

# MALAYSIAN TIN BULLETIN

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## JUNE TIN MARKET REVIEW

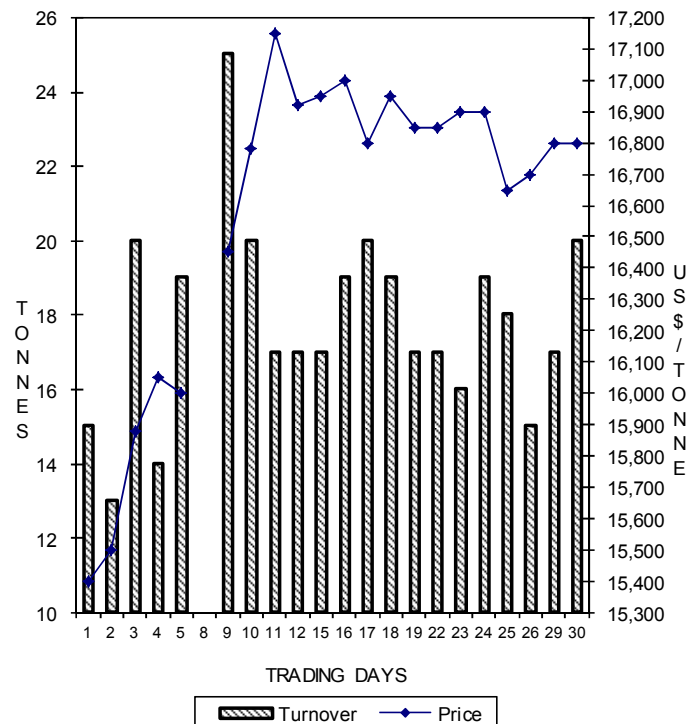
### Kuala Lumpur Tin Market (KLTM)

Tin trading on the KLTM during the month of June was very much in-line with tin trading on the London Metal Exchange (LME). During the first two trading weeks, tin was traded mostly on an upward momentum before being traded range bound, and followed by a more downward trending towards end of the trading month. The continuing uncertainty over the global economy, US/China trade tensions and the resurgence in the Covid-19 pandemic cases in many developed countries were factors that had impacted the easing trend.

The local physical tin market opened the first trading week at US\$15,400 per tonne, its lowest price level for the month. It was, however, higher by some US\$130 per tonne compared to the closing price of May. Thereafter, it strengthened towards end of the trading week before inching-down slightly at end of the week due to a technical correction. Total turnover for the week was 81 tonnes.

The market rebounded at the opening of the second trading week and strengthened further for two consecutive days to record the month's highest price level at US\$17,150 per tonne on 11<sup>th</sup> June, supported by strong demand. It softened slightly at end of the trading week due to another technical correction. Turnover for the week slid to 79 tonnes.

KLTM PRICES  
JUNE 2020



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The tin price was traded range bound during the third trading week as market sentiment was largely uncertain. Total volume of tin traded during the week, however, rose to 92 tonnes, the highest amongst the month's trading weeks.

The market opened the fourth trading week unchanged from the previous week's closing. It inched-up and stayed unchanged thereafter before easing. A technical correction, however, lifted the tin price slightly at the closing of the trading week. The total turnover for the week slid to 85 tonnes.

The tin price rose slightly at the opening of the final trading week and stayed unchanged subsequently to close the trading month of June at US\$16,800 per tonne. Total turnover for the week was 37 tonnes as trading was conducted for just two days.

There were 21 days of trading on the KLTM in June as the market was closed on 8<sup>th</sup> June in conjunction with the Agong's Birthday. The average tin price recorded for the month was US\$16,605 per tonne, higher than May's average of US\$15,110 per tonne. The month's average daily turnover was 18 tonnes, higher than May's average of 17 tonnes. The highest daily turnover recorded in June was 25 tonnes while the lowest was 13 tonnes ♦

## London Metal Exchange (LME)

Tin metal was traded on the LME in June on an upward momentum during the first two trading weeks before trading range bound but more on an easier trending towards end of the trading month. The metal was traded during the month within a price range of US\$15,842 to US\$17,285 per tonne for cash tin, and between US\$15,685 to US\$17,100 per tonne for 3-month tin. June's average LME cash and 3-month tin prices were US\$16,806 and US\$16,627 per tonne, respectively.

