



APRIL 2022 | VOLUME 33 NO. 4

APRIL TIN MARKET REVIEW

Kuala Lumpur Tin Market (KLTM)

There was again no trade transacted on the KLTM during the month of April although trading was in session. This was due to the absence of any refined tin metal being offered for sale on the local physical tin market.

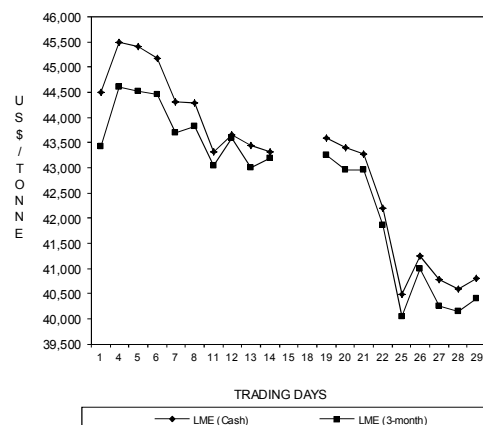
London Metal Exchange (LME)

Tin metal trading on the LME in April followed the soft trading pattern of the other base metals traded on the Exchange.

Tin on the LME during the month was traded within a wide price range of US\$40,475 to US\$45,500 per tonne for cash tin. Three-month tin, meanwhile, was traded between US\$40,050 to US\$44,600 per tonne. April's average LME cash and three-month tin prices were US\$43,122 and US\$42,644 per tonne, respectively.

The market commenced the April trading month at US\$44,500 per tonne for cash tin and US\$43,425 per tonne for three-month tin. It was the only trading day of the short first trading week.

LME TIN PRICES
APRIL 2022



INSIDE THIS ISSUE

APRIL TIN MARKET REVIEW

KLTM | LME

NEWS HIGHLIGHT

Tin Still Flying High Despite Resurgent Production

NEWS ROUND-UP

First Tin Raised Funds to Speed-up its Projects
China's Tin Import Surged Following High Local Price
Yunnan Hualian Mine Closed Due to Covid-19
Seligdar Q1 Tin Output Declined

SPECIAL ARTICLE

Transforming Former Mine Land into Forest

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

Strong demand helped pushed the tin price at the opening of the second trading week to record its highest price level for the month at US\$45,500 per tonne for cash tin and US\$44,600 per tonne for three-month tin, which were both recorded on 4th April. Thereafter, it declined towards the second last day of the trading week before inching-up as the week ended.

Owing largely to uncertainty in market sentiment, the tin price was traded somewhat flat during the third trading week before the market closed for the Good Friday holiday.

The market was closed again at the start of the fourth trading week in conjunction with the Easter Monday holiday before easing towards end of the week on concerns over poor spot demand and rising inventories.

The tin price continued to decline at the opening of the final trading week to record its lowest price level for the month at US\$40,475 per tonne for cash tin, and at US\$40,050 per tonne for three-month tin, which were both recorded on 25th April as global demand dwindled further. It was checked somewhat by a technical correction the next day before softening for another two days. Bolstered by encouraging demand, the LME's tin price rebounded at end of the trading week to close the April trading month at US\$40,800 per tonne for cash tin and at US\$40,400 per tonne for three-month tin.

NEWS HIGHLIGHT

Tin Still Flying High Despite Resurgent Production

Global refined tin production surged by 11% to 378,400 tonnes last year, according to the International Tin Association (ITA). The world's tin supply is dominated by a handful of big producers, many of which were forced to halt or curtail operations during pandemic lockdowns in 2020. Most of them staged a strong recovery in 2021. The collective production rebound, however, hasn't done much to cool the tin price.

The London Metal Exchange (LME) tin market was briefly rocked by the after-shocks of last month's suspension of nickel trading. The LME three-month tin slumped from a record high of US\$51,000 (RM218,408) to US\$39,080 (RM167,360) per tonne as positions were closed out to meet margin calls.

