



JULY TIN MARKET REVIEW

Kuala Lumpur Tin Market (KLTM)

The KLTM remained quiet with again no trade being transacted during the month of July. The last transaction recorded was in January 2022. The absence of refined tin metal being offered for sale was the primary reason for the lack of trading on this local physical tin market.

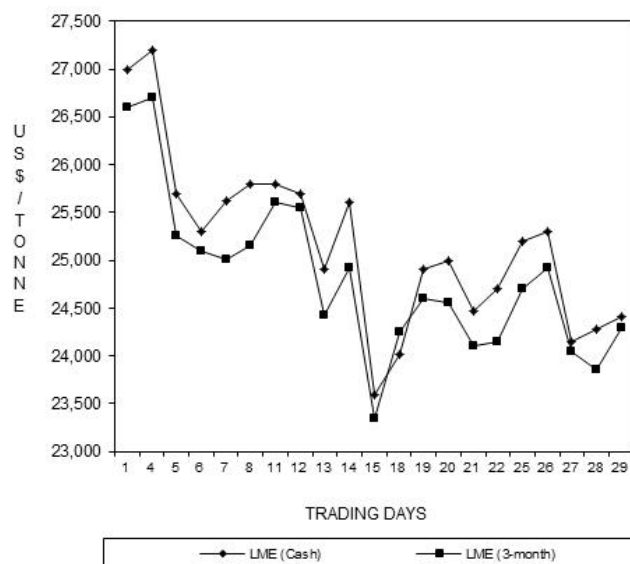
London Metal Exchange (LME)

Due to weak demand, tin trading on the LME in July declined further, a follow through from June's downward momentum. This was in line with the trading movement of most other base metals traded on the LME during the month.

The first trading week commenced with cash tin recording a price of US\$27,000 per tonne and 3-month tin of US\$26,600 per tonne. It was a short trading week with only one day of trading conducted.

Backed by some good demand, the market rose at the opening of the second trading week to reach the month's highest price level on 4 July for cash and 3-month tin at US\$27,195 and US\$26,705 per tonne, respectively. It declined for a number of days, thereafter, before climbing towards end of the trading week.

LME TIN PRICES
JULY 2022



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The tin price softened during the early days of the third trading week, but made a brief sharp rebound before declining further to record the month's lowest price level on 15 July for cash tin at US\$23,600 per tonne and for 3-month tin at US\$23,350 per tonne due to weak demand.

The tin price revived strongly during the first half of the fourth trading week due largely to a recovery in demand, in-line with that of other base metals traded on the LME. It eased afterwards before inching-up at end of the trading week.

The incline continued during the first two days of the final trading week. Buyers actively participated in the market while sellers stayed on the sideline. Demand came particularly from overseas interests resulting from the weakening US dollar. The tin price eased during mid-week before rebounding to end the trading month of July at US\$24,405 and US\$24,300 per tonne for cash and 3-month tin, respectively.

The July average LME cash price was US\$25,173 per tonne while the average 3-month tin price was US\$24,816 per tonne.

NEWS HIGHLIGHT

Make Tin Industry an Economic Engine Once Again

We recently hosted a forum on the future of the tin industry in Malaysia. More than 300 people joined the online discussion. Apart from our own presentations, there were speakers from Indonesia, the Philippines and the United Kingdom.

Our own Datuk Sia Hok Kiang, a long-time player in the tin business in both Malaysia and Australia, gave convincing evidence of the existence of sizeable untapped tin deposits in the country. The speaker from Indonesia explained her country's laws on tin mining in forests. The Philippine speaker shared his knowledge of a sustainability certification scheme for mining.

Towards Sustainable Mining (TSM) is a standard on sustainable and responsible mining, which is now used worldwide. The speaker from the International Tin Council, the United Kingdom, provided a lucid picture of the global market for tin, strengthening the belief that tin is indeed making a comeback. The forum was moderated by Teoh Lay Hock, who has spent a lifetime working on tin.

Based on the comments and the questions, it is clear that we have to think about a new roadmap for the development of the tin industry in this country. Evidently, tin deposits still exist in the country. About 1.5 million tonnes - an economically attractive source - lie just off the coast of Peninsular Malaysia.

