



SEPTEMBER 2022 | VOLUME 33 NO. 9

SEPTEMBER TIN MARKET REVIEW

Kuala Lumpur Tin Market (KLTM)

With no refined tin metal being offered for sale, the KLTM continued to remain quiet with no trade being transacted during the month of September, the same as in the preceding eight consecutive months.

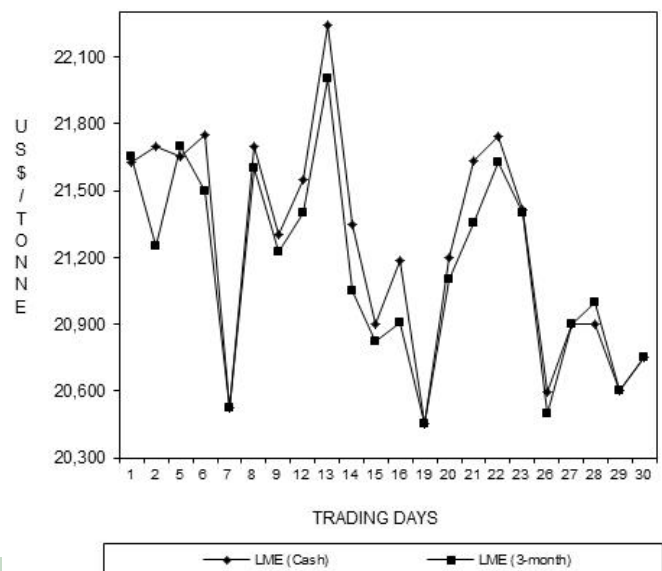
London Metal Exchange (LME)

Unsure of its next direction as market sentiment remained largely uncertain, tin trading on the LME during the month of September was mostly volatile especially during middle of the trading month. The movement in the trading of other base metals again impacted tin trading on the LME during the month.

The market started the September trading month at US\$21,625 per tonne for cash tin and US\$21,650 per tonne for 3-month tin. Trading, however, went opposite direction the next day to end the short first trading week higher for cash tin and lower for 3-month tin.

During the second trading week, the tin price was somewhat flat at the beginning before making a sharp decline during mid-week. It rebounded afterwards before easing yet again at end of the trading week on technical correction.

LME TIN PRICES
SEPTEMBER 2022



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Buoyed by strong demand, the tin price rose during the first half of the third trading week to record its highest price level for cash and 3-month tin at US\$22,245 and US\$22,000 per tonne, respectively on 13th September. It softened towards end of the trading week but rebounded somewhat at close of the week.

The market eased at the opening of the fourth trading week to record its lowest price level for cash and 3-month tin, both at US\$20,450 per tonne on 19th September, influenced largely by weak demand. It moved higher afterwards but again declined at end of the trading week.

The tin price softened further at the start of the final trading week. It, however, rebounded towards middle of the trading week as demand strengthened. The market again eased the following day before inching-up to close the trading month at US\$20,750 per tonne for both cash and 3-month tin, lower than their respective opening price level for the month.

The average price for LME cash and 3-month tin for the September month were US\$21,258 and US\$21,150 per tonne, respectively.

NEWS ROUND-UP

Elementos Signs Contract to Build Processing Plant

Elementos, an Australian tin exploration and development company, has achieved its target in the development of its Oropesa project in Spain by signing a contract to build a processing plant.

Through its local Spanish subsidiary, Minas de Estano de Espana, the company has awarded an Early Contractor Involvement (ECI) contract to Duro Felguera (DF), a local Spanish company. DF specialises in the delivery of Engineering, Procurement, and Construction (EPC) contracts for large industrial projects.

The ECI is split into two phases. In phase one, DF will mature the engineering studies past the level suitable for Elementos' Definitive Feasibility Study. DF will also provide a lump sum cost for completing the EPC delivery of the plant. About 90 per cent of the final EPC contract has already been agreed.

Once the job has been completed, approved by Elementos' financiers and government, and a final investment decision has been made, DF will deliver the processing plant for the Oropesa project. This second phase, however, is not fully binding. It allows Elementos the flexibility for alternative approaches if unforeseen challenges arise.

According to Elementos' Optimisation Study for Oropesa, published in March 2022, it estimated that the plant would process some 1Mtpa ore. This follows a 20 per cent reduction in mined mass via ore sorting technology and would result in some 3,350 tonnes of tin-in-concentrate annually.

Metallurgical Work at Oropesa Indicates Attractive Results

In a more recent development, Elementos has confirmed that ore from the Oropesa project can be processed using a conventional flowsheet into a high-grade commercial tin concentrate.

Oropesa is Elementos' flagship project located in Andalusia, Spain, and is currently being progressed towards a Definitive Feasibility Study (DFS). According to its Optimisation Study released earlier this year, the project could produce 3,350 tonnes of tin-in-concentrate annually over a thirteen-year life span.

Part of the work for the DFS is to prove that the ore can be recovered economically. Elementos worked with Wardell Armstrong International to complete a pilot plant metallurgical testing of representative ore from Oropesa.

Results from the test work confirmed that cassiterite was the major form of tin mineralisation in the orebody. More than 99 per cent of the tin present at Oropesa is found with cassiterite. If it contains significant volumes of stannite, this can challenge economics. Although stannite will show as tin during analysis, it is not currently economically recoverable.

The metallurgical work also confirmed the project's proposed processing flowsheet part of its DFS. The company's spokesman was extremely pleased with the results, saying "The resulting concentrate is not only low in impurities but is confirmed to be produced with economic average recoveries above 74%".

The proposed flowsheet has two sections. The first follows conventional gravity concentration of cassiterite, while the second uses modern flotation methods to extract the valuable tin from fine-grained or low-grade material. Combined, the two stages could produce 61.4 per cent Sn concentrate with a 74.1 per cent recovery. The concentrate is low in impurities, with just 4.9 per cent Fe, 0.2 per cent Pb, and 3.2 per cent sulphides.