But the price has since regained a foot-hold above US\$40,000 (RM171,300), last trading at US\$42,955 (RM183,955) per tonne. Prior to last year's supercharged rally, the previous all-time high had been the peak of US\$33,600 (RM143,892) recorded in 2011.

Tin is still showing every sign of scarcity pricing, attesting both to the strength of current demand and the scale of the supply-chain depletion that has occurred over the last couple of years. The world's top 10 producers accounted for 57% of global output last year and seven of them recorded higher output relative to the previous year, according to the ITA. Bolivia's EM Vinto hiked production by 70% and Peru's Minsur by 27%, reflecting heavy pandemic lockdown hits to production in 2020.

China's smelters also bounced back from Covid-19 disruption, led by Yunnan Tin, the world's largest single operator, which increased production by 10% to 82,000 tonnes. The two main exceptions to the recovery trend were Malaysia's Malaysia Smelting Corp Bhd (MSC) and Indonesia's PT Timah. MSC was roiled by a second year of Covid-19 lockdowns and associated technical issues, which culminated in the company declaring force majeure on deliveries to customers.

PT Timah's output dropped a sharp 42% to 26,500 tonnes in 2021, according to the ITA, meaning a slide from second to third place among the top global producers. Indonesian exports, by contrast, grew by 14% to almost 75,000 tonnes last year, which suggests that PT Timah's decline in reported output was due to a swing of the country's regulatory pendulum back in favour of the private sector.

There are tentative signs that the production recovery is alleviating some of the extreme supply-chain tightness that has gripped the tin market since the start of 2021. LME warehouses in Antwerp and Baltimore have seen deliveries on to warrant of 785 tonnes and 445 tonnes respectively so far this month. The inflows appear to

have been triggered by another LME time-spread spasm, which saw the cash premium flex out to more than US\$1,000 (RM4,255) per tonne at the start of April.

But they showed there has been some stock replenishment in two markets that had been acutely short of metal. LME-registered stocks of tin in the United States went to zero in February 2021, while those in Europe stood at just 85 tonnes before this month. Physical premiums in both regions have retreated from their mid-2021 highs but only partially so.

Fastmarkets currently assesses the US Midwest premium at US\$2,450 (RM10,492) per tonne over the LME cash price, down from US\$3,950 (RM16,916) last August but still a long way off the US\$600 (RM2,567) level that was trading at the start of 2021. That speaks to continued supply-chain stress and the limited nature of the stocks rebuilt so far.

Despite this month's inflows, LME inventory of 2,685 tonnes is up by only a modest 640 tonnes since the start of January and by any historical yardstick remains very low at just two days worth of global usage.

The problem is that LME stocks have been simultaneously leaving Asian locations such as Port Klang and Singapore, quite possibly to China, which flipped back to being a net importer in the first quarter of the year. The country sucked in 1,946 tonnes of metal in March, the highest monthly total since July 2020.

The world's largest producer exported 14,000 tonnes last year, helping to plug yawning supply gaps elsewhere, but so far this year China is actively competing for the rest of the world's supply. Stocks are struggling to rebuild and physical premiums remain high because demand is still red hot, particularly for tin solders used in circuit boards.

Semiconductor industry sales, a proxy for demand from tin's largest single usage sector, continue to boom. Global sales were up 32.4% year-on-year in February, according to the latest figures from the Semiconductor Industry Association. It was the eleventh consecutive month of growth coming in above 20%.

Tin production may be rising but it's still evidently struggling to match demand growth, preventing any significant easing of supply-chain and LME market tightness. It's why the LME tin price is still stubbornly holding at a level that prior to 2021 would have been thought outrageously high. The market is signalling it needs more supply. The world's largest producers are responding but it's evident they need to do still more.

(Source: *The Star*, 22 April 2022)

NEWS ROUND-UP

First Tin Raised Funds to Speed-up its Projects

First Tin, a tin exploration and development company, has raised £20 million through an Initial Public Offering (IPO) to help speed-up its tin projects development. Funds were raised through subscription, institutional placing and retail offer, before listing on the London Stock Exchange. The company's shares started trading on 8 April.

