

MALAYSIAN TIN BULLETIN

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WHAT'S INSIDE

APRIL TIN MARKET REVIEW

- London Metal Exchange

NEWS ROUND-UP

- Key Trade Routes in North Kivu Disrupted by M23 Rebels
- Uganda's First Tin Refinery Launched
- Completion of South Crofty PEA by Second Quarter 2024
- Alphamin's Earnings Increased following Sales Recovery

SPECIAL ARTICLE

- 'Disused Ipoh Mining Pond has Tourism Potential'

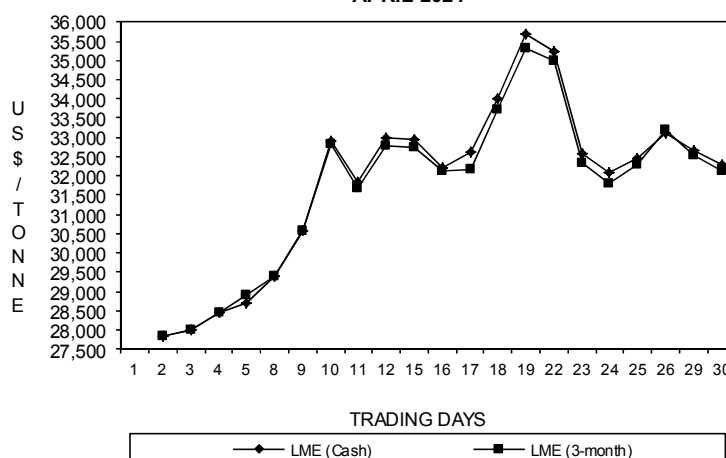
TIN STATISTICS

- LME Tin Prices
- World Refined Tin Stocks
- Malaysian Production, Number of Mines in Operations & Employment at Tin Mines by Mining Methods
- Malaysian Refined Tin Production, Import of Tin-in-Concentrates & Export of Tin Metal
- Malaysia's Domestic Tin Consumption
- World Mine Production
- World Refined Tin Consumption

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APRIL TIN MARKET REVIEW

LME TIN PRICES
APRIL 2024



London Metal Exchange (LME)

Tin trading on the LME during the month of April was mostly on an upward momentum, influenced largely by strong demand and again followed the same trading pattern as the other base metals traded on the Exchange.

LME cash tin was traded within a wide price range of US\$27,845 to US\$35,685 per tonne, while three-month tin was traded between US\$27,850 to US\$35,325 per tonne during the month. April's average LME cash and three-month tin prices were US\$31,845 and US\$31,710 per tonne, respectively.

The first trading week began at US\$27,845 per tonne for cash tin and US\$27,850 per tonne for three-month tin, being their respective lowest price level for the month. But, they were both higher than March's closing of US\$27,650 per tonne for cash tin and US\$27,600 per tonne for three-month tin. Approaching end of the trading week, prices strengthened buoyed by strong demand.

Continuing strong demand boosted the tin price higher towards middle of the second trading week. It slid slightly before regaining strength at end of the trading week.

After going through a brief technical correction at the beginning of the third trading week, the tin price rose to reach the month's highest price level on 19th April for both cash and three-month tin at US\$35,685 and US\$35,325 per tonne, respectively. Sentiment was bullish with buyers actively participating in the market.

Trading, however, went the opposite direction during the early days of the fourth trading week before strengthening towards end of the week. According to a trader, the earlier decline was due to profit taking by investment funds, which took advantage of the earlier higher prices.

The tin price softened during the short final trading week to close the April trading month at US\$32,300 per tonne for cash tin and US\$32,150 per tonne for three-month tin, much higher than their respective opening prices.

NEWS ROUND-UP

Key Trade Routes in North Kivu Disrupted by M23 Rebels

The M23 non-state armed group rebels have expanded their territory in North Kivu, Democratic Republic of Congo (DRC), an important region for global supply of tin, tantalum and tungsten (3Ts).

The M23 rebels have controlled areas between Lake Edward and Lake Kivu since mid-2022, a key trade route for minerals, including tin. The rebels have blocked the two main roads into Goma, both from the north and the west, halting the transportation of goods into the provincial capital, home to two million people.

A spokesman from the UN's peacekeeping mission in the country informed the UN Security Council last week that 800,000 people have been displaced due to violence since the start of the year and nearly a quarter of DRC's 100 million people are facing food insecurity. The spokesman added that M23 insurgents now occupy all former positions held by an international force that withdrew at the end of last year, with the M23 occupation reaching "unprecedented levels".

