



MAY TIN MARKET REVIEW

Kuala Lumpur Tin Market (KLTM)

The month of May again saw no tin traded on the KLTM. This was the fourth month in a row where the market recorded no transaction. The reason being that there was shortage of tin for offering on this local physical tin market.

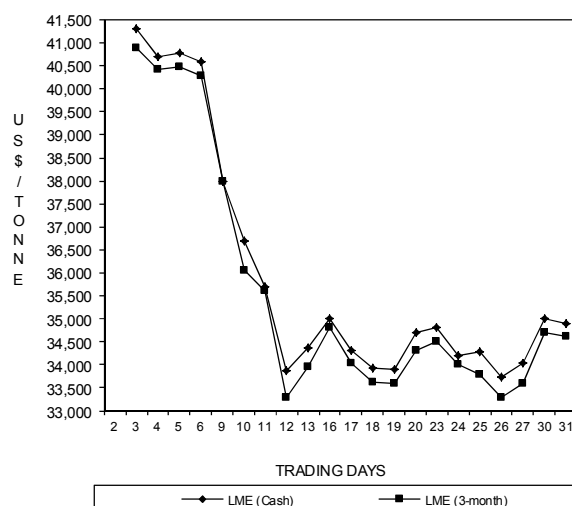
London Metal Exchange (LME)

Overall, tin trading on the LME during the month of May declined during the first two trading weeks, and traded range-bounded during the remaining weeks, reflecting the trading movement of other base metals on the Exchange.

The market commenced the trading month at US\$41,300 per tonne for cash tin and US\$40,900 per tonne for 3-month tin, being their respective highest price level for the month. Thereafter, it softened towards end of the first trading week to close lower. The market decline was due to weak demand for the metal arising from the strengthening of the US dollar.

The weak demand continued during the second trading week which further pressured the tin price to decline but rebounded at end of the week on technical correction.

LME TIN PRICES
MAY 2022



INSIDE THIS ISSUE

MAY TIN MARKET REVIEW

KLTM | LME

NEWS HIGHLIGHT

Prospect Still Intact for MSC on High Global Tin Demand

NEWS ROUND-UP

Tata to Expand Tinplate Production Capacity

Smelter Maintenance and Covid-19 Prevention

Impacted Minsur's Output

Myanmar to Review Mine Safety Protocols

Indonesia to Review Tin Export Licenses

TIN STATISTICS

KLTM & LME Tin Prices

World Refined Tin Stocks

Production, Number of Mines & Employment by Mining Methods

Malaysian Production, Import & Export

Domestic Tin Consumption

World Mine Production

World Refined Tin Consumption

The tin price rose at the opening of the third trading week. It eased thereafter for three consecutive days before bouncing back at end of the trading week. The upward momentum was due to strong demand as traders took advantage of the earlier lower prices.

The price incline persisted at the start of the fourth trading week. Afterwards, it declined to record the month's lowest price level for cash tin at US\$33,725 and US\$33,300 per tonne for 3-month tin, both recorded on 26th May. It regained some strength towards end of the trading week.

Supported by strong demand, the tin market continued to scale upward at the start of the short final trading week before easing slightly to close the trading month of May at US\$34,900 per tonne for cash tin and US\$34,625 per tonne for 3-month tin.

The month's average LME cash tin price was US\$35,945 per tonne while the average price for 3-month tin was US\$35,617 per tonne. There were 21 days of tin trading on the LME in May.

NEWS HIGHLIGHT

Prospect Still Intact for MSC on High Global Tin Demand

The sun may be setting for Malaysia Smelting Corp Bhd's (MSC) 120-year-old plant here, but the company's overall prospects are still very much intact once its plant in Pulau Indah, Selangor, reaches full capacity to cater to the growing global demand for tin. MSC group chief operating officer Raveentiran Krishnan said the company's new plant in Pulau Indah is ramping up production and more time is needed for it to reach full capacity.

"We will slowly phase out our Butterworth smelting plant over the next two to three years and then move operations to Pulau Indah. The old smelter will then be demolished to give way to a commercial and residential development in the area," he told *Bernama*.

Built in 1902 by The Straits Trading Co, the iconic Butterworth smelting plant, once a significant contributor to the country's economy, has stood the test of time and witnessed various incidents like the World War II and 1985's tin price crisis, which led to the collapse of the Association of Tin Producing Countries (ATPC).