Going by the recent high price of tin, which exceeded US\$40,000 per tonne, the in-situ value of that offshore deposits alone could reach more than RM200 billion. The technology to recover this tin is worth researching.

The price dipped a bit recently because of reduced demand arising from concern over inflation in the global economy. But experts predict the robust demand will return as the supply chain issues in industrial electronics are resolved.

According to market experts, the expansion of the global demand for tin is driven by the world hunger for anything electronic. Tin is now a major metal in the solder material which glues electronic circuits together.

This is a shift away from the lead-based solder. The use of tin in the canning sector is also expected to grow. Add to that the expanding use of tin in batteries and other energy storage technology. It is no wonder experts are bullish on the world demand for tin. In fact, many view tin as a critical metal as the world embraces the green economy and sustainability.

Sustainability is a major challenge in the mining industry. Tin is no exception. That is why in any effort to revive the tin industry, the impact on the environment must be the top consideration. The mining industry all over the world now adopts sustainable mining practices. There is more automation to reduce greenhouse gas emissions and improve productivity. International environmental standards on sustainable mining like the TSM are now commonplace in the mining business.

Investment in R&D is also a key strategy to sustain the position of tin in the many applications, as well as develop sustainability practices in processing. Like most businesses, in this era of climate concerns the tin industry will also have to conform to the global environmental, social and governance standards.

Our economy has long been dependent on petroleum, palm oil and rubber. All are showing signs of reaching their limits. Petroleum is a depleting resource. The land to expand oil palm cultivation has reached a limit. Rubber struggles to regain its former glory as plantations are abandoning the crop. As the world market for tin is sending positive signals about its future, it is time we revisited the industry and make it our economic engine once again.

Source: New Straits Times, 11 July 2022

NEWS ROUND-UP

Alphamin Achieved Record Tin Production

Alphamin recorded higher tin production during the latest quarter of 2022, surpassing levels set in the previous quarter. During this second quarter, the company mined some 112,600 tonnes of ore from its Mpama North mine, which is part of its expanding Bisie complex, and some 3,180 tonnes of tin contained were produced despite slightly lower tin grades and plant recoveries.

Sales of tin concentrate, however, fell quarter-on-quarter due to a catch-up in sales during the first quarter following delayed sales from the fourth quarter of 2021. Year-to-date production of 6,241 tonnes is on track to meet the company's production guidance of 12,000 tonnes tin-in-concentrate for 2022.

Mpama North's production cost is expected to decrease by some 6 per cent as lower tin prices reduce off-mine costs such as royalties and export duties. Alphamin will be able to operate in the lower half of the tin cost curve as its All-in Sustaining Costs is only some US\$14,800.

According to Alphamin's updated Strategic Review, it has been exploring alternative methods for achieving future value for shareholders. The company has concluded that continued expansion of the Bisie complex through the development of Mpama South, rather than an outright sale, is the best course of action. The Review was initiated in November 2021.

Myanmar's Wa State Raised Mineral Export Tariff

Myanmar's Wa State government has raised export tariff on all mineral products, including tin, in its effort to navigate rising inflation. Effective 1 July 2022, its Central Economic Planning Board raised the export tariff from 25 per cent to 30 per cent.

According to Wa State government's "Provisional Regulations on the Administration of Various Mineral Products in Wa State" formulated in 2006, export tariff on mineral products is set at a rate of 30 per cent. This tariff was temporarily reduced later to 25 per cent to encourage investors to invest and reduce their investment costs. Wa

State Government contends that after more than a decade of development, investors now have already recovered their costs and made substantial profits.

Meanwhile, Wa State Government's expenditure has been rising in line with the price of goods. Considering the current market situation and its financial viability, Wa State has decided to reinstate the tariff on mineral exports from 25 per cent to 30 per cent. The flat-rate portion of the duty on low-value minerals remains unchanged.

China's Refined Tin Imports Declined Amidst Weak Demand

China's imports of refined tin declined by half in June as the large arbitrage eased amidst weaker demand for the metal.

