



APRIL TIN MARKET REVIEW

Kuala Lumpur Tin Market (KLTM)

Tin trading on the KLTM during the month of April was mostly upbeat. Strong demand and tight supply were factors that contributed to the upward momentum.

The local physical tin market began the short first trading week of the month at US\$26,350 per tonne before easing to record the lowest price level for the month at US\$26,250 per tonne on 2nd, 5th and 6th April. It was the month's least active trading week, recording the lowest volume of only 34 tonnes.

The market opened the second trading week at the same level as the previous week's closing and stayed unchanged the following day. It rose strongly before softening somewhat towards end of the trading week. The incline was due to strong demand as buyers dominated the market during the period. The total turnover for the week rose to 78 tonnes.

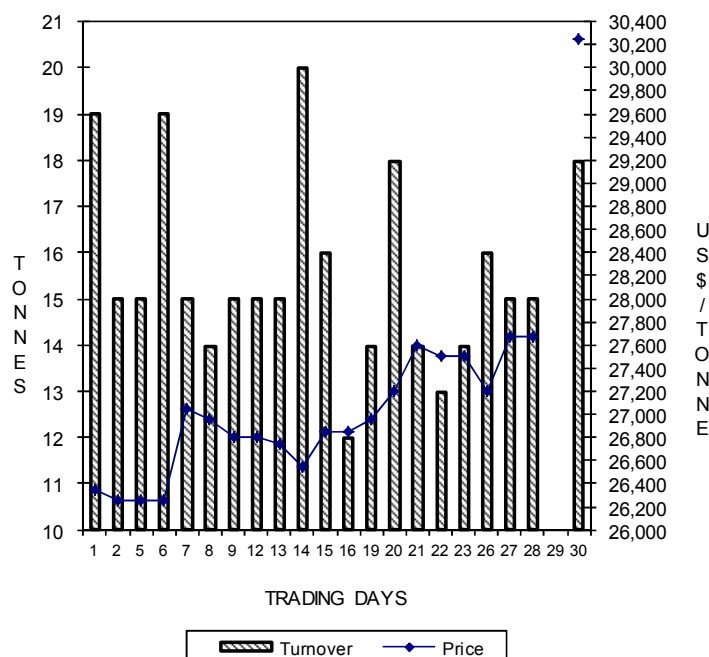
The third trading week started at US\$26,800 per tonne, unchanged from the previous week's closing. The market declined towards middle of the trading week before rebounding to end the week higher, reflecting the local physical tin market's alignment with the London Metal Exchange's (LME) up-trend. The total trading volume for the week remained at 78 tonnes.

The tin price strengthened during the first half of the fourth trading week before easing towards end of the week with the total trading volume for the week recorded at 73 tonnes.

The market opened the final trading week slightly lower before rebounding. It stayed unchanged thereafter before closing the month at US\$30,250 per tonne, a substantial increase of almost US\$2,600 per tonne which was April's highest price level. The up-surge was due to very strong demand and short supply in-line with the higher tin prices on the LME. The total volume for the week was 64 tonnes.

The average tin price recorded for April was US\$27,106 per tonne, higher than March's average of US\$26,162 per tonne. The market traded during the month within a price range of US\$26,250 to US\$30,250 per tonne. The average daily turnover recorded for April was 16 tonnes, lower than March's average of 21 tonnes. The highest daily turnover recorded for the month was 20 tonnes and the lowest was 12 tonnes. There were 21 days of trading on the KLTM in April as the market was closed for the Nuzul Al-Quran holiday on 29th April. ♦

KLTM PRICES
APRIL 2021



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London Metal Exchange (LME)

Tin trading on the LME during the early trading weeks of April were somewhat flat before strengthening towards end of the trading month. The incline was due to a dearth of sellers while buyers were eager to trade.