When the Japanese overran the plant during World War II, he said the plant's tin smelting operations were completely stopped as it was used to produce parts for their war machinery including bicycle, motorcycles and vehicles to facilitate their war in Malaya. Despite the crash of the tin market in 1985, when ATPC was unable to rein in tin prices, MSC managed to continue its operations at the Butterworth plant against all odds.

"The market crashed and tin price fell all the way down to RM20 per kg and it remained at that level until 2003. Countries like China and Indonesia started producing more and more thus making the demand lower compared to supply," he said.

However, tin price began to recover around 2004 on strong demand due to its nature as a technology metal and in line with the rise in the manufacturing of telecommunications and consumer electronics to meet rising demand. The global technology boom is very much a catalyst for the tin market with its application not only limited to the traditional use of soldering and tin plating but also includes batteries in electric vehicles, solar panels and tin chemicals.

"We are also working very hard to develop new applications for tin in cooperation with the UK-based International Tin Association as well as other parties to be able to sustain the use of tin. In the post-application side, there is also growing momentum to recycle tin by extracting it from electronics components and tin chemicals so that we will not have to just focus on mining," he said.

In terms of production, he said MSC could currently smelt up to about 30,000 tonnes of tin concentrates per annum and would likely rise to about 40,000 tonnes in the near future.

(Source: *The Star*, 30 May 2022)

NEWS ROUND-UP

Tata to Expand Tinplate Production Capacity

Tinplate Company India Ltd. (TCIL), a subsidiary of Tata Steel, operates a tinplate line in Jamshedpur, India. The line currently has a capacity of some 379,000 tonnes of tinplate and tin-free steel. The company plans to nearly double its tinplate capacity line by 2025 following strong demand in recent years.

Tinplate markets have rebounded over the course of the Covid-19 pandemic. Demand for tinplate over the last decade has been declining, with traditional food and

beverage markets challenged. Aluminium drinks cans, plastic-coated food cans and plastic pouches have all replaced tinplate in these markets. However, none have the same long-life properties as tinplate, and so in times of uncertainty, canned food demand has resurged.

The company's three-year expansion project will start this year, and will boost Jamshedpur's capacity to 679,000 tonnes. TCIL aims to reach 1 million tonnes capacity by 2030.

Smelter Maintenance and Covid-19 Prevention Impacted Minsur's Output

Production at Minsur's Peruvian tin operations declined during the first quarter due to smelter maintenance and Covid-19 preventative measures.

Minsur is one of the world's largest tin producers, and operates the San Rafael tin mine and B2 tailings reprocessing project in Peru, along with its Pisco smelter.

During the January to March 2022 period, the grade of processed material increased to 2.18 per cent Sn from 2.00 per cent Sn last year, and 2.06 per cent Sn the previous quarter. Head grades at both San Rafael and B2 improved to raise the average.

Mined tin production, however, declined compared to a year earlier. Covid-19 cases in Peru rose rapidly to a peak of nearly 100,000 cases daily in January 2022, forcing Minsur to operate its processing plant at lower capacity in order to prevent the spread of Covid-19 amongst its workers. As such, feed material declined, quarter-on-quarter and year-on-year, by 19 and 8 per cent, respec-

tively, resulting in a combined output of 6,818 tonnes of tin which, however, was higher by 1 per cent, quarter-on-quarter and 6 per cent higher, year-on-year.

Despite the higher tin production at the processing plant, refined tin output at Pisco declined during the first quarter. The smelter produced some 5,903 tonnes of metal, 7 per cent lower, year-on-year and 11 per cent lower, quarter-on-quarter. Annual maintenance at the smelter was brought forward a month into March, resulting in the lower output.

Minsur's costs of production rose during the first quarter. Quarter-on-quarter and year-on-year cash cost rose by 11 and 33 per cent, respectively, averaging US\$10,999 per tonne. Higher costs were primarily due to lower throughput at the processing plant, although higher input costs were also a factor.

Meanwhile, the company's exploration activities resumed during the quarter after being postponed last year.

Myanmar to Review Mine Safety Protocols

An explosion on 4th May 2022 at a mine site in the major mining region of Man Maw, Myanmar killed nine workers and injured 30 others. The local government, as a result, issued a statement calling for a review of mine safety protocols.

The review will take place over the next three months. Although the statement states that "all sub-standard mines will be closed" for that period, local sources indicate that this will not happen. The local government will instead review mines individually, closing them for a shorter period.

