

MALAYSIAN TIN BULLETIN

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MARCH TIN MARKET REVIEW

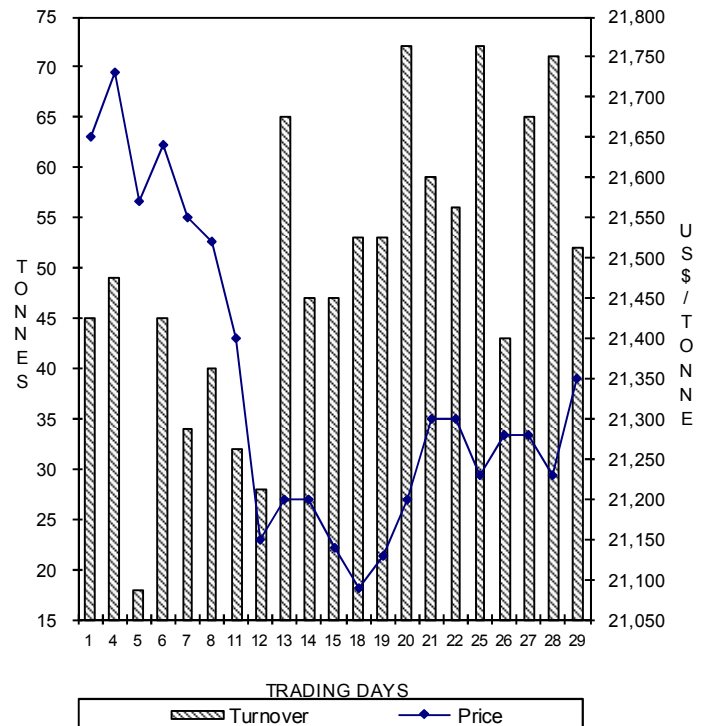
Kuala Lumpur Tin Market (KLTM)

Tin trading on the KLTM during the month of March was conducted within the US\$21,090 and US\$21,730 per tonne price range. The metal was traded mostly on a downward trend with declining prices during most part of the month.

The local physical tin market opened the trading month at US\$21,650 per tonne on 1st March 2019. That happened to be the only trading day of March's first short trading week. It rose the following day to open the second trading week at US\$21,730 per tonne, being the highest price level for the month. The market declined during the subsequent days until end of the trading week. There were some technical corrections along the way that checked prices from further declines.

Tin prices continued to soften during the first two days of the third trading week before strengthening and stayed unchanged the following day. Prices again softened to close the trading week easier. The decline was in line with the lower tin prices on the London Metal Exchange (LME) as demand faded though interest remained fairly strong.

KLTM PRICES
MARCH 2019



Prices continued to weaken at the opening of the fourth trading week to record the month's lowest price level at US\$21,090 per tonne on 18 March, reflecting the local physical tin market's alignment with the LME's downward trend during the period. Thereafter, the market rebounded for three consecutive days before ending the trading week on a flat note.

The KLTM slid at the opening of the final trading week before rebounding and stayed unchanged the next day. Weak demand pushed prices down the following day before rebounding to close the trading month higher at US\$21,350 per tonne. The upward momentum was backed by heavy buying especially from Japanese and European traders.

There were 21 days of trading on the KLTM in March with the average price recorded for the month at US\$21,317 per tonne. The month's average daily turnover was 50 tonnes, higher than February's average of 37 tonnes. The highest daily turnover recorded in March was 72 tonnes, and the lowest was 18 tonnes.

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London Metal Exchange (LME)

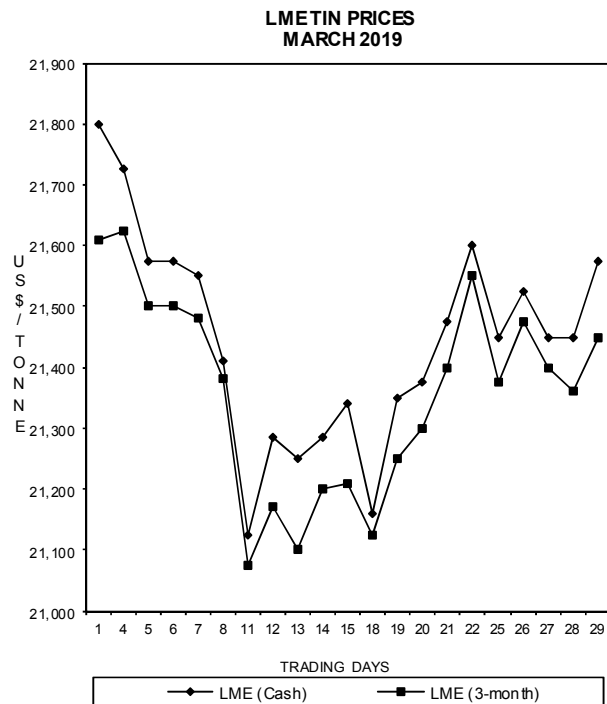
Tin metal trading on the London Metal Exchange (LME) during the month of March recorded a mixed pattern, in line with the trading of other base-metals on the Exchange.

