



JULY TIN MARKET REVIEW

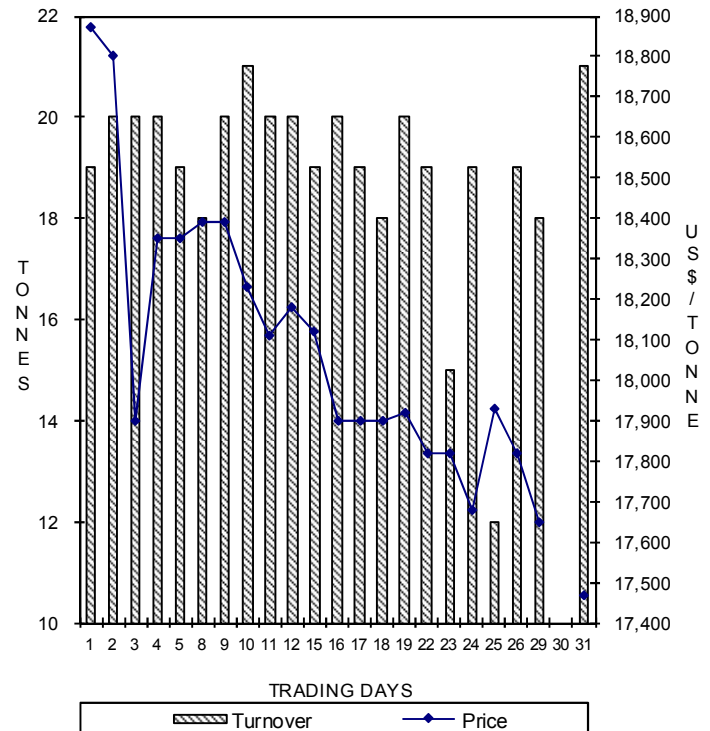
Kuala Lumpur Tin Market (KLTM)

Tin trading on the Kuala Lumpur Tin Market (KLTM) in July was bearish, in tandem with tin trading on the London Metal Exchange (LME). Tin prices declined during most part of the month, falling below the US\$18,000 per tonne psychological level for the first time in three years. The decline was much influenced by the US/China ongoing tariff war, poor macro-economic data, trade disputes and large exchange stocks. Tin prices were traded within the US\$17,470 and US\$18,870 per tonne range during the month.

The KLTM opened the first trading day of July at US\$18,870 per tonne, unchanged from the closing price of June, and was the highest price level traded for the month. Thereafter, the tin price declined towards mid-week due to weak demand before rebounding and stayed unchanged at end of the trading week.

The local physical tin market was traded mostly on a downward momentum during the second trading week, and was in-line with the LME's tin trading movement.

KLTM PRICES
JULY 2019



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Weak buying demand, particularly from China, the world's top tin consumer, pushed down the tin price further during the early days of the third trading week. Thereafter, it stayed somewhat flat towards end of the trading week as traders were unsure of its next direction.

The tin price softened during middle of the fourth trading week, before rebounding the following day as the positive market sentiment on the LME impacted the local market. The rebound, however, was short lived as the tin price slid to end the trading week lower.

The decline continued throughout the short final trading week to finally close the trading month of July at US\$17,470 per tonne, which was also the month's lowest price level.

The average daily turnover for the trading month of July was 19 tonnes, the same as June's average. The highest daily turnover recorded for the month was 21 tonnes and the lowest was 12 tonnes. The month's average price declined by 5 per cent to US\$18,074 per tonne, compared to June's average of US\$19,065 per tonne. ♦

London Metal Exchange (LME)