Headed by Thomas Buenger, an ex-Aurubis COO, First Tin is developing the Tellerhauser and Taronga tin projects in Germany and Australia. Recent studies of both projects have indicated positive economics at lower tin prices than today, and the company is confident that in-depth work will reinforce this.

Thomas Buenger commented, "We are very pleased with the level of interest generated from new investors in support of our IPO. This is an exciting milestone for the company, and we welcome our new and supportive shareholders alongside us in our growth journey."

First Tin plans to use the raised funds to complete development studies over the next 18 months. Thomas Buenger added that "We are now well placed to create near term value for our investors through low-capex development work, and to advance the two assets towards production before the end of 2025."

China's Tin Import Surged Following High Local Price

According to latest China's Customs Department data, the country imported significant quantities of tin during March possibly due to the high local tin price.

China imported some 28,986 tonnes of tin ores and concentrates in gross weight in March 2022, some 85 per cent higher, both in terms of month-on-month and year-on-year, containing an estimated 11,100 tonnes of tin.

Some 74 per cent of the estimated tin content came from Myanmar, totalling roughly 6,700 tonnes. It was 72 per cent and 49 per cent higher compared to February's and year-on-year figures, respectively. Imports from oth-

er countries were also up by 110 per cent, month-on-month, and 193 per cent, year-on-year. Significant volumes of concentrates were imported from Australia and the DR Congo, China's two usual sources, but also from Thailand of some 510 gross tonnes.

Meanwhile, China's refined tin import and export also increased in March, at 1,946 and 1,224 tonnes, respectively. Indonesia was the main source of imported refined tin at 1,831 tonnes, while exports were primarily to Europe comprising Italy and the Netherlands, and elsewhere in Asia comprising South Korea and Taiwan.

Yunnan Hualian Mine Closed Due to Covid-19

Yunnan Tin Company of China, the world's largest tin producer, has been forced to temporarily halt mining operations of one of its subsidiaries, namely the Yunnan Hualian Zinc and Indium Co., on 18 April to comply with the local government's Covid-19 control policy.

According to official Chinese data, some 33 asymptomatic cases of Covid-19 were recorded on 17 April in Yunnan province, all within Ma'guan county, where the Hualian mine is located.

Yunnan Hualian operates the Hualian zinc-indium-tin mine as well as the zinc-indium smelter. Although mining operations will be temporarily halted, smelting will be operating as usual.

Yunnan Tin owns 82.15 per cent of the shares in Yunnan Hualian, contributing more than 50 per cent of Yunnan Tin's total revenue.

Seligdar Q1 Tin Output Declined

Seligdar, a Russian tin miner, reported declining production during the first quarter of 2022, according to its latest quarterly results.

Through its subsidiary, Rusolovo, Seligdar owns and operates the Festivalnoye and Pravourmiyskoye mines in the Russian Far East. During the first quarter of this year,

the two mines produced a combined 542 tonnes of tin-in-concentrate, a decline of 35 per cent and 20 per cent, quarter-on-quarter, and, year-on-year, respectively. Output was reportedly lower due to natural variations in the ore grade at the two mines.

(Source: International Tin Association Ltd. UK)

SPECIAL ARTICLE

Transforming Former Mine Land into Forest

The Forest Research Institute Malaysia (Frim) and Rahman Hydraulic Tin Sdn Bhd (RHT) have initiated a reafforestation project on a former tin mine land of 20ha at RHT Klian Intan, Gerik, Hulu Perak. Frim's Forestry Biotechnology Division director Dr Mohd Zaki Abdullah said the first phase of the project was from 2011 to 2016 and involved Acacia (mimosa), dipterocarp species Imerawan siput jantan, meranti tembaga (*Shorea leprosula*) and meranti temak nipis (*Shorea roxburghii*).