Indonesia to Review Tin Export Licenses

Indonesian tin export is expected to be interrupted further this year as the government is set to review export licenses in June. The country's export licenses have regularly caused disruption to its tin industry, as have already been seen this year.

Indonesia's regulations require all smelters to source ore from their own mining concessions, whether they are mining directly or purchasing from contractors. Smelters must also submit a Work Plan and Budget (RKAB), which outline their mine production for the year. Based on these, smelters are given export quotas for the year.

Control of the export licenses for 2022 has been switched from local governments to the central Indonesian government in Jakarta via the Ministry of Energy and Natural Resources (ESDM). The Ministry has imposed tighter checks on RKABs which, as a result, have disrupted export earlier this year. Because of these stricter regulations, some private smelters were issued temporary licenses while having their paperwork processed.

These temporary licenses, however, are now up for review. According to a spokesman from the Indonesian Tin Exporters Association (AETI), "Some may not be able to fulfill the requirements". Thus, their export quotas could be revised, or their licenses revoked.

The spokesman explained that the problem is when smelters report producing more than what it should possibly be. "Those with land of less than 100 hectares but producing over 1,000 tonnes....doesn't make sense even on paper", he quoted as an example. It is unlikely that there will be significant impact to tin exports. The spokesman confirmed that "Bigger smelters should still be around and pass".

Major tin traders have also confirmed that their suppliers have already had their licenses reviewed and are not expecting disruption.

(Source: International Tin Association Ltd. UK)

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)
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
2020	17,504		19	4,088	17,134	17,079
2021	26,589		16	1,955	32,584	31,105
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
Apr.		C L O S E D			15,039	14,949
May	15,110		17	268	15,410	15,231
Jun.	16,605		18	374	16,806	16,627
Jul.	17,287		16	358	17,452	17,375
Aug.	17,515		18	343	17,672	17,649
Sep.	17,846		21	444	17,946	17,962
Oct.	18,026		18	383	18,154	18,152
Nov.	18,433		20	413	18,568	18,539
Dec.	19,693		23	509	19,727	19,643
2021 Jan.	22,085		17	314	21,955	21,596
Feb.	25,965		25	456	26,717	24,415
Mar.	26,162		21	494	27,396	25,079
Apr.	27,106		16	327	28,427	26,568
May	31,132		17	298	32,524	29,736
Jun.	31,857		12	61	32,678	30,829
Jul.		C L O S E D			34,183	33,010
Aug.		C L O S E D			35,205	34,352
Sep.		C L O S E D			35,048	34,109
Oct.		C L O S E D			37,962	36,567
Nov.		C L O S E D			39,333	38,042
Dec.	39,500		5	5	39,574	38,956
2022 Jan.	41,007		5	21	41,807	41,344
Feb.		NO TRANSACTION			44,118	43,820
Mar.		NO TRANSACTION			44,249	43,917
Apr.		NO TRANSACTION			43,122	42,644
May		NO TRANSACTION			35,945	35,617
2022 May 2		C L O S E D			CLOSED	
3		C L O S E D			41,300	40,900
4		C L O S E D			40,700	40,425
5		NO TRANSACTION			40,775	40,475
6		NO TRANSACTION			40,585	40,275
9		NO TRANSACTION			38,000	38,000
10		NO TRANSACTION			36,700	36,045
11		NO TRANSACTION			35,700	35,625
12		NO TRANSACTION			33,875	33,305
13		NO TRANSACTION			34,375	33,950
16		NO TRANSACTION			35,000	34,825
17		NO TRANSACTION			34,325	34,050
18		NO TRANSACTION			33,925	33,625
19		NO TRANSACTION			33,900	33,600
20		NO TRANSACTION			34,705	34,325
23		NO TRANSACTION			34,800	34,500
24		NO TRANSACTION			34,200	34,000
25		NO TRANSACTION			34,300	33,800
26		NO TRANSACTION			33,725	33,300
27		NO TRANSACTION			34,050	33,600
30		NO TRANSACTION			35,000	34,700
31		NO TRANSACTION			34,900	34,625

Sources : The Kuala Lumpur Tin Market
London Metal Exchange

Note : As from 1 February 2001, KLTM price is quoted in U.S. Dollar
* KLTM's monthly average price is arrived at on a weighted average against total tonnage basis.