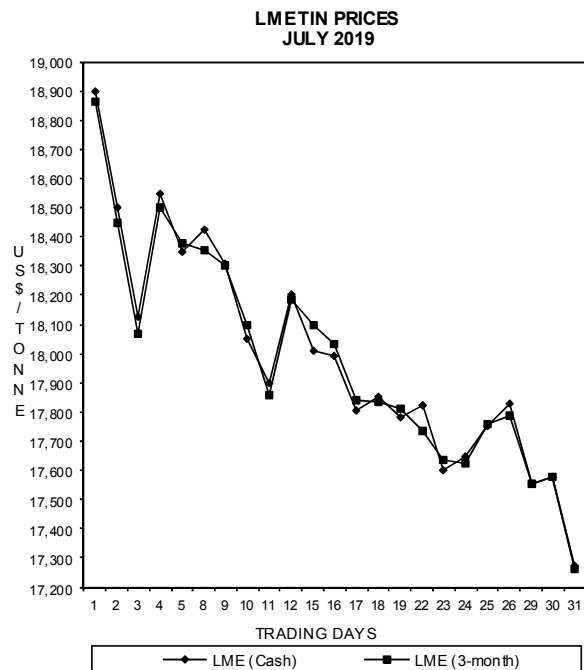
Again, the movement in the trading of other base metals dictated tin trading on the LME during the month of July. Overall, tin prices on the LME in July were weaker from that recorded in June and ended the trading month lower compared to the opening level.

The opening prices for cash and three-month tin for the month were US\$18,900 and US\$18,860 per tonne, which were their respective highest price level for the month. Thereafter, they declined towards mid-week before rebounding and slid further to end the first trading week lower due to weak demand.

Tin prices continued to soften during the second trading week as demand declined further, before a technical correction pushed them up to end the week higher.

Sellers dominated the third trading week as tin prices declined throughout the week.

The weak momentum continued during the early days of the fourth trading week. The decline, however, was short lived as tin prices rebounded towards end of the week as demand picked-up.



Tin prices weakened further during the short final trading week to close at the month's lowest level for cash and three-month tin at US\$17,275 and US\$17,260 per tonne, respectively. The July average LME cash price was US\$17,991 per tonne while the average three-month tin price was US\$17,983 per tonne.

NEWS ROUND UP

Chinese Tin Ore Imports Continued Declining

According to China's Customs Department, the country's tin concentrate imports continued to decline in May relative to last year as mine production in Myanmar further slipped. China's refined tin exports also fell in May due to shrinking arbitrage between the Shanghai and London-based metals exchanges.

The country imported some 14,248 tonnes of tin ore and concentrate in gross weight in May 2019, with the total tin metal content estimated at 4,100

tonnes. Although the tin metal content was higher by 17 per cent, month-on-month, it was still 18 per cent lower than last year. About 93 per cent or 3,800 tonnes of the total tin metal imported originated from Myanmar. It was higher by 15 per cent, month-on-month, but lower by 24 per cent, year-on-year. So far this year, China had imported an estimated 20,200 tonnes of tin-in-concentrate, with 18,200 tonnes coming from Myanmar. This was a decline of 27 per cent and 33 per cent, year-on-year, respectively. Due to the declining concentrate supplies,

China's refined tin production in May fell by 1.3 per cent, month-on-month, to 13,734 tonnes with some smelters choosing to switch to secondary feed stocks. However, reports of declining stockpiles of waste materials, combined with smelter overcapacity, meant that this market was also tight.

During the January to May period, China exported 4,587 tonnes of refined tin, higher by 79 per cent,

year-on-year. Customs data also indicated that China exported just 457 tonnes of refined tin in May, down by 61 per cent from 1,169 tonnes in April, and lower by 19 per cent compared to the same period last year. Imports of refined tin also declined by 27 per cent, year-on-year, to only 700 tonnes during the January-May period.

Razorback Mine to Help Advance Stellar's Flagship Heemskirk Project

Stellar Resources Ltd, an Australian tin exploration and development company, has announced a maiden exploration target at its historical Razorback mine in Zeehan, Tasmania. The mine is expected to be the potential stepping stone to help advance the company's flagship project, Heemskirk.

