	23,217	35,678	4,020	
2017	Jan.	5,800	2,129	955	3435*	1,416	356*	3600*	6,470	18,902	27,908	4,020
	Feb.	5,560	2,129	955	3435*	1,283	356*	3600*	6,470	18,769	26,743	4,020
	Mar.	3,510	2,129	955	3435*	1,282	356*	3600*	6,470	18,227	23,760	4,020
	Apr.	2,865	2,129	955	3435*	1,244	356*	3600*	6,470	18,189	23,260	4,020
	May.	1,910	2,129	955	3868*	1,196	241*	3600*	6,480	18,469	24,179	4,020
	Jun.	1,690	2,130	955	3870*	1,311	930*	3600*	6,540	19,336	26,068	4,020
	Jul.	1,985	2,130	955	3870*	1,349	930*	3600*	6,540	19,374	29,663	4,020
	Aug.	1,910	2,130	955	3870*	1,411	930*	3600*	6,540	19,436	31,539	4,020
	Sep.	2,070	2,130	955	3870*	1,393	346*	3600*	6,520	18,814	30,595	4,020
	Oct.	2,095	2,130	955	3870*	1,393	350*	3600*	6,560	18,818	30,637	4,020
	Nov.	2,395	2,130	955	3870*	1,348	350*	3600*	6,730	18,983	29,610	4,020
	Dec.	2,235	2,130	955	3870*	1,360	600*	3600*	6,730	19,245	26,395	4,020
2018	Jan.	1,955	2,130	955	3956*	1,347	600*	3600*	6,730	19,318	25,885	4,020
	Feb.	1,720	2,130	955	3956*	1,384	600*	3600*	6,730	19,318	26,506	4,020
	Mar.	2,060	2,130	955	3956*	1,384	732*	3600*	6,330	19,087	25,753	4,020
	Apr.	2,225	2,130	955	3956*	1,222	732*	3600*	6,430	19,025	26,735	4,020
	May.	2,420	2,130	955	3956*	1,184	732*	0	6,430	15,387	24,661	4,020
	Jun.	3,130	2,130	955	3198*	1,184	407*	0	6,430	14,304	25,151	4,020
	Jul.	2,970	2,130	955	3246*	1,134	407*	3600*	6,400	17,872	27,857	4,020
	Aug.	2,940	2,130	955	3246*	1,093	407*	3600*	6,310	17,741	26,728	4,020
	Sep.	2,865	2,130	955	3246*	1,414	677*	3600*	6,310	18,332	27,715	4,020
	Oct.	3,085	2,130	955	3246*	1,414	677*	3600*	6,310	15,332	25,139	4,020
	Nov.	3,045	2,130	955	3246*	1,510	677*	3600*	5,610	17,728	29,299	4,020
	Dec.	2,165	2,130	955	2587*	1,469	439*	3600*	5,610	16,790	27,226	4,020
2019	Jan.	1,845	2,130	955	2587*	1,578	439*	3600*	5,150	16,439	26,524	4,020
	Feb.	1,325	2,130	955	2587*	1,578	439*	3600*	5,150	16,552	26,111	4,020
	Mar.	950	2,130	955	8594*	1,765	439*	3600*	4,850	22,333	31,458	4,020
	Apr.	890	2,130	955	8594*	1,834	439*	3600*	5,580	23,132	31,451	4,020
	May.	2,810	2,130	955	8600*	1,849	439*	3600*	5,510	23,083	34,096	4,020
	Jun.	6,045	2,130	955	8600*	2,520	209*	3600*	5,510	23,524	37,961	4,020
	Jul.	4,640	2,130	955	8600*	2,520	209*	3600*	5,510	23,524	34,583	4,020
	Aug.	6,830	2,130	955	8600*	2,445	209*	3600*	5,510	23,449	35,355	4,020
	Sep.	6,620	2,130	955	8600*	2,013	919*	3600*	5,510	23,017	34,215	4,020
	Oct.	6,020	2,130	955	8600*	2,100	400*	3600*	5,510	23,104	33,684	4,020
	Nov.	6,235	2,130	955	8600*	2,022	400*	3600*	5,510	23,217	33,116	4,020
	Dec.	7,110	2,130	955	8600*	1,806	400*	3600*	5,920	23,217	35,678	4,020
2020	Jan.	6,630	2,130	955	8600*	2,041	400*	3600*	5,510	23,236	36,861	4,020
	Feb.	7,440	2,130	955	8600*	2,041	400*	3600*	5,510	23,236	37,066	4,020
	Mar.	6,205	n.y.a	n.y.a	n.y.a	n.y.a	n.y.a	n.y.a	n.y.a	n.y.a	n.y.a	n.y.a