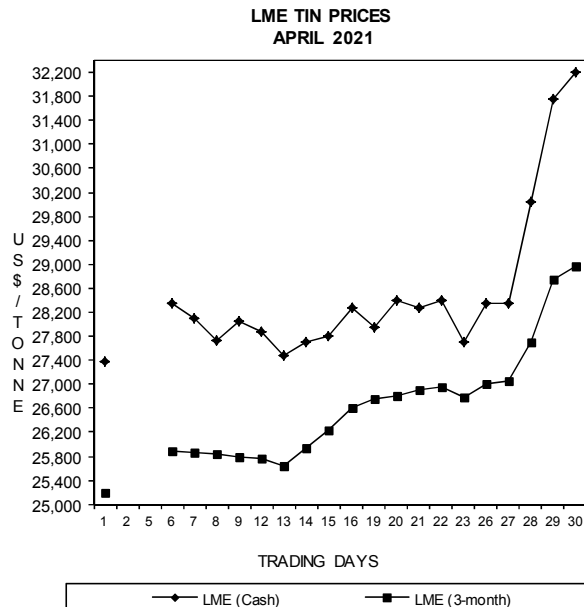
The tin price opened the trading month at US\$27,369 per tonne for cash tin and US\$25,202 per tonne for 3-month tin, both being their lowest price level for the month, respectively. It was the only trading day of the short first trading week.

During the second trading week, the tin price rose at the opening before staying somewhat flat towards end of the week tilting more towards a downward momentum.

The tin price continued to ease during the first two days of the third trading week. Thereafter, it rebounded and strengthened to end the trading week higher. The uptrend was due to heavy buying as traders took advantage from the earlier lower prices.

The market continued to strengthen during the fourth trading week before easing at end of the week following a technical correction.

The tin price rebounded at the opening of the final trading week and rose substantially to close the week and the trading month at US\$32,193 per tonne for cash tin and US\$28,975 per tonne for 3-month



tin, being the highest price level for the month of April, respectively supported by heavy demand.

The month's average LME cash tin price was US\$28,508 per tonne while the average price for 3-month tin was US\$26,625 per tonne. There were 20 days of trading on the LME in April.

NEWS HIGHLIGHT

MSC on a Roll as Tin Prices Rally

The current rally in tin prices is a boon for Malaysia Smelting Corp Bhd (MSC), especially since its tin mining and smelting operations were affected by the Covid-19-led movement control order last year. The global tin mining and smelting group will focus on strengthening its core operations for increased operational and cost efficiencies. According to group CEO and executive director Datuk Patrick Yong, the high tin prices are favourable to MSC as "it will directly benefit to the bottom line of our tin mining segment."

He foresees tin prices to be fluctuating range bound, but generally sustainable in 2021 on the back of recovering tin demand. "Currently, we are witnessing demand outpacing supply, as inventories run low, leading to a surge in tin prices. The high tin prices will also incentivise more mines to increase the supply of tin-in concentrates, which will benefit our tin smelting business. We also expect to see an emergence of tailings reprocessing soon," Yong explains to *StarBizWeek*.

In 2020, the supply chain of tin ore was affected due to Covid-19 containment measures and trade restrictions. MSC also expects the situation to improve this year as trade activities normalise with the re-opening of economies and borders following the rollout of national vaccination programmes worldwide. "In 2021, we expect less disruptions to our mining and smelting activities, which will contribute to improved production efficiency," says Yong.

As an integrated tin producer, MSC's core operations comprise both upstream and midstream activities of the tin value chain through the group's international tin smelting business, and local tin mining operations under its fully-owned subsidiary Rahman Hydraulic Tin Sdn Bhd (RHT). MSC is phasing out its 119-year old iconic tin smelting plant in Butterworth, Penang. The group's new international smelting plant in Pulau Indah, Klang has commenced its operation last year.

Yong says: "For our smelting division, we continue to undertake testing and commissioning works at the new Pulau Indah smelter. Currently, the state-of-the-art top submerged lance furnace is running at 30% capacity. We plan to gradually ramp up production there (Pulau Indah) and expect to increase to full capacity by end of this year or early 2022, barring any unforeseen circumstances."

Having said that, MSC will continue to operate the Butterworth plant in parallel until the Pulau Indah smelter reaches a steady state. "We need to ensure proper controls are in place at Pulau Indah before gradually shutting down operations at the Butterworth smelter. It may take up to a year or more for us to totally phase out production at Butterworth and start with decommissioning activities," Yong points out.

Meanwhile, the group expects its export volume to return to pre-Covid 19 levels in line with the higher refined tin production. "This is as soon as our Pulau Indah smelting plant is in full operation," adds Yong.

The total investment for the Pulau Indah facility is about RM150mil, of which about RM50mil is for the plant purchase and RM100mil for the refurbishment and upgrading works. On the group's tin mining operation, Yong says MSC looks forward to higher daily mining output with the introduction of new technologies and process mechanisation at its RHT tin mine.