Razorback operated as an open pit mine between 1975 and 1978, producing 153 tonnes of tin-in-concentrate during the period. Stellar estimates that between 180,000 and 220,000 tonnes of ore still remain some 100 metres below the pit floor, with an ore grade of between 0.8 to 1.0 per cent Sn, giving around 1,400 to 2,200 tonnes of tin-in-concentrate. This estimate is based on historical drilling works that only extend 150 metres below the historical workings. From exploration work conducted in 1979, the company has identified possible extensions to the orebody, which would significantly increase the size of the exploration target. In addition to the potential mining work, Razorback also has tailings stockpiles which could be reprocessed. These tailings have a grade of around 0.25 per cent Sn, which

could be upgraded to 43 per cent Sn through simple gravity concentration. Although the company is focusing more on the redevelopment of the open pit workings, tailings reprocessing is another option to help increase its cash flow.

The work is being completed in order to progress the Heemskirk project, which is the company's primary focus. A recent resource upgrade indicates that some 71,000 tonnes of tin could be contained in the Heemskirk ore, much larger than the estimated Razorback exploration target. While a Fast Start option has been identified at Heemskirk, Stellar still needs the Razorback cash flow to start development. According to the company's spokesman, Razorback could potentially be "incorporated into the overall Heemskirk project", thus eliminating the need for separate processing plants and reducing the required investment. Processing of the ore would be done at a central modular processing plant, which could be expanded once the Heemskirk project grows.

Taronga to Start Mining

Aus Tin Mining, an Australian-based tin exploration and mining company, has announced that Stage 1 of its Taronga project, located in New South Wales, Australia will start soon. The company has appointed Townes Contracting to undertake the initial mining, crushing and civil works associated with the first stage.

A Joint Ore Reserves Committee (JORC) compliant Pre-Feasibility Study for Taronga had been completed in 2014. It indicated an ore reserve of some 22 million tonnes at a grade of 0.16 per cent Sn for 35,600 tonnes of contained tin. Some 2,800 tonnes of tin are expected to be extracted annually for a 9-year mine life. The mining process is expected to start with the announced 3-month contract, with the removal of some 50,000 tonnes of ore and waste.

The contract also includes site establishment, ore crushing and the construction of an 8ML water dam. It will then enable Aus Tin to assess the productivity and costs of the contractor in order to optimise pricing for the rest of the Stage 1 Project.

The initial mining programme will allow Aus Tin to reconcile the true ore grade with the provisional grade estimated in the 2014 Probable Ore Reserve, and to conduct further metallurgical tests before the Stage 1 pilot plant starts operating. Even though the Stage 1 Project is expected to give the opportunity to evaluate any potential processing upside, the initial work could provide early results that could push the Taronga project to the next phase of feasibility work.

Kasbah Announced New Drilling Campaign at Achmmach

Kasbah Resources Limited, an Australian mineral exploration company, has announced that a new drilling campaign at its Achmmach tin project to test the continuity of mineralisation and potential increase of the project's resource.

Presently, the Achmmach resource is some 14.9 million tonnes of ore, with a tin grade of 0.85 per cent. Although the tin content is fairly good at some 127,300 tonnes, Kasbah plans to increase it by testing the Sidi Addi Trend, located parallel to the strike of the main Meknes Trend. Whilst the Meknes

Trend currently holds 98 per cent of the ore in the resource, the two per cent in the Sidi Addi Trend is felt to be of higher grade of 1.25 per cent.

The proposed drilling programme is expected to take two to three months, and will comprise 10 diamond drill holes, producing over 2,000m of drill core. Should the initial programme proves successful in indicating continuing tin mineralisation along the Sidi Addi Trend, Kasbah plans to define a mineral resource with further drilling.