WORLD REFINED TIN STOCKS

Period	LME Stock	COUNTRY STOCKS							Total Country Stocks	Total Commercial Stocks	US Strategic Stockpile
		Germany	U.K	Indonesia*	Japan	Malaysia*	Brazil*	U.S.A			
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	7,130	2,130	955	8600*	1,806	400*	3600*	5,920	23,217	35,678	4,020
2020	1,890	2,130	955	8600*	1,473	271*	3600*	5,100	22,129	29,464	4,020
2021	2,045	2,130	955	8600*	1,545	377*	3600*	4,530	21,737	25,142	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.	7,130	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*	4,780	22,546	36,171	4,020
Feb.	7,440	2,130	955	8600*	1,966	400*	3600*	4,780	22,431	36,261	4,020
Mar.	6,205	2,130	955	8600*	1,966	268*	3600*	4,780	22,211	32,855	4,020
Apr.	5,375	2,130	955	8600*	1,761	268*	3600*	4,780	22,094	31,171	4,020
May.	2,455	2,130	955	8600*	1,850	268*	3600*	5,090	22,183	28,129	4,020
Jun.	4,230	2,130	955	8600*	1,697	268*	3600*	5,080	22,330	29,666	4,020
Jul.	3,675	2,130	955	8600*	1,645	268*	3600*	5,070	22,268	29,226	4,020
Aug.	5,040	2,130	955	8600*	1,520	268*	3600*	5,080	22,143	30,811	4,020
Sep.	5,550	2,130	955	8600*	1,663	432*	3600*	5,100	22,480	31,518	4,020
Oct.	4,533	2,130	955	8600*	1,621	432*	3600*	5,060	22,398	31,119	4,020
Nov.	3,805	2,130	955	8600*	1,473	432*	3600*	5,100	22,290	31,100	4,020
Dec.	1,890	2,130	955	8600*	1,473	271*	3600*	5,100	22,129	29,464	4,020
2021											
Jan.	820	2,130	955	8600*	1,570	271*	3600*	5,240	22,366	29,477	4,020
Feb.	1,745	2,130	955	8600*	1,578	271*	3600*	5,910	23,044	33,151	4,020
Mar.	1,740	2,130	955	8600*	1,573	181*	3600*	4,540	21,579	31,734	4,020
Apr.	1,245	2,130	955	8600*	1,573	181*	3600*	4,550	21,589	30,572	4,020
May	755	2,130	955	8600*	1,573	181*	3600*	4,550	21,589	28,232	4,020
Jun.	2,015	2,130	955	8600*	1,573	181*	3600*	4,500	21,539	27,012	4,020
Jul.	2,290	2,130	955	8600*	1,573	181*	3600*	4,460	21,499	26,954	4,020
Aug.	1,395	2,130	955	8600*	1,581	181*	3600*	4,440	21,487	24,199	4,020
Sep.	1,235	2,130	955	8600*	1,518	265*	3600*	4,440	21,508	24,344	4,020
Oct.	670	2,130	955	8600*	1,518	265*	3600*	4,510	21,508	23,287	4,020
Nov.	1,285	2,130	955	8600*	1,548	265*	3600*	4,530	21,508	24,894	4,020
Dec.	2,045	2,130	955	8600*	1,545	377*	3600*	4,530	21,737	25,142	4,020
2022											
Jan.	2,390	2,130	955	8600*	1,545	181*	3600*	5,040	22,051	27,505	4,020
Feb.	2,245	2,130	955	8600*	1,550	181*	3600*	5,060	22,076	27,342	4,020
Mar.	2,000	2,130	955	8600*	1,550	181*	3600*	4,930	21,946	26,557	4,020
Apr.	2,010	2,130	955	8600*	1,550	200*	3600*	4,930	21,965	25,920	4,020