The market opened the trading month at US\$21,800 per tonne for cash tin and US\$21,610 per tonne for 3-month tin, with the former being the highest price level for the month.

The 3-month tin price inched a tad higher at the opening of the second trading week to record its highest level for the month at US\$21,625 per tonne. Overall, tin prices were mostly on a downward momentum during the trading week due to weak demand.

During the third trading week, tin prices rebounded towards end of the week with a technical correction coming into play checking the prices somewhat from further increasing. The up-beat was due to heavy buying as traders took advantage from the earlier low prices.

Backed by strong demand, tin prices strengthened throughout the fourth trading week. Sentiment was bullish as traders were very keen to participate in the market.



Tin prices traded range bound during the final trading week to finally close the trading month at US\$21,575 per tonne for cash tin and US\$21,450 per tonne for 3-month tin.

The March average LME cash price was US\$21,444 per tonne while the average price for 3-month tin was US\$21,359 per tonne.

NEWS ROUND UP

Bisie Tin Project Nearing Full Production

Alphamin, which owns the Bisie tin project in the Democratic Republic of Congo, has just announced that the mine is moving towards full production. Its front-end crushing circuit is reported to be reaching nameplate capacity of some 60 tonnes per hour.

The plant's front-end crushing circuit is now fully operational. Some 6,500 tonnes of ore have been crushed and stockpiled in preparation for the operation of the gravity separation circuit. The cold commissioning of the gravity concentration section has also started and is progressing well.

Early this year, Alphamin had announced plans to change the mining method from sub-level caving to cut and fill. The former method removes more mate-

rial, but at a lower grade. The later method allows the company to be more selective where horizontal layers are mined-out consecutively before being back-filled, resulting in lower ore loss and dilution. Ore production using the new method is now in progress, with a detailed mine schedule having been received for 2019 and 2020. The mine is expected to be fully ramped-up and commissioned during the second quarter of 2019, together with an updated life of mine schedule. Production then is expected to reach nameplate capacity during the third quarter of 2019, with an updated NI 43-101 and followed by project economics. Preliminary analysis shows that unit costs per tonne of ore will be higher compared to the company's most recent feasibility study expectation.

ICDX Introduced a New Physical Tin Contract

The Indonesian Commodities and Derivatives Exchange (ICDX) has launched a new physical tin contract in early March. The Ex-Warehouse Physical Contract transfers tin exports to bonded warehouses operated by the Bonded Logistics Centre (PLB).

According to an ICDX spokesman, this is the first time that bonded warehouses are being used in the history of Indonesian tin exports. He added that

bonded warehouses would remove in-country risks for tin buyers and sellers by guaranteeing the legal status of tin stored by PLB. The new ICDX contract was introduced after the Association of Indonesia Tin Exporters called for the Indonesian government to improve management of the country's tin exports. The Association had asked the government to establish a national reserve to influence supply and reduce price volatility.

2018 Tin Consumption Surpassed Expectations

According to the International Tin Association's (ITA) year-end data, tin consumption in 2018 was reported to be stronger than previously expected. Although tin had a good start beginning of the year, expectations went down afterwards due to the US-China trade tensions and poor macro-economic data. However, growth in tin usage remained relatively strong, growing by 2.5 per cent over the course of the year.

The uses of the metal are now diverse, not only as food containers but also in a wide range of chemical applications. The main use of tin, however, is still in solder, connecting electronic components that enable a vast spectrum of technology to function correctly. Tin is also used in both traditional lead-acid batteries, as well as potentially in emerging lithium-ion batteries, where huge future growth may be expected.

Most commodities had a tumultuous year in 2018. The base metals group had a positive momentum during the first half of the year with increased prices for most metals. However, markets reacted poorly during the second half due to the introduction of trade tariffs and the escalating US-China trade tensions, with all metals prices declining from their intra-year highs.

According to ITA's annual survey, global consumption growth was projected at around 3 per cent in 2018. However, the expectation was moderated by the weakening macro-economic outlook, resulting in the forecast being revised to just 1 per cent growth. Although demand declined during the latter half of the year, global refined tin consumption grew by some 2.5 per cent in 2018, an increase of some 9,000 tonnes compared with 2017.

China consumed some 45 per cent of global tin production. Although the Chinese solder market was impacted by the declining electronics sector, demand in other areas, such as automotive, industrial and medical uses has grown. Whilst consumption from China declined slightly in 2018, this was offset by significant growth in overall global tin consumption of 5 per cent.