The Goma customs crossing between DRC and Rwanda is a key route for the export of artisanal mine production via the Tanzanian port of Dar es Salaam. Local media reports that a customs crossing between DRC and Uganda at Bunagana, a trade route to the Kenyan port of Mombasa, has been

closed. Alternative routes from the region to east African ports such as southwards into Rwanda via Bukavu customs on the southern shore of Lake Kivu, and northwards into Uganda via Goli customs northwest of Lake Albert are substantially longer and more costly.

Furthermore, eastern DRC border crossings have reportedly been operating reduced hours due to the conflict, which poses risk of further delays to concentrate shipments from east Africa to smelters in Asia.

In December 2023, ITSCI, a 3Ts due diligence and traceability programme, suspended mining operations in Masisi territory following M23 rebels taking control of the mineral transport route between Masisi and Goma. Operations remain suspended in the territory.

Alphamin Resources' Bisie mine, which represented 4.5 per cent of global tin mine production in 2023, is located approximately 180 kilometers west of Goma.

Since the escalation of conflict at the start of 2024, concentrate exports from DRC have not seen a significant decline, falling just 5 per cent in January 2023 from the previous month to 21,943 tonnes. More recent trade data is not yet available.

Uganda's First Tin Refinery Launched

Tin miner, Woodcross Resources, has launched its refinery at Mbarara, Uganda. It is the first in the country and the third in the African continent. The company has been developing this facility following a number of regulatory changes that prohibited concentrate exports, and has become the first integrated tin producer in Uganda.

Uganda's President, Yoweri Kaguta Museveni, and the Minister of Energy & Mineral Development, Dr Ruth Nankabirwa Ssentamu, attended the opening of the facility.

Despite Africa's contribution of 12 per cent of mined tin in 2023, smelting capacity in Africa is very limited. Existing operations in Rwanda and DRC together provide only 0.3 per cent of global refined tin supply, with the vast majority of tin concentrates being exported to smelters in Asia.

The new facility in Mbarara district has a nameplate throughput capacity of 1,600 tonnes per annum, with output approximately 1,000 tonnes per annum of LME-conformant tin ingots grading 99.85 per cent Sn. The refinery is located less

than 50 kilometers from Woodcross' two existing mines at Ntungamo and Isingiro.

In 2022, new mining regulations came into force, introducing a new licensing regime and an effective ban on concentrate exports. In December 2023, Energy & Mineral Development Minister, Dr Nankabirwa, announced statutory changes to reinforce this with an increased minimum export grade for tin of 99.85 per cent, aligning with the Government's wider mineral strategy for increased value addition.

While Woodcross Resources' development plans for their two mining licences and four additional exploration permits have been on hold since the regulatory changes, the completion of the commissioning of their refinery will allow the company to continue plans to formalise artisanal operations and develop its small-scale mining operations.

Projects to formalise and develop artisanal mining operations are increasingly prevalent around the world, and particularly in Africa, where an estimated 53 per cent of mined tin supply originates from artisanal and small-scale mining.

Completion of South Crofty PEA by Second Quarter 2024

Cornish Metals has announced that it is on track to complete the Preliminary Economic Assessment (PEA) of the historic South Crofty mine in the second quarter of 2024.

The company has been working on the refurbishment of the South Crofty mine, located in Cornwall, UK, which closed in 1998 after over 400 years in production and has since flooded. Recent activities have included the continuing refurbishment of New Cook's Kitchen (NCK) shaft, with two new winders now fully commissioned, and the ongoing project to dewater the mine and treat the wastewater for discharge into the adjacent Red River.

An eighteen-month dewatering programme commenced in the fourth quarter of 2023, and the water level at NCK has reached 280 meters below surface. The NCK shaft is the sec-

ond deepest usable shaft at South Crofty, at 770 meters deep.

The company's spokesman commented "Work is well advanced on the South Crofty PEA, which remains scheduled for delivery this quarter. The project team continues to advance mine dewatering and NCK shaft refurbishment, ventilation shaft and process plant design work, and stakeholder engagement and outreach in support of a future Feasibility Study and potential construction decision."

The company has also made progress on an exploratory drilling campaign at the Wide Formation in the Carn Brea area. Nine drill holes have been completed for a total of 7,200 meters, and two more drill holes are currently in progress.

