



## FEBRUARY TIN MARKET REVIEW

### Kuala Lumpur Tin Market (KLTM)

No transaction was recorded on the KLTM throughout the month of February although the local physical tin market resumed trading beginning 21<sup>st</sup> December 2021. There was, however, a daily bidder for 10 tonnes, but with no corresponding offeror. The KLTM was in session during the entire February trading month except on 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> February when it was closed for the Federal Territory and the Chinese New Year holidays.

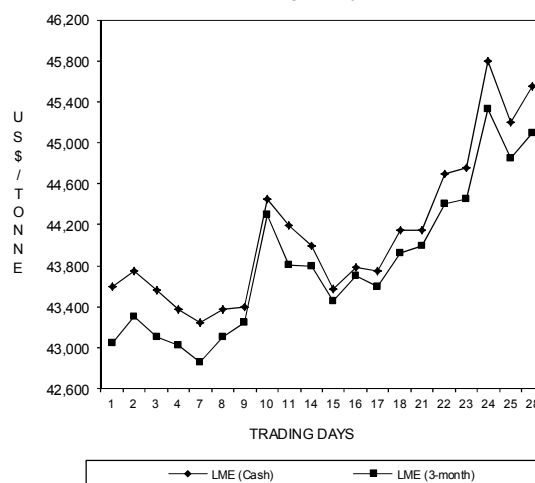
### London Metal Exchange (LME)

Tin trading on the LME during the month of February was very strong in line with the movement of other base metals traded on the Exchange.

The tin price opened the trading month at US\$43,600 per tonne for cash tin and US\$43,050 per tonne for 3-month tin. It inched-up the next day before retreating to end the trading week lower.

The decline continued at the opening of the second trading week to record the month's lowest price level at US\$43,250 and US\$42,855 per tonne for cash and 3-month tin, respectively. Both were recorded on 7<sup>th</sup> February. Backed by strong demand, the market rebounded for three consecutive days before

LME TIN PRICES  
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closing the week slightly easier. The strong demand came particularly from overseas interests resulting from the weakening US dollar.

The tin price slid further during the first two days of the third trading week. Thereafter, it stayed somewhat flat as market sentiment remained largely uncertain, in-line with the flat momentum of the other base metals traded on the LME. It, however, strengthened at end of the trading week.

During the fourth trading week, the tin price rose to record the month's highest level for cash and 3-month tin at US\$45,795 and US\$45,325 per tonne, respectively. Both were recorded on 24<sup>th</sup> February. Buyers were more confident in participating in the market while sellers stayed on the sideline during the period. It eased slightly thereafter as trading was dominated by sellers this time, taking advantage of the earlier higher prices.

On the only day of the final trading week, the tin price rebounded to close the February trading month at US\$45,550 and US\$45,100 per tonne for cash and 3-month tin, respectively.

The average LME cash tin price recorded in February was US\$44,118 per tonne, whilst the average 3-month tin price was US\$43,820 per tonne.

## NEWS HIGHLIGHT

### Four-fold Rise in Q4 net Profit for MSC

Malaysia Smelting Corp Bhd (MSC) has reported an over four-fold increase in its net profit to RM64.07mil in the fourth quarter ended Dec 31, 2021 (Q4'21) from RM14.92mil a year ago. Its revenue for the quarter stood at RM255.05mil, up 9.7% against RM232.57mil achieved a year prior.

MSC has proposed a first and final single-tier dividend of seven sen per share, translating to a dividend payout of 25% of financial year 2021 (FY21) net profit. The dividend is subject to shareholders' approval at its forthcoming annual general meeting. In FY21, MSC's net profit soared almost eight-fold to an all-time high of RM118.1mil from RM15.2mil in FY20.