The tin price opened the first trading week at US\$15,842 per tonne for cash tin and US\$15,685 per tonne for 3-month tin, both being the lowest level for the month, respectively. It rose the subsequent two days before staying somewhat flat and continued the climb to close the trading week on a higher note.

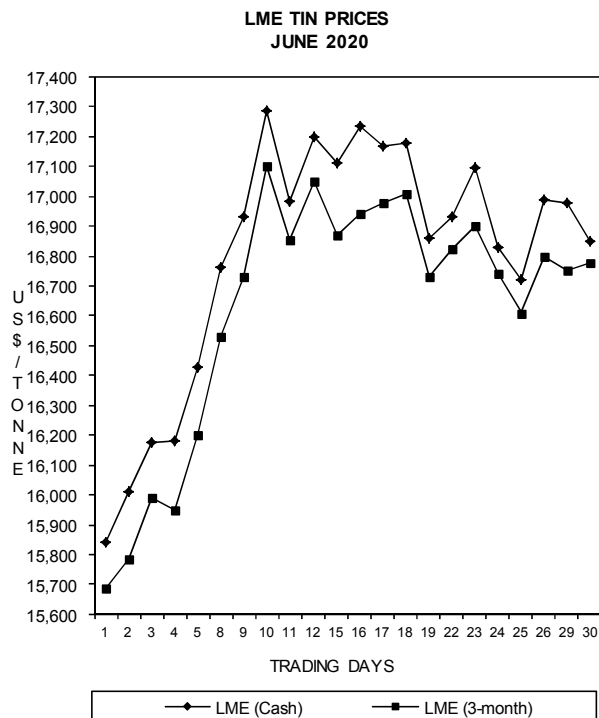
Strong demand continued to strengthen the tin price at the opening of the second trading week. It rose further towards middle of the trading week to record the highest price level for cash and 3-month tin at US\$17,285 and US\$17,100 per tonne on 10<sup>th</sup> June, respectively. Thereafter, the tin price was traded range bound as market sentiment remained largely uncertain, in-line with the movement of the other base-metals traded on the Exchange.

The tin price softened at the opening of the third trading week. Supported by strong demand, it rebounded thereafter towards end of the trading week before closing the week easier due to a technical correction.

## NEWS HIGHLIGHT

### Low Tin Prices Hit MSC Results in First Quarter

Malaysia Smelting Corp Bhd (MSC) said revenue fell by a third in the first quarter ended March 31 on weaker tin prices. "The uncertainty surrounding the duration and impact of the pandemic which is felt around the world, and countries imposing full/partial lockdowns has disrupted the tin industry's supply and demand chain which led to decline in tin prices and build-up in tin inventories," it said. "The remaining period of 2020 is expected to be challenging," the company said in a filing with Bursa Malaysia yesterday.



During the fourth trading week, the tin price was traded range bound but in a downward trend as traders were unsure of its next direction.

The market was traded somewhat flat during the final trading week to close the trading month of June at US\$16,847 and US\$16,777 per tonne for cash and 3-month tin, respectively.

(Source: *The Star*, 25 June 2020)

## NEWS ROUND UP

### New Cleanup System Developed Using Electro-Generated Tin

Researchers from Aqua Metrology Systems (AMS) have shown that their novel electro-generated tin water treatment system could be the technology needed to clean up hazardous metals from drinking water, cooling systems, industrial wastewaters and power station flue gases. This new technology is said to be economical, simple and scalable compared to existing systems.

Cleaning up metal contaminants safely and economically has become a crucial objective for quality of life in today's modern world with increasing focus on pollution reduction and availability of clean water. This is reinforced by growing regulation restricting levels of metals such as chromium VI, lead and mercury in drinking water and industrial effluents. Existing technologies are typically complex systems using large quantities of expensive absorbents that then need to be disposed of. The new approach is simple, scalable and capable of a broad range of deployments.