(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)
2001	4,338		88	21,497	4,483	4,521
2002	4,048		69	17,174	4,061	4,095
2003	4,954		50	12,434	4,895	4,906
2004	8,616		78	19,323	8,513	8,367
2005	7,410		79	19,427	7,382	7,350
2006	8,746		57	13,905	8,781	8,774
2007	14,477		60	14,757	14,541	14,533
2008	19,182		74	18,077	18,510	18,461
2009	13,556		68	16,905	13,574	13,375
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
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
2019						
Jul.						
1	18,870	4.1322	77,975	19	18,900	18,860
2	18,800	4.1412	77,855	20	18,500	18,450
3	17,900	4.1412	74,127	20	18,125	18,070
4	18,350	4.1350	75,877	20	18,550	18,500
5	18,350	4.1346	75,870	19	18,350	18,375
8	18,390	4.1438	76,204	18	18,425	18,355
9	18,390	4.1425	76,181	20	18,305	18,300
10	18,230	4.1390	75,454	21	18,050	18,100
11	18,110	4.1250	74,704	20	17,900	17,860
12	18,180	4.1092	74,705	20	18,200	18,185
15	18,120	4.1085	74,446	19	18,010	18,100
16	17,900	4.1095	73,560	20	17,990	18,035
17	17,900	4.1156	73,669	19	17,805	17,840
18	17,900	4.1124	73,612	18	17,850	17,835
19	17,920	4.1094	73,640	20	17,780	17,810
22	17,820	4.1130	73,294	19	17,820	17,735
23	17,820	4.1188	73,397	15	17,600	17,635
24	17,680	4.1212	72,863	19	17,650	17,625
25	17,930	4.1185	73,845	12	17,755	17,760
26	17,820	4.1195	73,409	19	17,830	17,785
29	17,650	4.1207	72,730	18	17,555	17,555
30		CLOSED			17,575	17,575
31	17,470	4.1287	72,128	21	17,275	17,260

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.

WORLD REFINED TIN STOCKS (Tonnes)

Period	LME Stock	COUNTRY STOCKS							Total	Total	US Strategic Stockpile
		Germany	U.K	Indonesia	Japan	Malaysia*	Brazil*	U.S.A	Country Stocks	Commercial Stocks	
2001	30,550	1,006	995	4,251	2,875	1,300	3,600	7,700	21,727	52,277	59,993
2002	25,610	1,723	995	6,660	1,581	1,300	3,600	7,280	23,139	48,749	51,557
2003	14,475	2,129	995	6,660	2,354	1,300	3,600	6,520	23,558	38,033	41,678
2004	8,140	2,129	995	3,791	1,871	1,300	3,600	6,140	19,826	27,966	32,464
2005	16,725	2,129	955	5,302	2,920	1,300	3,600	5,400	21,606	38,311	24,719
2006	12,970	2,129	955	5,199	1,679	1,300	3,600	5,700	20,562	33,532	15,436
2007	12,150	2,129	955	5,199	1,569	1,300	3,600	6,030	20,439	32,565	7,400
2008	7,765	2,129	955	8,634	1,560	1,300	3,600	6,140	24,318	32,000	3,850
2009	26,755	2,129	955	4,149	1,103	1,300	3,600	7,570	20,806	47,561	3,956
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
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*	4,850	22,402	30,721	4,020
May.	2,810	2,130	955	8600*	1,849	439*	3600*	4,850	22,423	33,436	4,020
Jun.	6,045	2,130	955	8600*	2,520	209*	3600*	4,850	22,864	37,301	4,020
Jul.	4,640	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.
2001	4,972	33	1,461	314	1	131	2,084	16	467	1,485	15	435	18	1	9	511	-	-	560	30	419
2002	4,215	24	1,311	40	1	128	1,425	9	287	1,476	14	414	7	-	-	596	-	-	672	30	482
2003	3,358	26	1,215	70	2	28	1,124	9	235	1,419	15	458	-	-	-	513	-	-	232	28	494
2004	2,743	22	1,262	86	1	14	692	10	221	1,110	12	542	-	-	-	520	-	-	335	25	499
2005	2,857	12	906	-	-	-	693	7	120	1,292	5	273	-	-	-	587	-	-	285	24	513
2006	2,398	14	998	6	1	20	551	7	120	1,042	6	359	-	-	-	468	-	-	331	23	499
2007	2,263	12	861	45	1	8	288	5	109	1,372	6	409	-	-	-	381	-	-	177	21	335
2008	2,602	12	882	14	1	8	181	2	60	1,820	8	434	26	1	17	408	-	-	153	24	363
2009	2,410	9	1,051	66	1	33	80	1	26	1,881	7	671	-	-	-	260	-	-	125	22	321
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**	3,836	12	1,295	-	-	-	-	-	-	3,171	12	1,075	-	-	-	410	-	-	255	11	220
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	292	15	982	-	-	-	-	-	-	247.3	15	977	-	-	-	44.3	-	-	-	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	-	-	31.2	10	213
Sep.	280	14	1,308	-	-	-	-	-	-	244.8	14	1,085	-	-	-	30.7	-	-	4.7	10	223
Oct.	319	12	1,280	-	-	-	-	-	-	271.2	12	1,059	-	-	-	31.5	-	-	16.3	10	221
Nov.	311	12	1,309	-	-	-	-	-	-	249.5	12	1,085	-	-	-	31.6	-	-	30.0	10	224
Dec.	305	12	1,295	-	-	-	-	-	-	263.9	12	1,075	-	-	-	24.6	-	-	17.0	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