The higher earnings were lifted by favourable average tin prices, which grew 82% to RM130,575 per tonne in FY21 from RM71,559 per tonne in FY20. Its revenue increased 32% to RM1.07bil in FY21 from RM813.4mil in the prior year. MSC said its tin mining division was the main earnings driver as net profit jumped more than five times to RM109.4mil in FY21, as compared to RM20.6mil in FY20. The growth was on the back of high tin prices, as well as increased tin production during the year. Meanwhile, the tin smelting division reported lower production of

refined tin in FY21 due to the operational disruption following the movement control order enforced from June 1, 2021 and the subsequent force majeure that commenced from June 7, 2021 until Dec 20, 2021.

"This was offset by a reversal of inventories written down amounting to RM24mil Q1'21 and higher margins from the sales of refined tin derived from its tin intermediates. As a result, the tin smelting division reported a FY21 net profit of RM12.1mil, from RM3.2mil a year ago," MSC said.

Group CEO Datuk Patrick Yong said although 2021 was a year of continued challenges globally, MSC stayed resilient and delivered a stellar financial performance for the year.

"The tin supply deficit is forecasted to continue, which will sustain tin prices in the short to medium term. At the same time, tin demand remains robust in line with the global growth of electric vehicles, photovoltaic installations and consumer electronics, among others. This bodes well for the group," he said in a statement.

*(Source: The Star, 19 February 2022)*

## NEWS ROUND-UP

### Alphamin Discovers Encouraging Results at Mpama South

Alphamin Resources (AR) has announced more assay results from its highly anticipated drilling works at Mpama South.

The company produces some 4 per cent of the world's mined tin through its Bisie mine in the Democratic Republic of Congo. The mine is currently focused on extracting the metal from its Mpama North deposit, which is said to have the highest grade resource in the world.

AR has been drilling several targets along the Bisie ridge to expand its resource base including the Mpama South deposit, which sits about 1km from the existing mine at surface. However, latest results indicate that the two deposits may be closer than previously thought. The company has drilled 89 holes into Mpama South and is visually assessing the drill core before sending it to be assayed.

According to AR's geologists, cassiterite mineralisation is visible in intercepts just 85m to the south of Mpama North mine. However, these results are yet to be confirmed by chemical assays, but there is already evidence of extremely high grade tin mineralisation in the deposit.

The company stated that the most recent assays have returned "the best drillhole assayed to date at Mpama South". Highlights include nearly 16m at 5 per cent tin, but also contain an 0.8m intercept of more than 18 per cent tin. In comparison, the average grade of tin in mines globally is about 0.8 to 1.0 per cent tin, and the resource at Mpama North was 4.6 per cent Sn according to the company's 2019 report.

Meanwhile, AR has continued drilling at Mpama North to extend the mineralisation at the existing operation. The first batch of drillhole assays returned a 19.6m intercept with a grade of 17.16 per cent Sn, which was the second

best result drilled at Mpama North to date. However, due to increased structural complexity at depth, several drill holes returned no visible mineralisation, thus constraining the size of the Mpama North Deeps target to smaller extent than originally planned. Having revised the drilling plan with these results, AR will continue to drill the remaining Deeps target, as well as the shallower

Oso target and down-dip mineralisation to the east of Mpama North, which remains open.

Drilling has also begun on the first of six high priority targets further down the Bisie ridge, besides the work being done at Mpama North and South.

## Increased Tin Output by Russian Miner

Seligdar, a Russian mining company, has reported an increased full-year tin production by some 15 per cent in 2021. The company mined some 585,000 tonnes of ore, and processed 544,000 tonnes of it during the year.

Through its subsidiary, PJSC Rusolovo, the company owns and operates the Festivalnoye and Pravourmiyskoye mines in the Russian Far East, producing 1,651 and 1,257 tonnes of tin-in-concentrate, respectively. In total, both mines produced some 2,908 tonnes of tin-in-concentrate in 2021. Festivalnoye has overtaken Pravourmiyskoye as the largest mine in Russia in 2020. This improved output was due in part to the improvements made to the Solnechnaya processing plant in 2021.