Elementos is continuing commercial offtake discussion based on these new pilot scale results. The company's spokesman further said that "The feedback on the concentrate to date has been very positive and we will continue to mature commercial discussions".

Metals X Updates Renison Mine Reserve

Metals X, Australia's largest tin producer, has updated the Reserve Estimate for its Renison mine in Tasmania, replacing depleted material with higher grade ore. New drilling results have given the company the confidence that it will be able to continue this trend in the future.

The Renison mine has been continuously mined for almost a century, and proving the continued longevity of the project is a crucial benchmark for Metals X and its investors.

Metals X updated its Renison mine's Resource Estimate in June. Despite mining depletion, the company increases the amount of tin in ore at the mine by some 6 per cent. However, Resources are not an indication of whether the material can be mined economically.

In its latest update of economically extractable metal at Renison, Metals X has announced that contained tin has increased by 17 per cent. The mine now contains some 128,900 tonnes of metal at a grade of 1.46 per cent.

This increase of 19,000 tonnes is the net result of new Reserves of 31,000 tonnes and mining depletion of

12,000 tonnes. The newly included Reserves during the year were of higher quality than material presently mined at Renison. The new material has a grade of 1.68 per cent Sn compared to 1.50 per cent Sn average grade of mined material, which could lower operational costs.

Metals X has also announced drilling results from new areas of mineralisation. In 2019, the company surveyed seven drill holes using downhole electromagnetic probes. The work identified 24 conductive targets of which three were highlighted as key targets for further testing. Initial drilling intersected sulphide mineralisation.

The initial drilling was followed up with a six-hole drilling programme, of which the latest results are from the second of this drill holes. Located about 800m from the nearest mining drive, hole S1671 was the standout as it returned strong tin results of 4.57 per cent Sn at a depth of 26.93m. Following the strong results, Metals X plans to drill five more holes around S1671 to further test the extent of mineralisation.

(Source: "Tin in the News", ITRI Ltd. UK)

SPECIAL ARTICLE

Many Hidden Gems Await in Dengkil

A disused tin dredge in Dengkil, Selangor, is set to be a tourist attraction after being bought by Sepang Municipal Council (MPSepang). The local council has plans to restore the dredge with a view of opening it to the public in the next three years. It is believed to be one of the biggest tin dredge in the country. According to a source from the tin mining industry, the Sri Banting Dredge was built by Timah Langat Holdings Bhd in 1974. It was later sold to OIC Engineering Sdn Bhd which subsequently sold it to MPSepang.

The electric-powered dredge weighs 5,000 tonnes, has a maximum digging depth of 30.5m and bucket capacity of 680 litres, which was upgraded from its original 623 litres. Selangor rural development, traditional village, Malay customs, culture and state heritage committee chairman Borhan Aman Shah said the Sri Banting Dredge was a national treasure. As such, he said the state government was looking into applying for Unesco World Heritage Site recognition.

"The tin dredge is in working condition and MPSepang is doing some repairs on it at the moment. A planning permission application submitted by a developer concerning a site close to the tin dredge has been put on hold. We do not want to give any approval for development nearby as this may jeopardise our application for Unesco status," he said, stressing that historical sites should not be disturbed. If our plan succeeds, the tin dredge will not only be a pride of Dengkil and Selangor but also Malaysia," Borhan said at the launch of the "Let's Go Dengkil" campaign at Medan Selera Dengkil.

In Malaysia, only one tin dredge has been restored and opened as a tourist attraction. That is the Tanjung Tualang Tin Dredge TT5 (TT5) in Perak. According to the TT5 Perak website, the 4,500-tonne dredger operated from 1938 until 1982. In 1997, Malaysian Mining Corporation donated TT5 to the Perak government. In 2015, the state mandated Menteri Besar Incorporated Perak to conserve the tin dredge as a heritage site. Visitors to TT5 Perak, which opened to the public in 2017, can go on a guided dredge tour, experience panning and enjoy a magnificent view of the landscape.

On promoting Dengkil as a tourist destination, Borhan said the district had good potential due to its proximity to Kuala Lumpur International Airport (KLIA). "There are high chances that tourists coming into and exiting the country through KLIA will pass Dengkil. We should tap into this opportunity by promoting the attractions that the district has to offer.

"Firstly, the locals themselves must visit the places in Dengkil, learn about their uniqueness and spread the word around. Perhaps a leisure cycling event can be held to take the locals around to see the district from a tourist's point of view," he added.

Let's Go Dengkil

While waiting for the tin dredge to open to tourists, visitors are invited to go around the district to see other interesting places. MP Sepang councillor Kenneth Lee, who is also in charge of the Sri Dengkil Zone, said the latest attraction was Bandar Baru Salak Tinggi (BBST) Walk, a 10-minute drive from Dengkil.

"The state government spent RM4mil to paint large murals on old buildings last year. At BBST Walk, visitors can see some unique murals about Sepang, depicting Formula 1, Orang Asli village, tin dredge and KLIA," said Lee who organised the Let's Go Dengkil campaign supported by the state government and the local council.

He is also keen to promote a 6.5ha pineapple farm in Jalan Besar Sungai Merab Luar that many do not know about. "Saudagar Agro Farm has 176,000 pineapple

plants over the hills in a remote area. Visitors can get some hands-on farming experience in the picturesque setting, as the owner recently added a section at the farm just for them," he said.

Dengkil is also home to several Orang Asli villages, with the largest being Kelinsing that has about 200 residents. "Tourists, especially foreigners, may be keen to experience the Orang Asli culture including food, dance and crafts. Those into craft work can check out Malaysian Heritage Wood Craft, a workshop in Jalan Selangor Dredging, Dengkil, that is famous for its custom-made wood products," he said.

There are also many places of worship in the district with interesting architecture. Lee said the Jiling temple that was completed in 2019 had clear ponds with carp while Dengkil Thien Oh Kiong was believed to be over 100 years old.