Preliminary forecasts of tin consumption for this year indicate to be rather flat. The increasing consumption outside of China will compensate for the contraction in the Chinese market. A continuing slowdown in China's economy is likely due to the ongoing US-China trade tensions, although a resolution may be forthcoming. However, it is too early to predict on how a new trade deal will affect tin consumption. Growth in the electronics markets outside of China has fuelled new tin usage, whilst miniaturisation may have peaked. Overall, tin consumption in 2019 is estimated to contract to about less than 1 per cent.

ITA is looking at several new markets that should have significant new tin use in the medium term. According to its research, renewable energy generation and storage, as well as advanced computing and robotics all present growth areas for tin. Furthermore, an independent report by MIT and Rio Tinto foresees that tin will grow the most from the upcoming technology super-cycle due to its unique properties and role as the technological "glue" that will connect everything together.

(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
2019						
Mar.						
1	21,650	4.0727	88,174	45	21,800	21,610
4	21,730	4.0736	88,519	49	21,725	21,625
5	21,570	4.0784	87,971	18	21,575	21,500
6	21,640	4.0879	88,462	45	21,575	21,500
7	21,550	4.0868	88,071	34	21,550	21,480
8	21,520	4.0915	88,049	40	21,410	21,380
11	21,400	4.0902	87,530	32	21,125	21,075
12	21,150	4.0825	86,345	28	21,285	21,170
13	21,200	4.0906	86,721	65	21,250	21,100
14	21,200	4.0894	86,695	47	21,285	21,200
15	21,140	4.0916	86,496	47	21,340	21,210
18	21,090	4.0895	86,248	53	21,160	21,125
19	21,130	4.0765	86,136	53	21,350	21,250
20	21,200	4.0758	86,407	72	21,375	21,300
21	21,300	4.0604	86,487	59	21,475	21,400
22	21,300	4.0618	86,516	56	21,600	21,550
25	21,230	4.0715	86,438	72	21,450	21,375
26	21,280	4.0686	86,580	43	21,525	21,475
27	21,280	4.0775	86,769	65	21,450	21,400
28	21,230	4.0788	86,593	71	21,450	21,360
29	21,350	4.0810	87,129	52	21,575	21,450

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
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	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

n.y.a : not yet available

* : at producer

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

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

* : Preliminary
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

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

** : Preliminary.

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 REFINED TIN CONSUMPTION (In Tonnes)

