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40	Disperse Date Collection Elizabeth Chilgense Date Collection Hartgroup	Apr 309, 2015	Explained the Standard Emulier Variety list with the Standar Statement List list, Applying common allowant reasons for metallism, on self-and and applying common allowant reasons for metallism on self-and common and the self-and common and com	This service transposies non-most sharpes is the species have refined in the Bender Binder-John of lye 17, 2015. Set laws amount of the Bender End to admit at high-laws model discussioning up to admit at high-laws model discussioning up to the second of the second
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430	CPEI CHRT	November 30, 2016	Convenients is all logs and errors.     Enhancements which do not sandlet with PC-1785     Enhancements which do not sandlet with PC-1785     Addition, and collaboration in the inhancement of definitions.     Diploids in SD vibral numbers for sociation.     Tomoclabors in processments.     Updates in the Enroller References Unit and Elevation Elevation Liquit.	This version incorporates a free changes in the security had a refundation for Electional Election following Children's 2005. The bisest certains of the Election Election List is available as high please as efficience survivage any bondlish has sensite y segment requirement.
10	CPE CHRT	May 13, 2017	I. Carachines in all large and some I. Carachines in all large and some II. Ca. 2 Co. 2 Lo. 1 / [Investig. 2] immediate flower is quadrated II. Ca. 2 Co. 2 Lo. 1 / [Investig. 2] immediate flower is quadrated II. Carachines and inflations in the interest and administration of the interest and administration of the interest and interes	This inclusion inequired as the ordering is the security list as influent list as influential for Standard and Standard an
Ean	CPEI CHRT Team	June 21, 2017	1. Corrections to checker talk errors	This sension incorporates a few changes to the smaller foll as reflected in the Standard Institute of Months Link as of Months 17, 2017. The latest sension of the Standard Emeller Link is exactled as help cleares conflicted executing angles offset has smaller program importance.
8.10	CPEI CHRT Team	December 1, 2017	Committees in all large, and errors.     Ethorocomments which do and mothed with PC-1766     Ethorocomments which do and mothed with PC-1766     Ethorocomment in the Committee of Ethorocomments.     Styledoms in the Studies Meditement List and Ethorocommittee List     Ethorogy is do the format	separat. Dos sension Fromposiders arbur obunges to the sensition but as refunded in the Eleval Ensulate Listins of Engineeine 20, 2017. The latent sension of the Elevalate Institute anniability as high classes conflicted examining any harding these users the gangers began separat.
6.11	FARIANT Team	April 27, 300 B	C. Committees in all loops and errors. S. Enhancements which do not conflict with PC-1705 s. Update in IEO when names for condition, which journames. S. Updates in the Seather Sedemon Landauer Elevation Elevation Line S. Committees and Monte and America. S. Committees in all loops and arrors.  S. Committees in all loops and arrors.	This amazon is composites as free obsergers to the smaller fall as reflected in the Essential Deader Lack as all thins to 2,0016. The identification of the Essential Deader Cakin and bifur homeomy consideration and activation or give pore after reference, as an extension of the property and of the extension of the Essential Deader Cakin and the Essential Deader Cakin an
677	PARAMIT Team	May 13, 2020	1. Convolume to all loops and neves 2. Enhancements which date and models with PC-178E a. Update in 150° short-means for resurbine, which is provious. 3. Updates in the Ten after References List and Essential Emerical Le	Non-monion incorposoles a los shanges to be a modele loi an efficiencia los Elizados. Burdes Lobias a History 27 2005. Il busin oranto ni for Burdes de Mario De Burdes de Bardes de modeles da higo livera conquescialmente modeles de modeles que a fair entre mode a sercicio de la higo livera compressiblemente modeles de modeles que a fair entre mode a processo happenhamente especial.  This servicio in temporales a faire changes to the servicio loi as refinishes limit de Bordes Lobias ad Haber 3, 2000. The lateral servicio est de Burdes de Bordes loi as modeles de high places representations interiorization origines and les modeles chains actualistica de high places representations and modeles de la descripción de modeles de la descripción de la descripción de modeles de la descripción de la descripción de modeles de modeles de la descripción de modeles de modeles
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6.00 6.00 6.00	- ann	April 28, 2021	Convolutes to all bugs and arrors     Updates to Emellion Reference Lini and Elevated Emellor Lini     Townstation Improvements.	Not institute maniphatenes a little shoughth, in the matter and an demonstrate for a same Boundar solice and features [10, 2021]. The latest measures of the demonstrate for an analysis of annulate solice and features or representations to anticolocities are update agree as the recisionship was presented beyond the disposal.  This section is to appear the solice of the annulate to
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6.00 6.00 6.00 6.30 6.30 6.30	FALSET Town	April 28, 2001  April 28, 2002  May 11, 2002  May 11, 2003  May 12, 2003	Commissions in all loops and arrows     Uplains in Enroller Enforcement Let and Elevated Enroller Link     Tomordiscin recomments.     Stemantiscin security control of the area including those related for Elevates Link     Elevate sections in commissionsported in commissions with the Elevates related for Elevates Link     Elevates Link     Elevates and Elevates Included Stemantiscin Stemantisci Stemantiscin Stemantisci Stemantisci Stemantisci Stemantisci Stemantisci Stemantisci Stemantisci Stemantisci Stemantisci Stemant	The control of the co

vebsite: (www.responsiblemineralsinitiative.org) ing and guidance, template, Responsible Minerals Assurance Process conformant smelter list.



This Conflict Minerals Reporting Template (Template) is a free, standardized reporting template created by the Responsible Minerals Initiative (RMI). The Template facilitates the transfer of information through the supply chain regarding mineral country of origin and smelters and refiners being utilized and supports compliance to legislation\*. The template also facilitates the identification of new smelters and refiners to potentially undergo an audit via the Responsible Minerals Assurance Process\*\*.

The CMRT was designed for downstream companies to disclose information about their supply chains up to but not including the smelter. If you are a 3TG smelter or refiner, in accordance with the RMAP protocols, we recommend you enter your own name in the smelter list tab.

When filling out the form, none of the cell entries should start will "=" or "#."

\* In 2010, the U.S. Dodd-Frank Wall Street Reform and Consumer Protection Act was passed concerning "conflict minerals" originating from the Democratic Republic of the Congo (DRC) or adjoining countries. The SEC published final rules associated with the disclosure of the source of conflict minerals by U.S. publicly traded companies (see the rules at http://www.sec.gov/rules/final/2012/34-67716.pdf). The rules reference the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas, (http://www.oecd.org/daf/inv/mme/GuidanceEdition2.pdf), which guides suppliers to establish policles, due diligence frameworks and management systems.

In 2017, Regulation (EU) 2017/821 of the European Parliament and of the European Council of 17 May 2017 was passed concerning supply chain due diligence obligations for Union importers of tin, tantalum and tungsten, their ores, and gold originating from conflict-affected and high-risk areas (see regulation at https://eur-lex.europa.eu/legal-content/EN/TX/PDF/Yur=01:L2017/3105/ULL&from=EN)

\*\* See information on the Responsible Minerals Initiative (www.responsiblemineralsinitiative.org).

- Instructions for completing Company Information questions (rows 8 22).

  Provide comments in ENGLISH only.

  Note: Entries with (\*) are mandatory fields.

  1. Insert your company's Legal Name. Please do not use abbreviations. In this field you have the option to add other commercial names. DBAs. etc.
- . Select your company's Declaration Scope. The options for scope are:
- Company-wide Product (or List of Products) User-Defined

For "Company-wide", the declaration encompasses the entirety of a company's products or product substances produced by the parent company. Therefore if the user is reporting 3TG data at the company level, they will be reporting conflict minerals data on all products they manufacture.

or Scope selection of Product (or List of Products), a link to the worksheet tab for Product List will be displayed. If this scope hosen, it is mandatory to list the Manufacturer's Product Number of the products covered under the Scope of this Declaration olumn B of the Product List worksheet. It is optional to list the Manufacturer's Product Name in Column C of the Product List worksheet.

For Scope selection of "User Defined", it is mandatory that the user describes the scope to which the 3TG disclosure is applicable. The scope of this class shall be defined in a text field by the supplier and should be easily understood by customers or the receivers of the document. As an example, companies may provide a link to clarifying information.

- 3. Insert vour company's unique identifier number or code (DUNS number, VAT number, customer-specific identifier, etc.)
- . Insert the source for the unique identifier number or code ("DUNS", "VAT", "Customer", etc).
- . Insert your full company address (street, city, state, country, postal code). This field is optional.
- . Insert the name of the person to contact regarding the contents of the declaration information. This field is mandatory.
- Insert the email address of the contact person. If an email address is not available, state "not available" or "n/a." A blank field nay cause an error in form implementation. This field is mandatory.
- 8. Insert the telephone number for the contact. This field is mandatory.
- Insert the name of the person who is responsible for the contents of the declaration information. The authorizer may be a ifferent individual than the contact person. It is not correct to use the words "same" or similar identification to provide the name of the authorizer. This field is mandatory.
- or the authorizer. Inis field is mandatory.

  10. Insert the title for the Authorizing person. This field is optional.

  11. Insert the email address of the Authorizing person. If an email address is not available, state "not available" or "n/a." A blank field may cause an error in form implementation. This field is mandatory.

  12. Insert the telephone number for the Authorizing person. This field is optional.
- 3. Please enter the Date of Completion for this form using the format DD-MMM-YYYY. This field is mandatory.
- 14. As an example, the user may save the file name as: companyname-date.xls (date as YYYY-MM-DD).

instructions for completing the eight Due Diligence Questions (rows 24 - 71).
Provide answers in ENGLISH only

These eight questions define the usage, origination and sourcing identification for each of the metals. The questions are designed to collect information about the use of 3TG in the company's product(s) to allow for the determination of regulatory applicability. Responses to these questions shall represent the 'Declaration Scope's selected in the company information section. The responses to the questions in this section can be used to determine applicability and completeness of 3TG reporting.

For each of the eight required questions, provide an answer for each metal using the pull down menu selections. The questions in this section must be completed for all 31G. If the response for a given metal to questions 1 and 2 is positive, then the subsequent questions shall be completed for that metal and the following due diligence questions (A to H) shall be completed about the company's overall due diligence program.