* : at producer

n.y.a : not yet available

Source : World Bureau of Metal Statistics

MALAYSIAN 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.
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	3,611	13	1,387	-	-	-	-	-	-	3,103	13	1,201	-	-	-	244	-	-	264	11	186
2020	2,963	14	1,534	-	-	-	-	-	-	2,780	10	1,348	-	-	-	125	-	-	58	11	186
2021**	2,979	13	1,844	-	-	-	-	-	-	2,796	13	1,624	-	-	-	119	-	-	64	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
2020																					
Jan.	289	12	1,434	-	-	-	-	-	-	273.0	12	1,248	-	-	-	11.4	-	-	3.6	11	186
Feb.	266	12	1,387	-	-	-	-	-	-	234.0	12	1,201	-	-	-	20.1	-	-	11.4	12	186
Mar.	162	13	1,550	-	-	-	-	-	-	143.9	13	1,364	-	-	-	13.2	-	-	4.6	12	186
Apr.	36	13	1,410	-	-	-	-	-	-	34.2	13	1,224	-	-	-	1.8	-	-	-	12	186
May	252	13	1,401	-	-	-	-	-	-	233.4	13	1,215	-	-	-	15.5	-	-	3.2	11	186
Jun	278	12	1,391	-	-	-	-	-	-	261.4	12	1,205	-	-	-	12.0	-	-	4.4	11	186
July	272	12	1,411	-	-	-	-	-	-	258.4	12	1,225	-	-	-	9.0	-	-	4.2	11	186
Aug.	277	13	1,567	-	-	-	-	-	-	263.7	13	1,381	-	-	-	9.2	-	-	3.8	11	186
Sep.	292	14	1,572	-	-	-	-	-	-	274.5	14	1,386	-	-	-	11.7	-	-	5.8	11	186
Oct.	295	13	1,562	-	-	-	-	-	-	283.7	13	1,376	-	-	-	6.9	-	-	4.1	11	186
Nov.	272	14	1,573	-	-	-	-	-	-	257.1	14	1,387	-	-	-	6.0	-	-	8.4	11	186
Dec.	272	10	1,534	-	-	-	-	-	-	261.4	10	1,348	-	-	-	7.1	-	-	3.3	11	186
2021**																					
Jan.	278	10	1,539	-	-	-	-	-	-	252.1	10	1,353	-	-	-	19.0	-	-	6.5	11	186
Feb.	257	11	1,541	-	-	-	-	-	-	238.9	11	1,355	-	-	-	12.5	-	-	5.5	11	186
Mar.	290	10	1,550	-	-	-	-	-	-	271.9	10	1,364	-	-	-	12.9	-	-	5.0	11	186
Apr.	294	11	1,551	-	-	-	-	-	-	277.7	11	1,365	-	-	-	11.0	-	-	5.5	11	186
May.	262	11	1,508	-	-	-	-	-	-	244.5	11	1,322	-	-	-	11.3	-	-	5.8	11	186
Jun.	44	10	1,450	-	-	-	-	-	-	40.1	10	1,264	-	-	-	0.0	-	-	4.2	11	186
Jul.	204	10	1,450	-	-	-	-	-	-	199.2	10	1,264	-	-	-	1.0	-	-	3.7	11	186
Aug.	233	9	1,547	-	-	-	-	-	-	218.1	9	1,361	-	-	-	11.4	-	-	3.7	11	186
Sep.	262	10	1,794	-	-	-	-	-	-	245.4	10	1,608	-	-	-	11.4	-	-	4.8	11	186
Oct.	292	12	1,358	-	-	-	-	-	-	276.2	12	1,138	-	-	-	11.0	-	-	4.7	11	220
Nov.	270	13	1,844	-	-	-	-	-	-	255.6	13	1,624	-	-	-	9.0	-	-	5.7	11	220
Dec.	294	13	1,844	-	-	-	-	-	-	276.2	13	1,624	-	-	-	8.1	-	-	9.4	11	220
2022**																					
Jan.	234	13	1,743	-	-	-	-	-	-	218.6	13	1,557	-	-	-	7.9	-	-	7.2	11	186
Feb.	252	12	1,736	-	-	-	-	-	-	234.2	12	1,550	-	-	-	6.5	-	-	10.9	11	186
Mar.	306	12	2,302	-	-	-	-	-	-	272.9	12	2,117	-	-	-	11.4	-	-	21.8	11	185