The AMS SafeGuard H2O system releases active 'stannous' tin ions into the water stream from a tin metal electrode using an electric charge. The ions react with, neutralise and adsorb contaminants leaving the only consumables as tin and electricity. Eventually the tin, along with its captured metals, sticks to downstream filter surfaces where it can continue to be active in an adsorbent form.

This system has already been demonstrated that it can effectively remove toxic chromium VI ions from drinking water in California, reducing levels far below those reached by more traditional technologies. The equipment is small, simple and can be up and running in a few hours. The generator is used with a media filter that builds up the tin adsorbent and reduces chromium VI content to less than 2 ppb. Dosing is controlled automatically and the tin oxide by-product can be reused.

The researchers have now published work expanding application scope for the new tin system to a wide variety of highly relevant metal contaminant issues.

Corrosion of lead drinking water pipes can be a serious issue where control systems failed and dangerous lead levels are released into the city water supply. Typically expensive water treatment chemicals are used but the new in-situ tin system may be more effective. Injecting the tin ions into the water utility service lines not only removes metals but also builds up a tin oxide layer on the inside of the pipes to prevent lead corrosion.

Similar mechanisms may inhibit corrosion and remove algae in the huge number of water storage and cooling systems used globally. In large-scale cooling systems such as power stations, metals such as copper, iron and nickel can also be removed from the cooling water before being discharged into the environment.

The research team have designed systems to remove arsenic from wells used for drinking water across the world, demonstrating up to 95 per cent efficient removal in the lab. A recent study shown that 220 million people globally may be at risk of arsenic-contaminated water.

The technology could also be applied to the pressing issue of arsenic, selenium and mercury emissions from coal-fired power stations. Flue Gas Desulphurisation (FGD) systems scrub the plant emissions to remove sulphur dioxide. The tin system has a unique chemistry that may react with sulphur gases to recover sulphur for reuse. Hazardous metals from the coal end up in the wastewater from the FGD plant and can also be removed by tin. Latest lab results from ASM show high efficiency removal of arsenic, selenium, lead and up to 99.9 per cent mercury. Mercury emissions are particularly topical.

## Renison Bell's New Optimisation Study and Life-of-Mine Plan Show Positive Results

Metals X, which owns 50 per cent of the Renison Bell mine in Tasmania, Australia, has announced the results of a new mining optimisation study and life-of-mine (LOM) plan.

The new LOM plan indicates that Renison could produce over 10,000 tonnes of tin-in-concentrate annually from mid 2025 onwards. This is a substantial increase from its current annual production levels of some 7,000 tonnes per year due to additional output from the Area 5 section of the mine. The study also indicates that All-in Sustaining Costs (AISC) will average around AU\$17,750 to 18,750 over the 10-year mine life.

These findings rely somewhat on the ongoing Metallurgical Improvement Study. This work aims to increase recoveries in the Renison processing plant from around 74 per cent to some 77 per cent. The study aims to increase mill throughput rate as well as recoveries. Work to optimise the ore sorting circuit and processing plant will start this year.

However, even without increased throughput and recovery, production at Renison is expected to increase. Tin grades are forecast to increase from 1.2 per cent Sn currently to an average of 1.45 per cent from 2024 due primarily to better grades in Area 5 which is more than 0.5 per cent higher than the rest of the mine.

Following the completion of the Area 5 Mining Optimisation Study, the new section of the mine has been incorporated into Renison's overall Mineral Resource Estimate (MRE). The MRE also includes estimates for the Rentails project, but no longer includes Mt Bischoff. The former open pit mine was put on care and maintenance in 2010 but a decision was made last year to rehabilitate it.

Compared to the company's last release, the grade at Renison has improved from 1.54 per cent Sn to 1.57 per cent Sn. As such, contained tin has risen by some 6,500 tonnes to 291,600 tonnes.