"There is also the Sri Mayura Nathar Alayam, a Hindu temple in Kampung Ampar Tenang. It was completed in 2002 and is famous for having peacocks grazing freely on the temple grounds. About 10 minutes from Dengkil is Raja Haji Fisabilillah Mosque in Persiaran Semarak Api, Cyberjaya. Also known as the Cyberjaya Mosque, it was completed in 2015 with sustainability in mind. The design incorporated recyclable materials and energy-efficient equipment that earned it a Green Building Index platinum rating," he said.

(Source: The Star, 17 September 2022)

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) |
| 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 |
| 2021 | 26,589 | | 16 | 1,955 | 32,584 | 31,105 |
| 2019 | Jan. | | 34 | 719 | 20,480 | 20,372 |
| | Feb. | | 37 | 628 | 21,268 | 21,172 |
| | Mar. | | 50 | 1,046 | 21,444 | 21,359 |
| | Apr. | | 38 | 833 | 20,684 | 20,560 |
| | May | | 19 | 388 | 19,531 | 19,326 |
| | Jun. | | 19 | 344 | 19,177 | 19,076 |
| | Jul. | | 19 | 416 | 17,991 | 17,983 |
| | Aug. | | 20 | 422 | 16,577 | 16,567 |
| | Sep. | | 22 | 392 | 16,840 | 16,834 |
| | Oct. | | 21 | 464 | 16,603 | 16,627 |
| | Nov. | | 20 | 417 | 16,369 | 16,386 |
| | Dec. | | 18 | 376 | 17,093 | 17,063 |
| 2020 | Jan. | | 19 | 406 | 17,056 | 17,057 |
| | Feb. | | 18 | 354 | 16,457 | 16,456 |
| | Mar. | | 20 | 236 | 15,321 | 15,307 |
| | Apr. | C L O S E D | | | 15,039 | 14,949 |
| | May | | 17 | 268 | 15,410 | 15,231 |
| | Jun. | | 18 | 374 | 16,806 | 16,627 |
| | Jul. | | 16 | 358 | 17,452 | 17,375 |
| | Aug. | | 18 | 343 | 17,672 | 17,649 |
| | Sep. | | 21 | 444 | 17,946 | 17,962 |
| | Oct. | | 18 | 383 | 18,154 | 18,152 |
| | Nov. | | 20 | 413 | 18,568 | 18,539 |
| | Dec. | | 23 | 509 | 19,727 | 19,643 |
| 2021 | Jan. | | 17 | 314 | 21,955 | 21,596 |
| | Feb. | | 25 | 456 | 26,717 | 24,415 |
| | Mar. | | 21 | 494 | 27,396 | 25,079 |
| | Apr. | | 16 | 327 | 28,427 | 26,568 |
| | May | | 17 | 298 | 32,524 | 29,736 |
| | Jun. | | 12 | 61 | 32,678 | 30,829 |
| | Jul. | C L O S E D | | | 34,183 | 33,010 |
| | Aug. | C L O S E D | | | 35,205 | 34,352 |
| | Sep. | C L O S E D | | | 35,048 | 34,109 |
| | Oct. | C L O S E D | | | 37,962 | 36,567 |
| | Nov. | C L O S E D | | | 39,333 | 38,042 |
| | Dec. | | 5 | 5 | 39,574 | 38,956 |
| 2022 | Jan. | | 5 | 21 | 41,807 | 41,344 |
| | Feb. | NO TRANSACTION | | | 44,118 | 43,820 |
| | Mar. | NO TRANSACTION | | | 44,249 | 43,917 |
| | Apr. | NO TRANSACTION | | | 43,122 | 42,644 |
| | May | NO TRANSACTION | | | 35,945 | 35,617 |
| | Jun. | NO TRANSACTION | | | 31,777 | 31,459 |
| | Jul. | NO TRANSACTION | | | 25,173 | 24,816 |
| | Aug. | NO TRANSACTION | | | 24,520 | 24,276 |
| 2022 Sept. | Sep. | NO TRANSACTION | | | 21,258 | 21,150 |
| | 1 | NO TRANSACTION | | | 21,625 | 21,650 |
| | 2 | NO TRANSACTION | | | 21,700 | 21,250 |
| | 5 | NO TRANSACTION | | | 21,650 | 21,700 |
| | 6 | NO TRANSACTION | | | 21,750 | 21,500 |
| | 7 | NO TRANSACTION | | | 20,525 | 20,525 |
| | 8 | NO TRANSACTION | | | 21,700 | 21,600 |
| | 9 | NO TRANSACTION | | | 21,305 | 21,225 |
| | 12 | NO TRANSACTION | | | 21,550 | 21,400 |
| | 13 | NO TRANSACTION | | | 22,245 | 22,000 |
| | 14 | NO TRANSACTION | | | 21,350 | 21,050 |
| | 15 | NO TRANSACTION | | | 20,900 | 20,825 |
| | 16 | C L O S E D | | | 21,185 | 20,910 |
| | 19 | NO TRANSACTION | | | 20,450 | 20,450 |
| | 20 | NO TRANSACTION | | | 21,200 | 21,100 |
| | 21 | NO TRANSACTION | | | 21,635 | 21,355 |
| | 22 | NO TRANSACTION | | | 21,745 | 21,625 |
| | 23 | NO TRANSACTION | | | 21,410 | 21,400 |
| | 26 | NO TRANSACTION | | | 20,595 | 20,500 |
| | 27 | NO TRANSACTION | | | 20,900 | 20,900 |
| | 28 | NO TRANSACTION | | | 20,900 | 20,995 |
| | 29 | NO TRANSACTION | | | 20,605 | 20,600 |
| | 30 | NO TRANSACTION | | | 20,750 | 20,750 |

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.