In September 2021, tin prices on the Shanghai Futures Exchange (SHFE) rose higher than the London Metal Exchange (LME) to open an import arbitrage, thus encouraging tin metal imports into China. With the tight global tin supply during that period, less material made its way to China, the world's largest tin consumer. However, as the average arbitrage reached historic levels, more metal imports soon followed. The country's refined tin imports rose to a new record of 5,521 tonnes in May 2022.

As negative macroeconomic factors such as inflation hit the global economy, demand for tin weakened. With

imported tin in the market now in surplus, the backwardation between the spot price and the price of the main futures contract eased from over 8,000 yuan per tonne to between 2,000 to 3,000 yuan per tonne. The arbitrage followed in June, which saw imports of metal declined by some 50 per cent to 2,757 tonnes.

Although demand for refined tin fell and most smelters closed down during June and July, China's Customs Department data showed that imports of tin-in-concentrate rose in June. Estimates by the International Tin Association (ITA) indicated that roughly 4,800 tonnes were imported in June, up 24 per cent. Of this, 46 per cent came from Myanmar, whose exports doubled, month-on-month. Imports from other countries declined 7 per cent to an estimated 2,600 tonnes.

Tough Second Quarter for Renison

Metals X has released results showing a tough quarter on multiple fronts.

During the second quarter of 2022, tin production from its Renison mine declined by 13 per cent to 2,154 tonnes compared to the first quarter. The decline was due to 53 cases of Covid-19 and a large flu outbreak at the mine, which reduced man hours.

In addition, one of its production drill rigs was damaged during operations. The delays accrued during replacement reduced mined tonnages. This was somewhat offset by marginally higher mined grades and surface stockpiles.

Although the mined ore grade was 6 per cent higher, quarter-on-quarter, tin content fell short of the original mining plan. The planned operations in the high-grade Area 5 were unable to proceed due to a seismic event in February 2022. However, the material was not lost from the mine plan and Metal X intends to extract it later during the year.

Several other issues were present both in the mine and at surface during the second quarter.

In April, the company shut down its grinding mill for planned maintenance work after being postponed from March due to equipment shipping delays. Recoveries at the processing plant were marginally lower at 79.02 per cent as against its usual 79.44 per cent.

Because of the issues during the quarter, Renison's cash cost rose by some 16 per cent over the first quarter. At about US\$12,418 per tonne, its operating costs remained much below the LME benchmark tin price.

During the quarter, Metal X's tin-in-concentrate shipment to major smelters, namely MSC, Thaisarco and YTC, declined by some 41 per cent to some 879 tonnes compared to the first quarter of 2022. The realised tin price at some AU\$46,725 declined by almost 14 per cent thus reducing imputed revenue. The company, however, still made over AU\$100 million.

Source: International Tin Association Ltd. UK

SPECIAL ARTICLE

Planting Seeds of Hope

In Malaysia, the Environmental Bamboo Foundation is working with SEAD (Stewards of Environmentally Aware Developments) Plant to create the first bamboo village in the country. "The Bamboo Village Initiative is an incredibly ambitious one, but absolutely worth working towards, as it is one of the most radical climate solutions that holistically brings together the triple bottom line of social, environmental and financial impact," said Lucas Loo, SEAD executive director and founder.

Loo said they are excited about the project, to be based in Perak. They have so far identified about 390ha of land in the state – namely Sungai Siput, Batu Gajah and Sungai Raia – consisting of degraded tin mining land to plant the bamboos. SEAD Plant works closely with the Temiar community in the initiative.

"The pressure on our tropical timber forests is alarming and the money is alluring. Rural communities need to feed their families and if that comes at the expense of deforestation, many would be tempted to make a long-term sacrifice for a short-term gain. Bamboo is a game-changer in this entire paradigm. It is a resource that keeps giving, if you know how to harvest and manage it right.

"So rural communities stand to gain from sustainable economic activity in their backyard, the pressure on deforestation lightens, carbon sequestration increases, and Malaysia moves that much closer to climate resilience," said Loo, adding that their hope is to expand the Bamboo Village Initiative in Malaysia to cover 2,000ha of degraded lands by 2030.