* : at producer
n.y.a : not yet available
Sources : Metal Bulletin
World Bureau of Metal Statistics

PRODUCTION BY MINING METHODS (In Tonnes)
NUMBER OF MINES IN OPERATIONS
EMPLOYMENT AT TIN MINES

YEAR	AGGREGATE			Dredging			Gravel Pump			Open Cast			Under Ground			Panning			Amang Retreatment		
	Prod.	Units*	Emp.	Prod.	Units	Emp.	Prod.	Units	Emp.	Prod.	Units	Emp.	Prod.	Units	Emp.	Prod.	Units	Emp.	Prod.	Units	Emp.
2010	2,668	12	1,352	54	2	44	6	1	26	2,051	9	849	-	-	-	283	-	-	274	25	433
2011	3,343	13	1,433	22	1	9	-	-	-	2,567	12	1,009	-	-	-	394	-	-	360	23	415
2012	3,725	13	1,464	-	-	-	-	-	-	2,788	13	987	-	-	-	289	-	-	650	23	477
2013	3,697	16	1,532	-	1	20	-	-	-	2,700	15	1,025	-	-	-	325	-	-	663	20	487
2014	3,777	18	1,538	2	1	20	-	-	-	2,912	18	1,090	-	-	-	379	-	-	484	19	448
2015	4,125	18	1,519	-	-	-	-	-	-	3,572	18	1,151	-	-	-	313	-	-	276	18	368
2016	4,158	14	1,406	-	-	-	-	-	-	3,388	14	1,130	-	-	-	293	-	-	442	18	276
2017	3,894	16	1,286	-	1	36	-	-	-	3,104	16	1,058	-	-	-	406	-	-	390	16	228
2018	3,868	12	1,295	-	-	-	-	-	-	3,184	12	1,075	-	-	-	424	-	-	260	11	220
2019**	3,597	12	1,387	-	-	-	-	-	-	3,090	12	1,201	-	-	-	244	-	-	263	11	186
2017																					
Jan.	351	14	1,298	-	-	-	-	-	-	272.8	14	1,030	-	-	-	29.6	-	-	48.3	18	268
Feb.	316	14	1,308	-	1	36	-	-	-	251.8	13	990	-	-	-	28.3	-	-	36.0	18	282
Mar.	306	14	1,200	-	1	36	-	-	-	248.9	13	929	-	-	-	24.4	-	-	32.3	16	235
Apr.	275	13	1,220	-	-	-	-	-	-	227.9	13	985	-	-	-	30.6	-	-	16.3	16	235
May	338	16	1,330	-	-	-	-	-	-	268.1	16	1,095	-	-	-	33.6	-	-	37.7	16	235
Jun	306	17	1,301	-	-	-	-	-	-	272.0	17	1,069	-	-	-	30.7	-	-	5.5	16	232
July	333	18	1,350	-	1	36	-	-	-	273.4	17	1,083	-	-	-	34.2	-	-	25.7	16	231
Aug.	328	19	1,391	-	1	36	-	-	-	262.7	18	1,122	-	-	-	36.8	-	-	29.2	16	233
Sep.	313	16	1,316	-	-	-	-	-	-	248.6	16	1,083	-	-	-	36.5	-	-	28.9	16	233
Oct.	322	18	1,358	-	1	36	-	-	-	251.8	17	1,089	-	-	-	36.1	-	-	35.3	16	233