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 |
| 2021 | 2,045 | 2,130 | 955 | 8600* | 1,545 | 377* | 3600* | 4,530 | 21,737 | 25,142 | 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* | 5,910 | 23,044 | 33,151 | 4,020 |
| Mar. | 1,740 | 2,130 | 955 | 8600* | 1,573 | 181* | 3600* | 4,540 | 21,579 | 31,734 | 4,020 |
| Apr. | 1,245 | 2,130 | 955 | 8600* | 1,573 | 181* | 3600* | 4,550 | 21,589 | 30,572 | 4,020 |
| May | 755 | 2,130 | 955 | 8600* | 1,573 | 181* | 3600* | 4,550 | 21,589 | 28,232 | 4,020 |
| Jun. | 2,015 | 2,130 | 955 | 8600* | 1,573 | 181* | 3600* | 4,500 | 21,539 | 27,012 | 4,020 |
| Jul. | 2,290 | 2,130 | 955 | 8600* | 1,573 | 181* | 3600* | 4,460 | 21,499 | 26,954 | 4,020 |
| Aug. | 1,395 | 2,130 | 955 | 8600* | 1,581 | 181* | 3600* | 4,440 | 21,487 | 24,199 | 4,020 |
| Sep. | 1,235 | 2,130 | 955 | 8600* | 1,518 | 265* | 3600* | 4,440 | 21,508 | 24,344 | 4,020 |
| Oct. | 670 | 2,130 | 955 | 8600* | 1,518 | 265* | 3600* | 4,510 | 21,508 | 23,287 | 4,020 |
| Nov. | 1,285 | 2,130 | 955 | 8600* | 1,548 | 265* | 3600* | 4,530 | 21,508 | 24,894 | 4,020 |
| Dec. | 2,045 | 2,130 | 955 | 8600* | 1,545 | 377* | 3600* | 4,530 | 21,737 | 25,142 | 4,020 |
| 2022 | | | | | | | | | | | |
| Jan. | 2,390 | 2,130 | 955 | 8600* | 1,545 | 181* | 3600* | 5,040 | 22,051 | 27,505 | 4,020 |
| Feb. | 2,245 | 2,130 | 955 | 8600* | 1,550 | 181* | 3600* | 5,060 | 22,076 | 27,342 | 4,020 |
| Mar. | 2,000 | 2,130 | 955 | 8600* | 1,535 | 181* | 3600* | 4,940 | 21,941 | 26,552 | 4,020 |
| Apr. | 2,010 | 2,130 | 955 | 8600* | 1,551 | 681* | 3600* | 4,750 | 22,267 | 26,222 | 4,020 |
| May | 1,990 | 2,130 | 955 | 8600* | 1,572 | 681* | 3600* | 4,710 | 22,248 | 26,496 | 4,020 |
| Jun. | 2,765 | 2,130 | 955 | 8600* | 1,616 | 681* | 3600* | 4,770 | 22,352 | 28,868 | 4,020 |
| Jul. | 3,330 | 2,130 | 955 | 8600* | 1,611 | 230* | 3600* | 4,690 | 21,816 | 29,256 | 4,020 |
| Aug. | 4,065 | 2,130 | 955 | 8600* | 1,618 | 230* | 3600* | 4,690 | 21,823 | 28,614 | 4,020 |
| Sep. | 9,440 | 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