Source : Department of Mineral and Geoscience Malaysia

* Aggregate number of mines does not include Retreatment units

Note : ** 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
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	3,611	25,644	24,387	1,441	24,418
2020	2,963	22,288	22,367	1,512	22,597
2021*	2,980	322	16,634	1,156	16,441
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
2020	3,596	25,644	24,387	1,441	24,418
Jan.	289	2,136	2,314	93	2,180
Feb.	266	1,449	1,880	119	2,226
Mar.	162	1,105	1,228	71	1,191
Apr.	36	1,198	1,110	75	933
May.	252	2,187	1,344	99	1,516
Jun.	278	1,927	1,926	190	1,644
Jul.	272	1,972	1,819	150	2,240
Aug.	277	2,785	2,672	151	2,290
Sep.	292	2,398	2,057	138	2,198
Oct.	295	1,565	2,078	146	2,126
Nov.	272	1,536	1,974	125	2,108
Dec.	272	2,030	1,965	155	1,945
2021*					
Jan.	278	28	1,639	145	1,770
Feb.	257	29	1,847	70	1,765
Mar.	290	46	2,041	113	1,982
Apr.	294	47	1,680	115	1,836
May.	262	26	1,861	91	1,638
Jun.	44	0	695	86	894
Jul.	204	21	973	84	507
Aug.	233	19	1,115	86	1,085
Sep.	262	59	1,221	85	1,599
Oct.	292	16	1,349	98	1,165
Nov.	270	10	1,086	91	1,172
Dec.	294	21	1,127	92	1,028
2022*					
Jan.	234	n.y.a	n.y.a	n.y.a	n.y.a
Feb.	252	n.y.a	n.y.a	n.y.a	n.y.a
Mar.	306	n.y.a	n.y.a	n.y.a	n.y.a

* : Preliminary

n.y.a : Not yet available

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

MALAYSIA'S DOMESTIC TIN CONSUMPTION (In Tonnes)

PERIOD	TOTAL CONSUMPTION	SOLDER *	TINPLATE	PEWTER	OTHERS *
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
2020	1,512	738	626	8	140
2021**	1,156	395	710	6	45
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.	93	40	48	0	5
Feb.	119	62	52	0	5
Mar.	71	22	45	0	4
Apr.	75	19	53	0	3
May	99	49	44	0	6
Jun.	190	74	67	3	46
Jul.	150	84	55	3	8
Aug.	151	49	65	0	37
Sep.	138	85	46	0	7
Oct.	146	77	59	0	10
Nov.	125	78	40	2	5
Dec.	155	99	52	0	4
2021**					
Jan.	145	73	66	1	5
Feb.	70	30	37	0	3
Mar.	113	40	68	0	5
Apr.	115	39	68	1	7
May	91	40	46	0	5
Jun	86	29	50	0	7
Jul.	84	20	64	0	0
Aug.	86	25	57	0	4
Sep.	85	30	53	2	0
Oct.	98	29	69	0	0
Nov.	91	20	69	2	0
Dec.	92	20	63	0	9
2022**					
Jan.	n.y.a	n.y.a	56	n.y.a	n.y.a
Feb.	n.y.a	n.y.a	69	n.y.a	n.y.a
Mar.	n.y.a	n.y.a	58	n.y.a	n.y.a
Apr.	n.y.a	n.y.a	67	n.y.a	n.y.a
May	n.y.a	n.y.a	54	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
Perstima 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 which are actual tin consumption data.

WORLD MINE PRODUCTION

(In Tonnes)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2022	2022
												Jan	Feb	Mar
EUROPE														
Portugal	45	24	24	84	96	48	56	60	108	108	108	9	9	9
Spain	-	-	-	-	-	7	23	32	147	74	49	2	2	2
Russia	612	600	600	240	240	1,140	702	1,200	2,264	2,538	2,920	244	250	182
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AFRICA														
Burundi	-	-	-	-	-	51	123	126	143	121	127	47	50	50
Democ. Rep. Congo	4,800	2,462	5,220	4,116	2,977	4,128	7,145	9,000	6,250	13,508	15,000	1,500	1,500	1,500
Egypt	-	-	87	12	-	-	-	-	-	-	-	-	-	-
Namibia	-	-	-	-	-	-	-	-	9	242	499	45	53	50
Nigeria	1,800	2,400	2,590	2,425	2,100	3,827	5,964	8,784	7,020	5,848	6,900	500	500	500
Rwanda	4,167	3,493	3,600	4,245	2,017	2,621	3,508	2,400	2,223	1,692	2,122	150	150	150
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	-	-	-	-	-	104	68	6	18	1,600	1,200	100	100	100
Uganda	-	-	-	-	-	-	66	53	50	-	-	-	-	-
ASIA														
China	127,400	115,900	148,981	177,300	146,600	153,100	163,000	157,500	142,900	161,300	152,200	10,500	10,500	10,500
Indonesia	78,000	78,000	84,000	69,600	68,400	60,000	60,000	84,000	86,400	65,400	60,000	5,000	5,000	5,000
Kazakhstan	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Laos	1,200	766	745	840	815	1,308	779	566	1,156	1,237	1,415	249	157	200
Malaysia	3,346	3,639	3,685	3,600	3,731	4,123	3,967	3,999	4,080	3,183	3,180	265	265	265
Mongolia	24	24	44	72	240	36	50	60	110	120	120	10	10	10
Myanmar	534	658	8,943	17,475	2,400	47,435	58,883	45,900	33,750	29,100	29,544	1,800	1,800	4,300
Thailand	252	199	119	131	45	124	705	720	720	720	720	60	60	60
Vietnam	5,400	5,400	5,400	5,400	3,600	5,520	4,560	4,560	5,520	5,420	5,400	450	450	450
AMERICA														
Bolivia	20,373	19,701	16,976	19,548	20,135	17,614	17,973	17,259	17,194	14,710	19,462	1,700	1,700	1,700
Brazil	8,200	10,800	13,800	13,800	13,800	25,500	18,000	18,000	18,000	15,000	17,168	1,500	1,500	1,500
Peru	29,022	26,097	23,661	12,105	19,511	18,789	17,790	18,601	19,683	20,647	26,995	2,410	2,043	2,366
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCEANIA														
Australia	15,400	6,014	5,888	7,042	7,056	6,635	7,217	6,871	7,738	7,836	8,691	600	600	600
WORLD TOTAL	300,575	276,183	324,363	349,035	315,363	351,948	370,299	379,482	355,116	320,452	353,820	26,942	26,699	29,494