I. This is the first of two questions for which the response is used to determine whether the 3TG is within the scope of conflict minerals reporting requirements. This question relies upon the guidance provided by the SEC in the final rules regarding the letermination if a 3TG is "necessary to the functionality or production" of a product. The SEC guidance is based upon the presumption that a company in the supply chain for a product would not intentionally add a 3TG to that product or any of a product but components if that 3TG was not necessary to the product's generally expected function, use, or prospose. Similarly, the guidance presumes that a 3TG would not be necessary to the production of a product unless it was intentionally included in the production roccess of that product. The response to this question serves to exclude any trace-level contaminants or naturally-occurring by-products such as tin in steel. This question shall be answered for each 3TG.

This question asks if any conflict minerals are used as raw material, component or additive in a product that you manufactu contract to manufacture (including raw material and components). Impurities from raw materials, components, additives, a and cutting tools are outside the scope of the survey.

This question shall be answered for each 3TG. Valid responses to this question are either "ves" or "no". This question is mandatory

ome companies may require substantiation for a "No" answer that should be entered into the Comment Field.

2. This question shall be answered for each 3TG for each the answer to question 1 is "yes." This is the second of two questions for which the response is used to determine whether the 3TG is within the scope of conflict minerals reporting requirements as described in the SECs final rules regarding the determination if a 3TG is necessary to the functionality or production of a product. This question is dependent upon the question and response to Question 1. This question is intended to identify 3TGs which are intentionally added or included in the manufacturing process of a product where some amount of the 3TG remains in the finished product. This includes 3TGs which may not have been intended to become part of the final product and may not be necessary to the functionality of the product but are only present as residuals of the manufacturing process. In many cases, the manufacturer may have attempted to remove or facilitate consumption of the 3TG during the manufacturing process, however, some amount of the 3TG remains upon the completion of that process, the response to this question would be no.

This question shall be answered for each 3TG. Valid answers to this question are either "yes" or "no". This question is mandatory.

3. This is a declaration that any portion of the 3TGs contained in a product or multiple products originates from the DRC or an adjoining country (covered countries). The answer to this question should be "yes" if any smelter in the supply chain sources from the covered countries, even if those smelters are on the RMI conformant smelter and refiner list. For more information, see RMI's due diligence guidance on conflict minerals here: http://www.responsiblemineralsinitiative.org/training-and-resources/publication and-guidance/.

The answer to this question shall be "yes", "no", or "unknown". It is recommended to substantiate a "Yes" answer in the cor

This question is mandatory for a specific metal if the response to Question 1 and 2 is "Yes" for that metal.

This is a declaration that any portion of the 3TGs contained in a product or multiple products originates from conflict-affected and high-risk areas (CAHRAs).

The answer to this question should be "yes" if any smelter in the supply chain sources from covered countries or CAHRAs, those smelters are on the RMI conformant smelter and refiner list. For more information, see RMI's due dilipience guidance conflict minerals here: http://www.responsiblemineralsinitative.org/training-and-resources/publications-and-guidance/.

The answer to this question shall be yes, no or unknown. It is recommended to substantiate a "yes" answer in the comments section. This question is mandatory for a specific metal if the response to Question 1 and 2 is "yes" for that metal.

5. This is a declaration that identifies whether 3TGs contained in the product(s) necessary to the functionality of that product(s)

The answer to this question shall be "yes", "no", or "unknown". This question is mandatory for a specific metal if the response to Question 1 and 2 is "Yes" for that metal.

A "Yes" answer means that 100% of the 3TG comes from recycled or scrap sources. A "No" answer means that some of the 3TG does not come from recycled or scrap sources. An "Unknown" answer means that the user does not know whether or not 100% of the 3TG comes from recycled or scrap sources.

. This is a question to determine whether a company has received conflict minerals disclosures from all direct suppliers reaso elieved to be providing 3TGs contained in the products covered by the scope of this declaration. Permissible responses to this uestion are:

- Greater than 90% Greater than 75% Greater than 50% 50% or less None

This question is mandatory for a specific metal if the response to Question 1 and 2 is "Yes" for that metal.

7. This question verifies if the supplier has reason to believe they have identified all of the smelters providing 3TGs in the products covered by this declaration. The answer to this question shall be "Yes" or "No", along with a comment in certain cases, e.g. list of smelters.

This <u>question is mandatory for a specific metal if the response to Question 1 and 2 is "Yes" for that metal.</u>

8. This question verifies that all of the smelters identified to be providing any of the 3TGs contained in the products covered by the scope of this declaration have been reported in this declaration. The answer to this question shall be "yes" or "no" along with a comment in certain cases, e.g. list of smelters. This question is mandatory for a specific metal if the response to Question 1 and 2 is

Yes" for that metal. "Yes" for that metal.

Provide comments in the Comment sections as required to clarify your responses.

Instructions for completing Questions A. – H. (rows 75 - 89). Questions A. through H. are mar Provide answers in EMCLISH only

The OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-affected and High-risk Areas (OECD Guidance) defines "Due Diligence" as "an on-going, proactive and reactive process through which companies can ensure that they respect human rights and do not contribute to conflict". Due diligence should be an integral part of your company's overall conflict free sourcing strategy. Questions A. thru H. are designed to assess your company's conflict-free minerals sourcing due diligence activities. Responses to these questions shall represent the full scope of your company's activities and shall not be limited to the 'Declaration Scope' selected in the company information section.

A. This is a declaration to disclose whether a company has a responsible minerals sourcing policy. The answer to this question shall be "yes" or "no." Comments shall be captured in a question comment field.

# This question is mandatory.

B. This is a declaration to disclose whether a company's responsible minerals sourcing policy is available on the company website. The answer to this question shall be "yes" or "no." If "Yes" the user shall specify the URL in a question comment field.

# This question is mandatory.

. This is a declaration to determine whether a company requires their direct suppliers to source 3TG from validated smelters. The nswer to this question shall be "yes" or "no." Comments should be captured in a question comment field.

# This question is mandatory.

D. Please answer "yes" or "no" to disclose whether your company has implemented responsible sourcing due diligence measures. This declaration is not intended to provide the details of a company's due diligence measures - just that a company has implemented due diligence measures. The aspects of acceptable due diligence measures shall be determined by the requestor and supplier.

Examples of due diligence measures may include: communicating and incorporating into contracts (where possible) your expectations to suppliers on responsible mineral supply chair; identifying and assessing risks in the supply chair; designing a implementing a strategy to respond to identified risks; verifying your direct supplier's compliance to Exponsible minerals sourcing policy, etc. These due diligence measure examples are consistent with the guidelines included in the internationally recognized OECD Guidance.

E. This is a question to disclose whether a company requests their supplier to fill out a conflict minerals declaration. Acceptable answers are listed below, in certain cases further explanation may be required, i.e., to provide the format used for collecting information. If the answer is "Yes," using other format the user shall provide a comment in a question comment field. Permissil responses to this question are:

- Yes, in conformance with IPC-1755 [e.g., CMRT] Yes, using other format (describe)

This question is mandatory. F. Please answer "Yes" or "No". In the comments section, you can provide additional information on your approach. Examples co

"3rd party audit" - on-site audits of your suppliers conducted by independent third parties. "Documentation review only" - a reviewof supplier submitted records and documentation conducted by independent third parties

ind, or your company personnel. "Internal audit" - on-site audits of your suppliers conducted by your company personnel.

G. This is a question to disclose whether a company's review process includes corrective action management. The answer to this question shall be "yes" or "no." Comments shall be captured in a question comment field.

This question is mandatory.

1. This is a question to disclose whether a company is subject to the SEC rule, the EU regulation, or both. The answer to this question shall be "yes, with the SEC", "yes, with the EU", "yes with the SEC and the EU" or "no." Comments shall be captured in a question comment field. This question is mandatory. For more information on the SEC rule, please refer to www.sec.gov. For more information on the EU regulation, please refer to https://eur-lex.europa.eu/legal-ontent/EU/TX/PDF/rul-EELEX.32017R03214frome=EV. nstructions for completing the Smelter List Tab rovide answers in ENGLISH only Note: Columns with (\*) are mandatory fields This template allows for smelter identification using the Smelter Look-up. Columns B, and C must be completed in order from left to ght to utilize the Smelter Look-up feature. se a separate line for each metal/smelter/country combination. . Smelter Identification Input Column - If you know the Smelter Identification Number, input the number in Column A (columns B, E, F, G, I, and J will auto-populate). Column A does not autopopulate. Smelter Look-up (\*) - Select from dropdown. This is the list of known smelters as of template release date. If smelter is not listed select 'Smelter Not Listed'. This will allow you to enter the name of the smelter in Column D. If you do not know the name o location of the smelter, select 'Smelter Not Yet Identified'. For this option, columns D and E will autopopulate to say, 'unknown.' Smelter Name (1)- Fill in smelter name if you selected "Smelter Not Listed" in column C. This field will auto-populate when a smelter name in selected in Column C. This field is mandatory. 5. Smelter Country (\*) – This field will auto-populate when a smelter name is selected in column C. If you selected "Smelter Not Listed" in column C, use the pull down menu to select the country location of the smelter. This field is mandatory. 6. Smelter Identification - This is a unique identifier assigned to a smelter or refiner according to an established smelter and refinery identification system. It is expected that multiple names or aliases could be used to describe a single smelter or refiner and therefore multiple names or aliases could be associated to a single 'Smelter ID'. . Source of Smelter Identification Number - This is the source of the Smelter Identification Number entered in Column F. If a melter name was selected in Column C using the dropdown box, this field will auto-populate. 8. Smelter Street - Provide the street name on which the smelter is located. This field is optional. 9. Smelter City – Provide the city name of where the smelter is located. This field is optional. 10. Smelter Location: State/Province, if applicable – Provide the state or province where the smelter is located. This field is optional 11. Smelter Contact Name – The Conflict Minerals Reporting Template (CMRT) is circulated among companies in the requesting company's supply chain to ensure compliance with the OECD Due Diligence Guidance for Responsible Supply Chains of Minerals from Conflict-Affected and High-Risk Areas and the U.S. Securities and Exchange Commission Final Rule on conflict minerals. If the template is circulated in a country where laws protecting personal information exist, sharing personal contact information in the CMRT may violate related regulations. Therefore, it is recommended that the requesting company take precautions such as obtaining the contact person's permission to share the information with other companies in the supply chain when completing 'Smelter Contact Name' and the 'Smelter Contact Email' columns. fyou have permission to share this information, please fill in the name of the Smelter Facility Contact person who you worked 12. Smelter Contact Email – Fill in the email address of the Smelter Facility contact person who was identified as the Smelter Contact Name. Example: John.Smith@SmelterXXX.com. Please review the instructions for Smelter Contact Name before completing this 13. Name of Mine(s) - This field allows a company to define the actual mines being used by the smelter. Please enter the actual mine names if known. If 100% of the smelter's feedstock originates from recycled or scrap sources, enter "Recycled" or "Scrap place of the name of the mine and answer "Yes" in Column P. 'RCOI confirmed as per RMI" may be an acceptable answer to this question. 14. Location (Country) of Mine(s) - This is a free form text field that allows a company to define the location of the mines being used by the smelter. Please enter the country of the mine(s). If the country of origin is not known, enter "Unknown". If 100% of the smelter's feedstock originates from recycled or scrap sources, enter "Recycled" or "Scrap" in place of the country of origin. This field is optional. 'RCOI confirmed as per RMI" may be an acceptable answer to this question. 15. Indicates whether the smelter solely obtains inputs for its smelting process(es) from recycled or scrap sources. This question is optional. Permissible responses to this question are: Unknown 16. Comments – free form text field to enter any comments concerning the smelter. Example: smelter is being acquired by Company BA makes no representations or warranties with respect to the List or any Tool. The List and Tools are provided on an "AS IS" and n an "AS AVAILABLE" basis. RBA hereby disclaims all warranties of any nature, express, implied or otherwise, or arising from trade custom, including, without limitation, any implied warranties of merchantability, non-infringement, quality, title, fitness for a articular purpose, completeness or accuracy. the fullest extent permitted by applicable laws, RBA renounces any liability for any losses, expenses or damages of any nature, cluding, without limitation, special, incidental, punitive, direct, indirect or consequential damages or lost income or profits, sulting from or arising out of the User's use of the List or any Tool, whether arising in tort, contract, statute, or otherwise, even if own that they were advised of the possibility of such damages. In consideration for access and use of the List and/or any Tool, THE USER hereby agrees to and does (a) release and forever discharge RBA, as well as their respective officers, directors, agents, employees, volunteers, representatives, contractors, successors, and assigns, from any and all claims, actions, losess, suits, damages, judgments, levies, and executions, which the User has ever had, has, or ever can, shall, or may have or claim to have against RBA, as well as their respective officers, directors, agents employees, volunteers, representatives, contractors, successors, and assigns, resulting from or arising out of the List or any Tool or use thereof, and agrees to (b) indemnify, defend and hold harmless RBA, as well as their respective officers, directors, agents, employees, volunteers, representatives, contractors, successors, and assigns, from any and all claims, actions, losses, suits, damages, judgments, levies, and executions resulting from or arising out of the USER'S use of the List or any Tool. If any part of any provision of these Terms and Conditions shall be invalid or unenforceable under applicable law, said part shall be deemed ineffective to the extent of such invalidity or unenforceability only, without in any way affecting the remaining parts of said provision of these Terms and Conditions. © 2024 Responsible Minerals Initiative. All rights reserved. evision 6.4 April 26, 2024