Source : 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. |
| 2016 | 4,158 | 14 | 1,406 | - | - | - | - | - | - | 3,388 | 14 | 1,130 | - | - | - | 293 | - | - | 442 | 18 | 276 |
| 2017 | 3,894 | 16 | 1,286 | - | 1 | 36 | - | - | - | 3,104 | 16 | 1,058 | - | - | - | 406 | - | - | 390 | 16 | 228 |
| 2018 | 3,868 | 12 | 1,295 | - | - | - | - | - | - | 3,184 | 12 | 1,075 | - | - | - | 424 | - | - | 260 | 11 | 220 |
| 2019 | 3,611 | 13 | 1,387 | - | - | - | - | - | - | 3,103 | 13 | 1,201 | - | - | - | 244 | - | - | 264 | 11 | 186 |
| 2020 | 2,963 | 14 | 1,534 | - | - | - | - | - | - | 2,780 | 10 | 1,348 | - | - | - | 125 | - | - | 58 | 11 | 186 |
| 2021** | 2,979 | 13 | 1,844 | - | - | - | - | - | - | 2,796 | 13 | 1,624 | - | - | - | 119 | - | - | 64 | 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. | 289 | 12 | 1,434 | - | - | - | - | - | - | 273.0 | 12 | 1,248 | - | - | - | 11.4 | - | - | 3.6 | 11 | 186 |
| Feb. | 266 | 12 | 1,387 | - | - | - | - | - | - | 234.0 | 12 | 1,201 | - | - | - | 20.1 | - | - | 11.4 | 12 | 186 |
| Mar. | 162 | 13 | 1,550 | - | - | - | - | - | - | 143.9 | 13 | 1,364 | - | - | - | 13.2 | - | - | 4.6 | 12 | 186 |
| Apr. | 36 | 13 | 1,410 | - | - | - | - | - | - | 34.2 | 13 | 1,224 | - | - | - | 1.8 | - | - | - | 12 | 186 |
| May | 252 | 13 | 1,401 | - | - | - | - | - | - | 233.4 | 13 | 1,215 | - | - | - | 15.5 | - | - | 3.2 | 11 | 186 |
| Jun | 278 | 12 | 1,391 | - | - | - | - | - | - | 261.4 | 12 | 1,205 | - | - | - | 12.0 | - | - | 4.4 | 11 | 186 |
| July | 272 | 12 | 1,411 | - | - | - | - | - | - | 258.4 | 12 | 1,225 | - | - | - | 9.0 | - | - | 4.2 | 11 | 186 |
| Aug. | 277 | 13 | 1,567 | - | - | - | - | - | - | 263.7 | 13 | 1,381 | - | - | - | 9.2 | - | - | 3.8 | 11 | 186 |
| Sep. | 292 | 14 | 1,572 | - | - | - | - | - | - | 274.5 | 14 | 1,386 | - | - | - | 11.7 | - | - | 5.8 | 11 | 186 |
| Oct. | 295 | 13 | 1,562 | - | - | - | - | - | - | 283.7 | 13 | 1,376 | - | - | - | 6.9 | - | - | 4.1 | 11 | 186 |
| Nov. | 272 | 14 | 1,573 | - | - | - | - | - | - | 257.1 | 14 | 1,387 | - | - | - | 6.0 | - | - | 8.4 | 11 | 186 |
| Dec. | 272 | 10 | 1,534 | - | - | - | - | - | - | 261.4 | 10 | 1,348 | - | - | - | 7.1 | - | - | 3.3 | 11 | 186 |
| 2021** | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 278 | 10 | 1,539 | - | - | - | - | - | - | 252.1 | 10 | 1,353 | - | - | - | 19.0 | - | - | 6.5 | 11 | 186 |
| Feb. | 257 | 11 | 1,541 | - | - | - | - | - | - | 238.9 | 11 | 1,355 | - | - | - | 12.5 | - | - | 5.5 | 11 | 186 |
| Mar. | 290 | 10 | 1,550 | - | - | - | - | - | - | 271.9 | 10 | 1,364 | - | - | - | 12.9 | - | - | 5.0 | 11 | 186 |
| Apr. | 294 | 11 | 1,551 | - | - | - | - | - | - | 277.7 | 11 | 1,365 | - | - | - | 11.0 | - | - | 5.5 | 11 | 186 |
| May. | 262 | 11 | 1,508 | - | - | - | - | - | - | 244.5 | 11 | 1,322 | - | - | - | 11.3 | - | - | 5.8 | 11 | 186 |
| Jun. | 44 | 10 | 1,450 | - | - | - | - | - | - | 40.1 | 10 | 1,264 | - | - | - | 0.0 | - | - | 4.2 | 11 | 186 |
| Jul. | 204 | 10 | 1,450 | - | - | - | - | - | - | 199.2 | 10 | 1,264 | - | - | - | 1.0 | - | - | 3.7 | 11 | 186 |
| Aug. | 233 | 9 | 1,547 | - | - | - | - | - | - | 218.1 | 9 | 1,361 | - | - | - | 11.4 | - | - | 3.7 | 11 | 186 |
| Sep. | 262 | 10 | 1,794 | - | - | - | - | - | - | 245.4 | 10 | 1,608 | - | - | - | 11.4 | - | - | 4.8 | 11 | 186 |