Alphamin's Earnings Increased following Sales Recovery

Alphamin Resources, operator of the Bisie mine, has announced a 156 per cent quarter-on-quarter increase in earnings before interest, taxes, depreciation, and amortisation (EBITDA) in the first quarter of 2024.

In the quarter ending 31 March 2024, ore processing rose 4 per cent from the previous quarter to 109,424 tonnes, balanced by a 4 per cent decrease in grade to 3.83 per cent Sn. On unchanged tin recovery of 75 per cent, overall tin-in-concentrate production saw a marginal increase to 3,142 tonnes from 3,126 tonnes. Sales, however, increased 102 per cent to 4,126 tonnes compared to 2,046 tonnes in the previous quarter.

EBITDA increased by 156 per cent from US\$20.3 million to US\$52.0 million attributed to the clearance of most of the fourth quarter 2023 sales backlog and 7 per cent higher tin prices. Sales in the fourth quarter of 2023 had been disrupted due to exceptional rainfall in DRC damaging infrastructure on key trade routes.

All in sustaining costs (AISC) increased marginally to \$14,785 per tonne of tin sold, attributed to increased royalties, export duties, marketing commissions and net smelter returns, which in turn, was due to the increased tin price. The company's cash reserves increased to US\$53.5 million as of 31 March 2024 compared to US\$7.2 million on 31 December 2024 while net debt declined from US\$73 million to \$28 million.

The company's major expansion project, Mpama South, DRC, is behind schedule on delays to the commissioning of the new processing plant. Engineering teams are now in the final stages of plant commissioning, while crushed ore stockpiles have reached 5,300 tonnes. The expansion is expected to increase Alphamin's production capacity from approximately 12,500 tonnes to 20,000 tonnes tin per annum.

(Source: International Tin Association Ltd. UK)

SPECIAL ARTICLE

'Disused Ipoh Mining Pond has Tourism Potential'

A former tin mining pond in Kampung Temiang, Ipoh in Perak, has the potential of being developed into a tourist attraction, says a non-governmental organisation. AJ Kinta Perak Community Welfare Association president Roslan Ali said the pond had been abandoned for the past 80 years. He said the NGO planned to develop the place and make it as popular as other Malay villages in the country, like Kampung Baru in Kuala Lumpur and Kampung Kacang Putih in Buntong (Perak), which is well known for Indian snacks.

"I am in the midst of putting in my proposal to the local authorities to set up a floating restaurant at the pond. For now, we have stalls by the side of the pond, selling fresh chicken and beef during the fasting month," he said when met. Ros-

lan has plans to get permission to have paddling boats there as well.

"It is rare to have a mining pond in the city, and if this place is spruced up with more lighting and the bushes cleared, it could be a good place for photography. There are also plans to open stalls selling handicrafts and foodstuff, including anchovies," he said. "The view surrounding the pond is beautiful as there are several traditional houses in the background. This could be an alternative for those visiting Ipoh as they could also experience village life in the city," he added.

(Source: The Star, 15 April 2024)

LME TIN PRICES

Period		Cash (US\$/Tonne)	3-Month (US\$/Tonne)
2016 2017 2018 2019 2020 2021 2022 2023		17,982	17,889
		20,098	19,994
		20,168	20,086
		18,671	18,610
		17,134	17,079
		32,584	31,105
		31,384	31,122
		25,973	25,951
2021	Jan.	21,955	21,596
	Feb.	26,717	24,415
	Mar.	27,396	25,079
	Apr.	28,427	26,568
	May	32,524	29,736
	Jun.	32,678	30,829
	Jul.	34,183	33,010
	Aug.	35,205	34,352
	Sep.	35,048	34,109
	Oct.	37,962	36,567
	Nov.	39,333	38,042
	Dec.	39,574	38,956
2022	Jan.	41,807	41,344
	Feb.	44,118	43,820
	Mar.	44,249	43,917
	Apr.	43,122	42,644
	May	35,945	35,617
	Jun.	31,777	31,459
	Jul.	25,173	24,816
	Aug.	24,520	24,276
	Sep.	21,258	21,150
	Oct.	19,406	19,373
	Nov.	21,136	21,004
	Dec.	24,099	24,038
2023	Jan.	28,081	28,146
	Feb.	27,070	27,218
	Mar.	24,014	24,076
	Apr.	25,886	25,744
	May	25,610	25,345
	Jun.	27,263	26,318
	Jul.	28,751	28,387
	Aug.	25,995	26,211
	Sep.	25,559	25,767
	Oct.	24,618	24,878
	Nov.	24,221	24,472
	Dec.	24,606	24,851
2024	Jan.	25,211	25,443
	Feb.	26,157	26,390
	Mar.	27,446	27,581
	Apr.	31,845	31,710
2024 APR	1	CLOSED	
	2	27,845	27,850
	3	28,025	28,000
	4	28,450	28,450
	5	28,705	28,900
	8	29,395	29,400
	9	30,585	30,560
	10	32,925	32,825
	11	31,850	31,675
	12	32,975	32,800
	15	32,950	32,750
	16	32,200	32,150
	17	32,640	32,185
	18	34,025	33,710
	19	35,685	35,325
	22	35,250	34,975
	23	32,600	32,355
	24	32,085	31,805
	25	32,450	32,300
	26	33,125	33,200
	29	32,675	32,550
	30	32,300	32,150