TTFM 3TG	DEFINITION Tantalum, tin, tungsten, gold
Authorizer	This field identifies the person responsible for the content of the declaration. The authorizer
Conflict-Affected and High-Risk	may be a different individual from the contact person. It is not correct to use the words "same or similar identification to provide the name of the authorizer. Conflict-affected and high-risk areas are areas in a state of armed conflict, fragile post-conflic
Area (CAHRA)	areas, as well as areas witnessing weak or non-existing governance and security, such as fall states, and widespread and systematic violations of international law, including human rights
	Jahases.  And Grand Market States Inginistion, Dodd-Frank Wall Street Reform and Consumer As defined As, Edon Market States Inginistion, Dodd-Frank Wall Street Reform and Consumer As defined As, Edon Market States Inginistic Residual Construction, 1987 (A) Columbits—Institute (coltan), castifierite, polit, winformite, or their derivatives; or (a) any other mineral or its derivatives determined by the Socretary of State to be financing http://www.scc.gov/about/laws/wallsteetreform-cqa.pdf) (validable at http://www.scc.gov/about/laws/wallsteetreform-cqa.pdf)
Covered Country(les)	Covered Country(ies) as defined by the United State: Bodd-Frant Wall Struct Beform and Consumer Protection Act of 2018. These countries include the Democratic Regulation of the Gon and the nine countries with which it shares an internationally recognized border: Angola, Borrundi, Central African Republic, Republic of the Congo, Rwanday, South Sudan, Tanzania, Uganda, Zambla.
Declaration Scope or Class	For the purposes of this template, "coge" describes the applicability of the information provide by the reporting company. The scope may encompast the entirely of a company's discretion, the template may be used to report on a specific control of the products, or at a company's discretion, the template may be used to report on a specific used to describe any subset of a company's operation or product portfolio.
Dodd-Frank	2010 United States legislation, Dodd-Frank Wall Street Reform and Consumer Protection Act, Section 1502 ("Dodd-Frank") (http://www.sec.gov/about/laws/wallstreetreform-cpa.pdf)
DRC	Democratic Republic of Congo
Gold (Au) refiner (smelter)  Independent Third-Party Audit	agold refiner is a metallurical operation that produces fine gold with a concentration of 99.00 migher from gold and gold-bearing materials with tower concentrations. Refer to the RMAP suiter protocol for this metal for a complete description: http://www.resoundblemineralsinitalistive.ors/smeller-introduction/. With respect to smelter audits, an "Independent Third-Party Audit Firm" is a private sector organization competent in evaluating the smelter or refiner's materials traceability against the
Firm	organization competent in evaluating the smelter or refiner's materials traceability against th standards of the RMAP or equivalent audit protocols. To maintain neutrality and impartiality, such organization and its audit team members must have no conflicts of interest with the auditee.
	Intentionally added is commonly known as the deliberate use of a substance, or in this case metal, in the formulation of a product where continued presence is desired to provide a specif characteristic, appearance or quality.  While the SEC does not define the physics "intentionally added" in the final rule", the rule's preamble states:
	"Type agree that being intentionally added, rather than being a naturally-occurring by product is a significant feetin in determining whether a conflict insignal is "necessary by added the functionality or production" of a product. This is true regardless of which intentionally added the functionality or production will a product the intentional type added the conflict insignal is added directly to the product by the issues or whether it is added to complicate this product that the latesure receives from an thing barry. Instead, the issues should complicate the product that the latesure receives from a thing barry. Instead, the issues should be added to the product that the same receives from a thing barry. Instead, the issues should be added to the product that the same receives from a thing barry. Instead, the issues should be added to the product that the same receives from a thing barry. Instead, the issues should be added to the product that the same receives from a strength of the product that the same receives from a strength of the product that the same receives from a strength of the product that the same receives from a strength of the product that was manufactured from the product that the same receives from a strength of the product that was manufactured from the product that the same receives from a strength of the product that was manufactured from the product that the same receives from the product that was manufactured from the product that the product that the product that the product that the product the product that the produ
IPC	[Seculations]  Fig (www.IF-Carry) is a global industry association based in Bannockburn, III., dedicated to the competitive excellence and financial success of it is 3,400 member companies which represent a second of the competitive excellence and financial success of its 13,400 member companies which represent a second of the competitive excellence and the competitive
IPC-1755 Responsible Sourcing of Minerals Data Exchange Standard	This IPC standard establishes the requirements for exchanging conflict minerals data between suppliers and their customers. To meet the needs of a broad range of users, this standard provides flexibility in the scope of the products covered within a single declaration. This standard is not a zomoliance suide.
Necessary for the Functionality of a Product	The SEC does not provide a formal definition of this phrase in the final rule*, however it provides some quidone, a conflict instead will be considered to be necessary to its functions of the product and is not a naturally-occurring byproduct; 2) is necessary to the product of the product and is not a naturally-occurring byproduct; 2) is necessary to the product of the product and the product an
Necessary for the Production of a Product	"156/296 Federal Register (Vol. 77, No. 177 / Wednesday, September 12, 2012 / Rules and The SEC does not provide a formal definition of this phrase in the final rule*; however, it provides some quidone. A coeffici critical will be considered to be necessary to the product for the product formal definition of the product formal definition of it is included in a tool, machine, or equipment used to produce the product (such as comput power loss); 31 is included in the product (flutt) to contained in the product (to the such power loss); 31 is included in the product (flutt) to contained in the product to be such product (such product flutt). The product (such power loss); 31 is included in the product (flutt) to contained in the product to be such product flutt).
OECD Product	Organisation for Economic Co-operation and Development A company's Product or Finished good is a material or item which has completed the final stag of manufacturing and/or processing and is available for distribution or sale to customers.
RBA Recycled or Scrap Sources	Assemblis Business Allienes (Jeren researchibebusines est)  Recycled or cross pources are recycled metals, that are recibined end-user or post-consumer products, or scrap processed metals created during product manufacturing. Recycled metal includes screep, oblosics, defective, and scrap metal materials that contain enfend or process for a scrap metal materials that contain enfend or process of the scrap metal materials that contain enfend or process. Whereas a partially processed, unprocessed or byproducts from other ones are not included in tildentition of recycled metal.
Responsible Minerals Assurance Process (RMAP)	The Responsible Minerals Assurance Process (RMAP) is a process developed by the RBA to enhance company capability to verify the responsible sourcing of metals. Further details of th RMAP can be found here: http://www.responsiblemineralsinitiative.org/responsible-minerals assurance-orocess/.
Responsible Minerals Initiative	Founded in 2008 by members of the Responsible business Alliance, the Responsible Hinerals Inditable has grown into one of the most utilized and respected resources for companies addressing conflict minerals issues in their supply chains. Over 306 companies from text microbial programmes of the supply conflict of the
RMAP Conformant Smelter List	The Responsible Minerals Assurance Process (RMAP) Conformant Smelter List is a published of smelters and refiners that have undergone assessment from though the RMAP, a program of the Responsible Minerals Initiative (RMI) or industry equivalent program (such as Responsible conformance with the protectols. If a smelter or refiner is not on the list, it has other not completed a RMAP assessment or is not in conformance with the RMAP protocol. A RMAP assessment or in conformance with the RMAP protocol. A RMAP assessment or the refiner which have been validated to be conformant to the RMAP can b found at www.responsibleominerals initiative.org.
SEC	U.S. Securities and Exchange Commission (www.sec.gov)
Smelter	A smelter or refiner is a company that procures and processes mineral ore, slag and/or materials from recycled or scrap sources into refined metal or metal containing intermediate products. The output can be pure (95.5% or greator) metals, powders, injects, bars, grains, oxides or salts. The terms "smelter" and "refiner" are used interchangeably throughout vario publications.
Smelter Identification Number	A unique identification number the RNI assigns to companies that have been reported by members of the supply chain as smelters or refiners, whether or not they have been verified meet the characteristics of smelters or refiners as defined in the RMAP audit protocols.
Tantalum (Ta) smelter	Attainable member (also known as a processor) is defined as a company that converts Ta- containing one, concentrates, stage or secondary materials into stantum intermediate produ- or other stantum containing products for direct sales or further processing into Ta-containing or the stantum of the stage o
Tin (Sn) smelter	http://www.craconsiblemineralsinitiative.org/amether-introduction/. https://www.craconsiblemineralsinitiative.org/amether-introduction/. primary (tin) nembers are companies with noe or more Endities treating in containing ore concentrates in order to produce tin metal. Secondary (tin) smalters are companies with none fracilities that text accordary materials by reduction for the production of order or high order or
Tungsten (W) smelter	A company with one or more facilities that converts W-containing ores (such as wolframite a scheelile). W concentrates, or W-bearing scrap (secondary material) into tungsten containing intermediates such a Ammonium Peta-Tungsteta (APT), ammonium Peta-Tungsteta (APT), ammonium Peta-Tungsteta (APT), products (such as W powder or W-carbide powder), fielder to the RMAP suitir protocol for this metal for a complete description. Https://www.repossibilemierasilinitative.org/smeta-