Nov.	368	16	1,283	-	-	-	-	-	-	271.9	16	1,050	-	-	-	43.6	-	-	53.9	16	233
Dec.	338	16	1,286	-	-	-	-	-	-	254.5	16	1,058	-	-	-	41.8	-	-	40.8	16	228
2018																					
Jan.	308	17	1,330	-	-	-	-	-	-	244.5	17	1,088	-	-	-	37.3	-	-	26.5	16	242
Feb.	297	17	1,305	-	-	-	-	-	-	233.4	17	1,063	-	-	-	36.9	-	-	26.6	16	242
Mar.	323	16	1,272	-	-	-	-	-	-	260.4	16	1,029	-	-	-	34.6	-	-	27.6	16	243
Apr.	330	17	1,271	-	-	-	-	-	-	268.5	17	1,031	-	-	-	39.6	-	-	21.8	16	240
May	336	16	1,137	-	-	-	-	-	-	260.8	16	971	-	-	-	40.1	-	-	34.9	11	166
Jun	310	15	982	-	-	-	-	-	-	256.3	15	977	-	-	-	53.3	-	-	-	10	5
July	342	15	1,218	-	-	-	-	-	-	300.9	15	1,010	-	-	-	22.3	-	-	18.8	10	208
Aug.	393	14	1,225	-	-	-	-	-	-	325.3	14	1,012	-	-	-	36.6	-	-	31.23	10	213
Sep.	280	14	1,308	-	-	-	-	-	-	244.8	14	1,085	-	-	-	30.7	-	-	4.74	10	223
Oct.	319	12	1,280	-	-	-	-	-	-	271.2	12	1,059	-	-	-	31.5	-	-	16.30	10	221
Nov.	324	12	1,309	-	-	-	-	-	-	253.5	12	1,085	-	-	-	36.0	-	-	34.00	10	224
Dec.	307	12	1,295	-	-	-	-	-	-	264.0	12	1,075	-	-	-	25.0	-	-	18.00	11	220
2019**																					
Jan.	325	11	1,242	-	-	-	-	-	-	272.0	11	1,025	-	-	-	28.7	-	-	24.8	11	217
Feb.	278	12	1,262	-	-	-	-	-	-	243.3	12	1,070	-	-	-	22.1	-	-	12.5	11	192
Mar.	324	13	1,289	-	-	-	-	-	-	286.0	13	1,097	-	-	-	18.4	-	-	20.0	11	192
Apr.	301	13	1,290	-	-	-	-	-	-	250.1	13	1,098	-	-	-	16.1	-	-	34.6	11	192
May	282	12	1,283	-	-	-	-	-	-	240.2	12	1,091	-	-	-	22.2	-	-	19.4	11	192
Jun	213	12	1,254	-	-	-	-	-	-	181.9	12	1,067	-	-	-	15.3	-	-	15.7	11	187
July	263	12	1,282	-	-	-	-	-	-	227.1	12	1,095	-	-	-	15.9	-	-	20.4	11	187
Aug.	299	10	1,396	-	-	-	-	-	-	260.2	10	1,209	-	-	-	20.0	-	-	19.1	11	187
Sep.	320	10	1,281	-	-	-	-	-	-	280.6	10	1,094	-	-	-	20.5	-	-	19.4	11	187
Oct.	312	12	1,441	-	-	-	-	-	-	262.6	12	1,255	-	-	-	15.4	-	-	33.5	11	186
Nov.	323	12	1,391	-	-	-	-	-	-	276.4	12	1,205	-	-	-	18.1	-	-	28.1	11	186
Dec.	356	12	1,387	-	-	-	-	-	-	309.4	12	1,201	-	-	-	31.1	-	-	15.7	11	186