Source : London Metal Exchange

WORLD REFINED TIN STOCKS (In 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			
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	2,587	1,469	439	3,600	5,610	16,790	27,226	4,020
2019	7,130	2,130	955	8,600	1,806	400	3,600	5,920	23,217	35,678	4,020
2020	1,890	2,130	955	8,600	1,473	271	3,600	5,100	22,129	29,464	4,020
2021	2,020	2,130	955	8,600	1,545	377	3,600	4,530	21,737	25,142	4,020
2022	2,990	2,130	955	8,600	1,572	230	3,600	4,740	21,827	28,900	4,020
2019 Jan.	1,845	2,130	955	2,587	1,578	439	3,600	5,150	16,439	26,524	4,020
Feb.	1,325	2,130	955	2,587	1,578	439	3,600	5,150	16,552	26,111	4,020
Mar.	950	2,130	955	8,594	1,765	439	3,600	4,850	22,333	31,458	4,020
Apr.	890	2,130	955	8,594	1,834	439	3,600	5,580	23,132	31,451	4,020
May.	2,810	2,130	955	8,600	1,849	439	3,600	5,510	23,083	34,096	4,020
Jun.	6,045	2,130	955	8,600	2,520	209	3,600	5,510	23,524	37,961	4,020
Jul.	4,640	2,130	955	8,600	2,520	209	3,600	5,510	23,524	34,583	4,020
Aug.	6,830	2,130	955	8,600	2,445	209	3,600	5,510	23,449	35,355	4,020
Sep.	6,620	2,130	955	8,600	2,013	919	3,600	5,510	23,017	34,215	4,020
Oct.	6,020	2,130	955	8,600	2,100	400	3,600	5,510	23,104	33,684	4,020
Nov.	6,235	2,130	955	8,600	2,022	400	3,600	5,510	23,217	33,116	4,020
Dec.	7,130	2,130	955	8,600	1,806	400	3,600	5,920	23,217	35,678	4,020
2020 Jan.	6,630	2,130	955	8,600	2,041	400	3,600	4,780	22,546	36,171	4,020
Feb.	7,440	2,130	955	8,600	1,966	400	3,600	4,780	22,431	36,261	4,020
Mar.	6,205	2,130	955	8,600	1,966	268	3,600	4,780	22,211	32,855	4,020
Apr.	5,375	2,130	955	8,600	1,761	268	3,600	4,780	22,094	31,171	4,020
May.	2,455	2,130	955	8,600	1,850	268	3,600	5,090	22,183	28,129	4,020
Jun.	4,230	2,130	955	8,600	1,697	268	3,600	5,080	22,330	29,666	4,020
Jul.	3,675	2,130	955	8,600	1,645	268	3,600	5,070	22,268	29,226	4,020
Aug.	5,040	2,130	955	8,600	1,520	268	3,600	5,080	22,143	30,811	4,020
Sep.	5,550	2,130	955	8,600	1,663	432	3,600	5,100	22,480	31,518	4,020