Rusolovo, through its annual report, announced that it plans to install X-ray ore sorting technology at both Solnechnaya and Pravourmiyskoye in the coming year. This technology should increase the feed grade of material passing through the processing plant, rejecting waste rock early and reducing processing costs.

The company also owns the Pyrkakay tin deposit in the Chukotka region in north-eastern Russia, which it plans to start mining in 2028.

## 2021 Global Tin Production Rebounded

Refined tin production in 2021 rebounded from its pandemic lows, with the majority of global smelters, including the top ten producers, operating somewhat like the pre-pandemic years.

Order	Company	2020	2021	YTD Change (%)
1	Yunnan Tin (China)	74,800	82,000	9.6%
2	Minsur* (Peru)	25,075	31,843	27.0%
3	PT Timah (Indonesia)	45,700	26,500	-42.0%
4	Yunnan Chengfeng (China)	16,500	17,000	3.0%
5	Malaysia Smelting Corp (Malaysia)	22,400	16,400	-26.8%
6	Thaisarco (Thailand)	11,300	12,100	7.1%
7	EM Vinto (Bolivia)	7,100	12,100	70.4%
8	Jiangxi New Nanshan (China)	10,100	11,600	14.9%
9	Aurubis Beerse (Belgium)	9,000	9,800	8.9%
10	Guangxi China Tin (China)	10,100	9,200	-8.9%

*Data: Provisional data reported to ITA and rounded to the nearest 100t*

*\* Includes production from Minsur's Brazilian subsidiary, Tobacco*

China's Yunnan Tin Company maintained its position as the world's largest refined tin producer, while others, such as EM Vinto of Bolivia re-entered to the top 10 list. However, MSC was subjected to strict Covid-19 regulations from the Malaysian government which saw its production declined significantly compared to 2020. Global refined tin production in 2021 is estimated to have increased by 11 per cent to 378,400 tonnes compared to the previous year's total of 339,400 tonnes.

The International Tin Association (ITA) surveys global tin smelters to compile this annual list of the world's largest producers. In 2021, these top 10 companies produced 59 per cent of the world's tin output, down from 67 per

cent in 2020. A part of the drop in the group's output would be attributed to the difficult year faced by MSC. A significant decline in output from PT Timah, which was its second consecutive fall, also contributed to the drop.

Despite many challenges, most smelters in China recovered their production during 2021. Although recent imports from Myanmar have declined, some smelters have pivoted to importing concentrate from other regions, including Central Africa. Producers in South America recovered quickly from Covid-19-related issues in 2020, with all their surveyed smelters reporting increased production.

## Guangxi China Tin Shutdown for Routine Maintenance

According to the International Tin Association (ITA) intelligence, Guangxi China Tin Group of China has halted its Laibin smelter's production for 45 days.

The shutdown procedure began on 10 February for the smelter to undergo routine maintenance. ITA understands that its refractory bricks will be replaced during the closure. The shutdown could result in 1,200 tonnes of refined tin being unavailable to the Chinese tin market.

Guangxi China Tin is one of the world's largest tin smelters, producing some 9,200 tonnes of refined tin in 2021. The Laibin Ausmelt furnace has an annual capacity of 25,000 tonnes of tin. The company can also produce a further 160,000 tonnes of metals including lead, zinc, silver, antimony, and indium.

*(Source: International Tin Association Ltd. UK)*

## KLTM &amp; 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.	N.A	N.A	N.A	44,118	43,820
2022 FEB	1	CLOSED			43,600	43,050
	2	CLOSED			43,750	43,300
	3	CLOSED			43,560	43,100
	4	NO TRANSACTION			43,375	43,025
	7	NO TRANSACTION			43,250	42,855
	8	NO TRANSACTION			43,375	43,100
	9	NO TRANSACTION			43,400	43,250
	10	NO TRANSACTION			44,445	44,300
	11	NO TRANSACTION			44,195	43,810
	14	NO TRANSACTION			44,000	43,800
	15	NO TRANSACTION			43,575	43,450
	16	NO TRANSACTION			43,785	43,700
	17	NO TRANSACTION			43,750	43,600
	18	NO TRANSACTION			44,150	43,925
	21	NO TRANSACTION			44,150	44,000
	22	NO TRANSACTION			44,700	44,400
	23	NO TRANSACTION			44,750	44,450
	24	NO TRANSACTION			45,795	45,325
	25	NO TRANSACTION			45,200	44,850
	28	NO TRANSACTION			45,550	45,100

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.