# **Conflict Minerals Reporting Template (CMRT)**

manuatory netus are noted with an asterisk ( ). C	Company Information	on now to answer each question.
Company Name (*):	Peter Paul Electronics	
Declaration Scope or Class (*):	A. Company	
Description of Scope:		
Company Unique ID:	Peter Paul Electronics	
Company Unique ID Authority:	Peter Paul Electronics	1050
Address: Contact Name (*):	480 John Downey Drive New Britain, CT 0 Amy Majors	16050
Email - Contact (*):	amajors@peterpaul.com	
Phone - Contact (*):	860-229-4884	
Authorizer (*):	Mark Mangiaficio	
Title - Authorizer:	President	
Email - Authorizer (*):	mark mangiafico@peterpaul.com	
Phone - Authorizer:	860-229-4884	
Effective Date (*):	19-Aug-2024	
Answer the following question	ns 1 - 8 based on the declaration scope inc	licated above
1) Is any 3TG intentionally added or used in the product(s) or in the production process? (*)	Answer	Comments
Tantalum	No	·
Tin	No	
Gold	No	
Tungsten	No	
rungsten	NO	
2) Does any 3TG remain in the product(s)?	Answer	Comments
Tantalum		
Tin		
Gold		
Tungsten		
3) Do any of the smelters in your supply chain source the 3TG from the covered countries? (SEC term, see definitions tab)	Answer	Comments
Tantalum	Amawei	Commence
Tin		
Gold		
Tungsten		
$\label{eq:continuous} 4) Do any of the smelters in your supply chain source the 3TG from conflict-affected and high-$		
risk areas?	Answer	Comments
Tantalum		
Tin		
Gold		
Tungsten		
5) Does 100 percent of the 3TG (necessary to the functionality or production of your products) originate from recycled or scrap sources?	Answer	Comments
Tantalum		
Tin		
		-
Gold		
Tungsten		
6) What percentage of relevant suppliers have provided a response to your supply chain		
survey? Tantalum	Answer	Comments
Tin		
Gold		
Tungsten		
7) Have you identified all of the smelters supplying the 3TG to your supply chain?	Answer	Comments
Tantalum		
Tin		
Gold		



H. Is your company required to file an annual conflict minerals disclosure?

### Select Language Preference Here: 遠遠程停的項言: 小용할 언어를 선택하시고 表示言語をここから選択してください: Sélectionner la langue préférée ici:

English

Conflict Minerals Reporting Template (CMRT)

Revision 6.4 A Burse of United Security (1962)

Burse of United Security (1962)

The purpose of this document is to collect sourcing information on tin, tantalum, tungsten and gold used in products

Mandatory fields are noted with an asterisk (\*). Consult the instructions tab for guidance on how to answer each question.

8) Has all applicable smelter information received by your company been reported in this declaration?

Tantalum
Tin
Gold
Tungsten

Answer Comments

Fig. 1964

Tungsten

Answer the Following Questions at a Company Level

Ouestion

A. Have you established a responsible minerals sourcing policy?

E. Do you require your direct suppliers to source the 3TG from smelters whose due diligence practices have been validated by an independent third purty audit program?

F. Do you review due diligence measures for responsible sourcing?

Yes in conformance with IPCLT755 (e.g., 0

F. Do you review due diligence information received from your suppliers against your company's expectations?

Yes in conformance with IPCLT755 (e.g., 0

F. Do you review due diligence information received from your suppliers against your company's expectations?

Yes in conformance with IPCLT755 (e.g., 0

F. Do you review due diligence information received from your suppliers against your company's expectations?

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## TO BEGIN:

Option A: If you know the Smelter Identification Number, input the number in Column A (columns B, C, E, F, G, I and J will auto-populate); D will grey out.

 $Option\ B:\ If\ you\ have\ a\ Metal\ and\ Smelter\ Look-up\ name\ combination, complete\ the\ following\ steps:$ 

Step 1. Select Metal in column B
Step 2. Select from dropdown in column C (wrong combination will trigger RED color)

Option C: If you have a Metal and Smelter Name combination, complete the following steps:

Step 1. Select Metal in column B
Step 2: Select 'Snelter Not Listed' in the Smelter Look-up drop down and complete columns D & E
Step 3. Enter all available smelter information in columns H through Q

(\*) Mandatory fields are noted with an asterisk.

(1) Entry required when Smelter Look-up = "Smelter not listed"

NOTE: A combination of Options A, B and C may be used to complete the Smelter List. Do not alter autopopulated cells. All errors in the Smelter Look-up should be reported to RMI by contacting RMI@responsiblebusiness.org.



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Smelter Identification Number Input Column	Metal (*)	Smelter Look-up (*)	Smelter Name (1)	Smelter Country (*)	Smelter Identification	Source of Smelter Identification Number	Smelter Street	Smelter City	Smelter Facility Location: State / Province
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Smelter Identification Number Input Column	Metal (*)	Smelter Look-up (*)	Smelter Name (1)	Smelter Country (*)	Smelter Identification	Source of Smelter Identification Number	Smelter Street	Smelter City	Smelter Facility Location: State / Province
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## Link to "RMAP Conformant Smelter List"

Revision 6.4 April 26, 2024

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Required Fields	en populated before submitting to your customers rev  Answer provided  Peter Paul Electronics	Notes	Hyperlink to source
	A. Company		
declaration Scope or Class (*):	A. Company	Complete Complete	
iontact Name (*):	Amy Majors	Complete	
mail - Contact (*):	amajors@peterpaul.com	Complete	
hone - Contact (*):	860-229-4884	Complete	
uthorizer (*):	Mark Mangiaficio	Complete	
mail - Authorizer (*):	mark.mangiafico@peterpaul.com	Complete	
ffective Date (*):	19-Aug-2024	Complete	
antalum	No	Complete	
in	No	Complete	
old	No	Complete	
ungsten	No	Complete	
) Does any 3TG remain in the product(s)?			
antalum		Complete	
in		Complete	
old		Complete	
ungsten		Complete	
) Do any of the smelters in your supply chain source he 3TG from the covered countries? (SEC term, see efinitions tab)			
antalum		Complete	
in		Complete	
old		Complete	
ungsten		Complete	
) Do any of the smelters in your supply chain source ne 3TG from conflict-affected and high-risk areas?			
antalium		Complete	
old		Complete	
ungsten		Complete	
) Does 100 percent of the 3TG (necessary to the unctionality or production of your products) originate		S. Serripeter	
nm recerled or coran sources? antalum		Complete	
in		Complete	
old		Complete	
ungsten		Complete	
) What percentage of relevant suppliers have rovided a response to your supply chain survey?			
antalum in		Complete	
old		Complete	
ungsten ) Have you identified all of the smelters supplying the TG to your supply chain?		Complete	
antalum		Complete	
		Complete	
old		Complete	
ungsten		Complete	
) Has all applicable smelter information received by our company been reported in this declaration?			
antalum		Complete	
in		Complete	
old		Complete	
ungsten		Complete	
. Have you established a responsible minerals aurding policy?	Yes	Complete	
. Is your responsible minerals sourcing policy publicly valiable on your website? (Note – If yes, the user hall specify the URL in the comment field.)	Yes	Complete	
he URL in the comment field	www.peterpaul.com	Complete	
. Do you require your direct suppliers to source the TG from smelters whose due diligence practices have seen validated by an independent third party audit ronram?	Yes	Complete	
een validated by an independent third party audit rooram? . Have you implemented due diligence measures for asponsible sourcing?	Yes	Complete	
. Does your company conduct Conflict Minerals	Yes, in conformance with IPC1755 (e.g., CMRT)	Complete	
urvey(s) of your relevant supplier(s)?  Do you review due diligence information received room your suppliers against your company's xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	Yes	Complete	
xpectations?  Does your review process include corrective action lanagement?	Yes	Complete	
. Is your company required to file an annual conflict inerals disclosure?	No	Complete	
roduct List	No products or item numbers listed	Complete	
melter List - Tantalum		Complete	
melter List - Tin		Complete	

## $Completion\ required\ only\ if\ reporting\ level\ "Product\ (or\ List\ of\ Products)"\ selected\ on\ the\ 'Declaration'\ worksheet.$



## Click here to return to Declaration tab

Manufacturer's Product Number (*)	Manufacturer's Product Name	Comments

Manufacturer's Product Number (*)	Manufacturer's Product Name	Comments

Manufacturer's Product Number (*)	Manufacturer's Product Name	Comments

Manufacturer's Product Number (*)	Manufacturer's Product Name	Comments

Manufacturer's Product Number (*)	Manufacturer's Product Name	Comments

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Manufacturer's Product Number (*)	Manufacturer's Product Name	Comments

	Manufacturer's Product Number (*)	Manufacturer's Product Name	Comments
	•	© 2024 Responsible Minerals Initiative. All ric	hts reserved.

The following list represents the RMI's latest smelter name/alias i http://www.responsiblemineralsinitiative.org/responsible-mineral Minerals Assurance Process.

Please refer to the RMI web site www.responsiblemineralsinitiativ

Names included in column B represent company names that are c or other variations. Although the names may not be the RMI Stan

Column C is the list of the official standard smelter names, in the variation is noted in Column B.