Oct.	4,533	2,130	955	8,600	1,621	432	3,600	5,060	22,398	31,119	4,020
Nov.	3,805	2,130	955	8,600	1,473	432	3,600	5,100	22,290	31,100	4,020
Dec.	1,890	2,130	955	8,600	1,473	271	3,600	5,100	22,129	29,464	4,020
2021 Jan.	820	2,130	955	8,600	1,570	271	3,600	5,240	22,366	29,477	4,020
Feb.	1,745	2,130	955	8,600	1,578	271	3,600	5,910	23,044	33,151	4,020
Mar.	1,740	2,130	955	8,600	1,573	181	3,600	4,540	21,579	31,734	4,020
Apr.	1,245	2,130	955	8,600	1,573	181	3,600	4,550	21,589	30,572	4,020
May	755	2,130	955	8,600	1,573	181	3,600	4,550	21,589	28,232	4,020
Jun.	2,015	2,130	955	8,600	1,573	181	3,600	4,500	21,539	27,012	4,020
Jul.	2,290	2,130	955	8,600	1,573	181	3,600	4,460	21,499	26,954	4,020
Aug.	1,395	2,130	955	8,600	1,581	181	3,600	4,440	21,487	24,199	4,020
Sep.	1,235	2,130	955	8,600	1,518	265	3,600	4,440	21,508	24,344	4,020
Oct.	670	2,130	955	8,600	1,518	265	3,600	4,510	21,508	23,287	4,020
Nov.	1,285	2,130	955	8,600	1,548	265	3,600	4,530	21,508	24,894	4,020
Dec.	2,045	2,130	955	8,600	1,545	377	3,600	4,530	21,737	25,142	4,020
2022 Jan.	2,390	2,130	955	8,600	1,545	181	3,600	5,040	22,051	27,505	4,020
Feb.	2,245	2,130	955	8,600	1,550	181	3,600	5,060	22,076	27,342	4,020
Mar.	2,000	2,130	955	8,600	1,535	181	3,600	4,940	21,941	26,552	4,020
Apr.	2,010	2,130	955	8,600	1,551	681	3,600	4,750	22,267	26,222	4,020
May	1,990	2,130	955	8,600	1,572	681	3,600	4,710	22,248	26,496	4,020
Jun.	2,765	2,130	955	8,600	1,616	681	3,600	4,770	22,352	28,868	4,020
Jul.	3,330	2,130	955	8,600	1,572	230	3,600	4,740	21,827	29,267	4,020
Aug.	4,065	2,130	955	8,600	1,572	230	3,600	4,700	21,787	28,578	4,020
Sep.	4,565	2,130	955	8,600	1,572	230	3,600	4,740	21,827	28,093	4,020
Oct.	4,255	2,130	955	8,600	1,572	230	3,600	4,770	21,857	28,643	4,020
Nov.	2,930	2,130	955	8,600	1,572	230	3,600	4,740	21,827	28,900	4,020
Dec.	2,880	2,130	955	8,600	1,572	230	3,600	4,740	21,827	28,900	4,020
2023** Jan.	3,015	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	4,020
Feb.	2,950	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