Source : World Bureau of Metal Statistics

- : Nil

WORLD REFINED TIN CONSUMPTION (In Tonnes)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2022	2022	2022
												Jan	Feb	Mar	Apr
EUROPE															
Austria	3,200	2,978	3,184	3,715	3,438	3,323	4,148	3,983	3,082	2,960	4,057	250	200	204	200
Belgium	6,584	5,231	5,400	2,400	2,400	2,400	697	720	720	720	720	60	60	60	60
Bulgaria	520	500	501	360	144	101	1	117	210	240	303	20	20	20	20
Czech Republic	470	474	379	300	460	515	532	603	605	335	439	36	22	24	29
Denmark	108	13	24	11	8	3	17	7	1	10	17	1	1	1	1
Finland	131	121	72	244	211	86	51	77	94	72	95	3	10	18	20
France	4,839	4,323	4,616	5,203	4,382	4,736	5,456	6,080	5,020	4,982	3,643	242	280	351	471
Germany	19,788	17,592	17,896	18,835	17,931	18,242	20,284	20,236	18,441	14,898	16,052	1,000	1,252	1,410	1,561
Greece	1,350	630	616	676	655	632	600	646	634	637	646	50	60	50	50
Hungary	106	105	111	109	163	145	1,177	2,050	2,036	1,714	1,706	100	100	130	130
Ireland	48	7	3	3	7	4	0	2	0	0	1	0	0	0	0
Italy	4,807	6,111	3,096	3,760	3,017	3,495	3,974	4,678	4,324	3,402	4,153	300	300	522	500
Netherlands	4,867	4,500	7,399	7,200	6,000	6,000	6,000	6,000	6,000	5,400	5,400	450	450	450	450
Norway	5	9	5	3	3	0	1	1	1	10	0	0	0	0	0
Poland	1,582	2,085	1,908	2,520	2,647	3,669	3,537	3,723	3,335	1,580	1,012	125	50	30	30
Portugal	529	435	356	482	408	554	856	891	831	463	476	60	90	10	10
Romania	1,140	960	3,200	960	840	336	516	866	551	442	554	25	20	50	50
Russia	2,960	3,039	3,196	1,516	1,262	995	1,339	495	1,914	1,443	2,015	99	175	175	175
Slovakia	400	240	202	404	501	465	645	767	593	614	669	40	27	68	47
Spain	2,032	1,303	1,913	1,470	1,864	1,495	1,605	1,652	1,563	1,898	1,715	160	100	200	200
Sweden	5,742	2,910	4,385	6,435	5,682	6,492	5,457	6,020	5,835	5,343	6,105	600	530	549	550
Switzerland	200	55	861	66	81	47	69	45	60	44	46	1	10	10	10
United Kingdom	703	780	821	794	962	979	936	961	262	102	80	2	14	12	4
Yugoslavia	2,390	1,320	1,140	1,080	1,080	1,080	1,080	1,080	1,080	240	960	80	80	80	80
Other Europe	900	720	720	720	720	720	720	720	720	530	480	40	0	40	40
AFRICA															
Egypt	400	110	104	0	155	107	119	225	174	139	181	20	15	15	15
Morocco	84	84	29	14	16	21	15	22	20	22	27	3	0	2	5
Nigeria	300	300	300	300	300	300	623	1,436	1,322	240	240	20	20	20	20
South Africa	1,464	1,200	1,152	1,243	1,129	1,047	957	633	604	326	340	59	24	36	44
Other Africa	900	720	720	720	720	720	720	720	720	530	480	40	0	40	40
ASIA															
China	180,812	176,404	168,194	192,610	175,842	191,415	183,391	174,183	177,891	216,152	191,061	13,800	13,487	16,747	18,109
Hong Kong	1,800	1,800	1,800	1,800	1,800	1,800	1,800	3,300	3,600	480	1,359	130	130	130	130