"From a daily production at RHT of 9.5 tonnes per day in 2020, we have already reached 11 tonnes per day. Our efforts in acquisition of land to increase our mining output is prioritised and we hope to reach our target of 12 tonnes in a year or so," adds Yong. "We remain steadfast in increasing our daily tin ore production at the RHT tin mine in Klian Intan, Perak."

"This is by enhancing our mining processes through mechanisation and introduction of new technologies such as the mobile crushers, floatation cells and spiral separation units. At the same time, we continue to undertake exploration activities of new tin deposits. "Meanwhile, the mining activities at MSC's new mine in Sungai Lembing, Pahang have started with modest production."

The group is looking forward to higher output in 2021 as full commercial production begins, says Yong. In addition, MSC is planning for a tailings processing plant as "the current tin price level justifies the cost in further extraction in the previous discards."

On whether the high tin prices will continue, Yong expects them to hold up as the demand for tin increases and supply remains low. "With the physical tin supply chain tightness in the United States and Europe, as well as container shipping complications in Asia, it will take some time for tin supply to be replenished," adds Yong.

As the work and study-from-home trend continues, the consumption for solder is also expected to grow in line with increasing sales of consumer electronic devices and appliances. Over the long term, he says demand for the metal will be driven by the growing application of tin in various industries, such as the electric vehicles (EVs), energy storage markets and renewable energy space, to name a few.

As the research and development (R&D) on the metal intensifies, Yong says: "We will see more potential new usages for the metal. These applications include the usage of tin in lithium-ion batteries for electric vehicles, which is expected to rapidly grow."

According to the International Tin Association (ITA), tin prices have been rising up by over 30% so far this year amid tightness in the physical supply chain in both the United States and Europe while flows from Asia have been disrupted by backlogs in the container shipping market.

At the same time, consumption for the metal continues to be strong due to the higher demand for EVs, growth in US home-building, and as remote working boosted demand for computers and other electronic devices. ITA noted the global market has been in a supply deficit for the last three years.

Furthermore, there is room for further upside momentum as the near-term supply gap can only come

from expansion or revival of existing mines given the time it takes to get a permit for and dig a new mine. Tin price on the Kuala Lumpur Tin Market closed firm at US\$27,500 per tonne yesterday. The metal on the overnight benchmark London Metal Exchange was traded at US\$26,715 (RM109,785) per tonne.

(Source: The Star, 24 April 2021)

NEWS ROUND UP

China's Tin Smelters to Suspend Operation

Small and medium-sized smelters in Gejiu, China, may possibly be suspending their refining processes following environmental inspections which are expected to start in early April. The inspection, however, has already started in Honghe prefecture and can take about one month to complete.

Meanwhile, some smelters in Guangxi, Anhui, and Inner Mongolia have already stopped production. These stoppages, however, were not due to the en-

vironmental inspections, but instead were due to equipment maintenance and insufficient supply of raw materials. Raw materials supply has been declining in recent months due to heavier-than-normal seasonal rains in Myanmar, border closures, and now the environmental inspections. With Chinese treatment charges low to encourage supply, some smelters are reported to be operating at significantly reduced margins.

China's Imports from Myanmar Surpassed Expectations

China's imports of raw materials increased substantially in March, but imports from Myanmar, in particular, surpassed expectations.

According to latest data from the country's Customs Department, China imported 21,115 tonnes of ores and concentrates in gross weight in March. About 86 per cent of them came from Myanmar while the other major suppliers being Bolivia and the Democratic Republic of Congo. Some 2,395 tonnes of tin concentrate in gross weight have been imported from Bolivia since the end of 2020 due to problems at EM Vinto, the country's major tin smelter.

It was estimated that the tin content of imports in March was some 6,000 tonnes with 4,500 tonnes of them coming from Myanmar, exceeding earlier expectations of 3,500 tonnes. Imports from the country rose 114 per cent from February and 22 per cent, year-on-year. At an estimated 1,500 tonnes of tin-in-concentrate, imports from other countries also rose sharply in March by up to 67 per cent, month-on-month and 400 per cent compared to 2020.

EM Huanuni Aiming to Restart Lucianita Plant

Bolivian Mining Corporation, COMIBOL, announced recently that its Empresa Minera Huanuni (EMH) mine aims to restart the Lucianita processing plant from 1 May.