Source: The Star, 25 July 2022

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.		34	719	20,480	20,372
	Feb.		37	628	21,268	21,172
	Mar.		50	1,046	21,444	21,359
	Apr.		38	833	20,684	20,560
	May		19	388	19,531	19,326
	Jun.		19	344	19,177	19,076
	Jul.		19	416	17,991	17,983
	Aug.		20	422	16,577	16,567
	Sep.		22	392	16,840	16,834
	Oct.		21	464	16,603	16,627
	Nov.		20	417	16,369	16,386
	Dec.		18	376	17,093	17,063
2020	Jan.		19	406	17,056	17,057
	Feb.		18	354	16,457	16,456
	Mar.		20	236	15,321	15,307
	Apr.	C L O S E D			15,039	14,949
	May		17	268	15,410	15,231
	Jun.		18	374	16,806	16,627
	Jul.		16	358	17,452	17,375
	Aug.		18	343	17,672	17,649
	Sep.		21	444	17,946	17,962
	Oct.		18	383	18,154	18,152
	Nov.		20	413	18,568	18,539
	Dec.		23	509	19,727	19,643
2021	Jan.		17	314	21,955	21,596
	Feb.		25	456	26,717	24,415
	Mar.		21	494	27,396	25,079
	Apr.		16	327	28,427	26,568
	May		17	298	32,524	29,736
	Jun.		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.		5	5	39,574	38,956
2022	Jan.		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
	Jun.	NO TRANSACTION			31,777	31,459
2022 July	Jul.	NO TRANSACTION			25,173	24,816
	1	NO TRANSACTION			27,000	26,600
	4	NO TRANSACTION			27,195	26,705
	5	NO TRANSACTION			25,700	25,250
	6	NO TRANSACTION			25,300	25,100
	7	NO TRANSACTION			25,625	25,010
	8	NO TRANSACTION			25,800	25,155
	11	C L O S E D			25,800	25,600
	12	NO TRANSACTION			25,700	25,550
	13	NO TRANSACTION			24,900	24,425
	14	NO TRANSACTION			25,600	24,925
	15	NO TRANSACTION			23,600	23,350
	18	NO TRANSACTION			24,010	24,250
	19	NO TRANSACTION			24,900	24,600
	20	NO TRANSACTION			25,000	24,550
	21	NO TRANSACTION			24,475	24,100
	22	NO TRANSACTION			24,700	24,150
	25	NO TRANSACTION			25,200	24,700
	26	NO TRANSACTION			25,300	24,925
	27	NO TRANSACTION			24,150	24,050
	28	NO TRANSACTION			24,275	23,850
	29	NO TRANSACTION			24,405	24,300

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*	1,535	181*	3600*	4,940	21,941	26,552	4,020
Apr.	2,010	2,130	955	8600*	1,551	681*	3600*	4,750	22,267	26,222	4,020
May	1,990	2,130	955	8600*	1,572	681*	3600*	4,710	22,248	26,496	4,020
Jun.	2,765	2,130	955	8600*	1,616	681*	3600*	4,710	22,292	28,808	4,020
Jul.	3,330	n.y.a	n.y.a	n.y.a	n.y.a	n.y.a	3600*	n.y.a	n.y.a	n.y.a	n.y.a

* : 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
Apr.	273	12	1,834	-	-	-	-	-	-	251.0	12	1,649	-	-	-	12.1	-	-	10.4	10	185

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
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
Apr.	273	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
Jun	n.y.a	n.y.a	50	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)