## Metal Smelter Look-up (\*)

Gold	8853 S.p.A.
Gold	ABC Refinery Pty Ltd.
Gold	Abington Reldan Metals, LLC
Gold	Advanced Chemical Company
Gold	African Gold Refinery
Gold	Agosi AG
Gold	AGR (Perth Mint Australia)
Gold	AGR Mathey
Gold	Aida Chemical Industries Co., Ltd.
Gold	AKITA Seiren
Gold	Al Etihad Gold LLC
Gold	Al Etihad Gold Refinery DMCC
Gold	Albino Mountinho Lda.
Gold	Alexy Metals
Gold	Allgemeine Gold-und Silberscheideanstalt A.G.
Gold	Almalyk Mining and Metallurgical Complex (AMMC)
Gold	Amagasaki Factory, Hyogo Prefecture, Japan
Gold	AngloGold Ashanti Brazil
Gold	AngloGold Ashanti Corrego do Sitio Mineracao
Gold	AngloGold Ashanti Córrego do Sítio Mineração
Gold	Anhui Tongling Nonferrous Metal Mining Co., Ltd.
Gold	ANZ (Perth Mint 4N)
Gold	ANZ Bank
Gold	Argor-Heraeus S.A.
Gold	Asahi Pretec Corp.
Gold	Asahi Refining Canada Ltd.
Gold	Asahi Refining USA Inc.
Gold	Asaka Riken Co., Ltd.
Gold	ATAkulche
Gold	Atasay Kuyumculuk Sanayi Ve Ticaret A.S.
Gold	Attero Recycling Pvt Ltd
Gold	AU Traders and Refiners
Gold	Augmont Enterprises Private Limited

Gold Aurubis AG

Gold BALORE REFINERSGA
Gold Bangalore Refinery

Gold Bangalore Refinery Pvt Ltd

Gold Bangko Sentral ng Pilipinas (Central Bank of the Philip

Gold Boliden Ronnskar

Gold C. Hafner GmbH + Co. KG

Gold Caridad Gold CCR

Gold CCR Refinery - Glencore Canada Corporation

Gold Cendres + M?taux SA
Gold Cendres + Metaux S.A.
Gold Cendres + Métaux S.A.

Gold Central Bank of the Philippines Gold Refinery & Mint

Gold CGR Metalloys Pvt Ltd.

Gold Chala One Plant Gold Chala One S.A.C.

Gold CHALCO Yunnan Copper Co. Ltd.

Gold Chemmanur Gold Refinery

Gold Chimet S.p.A.

Gold China Henan Zhongyuan Gold Smelter Gold China's Shandong Gold Mining Co., Ltd

Gold Chugai Mining

Gold Coimpa Industrial LTDA

Gold Daye Non-Ferrous Metals Mining Ltd.

Gold DEGUSSA

Gold Degussa Sonne / Mond Goldhandel GmbH

Gold Dijllah Gold Refinery FZC
Gold Do Sung Corporation
Gold Dongwu Gold Group

Gold Dosung metal

Gold Dowa

Gold Dowa Kogyo k.k.

Gold Dowa Metalmine Co. Ltd
Gold Dowa Metals & Mining Co. Ltd
Gold DSC (Do Sung Corporation)

Gold Eco-System Recycling Co., Ltd. East Plant Gold Eco-System Recycling Co., Ltd. North Plant Gold Eco-System Recycling Co., Ltd. West Plant

Gold Ekaterinburg

Gold Elite Industech Co., Ltd. Gold EMC Green Group S.A.

Gold Emerald Jewel Industry India Limited (Unit 1)
Gold Emerald Jewel Industry India Limited (Unit 2)
Gold Emerald Jewel Industry India Limited (Unit 3)
Gold Emerald Jewel Industry India Limited (Unit 4)

Gold Emirates Gold DMCC

Gold Federal State Unitary Enterprise Moscow Special Proce

Gold Fidelity Printers and Refiners Ltd.

Gold FSE Novosibirsk Refinery

Gold Fujairah Gold FZC
Gold Fujairah Refinery

Gold Fujian Zijin mining stock company gold smelter

Gold GG Refinery Ltd.

Gold GGC Gujrat Gold Centre Pvt. Ltd.

Gold Gold by Gold Colombia Gold Gold Coast Refinery

Gold Gold Mining in Shandong (Laizhou) Limited Company

Gold Gold Refinery of Zijin Mining Group Co., Ltd.

Gold Great Wall Precious Metals Co,. LTD.

Gold Great Wall Precious Metals Co., Ltd. of CBPM

Gold Guangdong Gaoyao Co

Gold Guangdong Jinding Gold Limited

Gold Gujarat Gold Centre

Gold Guoda Safina High-Tech Environmental Refinery Co.,

Gold Hangzhou Fuchunjiang Smelting Co., Ltd.

Gold HeeSung Metal Ltd.
Gold Heimerle + Meule GmbH

Gold Henan Zhongyuan Gold Refinery Co., Ltd.

Gold Henan Zhongyuan Gold Smelter of Zhongjin Gold Co.

Gold Henan Zhongyuan Gold Smelter of Zhongjin Gold Cor

Gold Heraeus Germany GmbH Co. KG

Gold Heraeus Ltd. Hong Kong

Gold Heraeus Metals Hong Kong Ltd.

Gold Heraeus Precious Metals GmbH & Co. KG

Gold Hunan Chenzhou Mining Co., Ltd.

Gold Hunan Chenzhou Mining Group Co., Ltd. Gold Hunan Chenzhou Mining Industry Co. Ltd.

Gold Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd.

Gold Hunan Yu Teng Non-Ferrous Metals Co., Ltd.

Gold HwaSeong CJ CO., LTD.

Gold Impala Refineries – Base Metals Refinery (BMR)
Gold Impala Refineries – Platinum Metals Refinery (PMR)

Gold Impala Rustenburg

Gold Inca One (Chala One Plant)
Gold Inca One (Koricancha Plant)
Gold Industrial Refining Company

Gold Inner Mongolia Qiankun Gold and Silver Refinery Shar

Gold International Precious Metal Refiners Gold Ishifuku Metal Industry Co., Ltd.

Gold Istanbul Gold Refinery

Gold Italpreziosi

Gold JALAN & Company

Gold Japan Mint

Gold JCC

Gold Jiangxi Copper Co., Ltd.
Gold Johnson Matthey Canada
Gold Johnson Matthey Inc.
Gold Johnson Matthey Inc. (USA)

Gold Johnson Matthey Limited

Gold JSC Ekaterinburg Non-Ferrous Metal Processing Plant

Gold JSC Novosibirsk Refinery
Gold JSC Uralelectromed

Gold JX Nippon Mining & Metals Co., Ltd.

Gold K.A. Rasmussen

Gold Kaloti Precious Metals

Gold Kazakhmys Smelting LLC

Gold Kazzinc

Gold Kennecott Utah Copper LLC

Gold KGHM Polska Miedz S.A.

Gold KGHM Polska Miedz Spolka Akcyjna Gold KGHM Polska Miedź Spółka Akcyjna

Gold Kochi daiicihi Yamaminami plant Gold Kojima Chemicals Co., Ltd.

Gold Kojima Kagaku Yakuhin Co., Ltd

Gold Kombinat Gorniczo Hutniczy Miedz Polska Miedz S.A.

Gold Korea Zinc Co., Ltd.

Gold Kori Plant Gold Kosak Seiren

Gold KUC

Gold Kundan Care Products Ltd.

Gold Kyrgyzaltyn JSC

Gold Kyshtym Copper-Electrolytic Plant ZAO

Gold La Caridad

Gold LAIZHOU SHANDONG

Gold L'azurde Company For Jewelry

Gold LinBao Gold Mining Gold Lingbao Gold Co., Ltd.

Gold Lingbao Jinyuan Tonghui Refinery Co., Ltd.

Gold L'Orfebre S.A.
Gold LS MnM Inc.
Gold LT Metal Ltd.

Gold Luoyang Zijin Yinhui Gold Refinery Co., Ltd.

Gold Luoyang Zijin Yinhui Gold Smelting
Gold Luoyang Zijin Yinhui Metal Smelt Co Ltd

Gold Marsam Metals

Gold Materion

Gold Matsuda Sangyo Co., Ltd.

Gold MD Overseas

Gold MEM(Sumitomo Group)

Gold Metal Concentrators SA (Pty) Ltd.

Gold Metal?rgica Met-Mex Pe?oles, S.A. de C.V

Gold Metallix Refining Inc.

Gold Metallurgie Hoboken Overpelt

Gold Metalor Switzerland

Gold Metalor Technologies (Hong Kong) Ltd.
Gold Metalor Technologies (Singapore) Pte., Ltd.

Gold Metalor Technologies (Suzhou) Ltd.

Gold Metalor Technologies S.A.

Gold Metalor USA Refining Corporation

Gold Metalurgica Met-Mex Penoles S.A. De C.V. Gold Metalúrgica Met-Mex Peñoles S.A. De C.V.

Gold Met-Mex Pe?oles, S.A. Gold Met-Mex Penoles, S.A.

Gold Mitsubishi Materials Corporation

Gold Mitsui Kinzoku Co., Ltd.

Gold Mitsui Mining and Smelting Co., Ltd.

Gold MKS PAMP SA

Gold MMTC-PAMP India Pvt., Ltd.

Gold Modeltech Sdn Bhd Gold Morris and Watson

Gold Moscow Special Alloys Processing Plant
Gold Nadir Metal Rafineri San. Ve Tic. A.S.
Gold Nadir Metal Rafineri San. Ve Tic. A.Ş.
Gold Navoi Mining and Metallurgical Combinat

Gold NH Recytech Company
Gold Nihon Material Co., Ltd.
Gold NOBLE METAL SERVICES
Gold Nohon Material Corporation
Gold Norddeutsche Affinererie AG

Gold Ogussa Osterreichische Gold- und Silber-Scheideansta Gold Ögussa Österreichische Gold- und Silber-Scheideansta

Gold Ohura Precious Metal Industry Co., Ltd.

Gold OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals P

Gold OJSC Krastsvetmet

Gold OJSC Novosibirsk Refinery

Gold PAMP S.A.

Gold Pan Pacific Copper Co Ltd.

Gold Pease & Curren

Gold Penglai Penggang Gold Industry Co., Ltd.

Gold Perth Mint

Gold Perth Mint (ANZ)

Gold Planta Recuperadora de Metales SpA
Gold Prioksky Plant of Non-Ferrous Metals
Gold Produits Artistiques de Métaux
Gold PT Aneka Tambang (Persero) Tbk

Gold PX Precinox S.A.
Gold PX Précinox S.A.
Gold QG Refining, LLC

Gold Rand Refinery (Pty) Ltd.