EMH mine has been depending on the aging Santa Elena plant, processing 1,500 tonnes daily, while some 200 tonnes were being processed at the Machacamarca plant. The mine has been struggling to maintain its output in recent years. Tin-in-concentrate production declined to just 5,469 tonnes in 2020 from 9,174 tonnes in 2012.

To overcome the declining production, a contract for a new processing plant costing US\$50 million was awarded to Vicstar, a construction company in 2011.

The new plant, called “Lucianita” is expected to increase processing throughput to 3,000 tonnes per day.

Although the new Lucianita plant was inaugurated in 2015 it, however, did not start operation due to lack of a tailings dam and water recirculation system which made it impossible to process material. In 2018, test work was conducted at the facility, but the plant still could not start operation due reportedly to electrical problems, as well as damage to machinery.

Comibol, however, believes that the processing plant will begin full operation this time as Vicstar will be paid another 5 million bolivianos to oversee repair work, and having to guarantee the processing plant for one year.

China's Tin Exports Continue on Weaker Domestic Demand

According to China's Customs Department data, the country was a net exporter of refined tin again in March, with net exports of some four times higher compared to February.

Imports of refined tin in March declined by 78 per cent to 102 tonnes, its lowest level since August

2019 which was at 97 tonnes. Exports, meanwhile, rose by some 28 per cent to 939 tonnes, the highest level since April 2019. China's overall net exports reached 837 tonnes, the highest level also since April 2019.

(Source: International Tin Association Ltd. UK)

TIN STATISTICS

KLTM & LME TIN PRICES

Period		KLTM				LME	
		Average Price *	Exchange	Average Daily Turnover	Total Turnover	Cash	3-Month
		(US\$/Tonne)	Rates	(Tonnes)	(Tonnes)	(US\$/Tonne)	(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
2018	Jan.	20,415		46	973	20,711	20,602
	Feb.	21,558		42	756	21,694	21,549
	Mar.	21,049		42	933	21,214	21,123
	Apr.	21,151		35	744	21,340	21,167
	May	20,740		39	710	20,900	20,794
	Jun.	20,616		45	907	20,663	20,577
	Jul.	19,687		39	857	19,700	19,610
	Aug.	19,299		31	642	19,281	19,224
	Sep.	18,905		43	736	18,999	18,951
	Oct.	19,048		33	762	19,129	19,092
	Nov.	19,133		27	536	19,139	19,123
	Dec.	19,208		26	519	19,243	19,219
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.	N.A		N.A	N.A	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
2021 APR	1	26,350	4.1445	109,208	19	27,369	25,202
	2	26,250	4.1420	108,728	15	CLOSED	CLOSED
	5	26,250	4.1455	108,819	15		
	6	26,250	4.1365	108,583	19	28,350	25,897
	7	27,050	4.1305	111,730	15	28,110	25,874
	8	26,950	4.1435	111,667	14	27,740	25,830
	9	26,800	4.1385	110,912	15	28,060	25,798
	12	26,800	4.1405	110,965	15	27,883	25,757
	13	26,750	4.1380	110,692	15	27,480	25,630
	14	26,550	4.1340	109,758	20	27,696	25,948
	15	26,850	4.1335	110,984	16	27,800	26,231
	16	26,850	4.1322	110,950	12	28,267	26,600
	19	26,950	4.1339	111,409	14	27,940	26,768
	20	27,200	4.1198	112,059	18	28,400	26,803
	21	27,600	4.1212	113,745	14	28,275	26,917
	22	27,500	4.1138	113,130	13	28,400	26,962
	23	27,500	4.1160	113,190	14	27,707	26,796
	26	27,200	4.1057	111,675	16	28,338	27,002
	27	27,670	4.1028	113,524	15	28,358	27,059
	28	27,670	4.1060	113,613	15	30,046	27,706
	29		CLOSED			31,750	28,745
	30	30,250	4.1085	124,282	18	32,193	28,975