| Oct. | 292 | 12 | 1,358 | - | - | - | - | - | - | 276.2 | 12 | 1,138 | - | - | - | 11.0 | - | - | 4.7 | 11 | 220 |
| Nov. | 270 | 13 | 1,844 | - | - | - | - | - | - | 255.6 | 13 | 1,624 | - | - | - | 9.0 | - | - | 5.7 | 11 | 220 |
| Dec. | 294 | 13 | 1,844 | - | - | - | - | - | - | 276.2 | 13 | 1,624 | - | - | - | 8.1 | - | - | 9.4 | 11 | 220 |
| 2022** | | | | | | | | | | | | | | | | | | | | | |
| Jan. | 234 | 13 | 1,743 | - | - | - | - | - | - | 218.6 | 13 | 1,557 | - | - | - | 7.9 | - | - | 7.2 | 11 | 186 |
| Feb. | 252 | 12 | 1,736 | - | - | - | - | - | - | 234.2 | 12 | 1,550 | - | - | - | 6.5 | - | - | 10.9 | 11 | 186 |
| Mar. | 306 | 12 | 2,302 | - | - | - | - | - | - | 272.9 | 12 | 2,117 | - | - | - | 11.4 | - | - | 21.8 | 11 | 185 |
| Apr. | 273 | 12 | 1,834 | - | - | - | - | - | - | 251.0 | 12 | 1,649 | - | - | - | 12.1 | - | - | 10.4 | 10 | 185 |
| May | 276 | 15 | 1,849 | - | - | - | - | - | - | 262.5 | 15 | 1,658 | - | - | - | 12.0 | - | - | 1.4 | 10 | 191 |
| Jun. | 285 | 15 | 1,869 | - | - | - | - | - | - | 265.8 | 15 | 1,678 | - | - | - | 16.0 | - | - | 3.7 | 10 | 191 |
| Jul. | 303 | 19 | 1,877 | - | - | - | - | - | - | 283.5 | 19 | 1,689 | - | - | - | 12.3 | - | - | 7.5 | 10 | 188 |

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 |
|--------|-----------------------------------|--------------------------------|------------------------|-------------------|----------------------|
| 2016 | 4,158 | 30,536 | 26,849 | 2,238 | 27,470 |
| 2017 | 3,894 | 29,866 | 27,211 | 2,707 | 27,147 |
| 2018 | 3,868 | 27,450 | 27,115 | 1,964 | 27,342 |
| 2019 | 3,611 | 25,644 | 24,387 | 1,441 | 24,418 |
| 2020 | 2,963 | 22,288 | 22,367 | 1,512 | 22,597 |
| 2021* | 2,980 | 322 | 16,634 | 1,156 | 16,441 |
| 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. | 289 | 2,136 | 2,314 | 93 | 2,180 |
| Feb. | 266 | 1,449 | 1,880 | 119 | 2,226 |
| Mar. | 162 | 1,105 | 1,228 | 71 | 1,191 |
| Apr. | 36 | 1,198 | 1,110 | 75 | 933 |
| May. | 252 | 2,187 | 1,344 | 99 | 1,516 |
| Jun. | 278 | 1,927 | 1,926 | 190 | 1,644 |
| Jul. | 272 | 1,972 | 1,819 | 150 | 2,240 |
| Aug. | 277 | 2,785 | 2,672 | 151 | 2,290 |
| Sep. | 292 | 2,398 | 2,057 | 138 | 2,198 |
| Oct. | 295 | 1,565 | 2,078 | 146 | 2,126 |
| Nov. | 272 | 1,536 | 1,974 | 125 | 2,108 |
| Dec | 272 | 2,030 | 1,965 | 155 | 1,945 |
| 2021* | | | | | |
| Jan. | 278 | 28 | 1,639 | 145 | 1,770 |
| Feb. | 257 | 29 | 1,847 | 70 | 1,765 |
| Mar. | 290 | 46 | 2,041 | 113 | 1,982 |
| Apr. | 294 | 47 | 1,680 | 115 | 1,836 |
| May. | 262 | 26 | 1,861 | 91 | 1,638 |
| Jun. | 44 | 0 | 695 | 86 | 894 |
| Jul. | 204 | 21 | 973 | 84 | 507 |
| Aug. | 233 | 19 | 1,115 | 86 | 1,085 |
| Sep. | 262 | 59 | 1,221 | 85 | 1,599 |
| Oct | 292 | 16 | 1,349 | 98 | 1,165 |
| Nov. | 270 | 10 | 1,086 | 91 | 1,172 |
| Dec | 294 | 21 | 1,127 | 92 | 1,028 |
| 2022* | | | | | |
| Jan. | 234 | n.y.a | n.y.a | n.y.a | n.y.a |
| Feb. | 252 | n.y.a | n.y.a | n.y.a | n.y.a |
| Mar. | 306 | n.y.a | n.y.a | n.y.a | n.y.a |
| Apr. | 273 | n.y.a | n.y.a | n.y.a | n.y.a |
| May | 276 | n.y.a | n.y.a | n.y.a | n.y.a |
| Jun. | 285 | n.y.a | n.y.a | n.y.a | n.y.a |
| Jul. | 303 | 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.