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2018	2018	2018	2018	2018
									Jan	Feb	Mar	Apr	May	June
EUROPE														
Austria	2,724	3,200	2,978	3,184	3,715	3,438	3,323	4,148	300	340	300	241	240	250
Belgium	4,200	6,584	5,231	5,400	2,400	2,400	2,400	697	60	60	60	60	60	60
Bulgaria	520	520	500	501	360	144	101	1	0	0	0	5	5	5
Czech Republic	229	470	474	379	300	460	515	532	40	73	75	45	45	45
Denmark	104	108	13	24	11	8	3	17	1	1	1	1	1	1
Finland	175	131	121	72	244	211	86	51	2	1	6	6	6	6
France	5,364	4,839	4,323	4,616	5,203	4,382	4,736	5,456	524	448	301	263	742	707
Germany	17,431	19,788	17,592	17,896	18,835	17,931	18,242	20,284	1,300	1,200	1,300	1,819	1,800	1,700
Greece	1,200	1,350	630	616	676	655	632	600	50	50	50	55	50	50
Hungary	114	106	105	111	109	163	145	1,177	200	200	200	200	200	120
Ireland	37	48	7	3	3	7	4	0	0	0	0	0	0	0
Italy	3,720	4,807	6,111	3,096	3,760	3,017	3,495	3,974	200	200	300	277	300	300
Netherlands	5,400	4,867	4,500	7,399	7,200	6,000	6,000	6,000	500	500	500	500	500	500
Norway	11	5	9	5	3	3	0	1	0	0	0	0	0	0
Poland	856	1,582	2,085	1,908	2,520	2,647	3,669	3,537	310	280	280	258	225	225
Portugal	236	529	435	356	482	408	554	856	100	86	75	99	84	60
Romania	1,140	1,140	960	3,200	960	840	336	516	30	30	30	59	30	30
Russia	2,465	2,960	3,039	3,196	1,516	1,262	995	1,339	50	50	70	60	60	20
Slovakia	400	400	240	202	404	501	465	645	50	53	50	72	43	48
Spain	2,076	2,032	1,303	1,913	1,470	1,864	1,495	1,605	100	100	100	181	125	125
Sweden	6,089	5,742	2,910	4,385	6,435	5,682	6,492	5,457	300	300	400	584	450	500
Switzerland	268	200	55	861	66	81	47	69	4	4	4	20	4	34
United Kingdom	754	703	780	821	794	962	979	936	85	106	96	109	57	51
Yugoslavia	3,000	2,390	1,320	1,140	1,080	1,080	1,080	1,080	90	90	90	90	90	90
Other Europe	900	900	720	720	720	720	720	720	60	60	60	60	60	60
AFRICA														
Egypt	400	400	110	104	0	155	107	119	0	10	10	18	20	30
Morocco	84	84	84	29	14	16	21	15	0	1	1	0	0	5
Nigeria	300	300	300	300	300	300	300	623	0	50	50	50	50	50
South Africa	840	1,464	1,200	1,152	1,243	1,129	1,047	957	101	24	103	49	100	49
Other Africa	900	900	720	720	720	720	720	720	0	60	60	60	60	60
ASIA														
China	152,832	180,812	176,404	168,194	192,610	175,842	191,415	183,391	14,176	12,469	15,774	11,871	11,345	12,000
Hong Kong	1,800	1,800	1,800	1,800	1,800	1,800	1,800	1,800	150	150	300	300	300	300
India	10,760	9,738	9,985	9,941	11,870	12,857	9,088	9,861	900	500	800	897	900	1,000
Indonesia	1,351	1,200	1,200	600	1,200	1,200	1,200	1,200	100	100	100	100	100	100
Iran	2,400	2,400	1,200	797	737	1,129	987	1,058	75	81	184	75	20	49
Japan	35,660	26,936	27,657	28,272	27,090	26,762	26,113	29,111	2,839	2,630	2,174	1,935	1,791	2,903
Kazakhstan	1,012	1,044	606	602	431	423	490	431	50	0	70	30	30	50
Malaysia	4,440	4,440	4,440	3,900	3,900	1,560	1,560	1,560	130	130	130	130	130	130
Pakistan	480	480	360	528	618	480	279	300	25	25	25	25	25	25
Philippines	73	217	122	143	225	118	506	220	3	3	3	6	6	10
Singapore	2,000	2,000	2,000	2,000	1,998	2,000	1,960	1,920	160	160	160	160	160	160
South Korea	17,444	14,404	16,238	14,533	13,772	13,091	14,199	13,112	1,121	1,169	1,078	1,069	1,132	1,419
Syria	180	180	120	0	120	120	120	120	10	10	10	10	10	10
Taiwan	11,142	8,093	7,071	5,883	4,583	4,703	4,140	4,494	476	300	366	144	200	679
Thailand	3,977	3,540	3,538	4,500	3,952	3,074	3,131	4,259	250	250	250	250	250	250
Turkey	2,134	2,422	2,135	2,337	2,259	2,136	2,416	3,110	265	305	302	348	254	165
United Arab Emirates	3,000	3,000	2,400	2,400	2,400	4,200	4,800	4,800	300	300	300	300	300	300
Vietnam	1,999	2,000	2,000	3,600	5,457	6,000	6,000	6,000	500	500	500	500	500	500
Other Asia	1,860	1,860	2,160	2,160	2,160	2,160	2,160	2,160	180	180	180	180	180	180
AMERICA														
Argentina	2,100	778	752	882	560	833	878	596	70	50	60	54	89	61
Bolivia	480	480	480	480	480	480	480	480	40	40	40	40	40	40
Brazil	10,137	5,628	3,546	6,073	4,600	4,606	17,258	10,009	1,023	728	766	630	1,009	723
Canada	2,974	2,882	2,601	2,360	2,740	3,238	2,887	2,562	272	254	203	159	199	279
Chile	263	242	199	132	96	152	111	82	10	0	9	27	0	5
Colombia	374	348	320	308	286	243	300	280	40	40	3	30	20	30
Mexico	4,130	3,898	3,493	3,393	3,769	3,615	4,160	4,197	250	500	450	364	450	400
Peru	216	216	216	220	216	216	216	216	18	18	18	18	18	18
U.S.A.	34,658	30,365	30,691	29,193	28,800	30,644	29,455	31,476	2,300	2,274	2,302	2,355	3,066	3,420
Venezuela	256	335	205	187	178	90	59	19	0	0	0	0	0	0
Other America	600	600	420	420	420	420	420	420	35	35	35	35	35	35
OCEANIA														
Australia	334	579	480	516	427	467	215	259	20	45	21	20	0	65
New Zealand	55	66	73	19	18	19	7	49	0	0	0	5	0	0
WORLD TOTAL	373,298	381,772	360,887	359,960	381,439	361,943	387,563	381,702	30,249	27,627	31,489	27,310	27,966	30,489

Source : World Bureau of Metal Statistics