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			
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
2017											
Jan.	5,800	2,129	955	3435*	1,416	356*	3600*	6,470	18,902	27,908	4,020
Feb.	5,560	2,129	955	3435*	1,283	356*	3600*	6,470	18,769	26,743	4,020
Mar.	3,510	2,129	955	3435*	1,282	356*	3600*	6,470	18,227	23,760	4,020
Apr.	2,865	2,129	955	3435*	1,244	356*	3600*	6,470	18,189	23,260	4,020
May.	1,910	2,129	955	3868*	1,196	241*	3600*	6,480	18,469	24,179	4,020
Jun.	1,690	2,130	955	3870*	1,311	930*	3600*	6,540	19,336	26,068	4,020
Jul.	1,985	2,130	955	3870*	1,349	930*	3600*	6,540	19,374	29,663	4,020
Aug.	1,910	2,130	955	3870*	1,411	930*	3600*	6,540	19,436	31,539	4,020
Sep.	2,070	2,130	955	3870*	1,393	346*	3600*	6,520	18,814	30,595	4,020
Oct.	2,095	2,130	955	3870*	1,393	350*	3600*	6,560	18,818	30,637	4,020
Nov.	2,395	2,130	955	3870*	1,348	350*	3600*	6,730	18,983	29,610	4,020
Dec.	2,235	2,130	955	3870*	1,360	600*	3600*	6,730	19,245	26,395	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*	5,240	22,374	32,481	4,020
Mar.	1,740	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

Sources : 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**	2,961	10	1,534	-	-	-	-	-	-	2,779	10	1,348	-	-	-	124	-	-	57	11	186
2017																					
Jan.	351	14	1,298	-	-	-	-	-	-	272.8	14	1,030	-	-	-	29.6	-	-	48.3	18	268
Feb.	316	14	1,308	-	1	36	-	-	-	251.8	13	990	-	-	-	28.3	-	-	36.0	18	282
Mar.	306	14	1,200	-	1	36	-	-	-	248.9	13	929	-	-	-	24.4	-	-	32.3	16	235
Apr.	275	13	1,220	-	-	-	-	-	-	227.9	13	985	-	-	-	30.6	-	-	16.3	16	235
May	338	16	1,330	-	-	-	-	-	-	268.1	16	1,095	-	-	-	33.6	-	-	37.7	16	235
Jun	306	17	1,301	-	-	-	-	-	-	272.0	17	1,069	-	-	-	30.7	-	-	5.5	16	232
July	333	18	1,350	-	1	36	-	-	-	273.4	17	1,083	-	-	-	34.2	-	-	25.7	16	231
Aug.	328	19	1,391	-	1	36	-	-	-	262.7	18	1,122	-	-	-	36.8	-	-	29.2	16	233
Sep.	313	16	1,316	-	-	-	-	-	-	248.6	16	1,083	-	-	-	36.5	-	-	28.9	16	233
Oct.	322	18	1,358	-	1	36	-	-	-	251.8	17	1,089	-	-	-	36.1	-	-	35.3	16	233
Nov.	368	16	1,283	-	-	-	-	-	-	271.9	16	1,050	-	-	-	43.6	-	-	53.9	16	233
Dec.	338	16	1,286	-	-	-	-	-	-	254.5	16	1,058	-	-	-	41.8	-	-	40.8	16	228
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.	288	12	1,434	-	-	-	-	-	-	273.0	12	1,248	-	-	-	11.4	-	-	3.6	11	186
Feb.	265	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

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
2010	2,668	30,589	38,771	2,942	33,697
2011	3,343	30,031	40,281	2,341	42,302
2012	3,725	26,537	37,823	2,083	37,212
2013	3,697	30,273	32,633	1,835	36,363
2014	3,777	31,610	35,018	1,581	35,221
2015	4,125	31,965	30,260	1,900	38,319
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*	2,961	22,288	22,367	1,512	22,597
2017					
Jan.	351	2,377	1,683	171	1,530
Feb.	316	2,033	2,167	203	2,635
Mar.	306	1,723	2,044	322	2,091
Apr.	275	2,441	1,832	263	1,777
May.	338	2,598	2,572	218	2,326
Jun.	306	2,446	2,121	258	1,732
Jul.	333	3,154	2,605	320	2,768
Aug.	328	2,428	2,812	178	3,106
Sep.	313	2,565	2,149	179	2,275
Oct.	322	2,775	2,256	225	2,116
Nov.	368	2,740	2,478	204	2,510
Dec.	338	2,586	2,492	166	2,281
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.	288	2,136	2,314	93	2,180
Feb.	265	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

* : Preliminary
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
2017					
Jan.	171	102	54	12	3
Feb.	203	133	64	2	4
Mar.	322	139	76	13	94
Apr.	263	100	72	2	89
May	218	150	61	3	4
Jun	258	108	61	12	77
July	320	143	76	1	100
Aug.	178	79	62	2	35
Sep.	179	101	40	1	37
Oct.	225	104	68	4	49
Nov.	204	95	49	1	59
Dec.	166	94	54	10	8
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.	n.y.a	n.y.a	66	n.y.a	n.y.a
Feb.	n.y.a	n.y.a	37	n.y.a	n.y.a
Mar.	n.y.a	n.y.a	68	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)