Source: Department of Mineral and Geoscience Malaysia

Note : * Aggregate number of mines does not include Retreatment units

** Preliminary

- Nil

**MALAYSIAN REFINED TIN PRODUCTION
IMPORT OF TIN-IN-CONCENTRATES
AND EXPORT OF TIN METAL (In Tonnes)**

Period	Production of Tin-In-Concentrates	Imports of Tin-In-Concentrates	Refined Tin Production	Local Consumption	Exports of Tin Metal
2010	2,668	30,589	38,771	2,942	33,697
2011	3,343	30,031	40,281	2,341	42,302
2012	3,725	26,537	37,823	2,083	37,212
2013	3,697	30,273	32,633	1,835	36,363
2014	3,777	31,610	35,018	1,581	35,221
2015	4,125	31,965	30,260	1,900	38,319
2016	4,158	30,536	26,849	2,238	27,470
2017	3,894	29,866	27,211	2,707	27,147
2018	3,868	27,450	27,115	1,964	27,342
2019*	3,596	25,644	24,387	1,441	24,418
2017					
Jan.	351	2,377	1,683	171	1,530
Feb.	316	2,033	2,167	203	2,635
Mar.	306	1,723	2,044	322	2,091
Apr.	275	2,441	1,832	263	1,777
May.	338	2,598	2,572	218	2,326
Jun.	306	2,446	2,121	258	1,732
Jul.	333	3,154	2,605	320	2,768
Aug.	328	2,428	2,812	178	3,106
Sep.	313	2,565	2,149	179	2,275
Oct.	322	2,775	2,256	225	2,116
Nov.	368	2,740	2,478	204	2,510
Dec.	338	2,586	2,492	166	2,281
2018					
Jan.	308	2,424	2,060	171	1,950
Feb.	297	2,046	2,214	190	2,009
Mar.	323	2,488	2,340	158	2,584
Apr.	330	2,430	2,111	192	2,401
May.	336	2,895	2,343	171	2,435
Jun.	310	2,494	2,219	192	2,162
Jul.	342	2,609	2,571	162	2,687
Aug.	393	2,619	2,470	215	2,257
Sep.	280	1,653	2,068	149	1,899
Oct.	319	2,284	2,282	117	2,138
Nov.	324	1,844	2,563	102	2,746
Dec.	306	1,664	1,874	145	2,074
2019*					
Jan.	325	2,169	1,887	125	2,205
Feb.	278	1,700	1,912	99	1,694
Mar.	324	2,263	2,169	134	2,195
Apr.	301	2,090	2,145	125	2,097
May.	282	1,842	1,836	145	1,891
Jun.	213	2,393	1,536	129	1,630
Jul.	263	2,393	2,491	144	2,347
Aug.	299	2,381	2,476	122	2,257
Sep.	320	1,998	2,234	111	1,886
Oct.	312	2,506	1,478	111	1,790
Nov.	323	2,147	2,137	105	2,086
Dec.	356	1,762	2,086	91	2,340

* : Preliminary
Sources : Department of Statistics, Malaysia
Department of Mineral and Geoscience Malaysia
Malaysia Smelting Corporation Bhd.

DOMESTIC TIN CONSUMPTIONS (In Tonnes)

PERIOD	TOTAL CONSUMPTION	SOLDER *	TINPLATE	PEWTER	OTHERS *
2010	2,942	1,981	683	169	109
2011	2,341	1,458	665	108	110
2012	2,083	1,333	573	104	73
2013	1,835	1,078	561	100	96
2014	1,581	922	520	82	57
2015	1,900	1,133	608	77	82
2016	2,238	1,314	750	86	88
2017	2,707	1,348	737	63	559
2018	1,964	1,019	759	39	147
2019**	1,441	695	639	19	88
2017					
Jan.	171	102	54	12	3
Feb.	203	133	64	2	4
Mar.	322	139	76	13	94
Apr.	263	100	72	2	89
May	218	150	61	3	4
Jun	258	108	61	12	77
July	320	143	76	1	100
Aug.	178	79	62	2	35
Sep.	179	101	40	1	37
Oct.	225	104	68	4	49
Nov.	204	95	49	1	59
Dec.	166	94	54	10	8
2018					
Jan.	171	101	57	3	10
Feb.	190	133	54	1	2
Mar.	158	93	49	13	3
Apr.	192	103	78	1	10
May	171	106	56	1	8
Jun.	192	116	61	13	2
Jul.	162	99	60	0	3
Aug.	215	132	75	1	7
Sep.	149	62	62	1	24
Oct.	117	23	69	1	24
Nov.	102	11	61	0	30
Dec.	145	40	77	4	24
2019**					
Jan.	125	66	51	1	7
Feb.	99	60	35	0	4
Mar.	134	69	56	1	8
Apr.	125	51	64	2	8
May	145	70	62	1	12
Jun.	129	66	56	1	6
Jul.	144	91	47	3	3
Aug.	122	60	51	1	10
Sep.	111	41	60	3	7
Oct.	111	41	59	3	8
Nov.	105	45	52	1	7
Dec.	91	35	46	2	8
2020**					
Jan.	n.y.a	n.y.a	48	n.y.a	n.y.a
Feb.	n.y.a	n.y.a	52	n.y.a	n.y.a
Mar.	n.y.a	n.y.a	45	n.y.a	n.y.a

* : The figures include high-grade tin (99.9% Sn) imported for consumption.