Gold Refinery LS-Nikko Copper Inc.
Gold Refinery of Seemine Gold Co., Ltd.

Gold Remondis Argentia B.V.
Gold REMONDIS PMR B.V.
Gold Royal Canadian Mint

Gold SAAMP

Gold Sabin Metal Corp.
Gold Safimet S.p.A
Gold SAFINA A.S.

Gold Saganoseki Smelter & Refinery

Gold Sai Refinery

Gold Sam Precious Metals

Gold Samdok Metal

Gold Samduck Precious Metals
Gold Samwon Metals Corp.
Gold SD (Samdok) Metal

Gold SEMPSA Joyeria Plateria S.A. Gold SEMPSA Joyería Platería S.A. Gold Sempsa JP (Cookson Sempsa)

Gold Shan Dong Huangjin

Gold Shandong Gold Mine(Laizhou) Smelter Co., Ltd.

Gold Shandong Gold Smelting Co., Ltd. Gold Shandong Guoda Gold Co., Ltd.

Gold shandong huangjin

Gold Shandong Humon Smelting Co., Ltd.
Gold Shandong middlings JinYe group Co., LTD
Gold Shandong Tarzan Bio-Gold Industry Co., Ltd.

Gold Shandong Tiancheng Biological Gold Industrial Co., Lt Gold Shandong Zhaojin Gold & Silver Refinery Co., Ltd.

Gold Shangdong Gold (Laizhou)
Gold Shenzhen CuiLu Gold Co., Ltd.

Gold SHENZHEN JINJUNWEI RESOURCE COMPREHENSIVE I Gold Shenzhen Zhonghenglong Real Industry Co., Ltd.

Gold Shirpur Gold Refinery Ltd.
Gold Shonan Plant Tanaka Kikinzoku

Gold Shyolkovsky

Gold Sichuan Tianze Precious Metals Co., Ltd.

Gold Singapore Tanaka

Gold Singway Technology Co., Ltd.

Gold SMM

Gold SOE Shyolkovsky Factory of Secondary Precious Metal

Gold Solar Applied Materials Technology Corp.

Gold SOLAR CHEMICALAPPLIED MATERIALS TECHNOLOGY

Gold Solartech

Gold Sovereign Metals

Gold State Research Institute Center for Physical Sciences

Gold Sudan Gold Refinery

Gold Sumitomo Kinzoku Kozan K.K.
Gold Sumitomo Metal Mining Co., Ltd.

Gold SungEel HiMetal Co., Ltd.

Gold SungEel HiTech

Gold Super Dragon Technology Co., Ltd.

Gold T.C.A S.p.A

Gold Takehara Refinery
Gold Tamano Smelter

Gold Tanaka Denshi Kogyo K.K

Gold Tanaka Electronics (Hong Kong) Pte. Ltd.
Gold TANAKA Electronics (Malaysia) SDN. BHD.
Gold Tanaka Electronics (Singapore) Pte. Ltd.

Gold Tanaka Kikinzoku International Gold Tanaka Kikinzoku Kogyo K.K Gold Tanaka Kikinzoku Kogyo K.K.

Gold Tanaka Precious Metals

Gold The Great Wall Gold and Silver Refinery of China

Gold The Perth Mint

Gold The Refinery of Shandong Gold Mining Co., Ltd.

Gold Tokuriki Honten Co., Ltd.

Gold Tongling Nonferrous Metals Group Co., Ltd.

Gold TongLing Nonferrous Metals Group Holdings Co., Ltd.

Gold Tony Goetz NV

Gold TOO Tau-Ken-Altyn

Gold Torecom

Gold Ubro-Union of Brazilian Refiners

Gold Umicore Precious Metals Refining Hoboken

Gold Umicore Precious Metals Thailand

Gold Umicore S.A. Business Unit Precious Metals Refining

Gold United Precious Metal Refining, Inc.

Gold Valcambi S.A.
Gold WEEEREFINING

Gold Western Australian Mint (T/a The Perth Mint)

Gold WIELAND Edelmetalle GmbH
Gold Williams Advanced Materials

Gold Xstrata

Gold Yamakin Co., Ltd.

Gold Yamamoto Precious Co., Ltd.
Gold Yamamoto Precious Metal Co., Ltd.

Gold Yamamoto Precision Metals

Gold Yantai NUS Safina tech environmental Refinery Co. Lt

Gold Yilida Resources Technology Co., Ltd.

Gold Yokohama Metal Co., Ltd.

Gold Yunnan Copper Industry Co., Ltd. Gold Zhao Jin Mining Industry Co Ltd

Gold Zhao Yuan Gold Mine

Gold Zhao Yuan Gold Smelter of ZhongJin

Gold Zhao Yuan Jin Kuang

Gold Zhaojin Mining Industry Co., Ltd.

Gold zhaojinjinyinyelian Gold Zhaoyuan Gold Group

Gold Zhongjin Gold Corporation Limited

Gold Zhongyuan Gold Smelter of Zhongjin Gold Corporation

Gold Zijin Kuang Ye Refinery

Gold Zijin Mining Industry Corporation

Gold Smelter not listed

Gold Smelter not yet identified

Tantalum 5D Production OU Tantalum 5D Production OÜ

Tantalum AMG Brasil

Tantalum Conghua Tantalum and Niobium Smeltry

Tantalum D Block Metals, LLC

Tantalum F & X

Tantalum F&X Electro-Materials Ltd.
Tantalum FIR Metals & Resource Ltd.
Tantalum Global Advanced Metals Aizu

Tantalum Global Advanced Metals Boyertown

Tantalum Guangdong Rising Rare Metals-EO Materials Ltd.

Tantalum Guangdong Zhiyuan New Material Co., Ltd.

Tantalum H.C. Starck Co., Ltd.
Tantalum H.C. Starck Inc.
Tantalum H.C. Starck Ltd.

Tantalum H.C. Starck Smelting GmbH & Co. KG
Tantalum H.C. Starck Tantalum and Niobium GmbH

Tantalum Hengyang King Xing Lifeng New Materials Co., Ltd.

Tantalum Jiangxi Dinghai Tantalum & Niobium Co., Ltd.

Tantalum Jiangxi Tuohong New Raw Material

Tantalum JiuJiang JinXin Nonferrous Metals Co., Ltd.

Tantalum Jiujiang Nonferrous Metals Smelting Company Limitec

Tantalum Jiujiang Tanbre Co., Ltd.

Tantalum Jiujiang Zhongao Tantalum & Niobium Co., Ltd.

Tantalum KEMET Blue Metals Tantalum KEMET de Mexico Tantalum LSM Brasil S.A.

Tantalum Materion Newton Inc.
Tantalum Metallurgical Products India Pvt. Ltd. (MPIL)

Tantalum Metallurgical Products India Pvt., Ltd.

Tantalum Mineracao Taboca S.A.
Tantalum Mineração Taboca S.A.
Tantalum Mineracao Taboca SA
Tantalum Mineracao Taboca SA
Mitsui Mining & Smelting

Tantalum Mitsui Mining and Smelting Co., Ltd.

Tantalum Molycorp Silmet A.S.

Tantalum Ningxia Non-Ferrous Metal Smeltery
Tantalum Ningxia Orient Tantalum Industry Co., Ltd.

Tantalum NPM Silmet AS Tantalum PowerX Ltd. Tantalum QuantumClean

Tantalum Resind Ind e Com Ltda.

Tantalum Resind Industria e Comercio Ltda. Tantalum Resind Indústria e Comércio Ltda.

Tantalum RFH

Tantalum RFH Tantalum Smeltry Co., Ltd.

Tantalum RFH Yancheng Jinye New Material Technology Co., Ltc

Tantalum Solikamsk

Tantalum Solikamsk Magnesium Works OAO

Tantalum Solikamsk Metal Works Tantalum Taki Chemical Co., Ltd. Tantalum Taki Chemicals

Tantalum TANIOBIS Co., Ltd.
Tantalum TANIOBIS GmbH

Tantalum TANIOBIS Japan Co., Ltd.

Tantalum TANIOBIS Smelting GmbH & Co. KG

Tantalum Telex Metals

Tantalum ULBA

Tantalum Ulba Metallurgical Plant JSC

Tantalum XIMEI RESOURCES (GUANGDONG) LIMITED
Tantalum XinXing HaoRong Electronic Material Co., Ltd.
Tantalum Yancheng Jinye New Material Technology Co., Ltd.
Tantalum Yanling Jincheng Tantalum & Niobium Co., Ltd.

Tantalum Yanling Jincheng Tantalum Co., Ltd.

Tantalum タニオビス・ジャパン株式会社

Tantalum Smelter not listed

Tantalum Smelter not yet identified

Tin Alent plc Tin Alpha

Tin Alpha Metals

Tin Alpha Metals Korea Ltd.
Tin Alpha Metals Taiwan

Tin An Vinh Joint Stock Mineral Processing Company

Tin Aurubis Beerse
Tin Aurubis Berango
Tin Brand IMLI
Tin Brand RBT

Tin Chengfeng Metals Co Pte Ltd

Tin Chenzhou Yun Xiang mining limited liability company
Tin Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.

Tin Chifeng Dajingzi Tin Industry Co., Ltd.

Tin China Tin (Hechi)

Tin China Tin Group Co., Ltd.

Tin China Tin Lai Ben Smelter Co., Ltd.

Tin China Yunnan Tin Co Ltd.

Tin Cookson

Tin Cookson (Alpha Metals Taiwan)

Tin Cookson Alpha Metals (Shenzhen) Co., Ltd.

Tin CRM Fundicao De Metais E Comercio De Equipamento CRM Fundição De Metais E Comércio De Equipamento

Tin CRM Synergies
Tin CV Ayi Jaya
Tin CV Nurjanah

Tin CV Serumpun Sebalai Tin CV Tiga Sekawan Tin CV Venus Inti Perkasa

Tin Dongguan CiEXPO Environmental Engineering Co., Ltc

Tin Dowa

Tin Dowa Metaltech Co., Ltd.

Tin DS Myanmar

Tin Electro-Mechanical Facility of the Cao Bang Minerals 8

Tin EM Vinto

Tin Empresa Metalúrgica Vinto

Tin Empressa Nacional de Fundiciones (ENAF)

Tin ENAF

Tin Estanho de Rondonia S.A. Tin Estanho de Rondônia S.A.

Tin Fabrica Auricchio Tin Fábrica Auricchio

Tin Fabrica Auricchio Industria e Comercio Ltda.

Tin Fenix Metals
Tin Funsur Smelter

Tin Gejiu City Datun Chengfeng Smelter

Tin Gejiu City Fuxiang Industry and Trade Co., Ltd.