N.A : Not Available

## WORLD REFINED TIN STOCKS (Tonnes)

Period	LME Stock	COUNTRY STOCKS							Total Country Stocks	Total Commercial Stocks	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	7,130	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
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.	7,130	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*	4,440	21,508	23,287	4,020
Nov.	1,285	2,130	955	8600*	1,518	265*	3600*	4,440	21,508	24,894	4,020
Dec.	2,045	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

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.
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	3,611	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
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
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

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
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
2020					
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

\* : 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
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.	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

\* : 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	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
<b>EUROPE</b>																
Portugal	48	56	60	108	108	9	9	9	9	9	9	9	9	9	9	9
Spain	7	23	32	147	74	0	0	0	0	0	5	5	5	5	5	5
Russia	1,140	702	1,200	2,264	2,538	200	200	200	200	200	200	200	200	200	200	200
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>AFRICA</b>																
Burundi	51	123	126	143	121	12	10	11	13	13	13	13	13	13	13	0
Democ.Rep. Congo	4,128	7,145	9,000	6,250	13,508	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,038
Egypt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0
Namibia	-	-	-	9	242	42	42	38	38	39	42	42	42	42	42	45
Nigeria	3,827	5,964	8,784	7,020	5,848	575	550	500	500	500	500	500	500	550	550	550
Rwanda	2,621	3,508	2,400	2,223	1,692	200	200	200	200	200	200	200	200	200	200	200
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	104	68	6	18	1,600	100	100	100	100	100	100	100	100	100	100	100
Uganda	-	66	53	50	-	-	-	-	-	-	-	-	-	-	-	-
<b>ASIA</b>																
China	153,100	163,000	157,500	142,900	161,300	17,000	17,000	14,500	18,700	18,700	16,800	6,500	9,000	9,000	9,200	10,900
Indonesia	60,000	60,000	84,000	86,400	65,400	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000
Kazakhstan	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Laos	1,308	779	566	1,156	1,237	50	50	104	62	88	95	95	95	150	150	50
Malaysia	4,123	3,967	3,999	4,080	3,183	265	265	265	265	265	265	265	265	265	265	265
Mongolia	36	50	60	110	120	10	10	10	10	10	10	10	10	10	10	10
Myanmar	47,435	58,883	45,900	33,750	29,100	1,750	1,648	3,633	3,270	1,231	2,850	2,850	2,900	2,500	3,300	1,437
Thailand	124	705	720	720	720	60	60	60	60	60	60	60	60	60	60	60
Vietnam	5,520	4,560	4,560	5,520	5,420	450	450	450	450	450	450	450	450	450	450	450
<b>AMERICA</b>																
Bolivia	17,614	17,973	17,259	17,194	14,710	1,600	1,700	1,700	1,700	1,500	1,400	1,400	1,400	1,500	1,500	1,500
Brazil	25,500	18,000	18,000	18,000	15,000	1,250	1,250	1,250	1,250	1,250	1,250	1,407	1,408	1,408	1,500	1,500
Peru	18,789	17,790	18,601	19,683	20,647	2,101	1,949	2,385	2,338	2,270	2,236	2,354	2,329	2,281	1,976	2,170
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>OCEANIA</b>																
Australia	6,635	7,217	6,871	7,738	7,836	500	500	500	500	500	500	500	500	823	900	900
<b>WORLD TOTAL</b>	<b>351,948</b>	<b>370,299</b>	<b>379,482</b>	<b>355,116</b>	<b>320,452</b>	<b>29,482</b>	<b>29,201</b>	<b>32,146</b>	<b>35,867</b>	<b>33,674</b>	<b>33,228</b>	<b>23,160</b>	<b>25,686</b>	<b>25,766</b>	<b>26,630</b>	<b>26,389</b>