Source : World Bureau of Metal Statistics

* : at producer

** : Preliminary

n.y.a : Not yet available

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

YEAR	AGGREGATE			Dredging			Gravel Pump			Open Cast			Under Ground			Panning			Avg Rmt / Min Pro Plnt		
	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	10	1,534	-	-	-	-	-	-	2,780	10	1,348	-	-	-	125	-	-	58	11	186
2021	3,013	13	1,844	-	-	-	-	-	-	2,796	13	1,624	-	-	-	119	-	-	64	11	220
2022	3,517	19	2,037	-	-	-	-	-	-	3,298	19	1,840	-	-	-	138	-	-	80	10	197
2023**	3,767	23	2,496	-	-	-	-	-	-	3,591	23	2,210	-	-	-	152	-	-	24	16	286
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.	297	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.	301	12	1,358	-	-	-	-	-	-	276.2	12	1,138	-	-	-	11.0	-	-	4.7	11	220
Nov.	287	13	1,844	-	-	-	-	-	-	255.6	13	1,624	-	-	-	9.0	-	-	5.7	11	220
Dec.	295	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
May	276	15	1,849	-	-	-	-	-	-	262.5	15	1,658	-	-	-	12.0	-	-	1.4	10	191
Jun.	285	15	1,869	-	-	-	-	-	-	265.8	15	1,678	-	-	-	16.0	-	-	3.7	10	191
Jul.	303	19	1,877	-	-	-	-	-	-	283.5	19	1,689	-	-	-	12.3	-	-	7.5	10	188
Aug.	338	19	1,896	-	-	-	-	-	-	314.6	19	1,699	-	-	-	18.3	-	-	4.7	10	197
Sep.	325	16	1,940	-	-	-	-	-	-	304.6	16	1,744	-	-	-	16.5	-	-	4.1	10	196
Oct.	322	18	1,919	-	-	-	-	-	-	310.5	18	1,722	-	-	-	7.3	-	-	4.4	10	197
Nov.	271	17	1,929	-	-	-	-	-	-	258.1	17	1,732	-	-	-	10.0	-	-	2.6	10	197
Dec.	331	19	2,037	-	-	-	-	-	-	322.1	19	1,840	-	-	-	7.8	-	-	1.5	10	197
2023**																					
Jan.	327	20	2,026	-	-	-	-	-	-	314.5	20	1,841	-	-	-	11.2	-	-	1.5	9	185
Feb.	301	16	1,998	-	-	-	-	-	-	284.7	16	1,813	-	-	-	15.6	-	-	0.9	9	185
Mar.	316	15	2,043	-	-	-	-	-	-	300.6	15	1,859	-	-	-	14.9	-	-	0.3	9	184
Apr.	297	17	2,070	-	-	-	-	-	-	282.2	17	1,887	-	-	-	14.7	-	-	0.3	9	183
May	315	20	2,106	-	-	-	-	-	-	296.4	20	1,897	-	-	-	17.8	-	-	1.1	14	209
Jun.	304	18	2,136	-	-	-	-	-	-	286.3	18	1,921	-	-	-	16.2	-	-	1.7	14	215
Jul.	316	18	2,135	-	-	-	-	-	-	300.3	18	1,922	-	-	-	14.7	-	-	0.6	14	213
Aug.	309	19	2,141	-	-	-	-	-	-	291.5	19	1,924	-	-	-	14.7	-	-	2.4	14	217
Sep.	290	20	2,134	-	-	-	-	-	-	276.1	20	1,921	-	-	-	11.1	-	-	2.6	15	213
Oct.	355	20	2,424	-	-	-	-	-	-	339.0	20	2,184	-	-	-	10.7	-	-	4.8	16	240
Nov.	312	20	2,426	-	-	-	-	-	-	305.3	20	2,186	-	-	-	5.4	-	-	0.9	16	240
Dec.	326	23	2,496	-	-	-	-	-	-	313.8	23	2,210	-	-	-	5.3	-	-	7.1	16	286

Source : Department of Mineral and Geoscience Malaysia

** : Preliminary.

- : Nil

Note : * Number of units does not include Retreatment / Mineral Processing Plant

**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	3,013	322	16,634	1,156	16,441
2022	3,517	18,043	19,442	1,152	19,299
2023*	3,767	n.y.a	n.y.a	1,161	n.y.a
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.	297	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.	301	16	1,349	98	1,165
Nov.	287	10	1,086	91	1,172
Dec.	295	21	1,127	92	1,028
2022					
Jan.	234	1,173	1,332	106	1,305
Feb.	252	1,162	1,160	108	1,017
Mar.	306	1,258	1,653	89	1,659
Apr.	273	1,511	1,417	117	1,431
May	276	1,660	1,143	82	1,333
Jun.	285	1,729	1,730	76	1,481
Jul.	303	1,475	1,886	100	1,494
Aug.	338	1,397	2,211	94	2,402
Sep.	325	1,313	1,592	83	1,948
Oct.	322	1,842	1,692	82	1,431
Nov.	271	1,454	1,702	117	1,622
Dec.	331	2,069	1,924	98	2,176
2023*					
Jan.	327	1,482	1,780	94	1,388
Feb.	301	1,715	1,561	118	2,015
Mar.	316	1,920	2,054	113	2,138
Apr.	297	1,374	1,513	89	1,651
May	315	1,617	1,848	103	1,730
Jun.	304	1,416	1,453	87	1,724
Jul.	316	2,096	1,912	75	1,557
Aug.	309	1,485	1,664	57	1,778
Sep.	290	1,837	1,591	73	1,535
Oct.	355	1,631	2,076	132	2,062
Nov.	312	n.y.a	n.y.a	109	n.y.a
Dec.	326	n.y.a	n.y.a	110	n.y.a