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

# TIN STATISTICS

## KLTM & LME TIN PRICES

Period	KLTM				LME		
	Average Price * (US\$/Tonne)	Exchange Rates	Average Daily Turnover (Tonnes)	Total Turnover (Tonnes)	Cash (US\$/Tonne)	3-Month (US\$/Tonne)	
2010	20,061		62	15,599	20,406	20,430	
2011	26,235		47	11,387	26,113	26,128	
2012	21,193		42	10,206	21,114	21,125	
2013	22,322		39	9,530	22,316	22,328	
2014	21,737		44	10,822	21,916	21,909	
2015	16,015		52	12,679	16,084	16,046	
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	
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	
2020 Jun.	1	15,400	4.3213	66,548	15	15,842	15,685
	2	15,500	4.2973	66,608	13	16,010	15,785
	3	15,880	4.2665	67,752	20	16,177	15,991
	4	16,050	4.2740	68,598	14	16,180	15,950
	5	16,000	4.2730	68,368	19	16,425	16,200
	8		CLOSED			16,760	16,530
	9	16,450	4.2635	70,135	25	16,930	16,730
	10	16,780	4.2710	71,667	20	17,285	17,100
	11	17,150	4.2465	72,827	17	16,985	16,855
	12	16,920	4.2770	72,367	17	17,200	17,050
	15	16,950	4.2770	72,495	17	17,110	16,870
	16	17,000	4.2647	72,500	19	17,235	16,940
	17	16,800	4.2820	71,938	20	17,170	16,980
	18	16,950	4.2830	72,597	19	17,180	17,010
	19	16,850	4.2855	72,211	17	16,858	16,730
	22	16,850	4.2761	72,052	17	16,930	16,822
	23	16,900	4.2792	72,318	16	17,095	16,900
	24	16,900	4.2775	72,290	19	16,829	16,739
	25	16,650	4.2830	71,312	18	16,720	16,610
	26	16,700	4.2810	71,493	15	16,990	16,799
	29	16,800	4.2885	72,047	17	16,980	16,751
	30	16,800	4.2838	71,968	20	16,847	16,777

Sources : The Kuala Lumpur Tin Market  
Metal Bulletin

Note : As from 1 February 2001, KLTM price is quoted in U.S. Dollar  
As from July 2018 onwards, we will no longer publish the New York Spot Tin prices since the Metal Bulletin, which has been our primary source of the New York Spot Tin prices has now stopped publishing them.  
\* KLTM's monthly average price is arrived at on a weighted average against total tonnage basis.  
N.A : Not Available

## WORLD REFINED TIN STOCKS (Tonnes)

Period	LME Stock	COUNTRY STOCKS							Total Country Stocks	Total Commercial Stocks	US Strategic Stockpile
		Germany	U.K	Indonesia	Japan	Malaysia*	Brazil*	U.S.A			
2010	16,375	2,129	955	3,234	1,139	1,300	3,600	7,090	19,447	35,822	4,020
2011	12,095	2,129	955	3,265	1,278	1,300	3,600	6,800	19,327	31,422	4,020
2012	12,800	2,129	955	4,163	1,380	1,300	3,600	7,420	20,947	33,747	4,020
2013	9,660	2,129	955	1,192*	1,456	1,300	3,600	6,680	17,312	26,972	4,020
2014	12,135	2,129	955	6,266	1,324	888*	3,600	6,970	22,132	34,267	4,020
2015	6,140	2,129	955	5,838	1,349	730*	3,600	7,520	9,956	14,439	4,020
2016	3,800	2,129	955	3,976*	1,400	356*	3,600*	6,220	18,600	24,800	4,020
2017	2,235	2,130	955	3,870	1,360	600*	3,600*	6,730	19,245	26,395	4,020
2018	2,165	2,130	955	2587*	1,469	439*	3600*	5,610	16,790	27,226	4,020
2019	7,110	2,130	955	8600*	2,022	400*	3600*	5,510	23,217	35,678	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.	7,110	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*	1,761	268*	3600*	4,780	22,094	28,040	4,020
Jun.	3,530	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 : Metal Bulletin  
World Bureau of Metal Statistics

**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**	3,597	12	1,387	-	-	-	-	-	-	3,090	12	1,201	-	-	-	244	-	-	263	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

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*	3,596	25,644	24,387	1,441	24,418
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	n.y.a	n.y.a	n.y.a	n.y.a
Feb.	265	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.