"It also involved open planting of meranti temak nipis, reforestation at overburdened areas and rehabilitation of Sungai Kepayang's riverbanks with endemic species including bamboos. The second phase from 2017 to 2020 involved rehabilitation at Sungai Kijang with riverine species and bamboos, rehabilitation of ex-sludge storage area of Sungai Kepayang within RHT mining area with mixed stand of both dipterocarp and dipterocarps," he said.

This shows that modified ex-mining lands can be restored by planting with pioneer species, including Acacia mangium and later with medium quality tree species such as meranti temak nipis, merawan siput jantan and sungkai (*Peronema canescens*), reported Bernama.

Frim is also collaborating with Specific Resources Sdn Bhd to develop model forest stands for the purpose of rehabilitation of ex-gold mining land, greening of existing wastelands and gathering information for a future Mine Rehabilitation Plan for a period of two years.

The areas of formerly waste rocks or burden areas were semi mechanically prepared by spreading, broadcasting, and compacting with 50cm to 70cm thickness of mineral soil to provide growing space for future root development of planted trees.

The afforestation initiative in the Penjom Gold Mining Lands covers an area of 5ha and the planting areas are mostly of gentle sloping terrain of 15 to 35 degrees, with isolated growth of planted grasses on the lower slopes.

According to Zaki, a total of 3,515 seedlings with seven species which includes two dipterocarps and five non-dipterocarps were planted following the suitability at four separated blocks of different sloping terrain.

"Currently, efforts are ongoing for afforestation with endangered or important species over a 1.2ha area in SPF Bidor and SPF Segamat under the 12th Malaysian Plan. The efforts of rehabilitation and restoration with trees provide countless benefits to the earth. Besides increasing the green lung, it also provides the opportunity to sequester carbon dioxide, creation of germplasm conservation of threatened species phytoremediation and regulating microclimate of the environment for enhanced biodiversity and ecosystem services," he said.

(Source: The Star, 24 April 2022)

KLTM & LME TIN PRICES

		KLTM				LME	
		Average Price * (US\$/Tonne)	Exchange Rates	Average Daily Turnover (Tonnes)	Total Turnover (Tonnes)	Cash (US\$/Tonne)	3-Month (US\$/Tonne)
Period							
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
2022.	1		NO TRANSACTION			44,500	43,425
	Apr. 4		NO TRANSACTION			45,500	44,600
	5		NO TRANSACTION			45,400	44,525
	6		NO TRANSACTION			45,175	44,450
	7		NO TRANSACTION			44,300	43,700
	8		NO TRANSACTION			44,295	43,825
	11		NO TRANSACTION			43,325	43,050
	12		NO TRANSACTION			43,650	43,595
	13		NO TRANSACTION			43,450	43,000
	14		NO TRANSACTION			43,325	43,200
	15		NO TRANSACTION				
	18		NO TRANSACTION				
	19		NO TRANSACTION			43,600	43,250
	20		NO TRANSACTION			43,400	42,960
	21		NO TRANSACTION			43,275	42,950
	22		NO TRANSACTION			42,200	41,850
	25		NO TRANSACTION			40,475	40,050
	26		NO TRANSACTION			41,250	41,000
	27		NO TRANSACTION			40,790	40,260
	28		NO TRANSACTION			40,600	40,150
	29		NO TRANSACTION			40,800	40,400

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	377*	3600*	4,530	21,737	27,191	4,020
Feb.	2,245	2,130	955	8600*	1,550	377*	3600*	4,530	21,742	27,008	4,020
Mar.	2,000	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.
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

Source : Department of Mineral and Geoscience Malaysia

* 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

* : 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

* : 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
												Jan	Feb
EUROPE													
Portugal	45	24	24	84	96	48	56	60	108	108	108	9	9
Spain	-	-	-	-	-	7	23	32	147	74	49	2	2
Russia	612	600	600	240	240	1,140	702	1,200	2,264	2,538	2,920	244	250
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-
AFRICA													
Burundi	-	-	-	-	-	51	123	126	143	121	127	47	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
Egypt	-	-	87	12	-	-	-	-	-	-	-	-	-
Namibia	-	-	-	-	-	-	-	-	9	242	499	45	53
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
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
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-	-	-	-	-
Tanzania	-	-	-	-	-	104	68	6	18	1,600	1,200	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
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
Kazakhstan	-	-	-	-	-	-	-	-	2	-	-	-	-
Laos	1,200	766	745	840	815	1,308	779	566	1,156	1,237	1,415	249	157
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
Mongolia	24	24	44	72	240	36	50	60	110	120	120	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
Thailand	252	199	119	131	45	124	705	720	720	720	720	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
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
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
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
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
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