Source : Department of Mineral and Geoscience Malaysia

Note : * Aggregate number of mines does not include Retreatment units

** Preliminary

**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
2001	4,972	24,102	30,417	4,047	27,271
2002	4,214	22,904	30,887	3,896	27,075
2003	3,358	7,661	18,250	4,081	15,164
2004	2,742	26,901	33,914	4,652	29,820
2005	2,857	31,087	37,782	4,133	32,304
2006	2,398	15,979	22,850	4,904	19,267
2007	2,263	21,341	25,563	3,564	15,738
2008	2,602	24,350	31,690	3,521	21,813
2009	2,412	22,901	35,443	2,944	18,014
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*	3,835	27,450	27,115	1,964	27,342
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.	292	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.	311	1,844	2,563	102	2,746
Dec.	305	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.	n.y.a	2,090	2,145	125	2,097
May.	n.y.a	1,842	1,836	145	1,891
Jun.	n.y.a	2,376	1,536	n.y.a	1,630

* : 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 *
2001	4,045	1,916	518	654	958
2002	3,896	2,108	557	593	637
2003	4,080	2,194	636	537	713
2004	4,656	2,864	784	399	609
2005	4,133	2,692	679	264	498
2006	4,904	2,054	613	210	2,027
2007	3,564	2,513	680	219	152
2008	3,521	2,511	685	147	178
2009	2,944	1,537	681	100	626
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
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.	n.y.a	n.y.a	47	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	2019	2019	2019	2019	2019
									Jan	Feb	Mar	Apr	May	June
EUROPE														
Portugal	45	24	24	84	96	48	56	60	5	5	5	5	9	9
Russia	612	600	600	240	240	1,140	702	1,200	100	100	100	100	100	100
United Kingdom	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AFRICA														
Democ.Rep. Congo	4,800	2,462	5,220	4,116	2,977	4,128	7,145	9,000	800	800	800	800	800	800
Nigeria	1,800	2,400	2,590	2,425	2,100	3,827	5,964	8,784	300	300	540	540	540	540
Rwanda	4,167	3,493	3,600	4,245	2,017	2,621	3,508	2,400	200	200	250	300	300	300
South Africa	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zimbabwe	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	87	12	-	-	-	-	-	-	-	-	-	-
ASIA														
China	127,400	115,900	148,981	177,300	146,600	153,100	163,000	157,500	11,500	13,900	14,300	13,300	13,700	13,700
Indonesia	78,000	78,000	84,000	69,600	68,400	60,000	60,000	84,000	7,000	7,000	7,200	7,200	7,200	7,200
Kazakhstan	-	-	-	-	-	-	-	2	-	-	-	-	-	-
Laos	1,200	766	745	840	815	1,308	779	566	328	199	235	235	235	235
Malaysia	3,346	3,639	3,685	3,600	3,731	4,123	3,967	3,999	340	340	340	340	340	340
Mongolia	24	24	44	72	240	36	50	60	5	5	10	10	10	10
Myanmar	534	658	8,943	17,475	2,400	47,435	58,883	45,900	5,900	627	2,420	2,264	2,700	2,300
Thailand	252	199	119	131	45	124	705	720	60	60	60	60	60	60
Vietnam	5,400	5,400	5,400	5,400	3,600	5,520	4,560	4,560	380	380	300	300	300	300
AMERICA														
Bolivia	20,373	19,701	16,976	19,548	20,135	17,614	17,973	17,259	1,450	1,450	1,500	1,500	1,500	1,500
Brazil	8,200	10,800	13,800	13,800	13,800	25,500	18,000	18,000	1,500	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	1,582	1,622	1,841	1,607	1,762	1,800
U.S.A.	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OCEANIA														
Australia	15,400	6,014	5,888	7,042	7,056	6,635	7,217	6,871	600	600	687	700	550	549
WORLD TOTAL	300,575	276,183	324,363	349,035	315,363	351,948	370,299	379,482	32,050	29,088	32,088	30,761	31,606	31,243