** : Preliminary.

n.y.a : not yet available

Sources : Department of Mineral and Geoscience Malaysia
Malaysia Smelting Corporation Bhd

Note : Local consumption of tin metal refers to the use of tin in a particular application.
Sales to manufacturing industries have been used as proxy for consumption except in the case of manufacture of tinplate for which actual consumption data are available.

WORLD MINE PRODUCTION
(In Tonnes)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
										Jan	Feb
EUROPE											
Portugal	45	24	24	84	96	48	56	60	108	9	9
Russia	612	600	600	240	240	1,140	702	1,200	2,264	200	200
United Kingdom	-	-	-	-	-	-	-	-	-	-	-
AFRICA											
Democ. Rep. Congo	4,800	2,462	5,220	4,116	2,977	4,128	7,145	9,000	6,250	500	500
Nigeria	1,800	2,400	2,590	2,425	2,100	3,827	5,964	8,784	7,020	345	345
Rwanda	4,167	3,493	3,600	4,245	2,017	2,621	3,508	2,400	2,223	155	91
South Africa	-	-	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	87	12	-	-	-	-	-	-	-
ASIA											
China	127,400	115,900	148,981	177,300	146,600	153,100	163,000	157,500	142,900	7,500	7,500
Indonesia	78,000	78,000	84,000	69,600	68,400	60,000	60,000	84,000	86,400	7,200	7,200
Kazakhstan	-	-	-	-	-	-	-	2	-	-	-
Laos	1,200	766	745	840	815	1,308	779	566	1,156	190	172
Malaysia	3,346	3,639	3,685	3,600	3,731	4,123	3,967	3,999	4,080	340	340
Mongolia	24	24	44	72	240	36	50	60	110	10	10
Myanmar	534	658	8,943	17,475	2,400	47,435	58,883	45,900	33,750	2,300	2,300
Thailand	252	199	119	131	45	124	705	720	720	60	60
Vietnam	5,400	5,400	5,400	5,400	3,600	5,520	4,560	4,560	5,520	460	460
AMERICA											
Bolivia	20,373	19,701	16,976	19,548	20,135	17,614	17,973	17,259	17,194	1,500	1,500
Brazil	8,200	10,800	13,800	13,800	13,800	25,500	18,000	18,000	18,000	1,500	1,500
Peru	29,022	26,097	23,661	12,105	19,511	18,789	17,790	18,601	19,683	1,600	1,600
U.S.A.	-	-	-	-	-	-	-	-	-	-	-
OCEANIA											
Australia	15,400	6,014	5,888	7,042	7,056	6,635	7,217	6,871	7,738	500	500
WORLD TOTAL	300,575	276,183	324,363	349,035	315,363	351,948	370,299	379,482	355,116	24,369	24,287