India	9,738	9,985	9,941	11,870	12,857	9,088	9,861	11,365	10,615	9,734	10,566	912	900	910	900
Indonesia	1,200	1,200	600	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	100	100	100	100
Iran	2,400	1,200	797	737	1,129	987	1,058	1,573	2,221	2,261	1,600	100	100	100	100
Japan	26,936	27,657	28,272	27,090	26,762	26,113	29,111	28,084	24,905	20,198	28,383	1,923	2,233	2,130	1,794
Kazakhstan	1,044	606	602	431	423	490	431	405	350	287	0	5	50	50	0
Malaysia	4,440	4,440	3,900	3,900	1,560	1,560	1,560	1,560	1,560	1,560	1,560	130	130	130	130
Pakistan	480	360	528	618	480	279	300	489	311	194	322	16	16	15	0
Philippines	217	122	143	225	118	506	220	307	1,385	776	1,045	75	24	16	97
Singapore	2,000	2,000	2,000	1,998	2,000	1,960	1,920	1,920	1,920	1,720	1,920	160	160	160	160
South Korea	14,404	16,238	14,533	13,772	13,091	14,199	13,112	13,927	11,957	13,405	14,457	1,135	858	1,229	1,274
Syria	180	120	0	120	120	120	120	120	0	0	0	0	0	0	0
Taiwan	8,093	7,071	5,883	4,583	4,703	4,140	4,494	4,576	4,569	10,096	8,772	580	742	861	900
Thailand	3,540	3,538	4,500	3,952	3,074	3,131	4,259	3,000	3,000	3,000	3,000	250	250	250	250
Turkey	2,422	2,135	2,337	2,259	2,136	2,416	3,110	3,215	3,202	3,746	4,158	350	522	576	529
United Arab Emirates	3,000	2,400	2,400	2,400	4,200	4,800	4,800	3,600	3,600	2,160	2,160	180	180	180	180
Vietnam	2,000	2,000	3,600	5,457	6,000	6,000	6,000	4,200	3,600	4,639	4,622	380	380	380	380
Other Asia	1,860	2,160	2,160	2,160	2,160	2,160	2,160	2,160	2,160	1,690	1,560	130	0	130	130
AMERICA															
Argentina	778	752	882	560	833	878	596	674	420	1,108	799	40	35	26	39
Bolivia	480	480	480	480	480	480	480	480	480	480	480	40	40	40	40
Brazil	5,628	3,546	6,073	4,600	4,606	17,258	10,009	9,357	9,398	3,333	2,466	40	85	84	100
Canada	2,882	2,601	2,360	2,740	3,238	2,887	2,562	2,489	2,387	1,871	3,264	148	493	351	350
Chile	242	199	132	96	152	111	82	95	111	133	130	16	5	5	7
Colombia	348	320	308	286	243	300	280	271	248	237	207	33	10	4	5
Mexico	3,898	3,493	3,393	3,769	3,615	4,160	4,197	4,906	4,779	4,406	4,661	400	400	454	450
Peru	216	216	220	216	216	216	216	216	216	198	216	18	18	18	18
U.S.A.	30,365	30,691	29,193	28,800	30,644	29,455	31,476	34,664	31,057	29,191	34,559	4,736	2,297	2,773	1,812
Venezuela	335	205	187	178	90	59	19	16	12	10	12	1	1	1	1
Other America	600	420	420	420	420	420	420	420	420	275	240	20	0	20	20
OCEANIA															
Australia	579	480	516	427	467	215	259	284	375	255	317	0	20	49	54
New Zealand	66	73	19	18	19	7	49	46	41	30	65	0	5	0	12
WORLD TOTAL	381,772	360,887	359,960	381,439	361,943	387,563	381,702	378,582	368,742	384,161	377,773	29,735	27,582	32,497	32,884