	2016	2017	2018	2019	2020	2021	2022	2022	2022	2022	2022	2022
							Jan	Feb	Mar	Apr	May	June
EUROPE												
Portugal	48	56	60	108	108	108	9	9	9	9	9	9
Spain	7	23	32	147	74	49	2	2	2	2	2	2
Russia	1,140	702	1,200	2,264	2,538	2,920	244	250	182	237	237	238
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-
AFRICA												
Burundi	51	123	126	143	121	127	47	50	50	50	50	50
DR Congo	4,128	7,145	9,000	6,250	13,508	15,000	1,500	1,500	1,500	1,500	1,500	1,500
Egypt	-	-	-	-	-	-	-	-	-	-	-	-
Namibia	-	-	-	9	242	499	45	53	50	50	52	50
Nigeria	3,827	5,964	8,784	7,020	5,848	6,900	500	500	500	500	500	500
Rwanda	2,621	3,508	2,400	2,223	1,692	2,122	150	150	150	150	150	150
South Africa	-	-	-	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	104	68	6	18	1,600	1,200	100	100	100	100	100	100
Uganda	-	66	53	50	-	-	-	-	-	-	-	-
ASIA												
China	153,100	163,000	157,500	142,900	161,300	152,200	10,500	10,500	10,500	11,000	13,800	6,600
Indonesia	60,000	60,000	84,000	86,400	65,400	60,000	5,000	5,000	5,000	5,000	5,000	5,000
Kazakhstan	-	-	2	-	-	-	-	-	-	-	-	-
Laos	1,308	779	566	1,156	1,237	1,415	249	157	200	337	54	50
Malaysia	4,123	3,967	3,999	4,080	3,183	3,180	265	265	265	265	265	265
Mongolia	36	50	60	110	120	120	10	10	10	10	10	10
Myanmar	47,435	58,883	45,900	33,750	29,100	29,544	1,800	1,800	4,300	1,900	800	800
Thailand	124	705	720	720	720	720	60	60	60	60	60	60
Vietnam	5,520	4,560	4,560	5,520	5,420	5,400	450	450	450	450	450	450
AMERICA												
Bolivia	17,614	17,973	17,259	17,194	14,710	19,462	1,700	1,700	1,700	1,500	1,500	1,500
Brazil	25,500	18,000	18,000	18,000	15,000	17,168	1,500	1,500	1,500	1,500	1,500	1,500
Peru	18,789	17,790	18,601	19,683	20,647	26,995	2,410	2,043	2,366	2,373	2,406	2,287
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-
OCEANIA												
Australia	6,635	7,217	6,871	7,738	7,836	8,691	600	600	600	900	900	900
WORLD TOTAL	351,948	370,299	379,482	355,116	320,452	353,820	26,942	26,699	29,494	27,893	29,345	22,021

Source : World Bureau of Metal Statistics

- : Nil

WORLD REFINED TIN CONSUMPTION (In Tonnes)