Source : World Bureau of Metal Statistics

### WORLD REFINED TIN CONSUMPTION (In Tonnes)

	2016	2017	2018	2019	2020	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021	2021
						Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
<b>EUROPE</b>																
Austria	3,323	4,148	3,983	3,082	2,960	371	350	608	400	350	350	266	350	385	300	225
Belgium	2,400	697	720	720	720	60	60	60	60	60	60	60	60	60	60	60
Bulgaria	101	1	117	210	240	24	20	31	30	20	20	20	20	20	20	20
Czech Republic	515	532	603	605	335	48	39	25	42	28	36	48	63	28	28	50
Denmark	3	17	7	1	10	1	1	1	0	1	1	1	1	1	1	1
Finland	86	51	77	94	72	8	7	7	7	12	12	8	8	16	10	3
France	4,736	5,456	6,080	5,020	4,982	218	380	337	248	318	276	412	230	353	359	286
Germany	18,242	20,284	20,236	18,441	14,898	1,150	1,000	1,159	1,200	1,262	1,200	1,271	1,364	1,509	1,509	1,282
Greece	632	600	646	634	637	50	58	51	52	52	52	65	51	52	50	55
Hungary	145	1,177	2,050	2,036	1,714	185	150	189	150	162	150	120	100	100	100	150
Ireland	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Italy	3,495	3,974	4,678	4,324	3,402	265	250	396	350	373	300	388	350	350	350	300
Netherlands	6,000	6,000	6,000	6,000	5,400	450	450	450	450	450	450	450	450	450	450	450
Norway	0	1	1	1	10	2	0	0	0	0	0	0	0	0	0	0
Poland	3,669	3,537	3,723	3,335	1,580	90	90	150	150	118	115	62	101	100	100	100
Portugal	554	856	891	831	463	88	57	87	42	29	56	7	45	20	20	20
Romania	336	516	866	551	442	65	50	63	60	47	60	52	60	40	40	45
Russia	995	1,339	495	1,914	1,443	145	78	56	225	377	364	406	400	214	200	200
Slovakia	465	645	767	593	614	23	25	40	80	24	88	91	42	64	60	43
Spain	1,495	1,605	1,652	1,563	1,898	127	150	95	120	138	120	136	100	200	200	160
Sweden	6,492	5,457	6,020	5,835	5,343	591	327	767	650	612	500	315	300	647	300	300
Switzerland	47	69	45	60	44	7	5	1	4	4	4	1	4	4	4	1
United Kingdom	979	936	961	262	102	1	2	5	3	10	12	3	7	10	10	3
Yugoslavia	1,080	1,080	1,080	1,080	240	80	80	80	80	80	80	80	80	80	80	80
Other Europe	720	720	720	720	530	40	40	40	40	40	40	40	40	40	40	40
<b>AFRICA</b>																
Egypt	107	119	225	174	139	5	5	0	5	20	20	20	20	20	20	0
Morocco	21	15	22	20	22	0	3	0	1	3	3	0	0	12	12	0
Nigeria	300	623	1,436	1,322	240	20	20	0	20	20	20	20	20	20	20	0
South Africa	1,047	957	633	604	326	10	10	8	13	73	48	60	10	49	20	28
Other Africa	720	720	720	720	530	40	40	40	40	40	40	40	40	40	40	40
<b>ASIA</b>																
China	191,415	183,391	174,183	177,891	216,152	21,231	18,656	19,102	23,229	18,203	21,532	9,746	16,493	11,604	14,602	14,321
Hong Kong	1,800	1,800	3,300	3,600	480	40	24	63	130	130	130	130	130	130	130	130