Source : World Bureau of Metal Statistics

WORLD REFINED TIN CONSUMPTION (In Tonnes)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020
										Jan	Feb
EUROPE											
Austria	3,200	2,978	3,184	3,715	3,438	3,323	4,148	3,983	3,082	225	225
Belgium	6,584	5,231	5,400	2,400	2,400	2,400	697	720	720	60	60
Bulgaria	520	500	501	360	144	101	1	117	210	25	25
Czech Republic	470	474	379	300	460	515	532	603	605	29	43
Denmark	108	13	24	11	8	3	17	7	1	1	1
Finland	131	121	72	244	211	86	51	77	94	3	3
France	4,839	4,323	4,616	5,203	4,382	4,736	5,456	6,080	5,020	534	610
Germany	19,788	17,592	17,896	18,835	17,931	18,242	20,284	20,236	18,441	1,521	1,400
Greece	1,350	630	616	676	655	632	600	646	634	51	50
Hungary	106	105	111	109	163	145	1,177	2,050	2,036	190	190
Ireland	48	7	3	3	7	4	0	2	0	0	0
Italy	4,807	6,111	3,096	3,760	3,017	3,495	3,974	4,678	4,324	336	300
Netherlands	4,867	4,500	7,399	7,200	6,000	6,000	6,000	6,000	6,000	500	500
Norway	5	9	5	3	3	0	1	1	1	8	5
Poland	1,582	2,085	1,908	2,520	2,647	3,669	3,537	3,723	3,335	598	360
Portugal	529	435	356	482	408	554	856	891	831	44	57
Romania	1,140	960	3,200	960	840	336	516	866	551	25	25
Russia	2,960	3,039	3,196	1,516	1,262	995	1,339	495	1,914	122	136
Slovakia	400	240	202	404	501	465	645	767	593	48	45
Spain	2,032	1,303	1,913	1,470	1,864	1,495	1,605	1,652	1,563	205	140
Sweden	5,742	2,910	4,385	6,435	5,682	6,492	5,457	6,020	5,835	530	500
Switzerland	200	55	861	66	81	47	69	45	60	6	6
United Kingdom	703	780	821	794	962	979	936	961	262	15	12
Yugoslavia	2,390	1,320	1,140	1,080	1,080	1,080	1,080	1,080	1,080	90	90
Other Europe	900	720	720	720	720	720	720	720	720	60	60
AFRICA											
Egypt	400	110	104	0	155	107	119	225	174	13	10
Morocco	84	84	29	14	16	21	15	22	20	3	3
Nigeria	300	300	300	300	300	300	623	1,436	1,322	20	20
South Africa	1,464	1,200	1,152	1,243	1,129	1,047	957	633	604	50	50
Other Africa	900	720	720	720	720	720	720	720	720	60	60
ASIA											
China	180,812	176,404	168,194	192,610	175,842	191,415	183,391	174,183	177,891	8,926	11,175
Hong Kong	1,800	1,800	1,800	1,800	1,800	1,800	1,800	3,300	3,600	70	39
India	9,738	9,985	9,941	11,870	12,857	9,088	9,861	11,365	10,615	972	1,000
Indonesia	1,200	1,200	600	1,200	1,200	1,200	1,200	1,200	1,200	100	100
Iran	2,400	1,200	797	737	1,129	987	1,058	1,573	2,221	120	120
Japan	26,936	27,657	28,272	27,090	26,762	26,113	29,111	28,084	24,905	2,551	1,484
Kazakhstan	1,044	606	602	431	423	490	431	405	350	20	2
Malaysia	4,440	4,440	3,900	3,900	1,560	1,560	1,560	1,560	1,560	130	130
Pakistan	480	360	528	618	480	279	300	489	311	10	10
Philippines	217	122	143	225	118	506	220	307	1,385	120	100
Singapore	2,000	2,000	2,000	1,998	2,000	1,960	1,920	1,920	1,920	160	160
South Korea	14,404	16,238	14,533	13,772	13,091	14,199	13,112	13,927	11,957	1,265	763
Syria	180	120	0	120	120	120	120	120	0	0	0
Taiwan	8,093	7,071	5,883	4,583	4,703	4,140	4,494	4,576	4,569	375	310
Thailand	3,540	3,538	4,500	3,952	3,074	3,131	4,259	3,000	3,000	250	250
Turkey	2,422	2,135	2,337	2,259	2,136	2,416	3,110	3,215	3,202	231	387
United Arab Emirates	3,000	2,400	2,400	2,400	4,200	4,800	4,800	3,600	3,600	300	300
Vietnam	2,000	2,000	3,600	5,457	6,000	6,000	6,000	4,200	3,600	300	300
Other Asia	1,860	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	180	180
AMERICA											
Argentina	778	752	882	560	833	878	596	674	420	33	60
Bolivia	480	480	480	480	480	480	480	480	480	40	40
Brazil	5,628	3,546	6,073	4,600	4,606	17,258	10,009	9,357	9,398	936	844
Canada	2,882	2,601	2,360	2,740	3,238	2,887	2,562	2,489	2,387	218	201
Chile	242	199	132	96	152	111	82	95	111	15	5
Colombia	348	320	308	286	243	300	280	271	248	30	30
Mexico	3,898	3,493	3,393	3,769	3,615	4,160	4,197	4,906	4,779	433	400
Peru	216	216	220	216	216	216	216	216	216	18	18
U.S.A.	30,365	30,691	29,193	28,800	30,644	29,455	31,476	34,664	31,057	3,373	2,784
Venezuela	335	205	187	178	90	59	19	16	12	1	1
Other America	600	420	420	420	420	420	420	420	420	35	35
OCEANIA											
Australia	579	480	516	427	467	215	259	284	375	20	20
New Zealand	66	73	19	18	19	7	49	46	41	5	0
WORLD TOTAL	381,772	360,887	359,960	381,439	361,943	387,563	381,702	378,582	368,742	26,609	26,234

Source : World Bureau of Metal Statistics