	2016	2017	2018	2019	2020	2021	2022	2022	2022	2022	2022	2022
							Jan	Feb	Mar	Apr	May	June
EUROPE												
Austria	3,323	4,148	3,983	3,082	2,960	4,057	250	200	204	200	328	300
Belgium	2,400	697	720	720	720	720	60	60	60	60	60	60
Bulgaria	101	1	117	210	240	303	20	20	20	20	20	20
Czech Republic	515	532	603	605	335	439	36	22	24	29	24	20
Denmark	3	17	7	1	10	17	1	1	1	1	1	1
Finland	86	51	77	94	72	95	3	10	18	0	1	1
France	4,736	5,456	6,080	5,020	4,982	3,643	242	280	351	471	284	386
Germany	18,242	20,284	20,236	18,441	14,898	16,052	1,000	1,252	1,410	1,561	1,365	1,685
Greece	632	600	646	634	637	646	50	60	50	50	50	51
Hungary	145	1,177	2,050	2,036	1,714	1,706	100	100	130	130	122	100
Ireland	4	0	2	0	0	1	0	0	0	0	0	0
Italy	3,495	3,974	4,678	4,324	3,402	4,153	300	300	522	500	479	500
Netherlands	6,000	6,000	6,000	6,000	5,400	5,400	450	450	450	450	450	450
Norway	0	1	1	1	10	0	0	0	0	0	0	0
Poland	3,669	3,537	3,723	3,335	1,580	1,012	125	50	30	30	103	32
Portugal	554	856	891	831	463	476	60	90	10	10	197	58
Romania	336	516	866	551	442	554	25	20	50	50	64	60
Russia	995	1,339	495	1,914	1,443	2,015	99	175	175	175	180	180
Slovakia	465	645	767	593	614	669	40	27	68	47	70	46
Spain	1,495	1,605	1,652	1,563	1,898	1,715	160	100	200	200	148	150
Sweden	6,492	5,457	6,020	5,835	5,343	6,105	600	530	549	550	517	541
Switzerland	47	69	45	60	44	46	1	10	10	10	13	10
United Kingdom	979	936	961	262	102	80	2	14	12	4	10	12
Yugoslavia	1,080	1,080	1,080	1,080	240	960	80	80	80	80	80	80
Other Europe	720	720	720	720	530	480	40	0	40	40	40	40
AFRICA												
Egypt	107	119	225	174	139	181	20	15	15	15	10	10
Morocco	21	15	22	20	22	27	3	0	2	5	6	4
Nigeria	300	623	1,436	1,322	240	240	20	20	20	20	20	20
South Africa	1,047	957	633	604	326	340	59	24	36	44	34	35
Other Africa	720	720	720	720	530	480	40	0	40	40	40	40
ASIA												
China	191,415	183,391	174,183	177,891	216,152	191,061	13,800	13,487	16,747	18,109	20,865	10,670
Hong Kong	1,800	1,800	3,300	3,600	480	1,359	130	130	130	130	130	130
India	9,088	9,861	11,365	10,615	9,734	10,566	912	900	910	900	694	934
Indonesia	1,200	1,200	1,200	1,200	1,200	1,200	100	100	100	100	100	100
Iran	987	1,058	1,573	2,221	2,261	1,600	100	100	100	100	100	100
Japan	26,113	29,111	28,084	24,905	20,198	28,383	1,923	2,233	2,130	1,794	1,893	2,038
Kazakhstan	490	431	405	350	287	0	5	50	50	0	0	45
Malaysia	1,560	1,560	1,560	1,560	1,560	1,560	130	130	130	130	130	130
Pakistan	279	300	489	311	194	322	16	16	15	0	30	30
Philippines	506	220	307	1,385	776	1,045	75	24	16	97	109	29
Singapore	1,960	1,920	1,920	1,920	1,720	1,920	160	160	160	160	160	160
South Korea	14,199	13,112	13,927	11,957	13,405	14,457	1,135	858	1,229	1,274	1,220	928
Syria	120	120	120	0	0	0	0	0	0	0	0	0
Taiwan	4,140	4,494	4,576	4,569	10,096	8,772	580	742	861	900	726	640
Thailand	3,131	4,259	3,000	3,000	3,000	3,000	250	250	250	250	250	250
Turkey	2,416	3,110	3,215	3,202	3,746	4,158	350	522	576	529	272	311
United Arab Emirates	4,800	4,800	3,600	3,600	2,160	2,160	180	180	180	180	180	180
Vietnam	6,000	6,000	4,200	3,600	4,639	4,622	380	380	380	380	380	380
Other Asia	2,160	2,160	2,160	2,160	1,690	1,560	130	0	130	130	130	130
AMERICA												
Argentina	878	596	674	420	1,108	799	40	35	26	39	43	40
Bolivia	480	480	480	480	480	480	40	40	40	40	40	40
Brazil	17,258	10,009	9,357	9,398	3,333	2,466	40	85	84	100	100	100
Canada	2,887	2,562	2,489	2,387	1,871	3,264	148	493	351	350	350	350
Chile	111	82	95	111	133	130	16	5	5	7	10	11
Colombia	300	280	271	248	237	207	33	10	4	5	12	12
Mexico	4,160	4,197	4,906	4,779	4,406	4,661	400	400	454	450	242	250
Peru	216	216	216	216	198	216	18	18	18	18	18	18
U.S.A.	29,455	31,476	34,664	31,057	29,191	34,559	4,736	2,297	2,773	1,812	2,701	1,602
Venezuela	59	19	16	12	10	12	1	1	1	1	1	1
Other America	420	420	420	420	275	240	20	0	20	20	20	20
OCEANIA												
Australia	215	259	284	375	255	317	0	20	49	54	9	56
New Zealand	7	49	46	41	30	65	0	5	0	12	0	9
WORLD TOTAL	387,563	381,702	378,582	368,742	384,161	377,773	29,735	27,582	32,497	32,884	35,657	24,601

Source : World Bureau of Metal Statistics