[illegible]

Source : World Bureau of Metal Statistics

WORLD REFINED TIN CONSUMPTION

	2015	2016	2017	2018	2019	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2020	2021	2021
EUROPE							Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb			
Austria	3,438	3,323	4,148	3,983	3,082	2,960	225	225	250	317	300	286	300	100	75	100	235	235	371	350			
Belgium	2,400	2,400	697	720	720	720	60	60	60	60	60	60	60	60	60	60	60	60	60	60			
Bulgaria	144	101	1	117	210	240	25	25	25	25	25	25	25	25	25	25	20	20	24	20			
Czech Re- public	460	515	532	603	605	335	29	43	44	10	7	41	40	60	16	16	25	25	48	39			
Denmark	8	3	17	7	1	10	1	1	1	0	1	1	1	1	1	1	0	0	1	1			
Finland	211	86	51	77	94	72	3	3	6	5	5	7	7	5	1	10	3	3	8	7			
France	4,382	4,736	5,456	6,080	5,020	4,982	534	610	608	467	625	465	512	337	379	312	148	148	218	380			
Germany	17,931	18,242	20,284	20,236	18,441	14,898	1,521	1,400	1,400	1,488	1,143	997	997	1,173	1,000	1,100	1,083	1,000	1,150	1,000			
Greece	655	632	600	646	634	637	51	50	53	61	51	58	58	52	52	52	51	51	50	58			
Hungary	163	145	1,177	2,050	2,036	1,714	190	190	150	150	150	100	100	100	75	70	100	100	185	150			
Ireland	7	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Italy	3,017	3,495	3,974	4,678	4,324	3,402	336	300	100	220	190	400	400	300	300	200	200	200	265	250			
Netherlands	6,000	6,000	6,000	6,000	6,000	5,400	500	500	500	500	500	500	500	500	500	500	450	450	450	450			
Norway	3	0	1	1	1	10	8	5	0	2	1	0	0	0	0	0	1	0	2	0			
Poland	2,647	3,669	3,537	3,723	3,335	1,580	598	360	360	572	400	500	500	624	75	75	90	90	90	90			
Portugal	408	554	856	891	831	463	44	57	109	56	127	100	100	29	10	10	90	90	88	157			
Romania	840	336	516	866	551	442	25	25	20	20	20	20	20	10	20	20	30	50	65	50			
Russia	1,262	995	1,339	495	1,914	1,443	122	136	136	190	190	160	105	85	85	130	170	84	145	78			
Slovakia	501	465	645	767	593	614	48	45	69	93	23	25	93	45	46	45	36	65	23	25			
Spain	1,864	1,495	1,605	1,652	1,563	1,898	205	140	120	245	120	60	60	90	150	150	150	150	127	150			
Sweden	5,682	6,492	5,457	6,020	5,835	5,343	530	500	350	487	500	386	250	400	350	482	388	388	591	327			
Switzerland	81	47	69	45	60	44	6	6	3	3	3	3	3	3	3	3	10	10	7	5			
United Kingdom	962	979	936	961	262	102	15	12	8	12	9	6	7	7	6	9	10	12	1	2			
Yugoslavia	1,080	1,080	1,080	1,080	1,080	240	90	90	80	80	80	80	80	80	80	80	80	80	80	80			
Other Europe	720	720	720	720	720	530	60	60	50	40	40	40	40	40	40	40	40	40	40	40			
AFRICA																							
Egypt	155	107	119	225	174	139	13	10	10	0	0	12	12	5	10	5	8	8	5	5			
Morocco	16	21	15	22	20	22	3	3	0	3	0	4	4	1	2	0	2	2	0	3			
Nigeria	300	300	623	1,436	1,322	240	20	20	20	20	20	20	20	20	20	20	20	20	20	20			
South Africa	1,129	1,047	957	633	604	326	50	50	50	30	45	24	0	0	24	24	82	10	10	10			
Other Africa	720	720	720	720	720	530	60	60	50	40	40	40	40	40	40	40	40	40	40	40			
ASIA																							
China	175,842	191,415	183,391	174,183	177,891	216,152	8,926	11,175	12,672	14,716	16,382	14,851	15,220	12,330	18,773	20,084	19,332	22,804	21,231	18,656			
Hong Kong	1,800	1,800	1,800	3,300	3,600	480	70	39	69	40	40	40	40	40	40	40	40	40	40	24			