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

* : Preliminary

n.y.a : Not yet available

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
2022	1,152	400	639	9	104
2023	1,161	555	485	5	116
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.	106	27	56	0	23
Feb.	108	35	69	1	3
Mar.	89	24	58	1	6
Apr.	117	39	67	1	10
May	82	24	54	0	4
Jun	76	20	50	0	6
Jul.	100	25	62	2	11
Aug.	94	30	54	0	10
Sep.	83	40	35	1	7
Oct.	82	30	41	1	10
Nov.	117	57	50	1	9
Dec.	98	49	43	1	5
2023					
Jan.	94	60	31	0	3
Feb.	118	68	40	1.5	8
Mar.	113	79	29	0.1	5
Apr.	89	41	39	1.0	8
May.	103	50	38	1.1	14
Jun.	87	55	30	0.1	2
Jul.	75	20	48	0.1	7
Aug.	57	20	27	0.1	10
Sep.	73	27	42	0.2	4
Oct.	132	55	56	0.1	21
Nov.	109	40	52	0.1	17
Dec.	110	40	53	0.1	17
2024					
Jan.	n.y.a	n.y.a	49	n.y.a	n.y.a
Feb.	n.y.a	n.y.a	42	n.y.a	n.y.a
Mar.	n.y.a	n.y.a	35	n.y.a	n.y.a
Apr.	n.y.a	n.y.a	41	n.y.a	n.y.a

Sources : Malaysia Smelting Corporation Bhd

Perstima Bhd

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

Note : Domestic 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.

n.y.a : not yet available

WORLD MINE PRODUCTION**(In Tonnes)**

	2016	2017	2018	2019	2020	2021	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022
							Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
EUROPE																	
Portugal	48	56	60	108	108	108	9	9	9	9	9	9	9	9	9	9	9
Spain	7	23	32	147	74	49	2	2	2	2	2	2	10	10	10	10	10
Russia	1,140	702	1,200	2,264	2,538	2,920	244	250	182	237	237	238	200	200	200	200	200
United	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AFRICA																	
Burundi	51	123	126	143	121	127	47	50	50	50	50	50	0	11	0	0	0
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	1,500	1,500	1,047	1,000	1,000
Egypt	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Namibia	0	0	0	9	242	499	45	53	50	50	52	50	50	50	50	50	49
Nigeria	3,827	5,964	8,784	7,020	5,848	6,900	500	500	500	500	500	500	1,200	1,200	518	500	500
Rwanda	2,621	3,508	2,400	2,223	1,692	2,122	150	150	150	150	150	150	200	200	200	200	200
South Africa	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Zimbabwe	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tanzania	104	68	6	18	1,600	1,200	100	100	100	100	100	100	100	100	100	100	100
Uganda	0	66	53	50	0	0	0	0	0	0	0	0	0	0	0	0	0
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	7,000	7,000	6,200	13,700	9,200
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	5,000	5,000	5,000	5,000	5,000
Kazakhstan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Laos	1,308	779	566	1,156	1,237	1,415	249	157	200	337	54	50	117	312	195	200	200
Malaysia	4,123	3,967	3,999	4,080	3,183	3,180	265	265	265	265	265	265	265	265	265	265	265
Mongolia	36	50	60	110	120	120	10	10	10	10	10	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	3,500	3,500	2,600	2,500	2,000
Thailand	124	705	720	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	5,400	450	450	450	450	450	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	1,500	1,500	1,400	1,400	1,400
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	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	2,675	1,920	2,263	2,454	2,368
U.S.A.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OCEANIA																	
Australia	6,635	7,217	6,871	7,738	7,836	8,691	600	600	600	900	900	900	800	800	750	750	750
WORLD	351,948	370,299	379,482	355,116	320,452	353,820	26,942	26,699	29,494	27,893	29,345	22,021	24,197	22,705	22,827	30,358	25,271

Source : World Bureau of Metal Statistics

WORLD REFINED TIN CONSUMPTION
(In Tonnes)