MALAYSIA'S DOMESTIC TIN CONSUMPTION (In Tonnes)

| PERIOD | TOTAL CONSUMPTION | SOLDER * | TINPLATE | PEWTER | OTHERS * |
|--------|----------------------|----------|----------|--------|----------|
| 2016 | 2,238 | 1,314 | 750 | 86 | 88 |
| 2017 | 2,707 | 1,348 | 737 | 63 | 559 |
| 2018 | 1,964 | 1,019 | 759 | 39 | 147 |
| 2019 | 1,441 | 695 | 639 | 19 | 88 |
| 2020 | 1,512 | 738 | 626 | 8 | 140 |
| 2021** | 1,156 | 395 | 710 | 6 | 45 |
| 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. | 145 | 73 | 66 | 1 | 5 |
| Feb. | 70 | 30 | 37 | 0 | 3 |
| Mar. | 113 | 40 | 68 | 0 | 5 |
| Apr. | 115 | 39 | 68 | 1 | 7 |
| May | 91 | 40 | 46 | 0 | 5 |
| Jun | 86 | 29 | 50 | 0 | 7 |
| Jul. | 84 | 20 | 64 | 0 | 0 |
| Aug. | 86 | 25 | 57 | 0 | 4 |
| Sep. | 85 | 30 | 53 | 2 | 0 |
| Oct. | 98 | 29 | 69 | 0 | 0 |
| Nov. | 91 | 20 | 69 | 2 | 0 |
| Dec. | 92 | 20 | 63 | 0 | 9 |
| 2022** | | | | | |
| Jan. | n.y.a | n.y.a | 56 | n.y.a | n.y.a |
| Feb. | n.y.a | n.y.a | 69 | n.y.a | n.y.a |
| Mar. | n.y.a | n.y.a | 58 | n.y.a | n.y.a |
| Apr. | n.y.a | n.y.a | 67 | n.y.a | n.y.a |
| May | n.y.a | n.y.a | 54 | n.y.a | n.y.a |
| Jun | n.y.a | n.y.a | 50 | 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)

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 |
|--------------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
| EUROPE | | | | | | | | | | | | | | |
| Portugal | 48 | 56 | 60 | 108 | 108 | 108 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Spain | 7 | 23 | 32 | 147 | 74 | 49 | 2 | 2 | 2 | 2 | 2 | 2 | 10 | 10 |
| Russia | 1,140 | 702 | 1,200 | 2,264 | 2,538 | 2,920 | 244 | 250 | 182 | 237 | 237 | 238 | 200 | 200 |
| United Kingdom | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| AFRICA | | | | | | | | | | | | | | |
| Burundi | 51 | 123 | 126 | 143 | 121 | 127 | 47 | 50 | 50 | 50 | 50 | 50 | 50 | 50 |
| DR.Congo | 4,128 | 7,145 | 9,000 | 6,250 | 13,508 | 15,000 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| Egypt | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Namibia | - | - | - | 9 | 242 | 499 | 45 | 53 | 50 | 50 | 52 | 50 | 50 | 50 |
| Nigeria | 3,827 | 5,964 | 8,784 | 7,020 | 5,848 | 6,900 | 500 | 500 | 500 | 500 | 500 | 500 | 1,200 | 1,200 |
| Rwanda | 2,621 | 3,508 | 2,400 | 2,223 | 1,692 | 2,122 | 150 | 150 | 150 | 150 | 150 | 150 | 200 | 200 |
| South Africa | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Zimbabwe | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Tanzania | 104 | 68 | 6 | 18 | 1,600 | 1,200 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Uganda | - | 66 | 53 | 50 | - | - | - | - | - | - | - | - | - | - |
| ASIA | | | | | | | | | | | | | | |
| China | 153,100 | 163,000 | 157,500 | 142,900 | 161,300 | 152,200 | 10,500 | 10,500 | 10,500 | 11,000 | 13,800 | 6,600 | 7,000 | 7,000 |
| Indonesia | 60,000 | 60,000 | 84,000 | 86,400 | 65,400 | 60,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 | 5,000 |
| Kazakhstan | - | - | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Laos | 1,308 | 779 | 566 | 1,156 | 1,237 | 1,415 | 249 | 157 | 200 | 337 | 54 | 50 | 117 | 312 |
| Malaysia | 4,123 | 3,967 | 3,999 | 4,080 | 3,183 | 3,180 | 265 | 265 | 265 | 265 | 265 | 265 | 265 | 265 |
| Mongolia | 36 | 50 | 60 | 110 | 120 | 120 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Myanmar | 47,435 | 58,883 | 45,900 | 33,750 | 29,100 | 29,544 | 1,800 | 1,800 | 4,300 | 1,900 | 800 | 800 | 3,500 | 3,500 |
| Thailand | 124 | 705 | 720 | 720 | 720 | 720 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| Vietnam | 5,520 | 4,560 | 4,560 | 5,520 | 5,420 | 5,400 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |
| AMERICA | | | | | | | | | | | | | | |
| Bolivia | 17,614 | 17,973 | 17,259 | 17,194 | 14,710 | 19,462 | 1,700 | 1,700 | 1,700 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| Brazil | 25,500 | 18,000 | 18,000 | 18,000 | 15,000 | 17,168 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| Peru | 18,789 | 17,790 | 18,601 | 19,683 | 20,647 | 26,995 | 2,410 | 2,043 | 2,366 | 2,373 | 2,406 | 2,287 | 2,675 | 1,920 |
| U.S.A. | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| OCEANIA | | | | | | | | | | | | | | |
| Australia | 6,635 | 7,217 | 6,871 | 7,738 | 7,836 | 8,691 | 600 | 600 | 600 | 900 | 900 | 900 | 800 | 800 |
| WORLD TOTAL | 351,948 | 370,299 | 379,482 | 355,116 | 320,452 | 353,820 | 26,942 | 26,699 | 29,494 | 27,893 | 29,345 | 22,021 | 26,196 | 25,636 |