Source : World Bureau of Metal Statistics

WORLD REFINED TIN CONSUMPTION (In Tonnes)

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2019	2019	2019	2019	2019
									Jan	Feb	Mar	Apr	May	June
EUROPE														
Austria	3,200	2,978	3,184	3,715	3,438	3,323	4,148	3,983	368	350	274	300	300	300
Belgium	6,584	5,231	5,400	2,400	2,400	2,400	697	720	60	60	60	60	60	60
Bulgaria	520	500	501	360	144	101	1	117	20	20	50	50	20	15
Czech Republic	470	474	379	300	460	515	532	603	55	55	51	50	64	104
Denmark	108	13	24	11	8	3	17	7	1	1	1	1	2	2
Finland	131	121	72	244	211	86	51	77	8	8	7	7	9	8
France	4,839	4,323	4,616	5,203	4,382	4,736	5,456	6,080	540	500	441	287	566	321
Germany	19,788	17,592	17,896	18,835	17,931	18,242	20,284	20,236	1,421	1,400	1,941	1,900	1,667	1,600
Greece	1,350	630	616	676	655	632	600	646	51	50	50	50	50	50
Hungary	106	105	111	109	163	145	1,177	2,050	150	150	160	160	176	160
Ireland	48	7	3	3	7	4	0	2	0	0	0	0	0	0
Italy	4,807	6,111	3,096	3,760	3,017	3,495	3,974	4,678	380	380	498	375	559	600
Netherlands	4,867	4,500	7,399	7,200	6,000	6,000	6,000	6,000	500	500	500	500	500	500
Norway	5	9	5	3	3	0	1	1	0	0	0	0	0	0
Poland	1,582	2,085	1,908	2,520	2,647	3,669	3,537	3,723	350	350	260	260	263	260
Portugal	529	435	356	482	408	554	856	891	148	148	51	50	144	99
Romania	1,140	960	3,200	960	840	336	516	866	30	30	70	70	20	50
Russia	2,960	3,039	3,196	1,516	1,262	995	1,339	495	69	6	58	62	51	92
Slovakia	400	240	202	404	501	465	645	767	29	29	73	70	48	41
Spain	2,032	1,303	1,913	1,470	1,864	1,495	1,605	1,652	130	130	60	60	206	100
Sweden	5,742	2,910	4,385	6,435	5,682	6,492	5,457	6,020	603	600	208	200	968	900
Switzerland	200	55	861	66	81	47	69	45	1	1	6	6	3	4
United Kingdom	703	780	821	794	962	979	936	961	78	80	50	55	8	7
Yugoslavia	2,390	1,320	1,140	1,080	1,080	1,080	1,080	1,080	90	90	90	90	90	90
Other Europe	900	720	720	720	720	720	720	720	60	60	60	60	60	60
AFRICA														
Egypt	400	110	104	0	155	107	119	225	10	10	20	20	13	20
Morocco	84	84	29	14	16	21	15	22	5	5	5	5	2	1
Nigeria	300	300	300	300	300	300	623	1,436	200	200	126	100	100	100
South Africa	1,464	1,200	1,152	1,243	1,129	1,047	957	633	65	48	50	44	49	59
Other Africa	900	720	720	720	720	720	720	720	60	60	60	60	60	60
ASIA														
China	180,812	176,404	168,194	192,610	175,842	191,415	183,391	174,183	13,279	13,936	14,436	14,043	14,028	17,562
Hong Kong	1,800	1,800	1,800	1,800	1,800	1,800	1,800	3,300	300	300	300	300	300	300