India	9,088	9,861	11,365	10,615	9,734	1,013	1,000	1,000	1,000	600	600	652	700	981	1,059	1,000
Indonesia	1,200	1,200	1,200	1,200	1,200	100	100	100	100	100	100	100	100	100	100	100
Iran	987	1,058	1,573	2,221	2,261	180	180	180	180	180	100	100	100	100	100	100
Japan	26,113	29,111	28,084	24,905	20,198	2,314	2,236	2,626	2,002	2,405	3,135	2,219	2,296	2,497	2,476	1,844
Kazakhstan	490	431	405	350	287	0	0	0	0	0	0	0	0	0	0	0
Malaysia	1,560	1,560	1,560	1,560	1,560	130	130	130	130	130	130	130	130	130	130	130
Pakistan	279	300	489	311	194	13	13	10	10	21	21	23	21	21	21	10
Philippines	506	220	307	1,385	776	40	40	79	40	34	92	120	58	74	70	83
Singapore	1,960	1,920	1,920	1,920	1,720	160	160	160	160	160	160	160	160	160	160	160
South Korea	14,199	13,112	13,927	11,957	13,405	897	882	1,270	1,895	1,142	1,076	1,187	984	1,153	1,599	631
Syria	120	120	120	0	0	0	0	0	0	0	0	0	0	0	0	0
Taiwan	4,140	4,494	4,576	4,569	10,096	603	642	963	800	1,273	1,200	1,444	144	64	60	622
Thailand	3,131	4,259	3,000	3,000	3,000	250	250	250	250	250	250	250	250	250	250	250
Turkey	2,416	3,110	3,215	3,202	3,746	256	376	308	247	450	450	537	261	311	154	407
United Arab Emirates	4,800	4,800	3,600	3,600	2,160	180	180	180	180	180	180	180	180	180	180	0
Vietnam	6,000	6,000	4,200	3,600	4,639	433	381	388	380	380	380	380	380	380	380	380
Other Asia	2,160	2,160	2,160	2,160	1,690	130	130	130	130	130	130	130	130	130	130	130
<b>AMERICA</b>																
Argentina	878	596	674	420	1,108	40	30	115	116	83	85	39	104	51	54	86
Bolivia	480	480	480	480	480	40	40	40	40	40	40	40	40	40	40	40
Brazil	17,258	10,009	9,357	9,398	3,333	147	192	191	258	290	330	298	137	331	257	97
Canada	2,887	2,562	2,489	2,387	1,871	210	182	282	237	334	153	341	155	226	598	393
Chile	111	82	95	111	133	5	5	14	14	17	22	22	13	6	1	1
Colombia	300	280	271	248	237	16	15	13	20	0	10	9	9	12	12	20
Mexico	4,160	4,197	4,906	4,779	4,406	400	400	317	300	300	300	320	300	406	400	400
Peru	216	216	216	216	198	18	18	18	18	18	18	18	18	18	18	18
U.S.A.	29,455	31,476	34,664	31,057	29,191	1,948	2,411	2,483	2,443	2,547	2,244	2,262	1,985	3,000	2,437	3,394
Venezuela	59	19	16	12	10	1	1	1	1	1	1	1	1	1	1	1
Other America	420	420	420	420	275	20	20	20	20	20	20	20	20	20	20	20
<b>OCEANIA</b>																
Australia	215	259	284	375	255	25	0	40	21	20	44	9	28	60	0	0
New Zealand	7	49	46	41	30	5	0	20	0	2	2	2	5	8	14	6
<b>WORLD TOTAL</b>	<b>387,563</b>	<b>381,702</b>	<b>378,582</b>	<b>368,742</b>	<b>384,161</b>	<b>35,009</b>	<b>32,441</b>	<b>35,245</b>	<b>38,879</b>	<b>34,169</b>	<b>37,418</b>	<b>25,312</b>	<b>29,608</b>	<b>27,328</b>	<b>29,856</b>	<b>28,717</b>

Source : World Bureau of Metal Statistics