Source : World Bureau of Metal Statistics

- : Nil

WORLD REFINED TIN CONSUMPTION (In Tonnes)

| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 | 2022 |
|----------------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | | | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug |
| EUROPE | | | | | | | | | | | | | | |
| Austria | 3,323 | 4,148 | 3,983 | 3,082 | 2,960 | 4,057 | 250 | 200 | 204 | 200 | 328 | 300 | 227 | 250 |
| Belgium | 2,400 | 697 | 720 | 720 | 720 | 720 | 60 | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| Bulgaria | 101 | 1 | 117 | 210 | 240 | 303 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| Czech Republic | 515 | 532 | 603 | 605 | 335 | 439 | 36 | 22 | 24 | 29 | 24 | 20 | 12 | 44 |
| Denmark | 3 | 17 | 7 | 1 | 10 | 17 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Finland | 86 | 51 | 77 | 94 | 72 | 95 | 3 | 10 | 18 | 0 | 1 | 1 | 4 | 5 |
| France | 4,736 | 5,456 | 6,080 | 5,020 | 4,982 | 3,643 | 242 | 280 | 351 | 471 | 284 | 386 | 246 | 386 |
| Germany | 18,242 | 20,284 | 20,236 | 18,441 | 14,898 | 16,052 | 1,000 | 1,252 | 1,410 | 1,561 | 1,365 | 1,685 | 1,163 | 1,593 |
| Greece | 632 | 600 | 646 | 634 | 637 | 646 | 50 | 60 | 50 | 50 | 50 | 51 | 53 | 52 |
| Hungary | 145 | 1,177 | 2,050 | 2,036 | 1,714 | 1,706 | 100 | 100 | 130 | 130 | 122 | 100 | 152 | 150 |
| Ireland | 4 | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Italy | 3,495 | 3,974 | 4,678 | 4,324 | 3,402 | 4,153 | 300 | 300 | 522 | 500 | 479 | 500 | 456 | 450 |
| Netherlands | 6,000 | 6,000 | 6,000 | 6,000 | 5,400 | 5,400 | 450 | 450 | 450 | 450 | 450 | 450 | 450 | 450 |
| Norway | 0 | 1 | 1 | 1 | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poland | 3,669 | 3,537 | 3,723 | 3,335 | 1,580 | 1,012 | 125 | 50 | 30 | 30 | 103 | 32 | 100 | 100 |
| Portugal | 554 | 856 | 891 | 831 | 463 | 476 | 60 | 90 | 10 | 10 | 197 | 58 | 141 | 104 |
| Romania | 336 | 516 | 866 | 551 | 442 | 554 | 25 | 20 | 50 | 50 | 64 | 60 | 23 | 25 |
| Russia | 995 | 1,339 | 495 | 1,914 | 1,443 | 2,015 | 99 | 175 | 175 | 175 | 180 | 180 | 180 | 180 |
| Slovakia | 465 | 645 | 767 | 593 | 614 | 669 | 40 | 27 | 68 | 47 | 70 | 46 | 72 | 69 |
| Spain | 1,495 | 1,605 | 1,652 | 1,563 | 1,898 | 1,715 | 160 | 100 | 200 | 200 | 148 | 150 | 128 | 150 |
| Sweden | 6,492 | 5,457 | 6,020 | 5,835 | 5,343 | 6,105 | 600 | 530 | 549 | 550 | 517 | 541 | 500 | 500 |
| Switzerland | 47 | 69 | 45 | 60 | 44 | 46 | 1 | 10 | 10 | 10 | 13 | 10 | 1 | 5 |
| United Kingdom | 979 | 936 | 961 | 262 | 102 | 80 | 2 | 14 | 12 | 4 | 10 | 12 | 5 | 4 |
| Yugoslavia | 1,080 | 1,080 | 1,080 | 1,080 | 240 | 960 | 80 | 80 | 80 | 80 | 80 | 80 | 80 | 80 |
| Other Europe | 720 | 720 | 720 | 720 | 530 | 480 | 40 | 0 | 40 | 40 | 40 | 40 | 40 | 40 |
| AFRICA | | | | | | | | | | | | | | |
| Egypt | 107 | 119 | 225 | 174 | 139 | 181 | 20 | 15 | 15 | 15 | 10 | 10 | 5 | 5 |
| Morocco | 21 | 15 | 22 | 20 | 22 | 27 | 3 | 0 | 2 | 5 | 6 | 4 | 0 | 0 |
| Nigeria | 300 | 623 | 1,436 | 1,322 | 240 | 240 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| South Africa | 1,047 | 957 | 633 | 604 | 326 | 340 | 59 | 24 | 36 | 44 | 34 | 35 | 35 | 30 |
| Other Africa | 720 | 720 | 720 | 720 | 530 | 480 | 40 | 0 | 40 | 40 | 40 | 40 | 40 | 40 |
| ASIA | | | | | | | | | | | | | | |
| China | 191,415 | 183,391 | 174,183 | 177,891 | 216,152 | 191,061 | 13,800 | 13,487 | 16,747 | 18,109 | 20,865 | 10,670 | 5,284 | 15,088 |
| Hong Kong | 1,800 | 1,800 | 3,300 | 3,600 | 480 | 1,359 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |
| India | 9,088 | 9,861 | 11,365 | 10,615 | 9,734 | 10,566 | 912 | 900 | 910 | 900 | 694 | 934 | 1,812 | 1,211 |
| Indonesia | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 1,200 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Iran | 987 | 1,058 | 1,573 | 2,221 | 2,261 | 1,600 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Japan | 26,113 | 29,111 | 28,084 | 24,905 | 20,198 | 28,383 | 1,923 | 2,233 | 2,130 | 1,794 | 1,893 | 2,038 | 2,146 | 2,172 |
| Kazakhstan | 490 | 431 | 405 | 350 | 287 | 0 | 5 | 50 | 50 | 0 | 0 | 45 | 20 | 130 |
| Malaysia | 1,560 | 1,560 | 1,560 | 1,560 | 1,560 | 1,560 | 130 | 130 | 130 | 130 | 130 | 130 | 130 | 130 |
| Pakistan | 279 | 300 | 489 | 311 | 194 | 322 | 16 | 16 | 15 | 0 | 30 | 30 | 48 | 50 |
| Philippines | 506 | 220 | 307 | 1,385 | 776 | 1,045 | 75 | 24 | 16 | 97 | 109 | 29 | 86 | 61 |
| Singapore | 1,960 | 1,920 | 1,920 | 1,920 | 1,720 | 1,920 | 160 | 160 | 160 | 160 | 160 | 160 | 160 | 160 |
| South Korea | 14,199 | 13,112 | 13,927 | 11,957 | 13,405 | 14,457 | 1,135 | 858 | 1,229 | 1,274 | 1,220 | 928 | 1,162 | 1,214 |
| Syria | 120 | 120 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Taiwan | 4,140 | 4,494 | 4,576 | 4,569 | 10,096 | 8,772 | 580 | 742 | 861 | 900 | 726 | 640 | 925 | 767 |
| Thailand | 3,131 | 4,259 | 3,000 | 3,000 | 3,000 | 3,000 | 250 | 250 | 250 | 250 | 250 | 250 | 250 | 250 |
| Turkey | 2,416 | 3,110 | 3,215 | 3,202 | 3,746 | 4,158 | 350 | 522 | 576 | 529 | 272 | 311 | 205 | 495 |
| United Arab Emirates | 4,800 | 4,800 | 3,600 | 3,600 | 2,160 | 2,160 | 180 | 180 | 180 | 180 | 180 | 180 | 180 | 180 |
| Vietnam | 6,000 | 6,000 | 4,200 | 3,600 | 4,639 | 4,622 | 380 | 380 | 380 | 380 | 380 | 380 | 380 | 380 |
| Other Asia | 2,160 | 2,160 | 2,160 | 2,160 | 1,690 | 1,560 | 130 | 0 | 130 | 130 | 130 | 130 | 130 | 130 |
| AMERICA | | | | | | | | | | | | | | |
| Argentina | 878 | 596 | 674 | 420 | 1,108 | 799 | 40 | 35 | 26 | 39 | 43 | 40 | 4 | 14 |
| Bolivia | 480 | 480 | 480 | 480 | 480 | 480 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 |
| Brazil | 17,258 | 10,009 | 9,357 | 9,398 | 3,333 | 2,466 | 40 | 85 | 84 | 100 | 100 | 100 | 100 | 100 |
| Canada | 2,887 | 2,562 | 2,489 | 2,387 | 1,871 | 3,264 | 148 | 493 | 351 | 350 | 350 | 350 | 68 | 72 |
| Chile | 111 | 82 | 95 | 111 | 133 | 130 | 16 | 5 | 5 | 7 | 10 | 11 | 5 | 17 |
| Colombia | 300 | 280 | 271 | 248 | 237 | 207 | 33 | 10 | 4 | 5 | 12 | 12 | 25 | 20 |
| Mexico | 4,160 | 4,197 | 4,906 | 4,779 | 4,406 | 4,661 | 400 | 400 | 454 | 450 | 242 | 250 | 267 | 300 |
| Peru | 216 | 216 | 216 | 216 | 198 | 216 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 |
| U.S.A. | 29,455 | 31,476 | 34,664 | 31,057 | 29,191 | 34,559 | 4,736 | 2,297 | 2,773 | 1,812 | 2,701 | 1,602 | 2,466 | 1,787 |
| Venezuela | 59 | 19 | 16 | 12 | 10 | 12 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Other America | 420 | 420 | 420 | 420 | 275 | 240 | 20 | 0 | 20 | 20 | 20 | 20 | 20 | 20 |
| OCEANIA | | | | | | | | | | | | | | |
| Australia | 215 | 259 | 284 | 375 | 255 | 317 | 0 | 20 | 49 | 54 | 9 | 56 | 18 | 47 |
| New Zealand | 7 | 49 | 46 | 41 | 30 | 65 | 0 | 5 | 0 | 12 | 0 | 9 | 11 | 0 |
| WORLD TOTAL | 387,563 | 381,702 | 378,582 | 368,742 | 384,161 | 377,773 | 29,735 | 27,582 | 32,497 | 32,884 | 35,657 | 24,601 | 20,515 | 30,007 |