Tin Gejiu Fuxiang Gongmao Co., Ltd.

Tin Gejiu Kai Meng Industry and Trade LLC
Tin Gejiu Non-Ferrous Metal Processing Co., Ltd.

Tin Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.

Tin Gejiu Zi-Li

Tin Gejiu Zili Mining And Metallurgy Co., Ltd.
Tin Global Advanced Metals Greenbushes Pty Ltd.

Tin Guang Xi Liu Xhou

Tin Guang Xi Liu Zhou

Tin Guangdong Hanhe Non-Ferrous Metal Co., Ltd.

Tin GuangXi China Tin

Tin Guangxi Hua Shu Dan CO., LTD.
Tin HuiChang Hill Tin Industry Co., Ltd.

Tin Hulterworth Smelter
Tin Ikuno Tin Smelter

Tin INDONESIAN STATE TIN CORPORATION MENTOK SME

Tin Indra Eramulti Logam Tin Jiangxi Nanshan

Tin Jiangxi New Nanshan Technology Ltd.

Tin Kai Union Industry and Trade Co., Ltd. (China)
Tin Kai Unita Trade Limited Liability Company
Tin Kaimeng (Gejiu) Industry and Trade Co., Ltd.

Tin Kundur Smelter
Tin Liuzhhou China Tin

Tin Longnan Chuangyue Environmental Protection Techno

Tin Luna Smelter, Ltd.

Tin Ma'anshan Weitai Tin Co., Ltd.

Tin Magnu's Minerais Metais e Ligas Ltda. Tin Malaysia Smelting Corporation (MSC)

Tin Malaysia Smelting Corporation Berhad (Port Klang)

Tin Melt Metais e Ligas S.A.

Tin Mentok Smelter

Tin Metallic Materials Branch of Guangxi China Tin Group

Tin Metallic Resources, Inc.
Tin Metallo Belgium N.V.
Tin Metallo Spain S.L.U.
Tin Mineracao Taboca S.A.
Tin Mineração Taboca S.A.
Tin Mineracao Taboca SA

Tin Mining and processing tin-tungsten ore Giang Son - V

Tin Mining Minerals Resources SARL

Tin Minsur

Tin Mitsubishi Materials Corporation

Tin Modeltech Sdn Bhd

Tin MSC

Tin Nankang Nanshan Tin Manufactory Co., Ltd.

Tin Nanshan Tin Co. Ltd.

Tin Nghe Tinh Non-Ferrous Metals Joint Stock Company

Tin Novosibirsk Processing Plant Ltd.

Tin Novosibirsk Tin Combine

Tin O.M. Manufacturing (Thailand) Co., Ltd. Tin O.M. Manufacturing Philippines, Inc.

Tin OMSA

Tin Operaciones Metalurgicas S.A.
Tin Operaciones Metalúrgicas S.A.
Tin Pongpipat Company Limited

Tin Precious Minerals and Smelting Limited

Tin PT Aries Kencana Sejahtera Tin PT Artha Cipta Langgeng Tin PT ATD Makmur Mandiri Jaya Tin PT Babel Inti Perkasa

Tin PT Babel Surya Alam Lestari

Tin PT Bangka Prima Tin
Tin PT Bangka Serumpun
Tin PT Bangka Tin Industry

Tin PT Belitung Industri Sejahtera

Tin PT Bukit Timah

Tin PT Cipta Persada Mulia Tin PT Indora Ermulti

Tin PT Indra Eramult Logam Industri

Tin PT Menara Cipta Mulia
Tin PT Mitra Graha Raya
Tin PT Mitra Stania Prima
Tin PT Mitra Sukses Globalindo
Tin PT Panca Mega Persada
Tin PT Premium Tin Indonesia
Tin PT Prima Timah Utama

Tin PT Putera Sarana Shakti (PT PSS)

Tin PT Rajawali Rimba Perkasa

Tin PT Rajehan Ariq

Tin PT Refined Bangka Tin
Tin PT Sariwiguna Binasentosa
Tin PT Stanindo Inti Perkasa
Tin PT Sukses Inti Makmur (SIM)

Tin PT Tambang Timah Tin PT Timah Nusantara Tin PT Timah Tbk Kundur PT Timah Tbk Mentok Tin Tin PT Tinindo Inter Nusa Tin PT Tirus Putra Mandiri Tin PT Tommy Utama Tin Resind Ind e Com Ltda.

Tin Resind Industria e Comercio Ltda.
Tin Resind Indústria e Comércio Ltda.

Tin RIKAYAA GREENTECH PRIVATE LIMITED

Tin Rui Da Hung

Tin Smelting Branch of Yunnan Tin Company Ltd

Tin Super Ligas

Tin Takehara PVD Materials Plant / PVD Materials Division

Tin Thai Solder Industry Corp., Ltd.
Tin Thailand Smelting & Refining Co Ltd

Tin Thaisarco

Tin The Gejiu cloud new colored electrolytic
Tin Tin Products Manufacturing Co.LTD. of YTCL
Tin Tin Smelting Branch of Yunnan Tin Co., Ltd.

Tin Tin Technology & Refining Tin Toboca/ Paranapenema

Tin Tuyen Quang Non-Ferrous Metals Joint Stock Compan

Tin Unit Timah Kundur PT Tambang
Tin VQB Mineral and Trading Group JSC

Tin White Solder Metalurgia e Mineracao Ltda. Tin White Solder Metalurgia e Mineração Ltda. Tin White Solder Metalurgica

Tin Woodcross Smelting Company Limited
Tin XiHai - Liuzhou China Tin Group Co ltd

Tin YTCL

Tin Yunan Gejiu Yunxin Electrolyze Limited

Tin Yunnan Adventure Co., Ltd.

Tin Yunnan Chengfeng

Tin Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Tin YunNan Gejiu Yunxin Electrolyze Limited
Tin Yunnan Gejiu Zili Metallurgy Co. Ltd.
Tin Yunnan ride non-ferrous metal co., LTD

Tin Yunnan Tin Company Limited Tin Yunnan Tin Company, Ltd.

Tin Yunnan wind Nonferrous Metals Co., Ltd.

Tin Yunnan Xi YE

Tin Yunnan Yunfan Non-ferrous Metals Co., Ltd.

Tin Yuntinic Resources

Tin YUNXIN colored electrolysis Company Limited

Tin 云南锡业股份有限公司锡业分公司

Tin Smelter not listed

Tin Smelter not yet identified

Tungsten A.L.M.T. Corp.

Tungsten A.L.M.T. TUNGSTEN Corp.

Tungsten ACL Metais Eireli

Tungsten Albasteel Industria e Comercio de Ligas Para Fundicac

Tungsten Allied Material Corporation

Tungsten ALMT Corp

Tungsten ALMT Sumitomo Group

Tungsten Artek LLC

Tungsten Asia Tungsten Products Vietnam Ltd.

Tungsten ATI Metalworking Products
Tungsten ATI Tungsten Materials

Tungsten Chaozhou Xianglu Tungsten Industry Co., Ltd. Tungsten Chenzhou Diamond Tungsten Products Co., Ltd.

Tungsten China Molybdenum Co., Ltd.

Tungsten China Molybdenum Tungsten Co., Ltd.

Tungsten China MuYe Tungsten Co,. Ltd.

Tungsten Chongyi Zhangyuan Tungsten Co., Ltd.

Tungsten CNMC (Guangxi) PGMA Co., Ltd.

Tungsten Cronimet Brasil Ltda

Tungsten DONGKUK INDUSTRIES CO., LTD.

Tungsten Fujian Xinlu Tungsten

Tungsten Fujian Xinlu Tungsten Co., Ltd.

Tungsten Ganzhou Jiangwu Ferrotungsten Co., Ltd. Tungsten Ganzhou Seadragon W & Mo Co., Ltd.

Tungsten GEM Co., Ltd.

Tungsten Global Tungsten & Powders LLC

Tungsten GTP

Tungsten Guangdong Xianglu Tungsten Co., Ltd. Tungsten H.C. Starck Smelting GmbH & Co. KG

Tungsten H.C. Starck Tungsten GmbH

Tungsten Han River Pelican State Alloy Co., Ltd.

Tungsten HANNAE FOR T Co., Ltd.

Tungsten Hubei Green Tungsten Co., Ltd.

Tungsten Human Chun-Chang non-ferrous Smelting & Concentr

Tungsten Hunan Chenzhou Mining Co., Ltd.

Tungsten Hunan Chenzhou Mining Group Co., Ltd.

Tungsten Hunan Chunchang Nonferrous Metals Co., Ltd.

Tungsten Hunan Jintai New Material Co., Ltd.

Tungsten Hunan Shizhuyuan Nonferrous Metals Co., Ltd. Chenz

Tungsten Hydrometallurg, JSC

Tungsten Japan New Metals Co., Ltd.

Tungsten Jiangwu H.C. Starck Tungsten Products Co., Ltd.

Tungsten Jiangxi Gan Bei Tungsten Co., Ltd.

Tungsten Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd Tungsten Jiangxi Tonggu Non-ferrous Metallurgical & Chemical

Tungsten Jiangxi Xinsheng Tungsten Industry Co., Ltd.

Tungsten Jiangxi Yaosheng Tungsten Co., Ltd.

Tungsten Jingmen Dewei GEM Tungsten Resources Recycling Co

Tungsten JSC "Kirovgrad Hard Alloys Plant"
Tungsten Kenee Mining Corporation Vietnam

Tungsten Kennametal Fallon
Tungsten Kennametal Huntsville
Tungsten Lianyou Metals Co., Ltd.
Tungsten Lianyou Resources Co., Ltd.

Tungsten LLC Vostok

Tungsten MALAMET SMELTING SDN. BHD. Tungsten Malipo Haiyu Tungsten Co., Ltd.

Tungsten Masan High-Tech Materials

Tungsten Masan Tungsten Chemical LLC (MTC)

Tungsten Moliren Ltd.

Tungsten Nam Viet Cromit Joint Stock Company

Tungsten Nan Viet Ferrochrome Co., Ltd.

Tungsten Niagara Refining LLC
Tungsten NPP Tyazhmetprom LLC

Tungsten Nui Phao H.C. Starck Tungsten Chemicals Manufacturi

Tungsten OOO "Technolom" 1 Tungsten OOO "Technolom" 2

Tungsten Philippine Bonway Manufacturing Industrial Corporation

Tungsten Philippine Carreytech Metal Corp.

Tungsten Philippine Chuangxin Industrial Co., Inc.