India	12,857	9,088	9,861	11,365	10,615	9,734	972	1,000	700	840	840	400	400	600	500	1,000	1,332	1,000	1,013	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	100	100	100			
Iran	1,129	987	1,058	1,573	2,221	2,261	120	120	100	225	200	200	200	200	200	200	180	180	180	180			
Japan	26,762	26,113	29,111	28,084	24,905	20,198	2,551	1,484	1,936	1,697	2,138	1,697	1,479	1,337	1,599	1,521	1,644	1,448	2,314	2,236			
Kazakhstan	423	490	431	405	350	287	20	2	52	52	50	18	18	54	52	55	0	0	0	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	130	130	130			
Pakistan	480	279	300	489	311	194	10	10	20	25	25	25	25	25	25	25	15	15	13	13			
Philippines	118	506	220	307	1,385	776	120	100	100	17	20	116	100	120	60	60	40	40	40	40			
Singapore	2,000	1,960	1,920	1,920	1,920	1,720	160	160	140	140	140	140	140	140	140	140	140	140	160	160			
South Korea	13,091	14,199	13,112	13,927	11,957	13,405	1,265	763	1,880	844	1,274	670	1,150	832	1,420	843	1,293	1,171	897	882			
Syria	120	120	120	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Taiwan	4,703	4,140	4,494	4,576	4,569	10,096	375	310	679	614	409	959	900	960	960	850	919	900	603	642			
Thailand	3,074	3,131	4,259	3,000	3,000	3,000	250	250	250	250	250	250	250	250	250	250	250	250	250	250			
Turkey	2,136	2,416	3,110	3,215	3,202	3,746	231	387	378	278	333	340	151	481	182	205	343	361	256	376			
United Arab Emirates	4,200	4,800	4,800	3,600	3,600	2,160	300	300	200	600	600	200	200	200	200	200	180	180	180	180			
Vietnam	6,000	6,000	6,000	4,200	3,600	4,639	300	300	300	300	300	400	400	400	400	400	400	400	433	381			
Other Asia	2,160	2,160	2,160	2,160	2,160	1,690	180	180	160	130	130	130	130	130	130	130	130	130	130	130			
AMERICA																							
Argentina	833	878	596	674	420	1,108	33	60	53	96	33	274	86	96	80	103	65	128	40	30			
Bolivia	480	480	480	480	480	480	40	40	40	40	40	40	40	40	40	40	40	40	40	40			
Brazil	4,606	17,258	10,009	9,357	9,398	3,333	936	844	829	847	1,037	471	500	181	181	100	109	108	147	192			
Canada	3,238	2,887	2,562	2,489	2,387	1,871	218	201	114	190	108	83	174	119	224	119	156	165	210	182			
Chile	152	111	82	95	111	133	15	5	0	3	20	10	16	11	17	19	1	16	5	5			
Colombia	243	300	280	271	248	237	30	30	6	7	0	23	20	30	15	10	29	20	16	15			
Mexico	3,615	4,160	4,197	4,906	4,779	4,406	433	400	200	306	300	456	450	450	450	250	362	400	400	400			
Peru	216	216	216	216	216	198	18	18	18	0	18	18	18	18	18	18	18	18	18	18			
U.S.A.	30,644	29,455	31,476	34,664	31,057	29,191	3,373	2,784	4,894	2,868	2,403	1,170	2,018	1,725	1,891	1,895	2,376	2,123	1,948	2,411			
Venezuela	90	59	19	16	12	10	1	1	1	1	1	0	0	0	0	0	1	1	1	1			
Other America	420	420	420	420	420	275	35	35	25	20	20	20	20	20	20	20	20	20	20	20			
OCEANIA																							
Australia	467	215	259	284	375	255	20	20	45	1	45	0	10	3	20	20	19	22	25	0			
New Zealand	19	7	49	46	41	30	5	0	0	0	0	5	1	0	0	0	18	1	5	0			
WORLD TOTAL	361,943	387,563	381,702	378,582	368,742	384,161	26,609	26,234	30,723	30,573	32,060	27,656	28,720	25,214	31,567	32,406	33,304	35,782	35,009	32,441			

Source : World Bureau of Metal Statistics