### DOMESTIC TIN CONSUMPTIONS (In Tonnes)

PERIOD	TOTAL CONSUMPTION	SOLDER *	TINPLATE	PEWTER	OTHERS *
2010	2,942	1,981	683	169	109
2011	2,341	1,458	665	108	110
2012	2,083	1,333	573	104	73
2013	1,835	1,078	561	100	96
2014	1,581	922	520	82	57
2015	1,900	1,133	608	77	82
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
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.	n.y.a	n.y.a	48	n.y.a	n.y.a
Feb.	n.y.a	n.y.a	52	n.y.a	n.y.a
Mar.	n.y.a	n.y.a	45	n.y.a	n.y.a
Apr.	n.y.a	n.y.a	53	n.y.a	n.y.a
May.	n.y.a	n.y.a	44	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

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 for which actual consumption data are available.

**WORLD MINE PRODUCTION**  
(In Tonnes)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2020	2020	2020	2020
										Jan	Feb	Mar	Apr	May
<b>EUROPE</b>														
Portugal	45	24	24	84	96	48	56	60	108	9	9	9	9	9
Russia	612	600	600	240	240	1,140	702	1,200	2,264	200	200	200	200	200
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>AFRICA</b>														
Democ.Rep. Congo	4,800	2,462	5,220	4,116	2,977	4,128	7,145	9,000	6,250	500	500	500	400	400
Nigeria	1,800	2,400	2,590	2,425	2,100	3,827	5,964	8,784	7,020	345	345	300	340	340
Rwanda	4,167	3,493	3,600	4,245	2,017	2,621	3,508	2,400	2,223	155	91	133	50	50
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	87	12	-	-	-	-	-	-	-	-	-	-
<b>ASIA</b>														
China	127,400	115,900	148,981	177,300	146,600	153,100	163,000	157,500	142,900	7,500	7,500	7,500	11,300	11,300
Indonesia	78,000	78,000	84,000	69,600	68,400	60,000	60,000	84,000	86,400	7,200	7,200	7,200	6,000	6,000
Kazakhstan	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Laos	1,200	766	745	840	815	1,308	779	566	1,156	190	172	120	50	50
Malaysia	3,346	3,639	3,685	3,600	3,731	4,123	3,967	3,999	4,080	340	340	340	340	340
Mongolia	24	24	44	72	240	36	50	60	110	10	10	10	10	10
Myanmar	534	658	8,943	17,475	2,400	47,435	58,883	45,900	33,750	2,300	2,300	2,700	1,600	1,600
Thailand	252	199	119	131	45	124	705	720	720	60	60	60	60	60
Vietnam	5,400	5,400	5,400	5,400	3,600	5,520	4,560	4,560	5,520	460	460	450	450	450
<b>AMERICA</b>														
Bolivia	20,373	19,701	16,976	19,548	20,135	17,614	17,973	17,259	17,194	1,500	1,500	1,500	1,000	1,000
Brazil	8,200	10,800	13,800	13,800	13,800	25,500	18,000	18,000	18,000	1,500	1,500	1,500	1,500	1,500
Peru	29,022	26,097	23,661	12,105	19,511	18,789	17,790	18,601	19,683	1,600	1,600	1,000	0	1,218
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>OCEANIA</b>														
Australia	15,400	6,014	5,888	7,042	7,056	6,635	7,217	6,871	7,738	500	500	580	604	604
<b>WORLD TOTAL</b>	<b>300,575</b>	<b>276,183</b>	<b>324,363</b>	<b>349,035</b>	<b>315,363</b>	<b>351,948</b>	<b>370,299</b>	<b>379,482</b>	<b>355,116</b>	<b>24,369</b>	<b>24,287</b>	<b>24,102</b>	<b>23,913</b>	<b>25,131</b>

Source : World Bureau of Metal Statistics