	2016	2017	2018	2019	2020	2021	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022	2022
							Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
EUROPE																	
Austria	3,323	4,148	3,983	3,082	2,960	4,057	250	200	204	200	328	300	227	250	435	450	300
Belgium	2,400	697	720	720	720	720	60	60	60	60	60	60	60	60	60	60	60
Bulgaria	101	1	117	210	240	303	20	20	20	20	20	20	20	20	20	20	20
Czech Republic	515	532	603	605	335	439	36	22	24	29	24	20	12	44	12	15	18
Denmark	3	17	7	1	10	17	1	1	1	1	1	1	1	1	1	1	1
Finland	86	51	77	94	72	95	3	10	18	0	1	1	4	5	2	5	10
France	4,736	5,456	6,080	5,020	4,982	3,643	242	280	351	471	284	386	246	386	361	382	219
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	1,163	1,593	1,515	1,434	1,024
Greece	632	600	646	634	637	646	50	60	50	50	50	51	53	52	60	60	50
Hungary	145	1,177	2,050	2,036	1,714	1,706	100	100	130	130	122	100	152	150	150	150	100
Ireland	4	0	2	0	0	1	0	0	0	0	0	0	0	0	1	0	0
Italy	3,495	3,974	4,678	4,324	3,402	4,153	300	300	522	500	479	500	456	450	742	750	750
Netherlands	6,000	6,000	6,000	6,000	5,400	5,400	450	450	450	450	450	450	450	450	450	450	450
Norway	0	1	1	1	10	0	0	0	0	0	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	100	100	196	200	130
Portugal	554	856	891	831	463	476	60	90	10	10	197	58	141	104	110	110	110
Romania	336	516	866	551	442	554	25	20	50	50	64	60	23	25	20	20	10
Russia	995	1,339	495	1,914	1,443	2,015	99	175	175	175	180	180	180	180	170	170	170
Slovakia	465	645	767	593	614	669	40	27	68	47	70	46	72	69	47	50	75
Spain	1,495	1,605	1,652	1,563	1,898	1,715	160	100	200	200	148	150	128	150	80	80	200
Sweden	6,492	5,457	6,020	5,835	5,343	6,105	600	530	549	550	517	541	500	500	296	300	700
Switzerland	47	69	45	60	44	46	1	10	10	10	13	10	1	5	10	10	5
United Kingdom	979	936	961	262	102	80	2	14	12	4	10	12	5	4	10	3	2
Yugoslavia	1,080	1,080	1,080	1,080	240	960	80	80	80	80	80	80	80	80	80	80	80
Other Europe	720	720	720	720	530	480	40	0	40	40	40	40	40	40	40	40	40
AFRICA																	
Egypt	107	119	225	174	139	181	20	15	15	15	10	10	5	5	10	10	10
Morocco	21	15	22	20	22	27	3	0	2	5	6	4	0	0	0	0	0
Nigeria	300	623	1,436	1,322	240	240	20	20	20	20	20	20	20	20	20	20	20
South Africa	1,047	957	633	604	326	340	59	24	36	44	34	35	35	30	49	50	50
Other Africa	720	720	720	720	530	480	40	0	40	40	40	40	40	40	10	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	5,284	15,088	17,620	18,719	18,657
Hong Kong	1,800	1,800	3,300	3,600	480	1,359	130	130	130	130	130	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	1,812	1,211	1,423	1,400	1,000
Indonesia	1,200	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	1,600	100	100	100	100	100	100	100	100	83	174	102
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	2,146	2,172	2,048	1,851	2,162
Kazakhstan	490	431	405	350	287	0	5	50	50	0	0	45	20	130	50	1	0
Malaysia	1,560	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	322	16	16	15	0	30	30	48	50	23	22	20
Philippines	506	220	307	1,385	776	1,045	75	24	16	97	109	29	86	61	40	40	111
Singapore	1,960	1,920	1,920	1,920	1,720	1,920	160	160	160	160	160	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	1,162	1,214	1,343	872	1,040
Syria	120	120	120	0	0	0	0	0	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	925	767	674	700	750
Thailand	3,131	4,259	3,000	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	4,158	350	522	576	529	272	311	205	495	333	461	420
United Arab Emirates	4,800	4,800	3,600	3,600	2,160	2,160	180	180	180	180	180	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	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	130	130	130	130	130
AMERICA																	
Argentina	878	596	674	420	1,108	799	40	35	26	39	43	40	4	14	55	34	53
Bolivia	480	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	2,466	40	85	84	100	100	100	100	100	100	100	100
Canada	2,887	2,562	2,489	2,387	1,871	3,264	148	493	351	350	350	350	68	72	202	54	94
Chile	111	82	95	111	133	130	16	5	5	7	10	11	5	17	5	10	38
Colombia	300	280	271	248	237	207	33	10	4	5	12	12	25	20	8	10	10
Mexico	4,160	4,197	4,906	4,779	4,406	4,661	400	400	454	450	242	250	267	300	160	150	300
Peru	216	216	216	216	198	216	18	18	18	18	18	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	2,466	1,787	1,646	2,949	1,843
Venezuela	59	19	16	12	10	12	1	1	1	1	1	1	1	1	1	1	1
Other America	420	420	420	420	275	240	20	0	20	20	20	20	20	20	20	20	20
OCEANIA																	
Australia	215	259	284	375	255	317	0	20	49	54	9	56	18	47	27	21	21
New Zealand	7	49	46	41	30	65	0	5	0	12	0	9	11	0	7	5	5
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	20,515	30,007	32,383	34,082	32,909

Source : World Bureau of Metal Statistics