India	9,738	9,985	9,941	11,870	12,857	9,088	9,861	11,365	690	600	953	950	959	900
Indonesia	1,200	1,200	600	1,200	1,200	1,200	1,200	1,200	100	100	100	100	100	100
Iran	2,400	1,200	797	737	1,129	987	1,058	1,573	132	275	189	225	230	230
Japan	26,936	27,657	28,272	27,090	26,762	26,113	29,111	28,084	2,671	2,282	2,412	1,988	2,382	2,429
Kazakhstan	1,044	606	602	431	423	490	431	405	0	0	20	10	40	60
Malaysia	4,440	4,440	3,900	3,900	1,560	1,560	1,560	1,560	130	130	130	130	130	130
Pakistan	480	360	528	618	480	279	300	489	70	70	60	60	60	60
Philippines	217	122	143	225	118	506	220	307	76	70	72	60	102	100
Singapore	2,000	2,000	2,000	1,998	2,000	1,960	1,920	1,920	160	160	160	160	160	160
South Korea	14,404	16,238	14,533	13,772	13,091	14,199	13,112	13,927	1,076	940	922	1,107	670	1,185
Syria	180	120	0	120	120	120	120	120	10	10	10	10	0	0
Taiwan	8,093	7,071	5,883	4,583	4,703	4,140	4,494	4,576	380	400	518	300	620	407
Thailand	3,540	3,538	4,500	3,952	3,074	3,131	4,259	3,000	250	250	250	250	250	250
Turkey	2,422	2,135	2,337	2,259	2,136	2,416	3,110	3,215	141	142	146	443	282	297
United Arab Emirates	3,000	2,400	2,400	2,400	4,200	4,800	4,800	3,600	300	300	600	300	300	300
Vietnam	2,000	2,000	3,600	5,457	6,000	6,000	6,000	4,200	500	500	300	300	300	300
Other Asia	1,860	2,160	2,160	2,160	2,160	2,160	2,160	2,160	180	180	180	180	180	180
AMERICA														
Argentina	778	752	882	560	833	878	596	674	46	0	17	44	41	19
Bolivia	480	480	480	480	480	480	480	480	40	40	40	40	40	40
Brazil	5,628	3,546	6,073	4,600	4,606	17,258	10,009	9,357	946	1,018	588	751	631	965
Canada	2,882	2,601	2,360	2,740	3,238	2,887	2,562	2,489	177	150	195	195	198	215
Chile	242	199	132	96	152	111	82	95	14	0	21	5	7	5
Colombia	348	320	308	286	243	300	280	271	31	30	31	20	14	42
Mexico	3,898	3,493	3,393	3,769	3,615	4,160	4,197	4,906	400	400	400	400	396	317
Peru	216	216	220	216	216	216	216	216	18	18	18	18	18	18
U.S.A.	30,365	30,691	29,193	28,800	30,644	29,455	31,476	34,664	3,980	3,980	3,703	2,678	2,123	1,793
Venezuela	335	205	187	178	90	59	19	16	1	1	1	1	1	1
Other America	600	420	420	420	420	420	420	420	35	35	35	35	35	35
OCEANIA														
Australia	579	480	516	427	467	215	259	284	45	20	46	40	0	45
New Zealand	66	73	19	18	19	7	49	46	5	8	0	9	0	5
WORLD TOTAL	381,772	360,887	359,960	381,439	361,943	387,563	381,702	378,582	31,667	31,668	32,135	30,106	30,657	34,115

Source : World Bureau of Metal Statistics