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
												Jan	Feb
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
Belgium	6,584	5,231	5,400	2,400	2,400	2,400	697	720	720	720	720	60	60
Bulgaria	520	500	501	360	144	101	1	117	210	240	303	20	20
Czech Republic	470	474	379	300	460	515	532	603	605	335	439	36	22
Denmark	108	13	24	11	8	3	17	7	1	10	17	1	1
Finland	131	121	72	244	211	86	51	77	94	72	95	3	10
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
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
Greece	1,350	630	616	676	655	632	600	646	634	637	646	50	60
Hungary	106	105	111	109	163	145	1,177	2,050	2,036	1,714	1,706	100	100
Ireland	48	7	3	3	7	4	0	2	0	0	1	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
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
Norway	5	9	5	3	3	0	1	1	1	10	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
Portugal	529	435	356	482	408	554	856	891	831	463	476	60	90
Romania	1,140	960	3,200	960	840	336	516	866	551	442	554	25	20
Russia	2,960	3,039	3,196	1,516	1,262	995	1,339	495	1,914	1,443	2,015	99	175
Slovakia	400	240	202	404	501	465	645	767	593	614	669	40	27
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
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
Switzerland	200	55	861	66	81	47	69	45	60	44	46	1	10
United Kingdom	703	780	821	794	962	979	936	961	262	102	80	2	14
Yugoslavia	2,390	1,320	1,140	1,080	1,080	1,080	1,080	1,080	1,080	240	960	80	80
Other Europe	900	720	720	720	720	720	720	720	720	530	480	40	0
AFRICA													
Egypt	400	110	104	0	155	107	119	225	174	139	181	20	15
Morocco	84	84	29	14	16	21	15	22	20	22	27	3	0
Nigeria	300	300	300	300	300	300	623	1,436	1,322	240	240	20	20
South Africa	1,464	1,200	1,152	1,243	1,129	1,047	957	633	604	326	340	59	24
Other Africa	900	720	720	720	720	720	720	720	720	530	480	40	0
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
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
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
Indonesia	1,200	1,200	600	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,200	100	100
Iran	2,400	1,200	797	737	1,129	987	1,058	1,573	2,221	2,261	1,600	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
Kazakhstan	1,044	606	602	431	423	490	431	405	350	287	0	5	50
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
Pakistan	480	360	528	618	480	279	300	489	311	194	322	16	16
Philippines	217	122	143	225	118	506	220	307	1,385	776	1,045	75	24
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
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
Syria	180	120	0	120	120	120	120	120	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
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
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
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
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
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
AMERICA													
Argentina	778	752	882	560	833	878	596	674	420	1,108	799	40	35
Bolivia	480	480	480	480	480	480	480	480	480	480	480	40	40
Brazil	5,628	3,546	6,073	4,600	4,606	17,258	10,009	9,357	9,398	3,333	2,466	40	85
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
Chile	242	199	132	96	152	111	82	95	111	133	130	16	5
Colombia	348	320	308	286	243	300	280	271	248	237	207	33	10
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
Peru	216	216	220	216	216	216	216	216	216	198	216	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
Venezuela	335	205	187	178	90	59	19	16	12	10	12	1	1
Other America	600	420	420	420	420	420	420	420	420	275	240	20	0
OCEANIA													
Australia	579	480	516	427	467	215	259	284	375	255	317	0	20
New Zealand	66	73	19	18	19	7	49	46	41	30	65	0	5
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

Source : World Bureau of Metal Statistics