Tungsten Shinwon Tungsten (Fujian Shanghang) Co., Ltd.

Tungsten TANIOBIS Smelting GmbH & Co. KG

Tungsten Tungsten Vietnam Joint Stock Company

Tungsten Unecha Refractory metals plant

Tungsten WBH

Tungsten WBH, Wolfram [Austria]

Tungsten Wolfram Bergbau und Hutten AG Tungsten Wolfram Bergbau und Hütten AG

Tungsten Xiamen H.C.

Tungsten Xiamen Tungsten (H.C.) Co., Ltd.

Tungsten Xiamen Tungsten Co., Ltd.

Tungsten YUDU ANSHENG TUNGSTEN CO., LTD.

Tungsten Zhangyuan Tungsten Co Ltd

Tungsten 洛阳栾川钼业集团钨业有限公司 Tungsten Smelter not listed Tungsten Smelter not yet identified

nformation as of this templates release. This list is updated frequently, and the s-assurance-process/exports/cmrt-export/. The presence of a smelter here is NC

e.org for the most current and accurate list of standard smelter names that are A

commonly recognized and reported by the supply chain for a particular smelter. I idard Smelter Name, the reference names are helpful to identify the smelter, whi

ASCII character set. The majority of smelters will have the same entry for both (

## **Standard Smelter Names**

8853 S.p.A.

ABC Refinery Pty Ltd.

Abington Reldan Metals, LLC

Advanced Chemical Company

African Gold Refinery

Agosi AG

Western Australian Mint (T/a The Perth Mint)

Western Australian Mint (T/a The Perth Mint)

Aida Chemical Industries Co., Ltd.

Dowa

Al Etihad Gold Refinery DMCC

Al Etihad Gold Refinery DMCC

Albino Mountinho Lda.

Alexy Metals

Agosi AG

Almalyk Mining and Metallurgical Complex (AMMC)

Asahi Pretec Corp.

AngloGold Ashanti Corrego do Sitio Mineracao

AngloGold Ashanti Corrego do Sitio Mineracao

AngloGold Ashanti Corrego do Sitio Mineracao

Tongling Nonferrous Metals Group Co., Ltd.

Western Australian Mint (T/a The Perth Mint)

Western Australian Mint (T/a The Perth Mint)

Argor-Heraeus S.A.

Asahi Pretec Corp.

Asahi Refining Canada Ltd.

Asahi Refining USA Inc.

Asaka Riken Co., Ltd.

Atasay Kuyumculuk Sanayi Ve Ticaret A.S.

Atasay Kuyumculuk Sanayi Ve Ticaret A.S.

Attero Recycling Pvt Ltd

**AU Traders and Refiners** 

Augmont Enterprises Private Limited

Aurubis AG

Bangalore Refinery

Bangalore Refinery

Bangalore Refinery

Bangko Sentral ng Pilipinas (Central Bank of the Philippines)

Boliden Ronnskar

C. Hafner GmbH + Co. KG

Caridad

CCR Refinery - Glencore Canada Corporation

CCR Refinery - Glencore Canada Corporation

Cendres + Metaux S.A.

Cendres + Metaux S.A.

Cendres + Metaux S.A.

Bangko Sentral ng Pilipinas (Central Bank of the Philippines)

CGR Metalloys Pvt Ltd.

Inca One (Chala One Plant)

Inca One (Chala One Plant)

Yunnan Copper Industry Co., Ltd.

CGR Metalloys Pvt Ltd.

Chimet S.p.A.

Zhongyuan Gold Smelter of Zhongjin Gold Corporation

Shandong Gold Smelting Co., Ltd.

Chugai Mining

Coimpa Industrial LTDA

Daye Non-Ferrous Metals Mining Ltd.

Degussa Sonne / Mond Goldhandel GmbH

Degussa Sonne / Mond Goldhandel GmbH

Dijllah Gold Refinery FZC

DSC (Do Sung Corporation)

Dongwu Gold Group

DSC (Do Sung Corporation)

Dowa

Dowa

Dowa

Dowa

DSC (Do Sung Corporation)

Eco-System Recycling Co., Ltd. East Plant

Eco-System Recycling Co., Ltd. North Plant

Eco-System Recycling Co., Ltd. West Plant

JSC Ekaterinburg Non-Ferrous Metal Processing Plant

Elite Industech Co., Ltd.

Inca One (Koricancha Plant)

Emerald Jewel Industry India Limited (Unit 1)

Emerald Jewel Industry India Limited (Unit 2)

Emerald Jewel Industry India Limited (Unit 3)

Emerald Jewel Industry India Limited (Unit 4)

**Emirates Gold DMCC** 

Moscow Special Alloys Processing Plant

Fidelity Printers and Refiners Ltd.

JSC Novosibirsk Refinery

Fujairah Gold FZC

Fujairah Gold FZC

Gold Refinery of Zijin Mining Group Co., Ltd.

GG Refinery Ltd.

GGC Gujrat Gold Centre Pvt. Ltd.

Gold by Gold Colombia

Gold Coast Refinery

Shandong Gold Smelting Co., Ltd.

Gold Refinery of Zijin Mining Group Co., Ltd.

Great Wall Precious Metals Co., Ltd. of CBPM

Great Wall Precious Metals Co., Ltd. of CBPM

Guangdong Jinding Gold Limited

Guangdong Jinding Gold Limited

GGC Gujrat Gold Centre Pvt. Ltd.

Guoda Safina High-Tech Environmental Refinery Co., Ltd.

Hangzhou Fuchunjiang Smelting Co., Ltd.

LT Metal Ltd.

Heimerle + Meule GmbH

Zhongyuan Gold Smelter of Zhongjin Gold Corporation

Zhongyuan Gold Smelter of Zhongjin Gold Corporation

Zhongyuan Gold Smelter of Zhongjin Gold Corporation

Heraeus Germany GmbH Co. KG

Heraeus Metals Hong Kong Ltd.

Heraeus Metals Hong Kong Ltd.

Heraeus Germany GmbH Co. KG

Hunan Chenzhou Mining Co., Ltd.

Hunan Chenzhou Mining Co., Ltd.

Hunan Chenzhou Mining Co., Ltd.

Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd.

Hunan Guiyang yinxing Nonferrous Smelting Co., Ltd.

HwaSeong CJ CO., LTD.

Impala Refineries – Base Metals Refinery (BMR)

Impala Refineries – Platinum Metals Refinery (PMR)

Impala Rustenburg

Inca One (Chala One Plant)

Inca One (Koricancha Plant)

Industrial Refining Company

Inner Mongolia Qiankun Gold and Silver Refinery Share Co., Ltd.

International Precious Metal Refiners

Ishifuku Metal Industry Co., Ltd.

Istanbul Gold Refinery

Italpreziosi

JALAN & Company

Japan Mint

Jiangxi Copper Co., Ltd.

Jiangxi Copper Co., Ltd.

Asahi Refining Canada Ltd.

Asahi Refining USA Inc.

Asahi Refining USA Inc.

Asahi Refining Canada Ltd.

JSC Ekaterinburg Non-Ferrous Metal Processing Plant

JSC Novosibirsk Refinery

JSC Uralelectromed

JX Nippon Mining & Metals Co., Ltd.

K.A. Rasmussen

Kaloti Precious Metals

Kazakhmys Smelting LLC

Kazzinc

Kennecott Utah Copper LLC

KGHM Polska Miedz Spolka Akcyjna

KGHM Polska Miedz Spolka Akcyjna

KGHM Polska Miedz Spolka Akcyjna

Yamakin Co., Ltd.

Kojima Chemicals Co., Ltd.

Kojima Chemicals Co., Ltd.

KGHM Polska Miedz Spolka Akcyjna

Korea Zinc Co., Ltd.

Inca One (Koricancha Plant)

Dowa

Kennecott Utah Copper LLC

Kundan Care Products Ltd.

Kyrgyzaltyn JSC

Kyshtym Copper-Electrolytic Plant ZAO

Caridad

Shandong Gold Smelting Co., Ltd.

L'azurde Company For Jewelry

Lingbao Gold Co., Ltd.

Lingbao Gold Co., Ltd.

Lingbao Jinyuan Tonghui Refinery Co., Ltd.

L'Orfebre S.A.

LS MnM Inc.

LT Metal Ltd.

Luoyang Zijin Yinhui Gold Refinery Co., Ltd.

Luoyang Zijin Yinhui Gold Refinery Co., Ltd.

Luoyang Zijin Yinhui Gold Refinery Co., Ltd.

Marsam Metals

Materion

Matsuda Sangyo Co., Ltd.

MD Overseas

Sumitomo Metal Mining Co., Ltd.

Metal Concentrators SA (Pty) Ltd.

Metalurgica Met-Mex Penoles S.A. De C.V.

Metallix Refining Inc.

Umicore S.A. Business Unit Precious Metals Refining

Metalor Technologies S.A.

Metalor Technologies (Hong Kong) Ltd.

Metalor Technologies (Singapore) Pte., Ltd.

Metalor Technologies (Suzhou) Ltd.

Metalor Technologies S.A.

Metalor USA Refining Corporation

Metalurgica Met-Mex Penoles S.A. De C.V.

Mitsubishi Materials Corporation

Mitsui Mining and Smelting Co., Ltd.

Mitsui Mining and Smelting Co., Ltd.

MKS PAMP SA

MMTC-PAMP India Pvt., Ltd.

Modeltech Sdn Bhd

Morris and Watson

Moscow Special Alloys Processing Plant

Nadir Metal Rafineri San. Ve Tic. A.S.

Nadir Metal Rafineri San. Ve Tic. A.S.

Navoi Mining and Metallurgical Combinat

NH Recytech Company

Nihon Material Co., Ltd.

NOBLE METAL SERVICES

Nihon Material Co., Ltd.

Aurubis AG

Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH

Ogussa Osterreichische Gold- und Silber-Scheideanstalt GmbH

Ohura Precious Metal Industry Co., Ltd.

OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)

OJSC "The Gulidov Krasnoyarsk Non-Ferrous Metals Plant" (OJSC Krastsvetmet)

JSC Novosibirsk Refinery

MKS PAMP SA

JX Nippon Mining & Metals Co., Ltd.

Pease & Curren

Penglai Penggang Gold Industry Co., Ltd.

Western Australian Mint (T/a The Perth Mint)

Western Australian Mint (T/a The Perth Mint)

Planta Recuperadora de Metales SpA

Prioksky Plant of Non-Ferrous Metals

MKS PAMP SA

PT Aneka Tambang (Persero) Tbk

PX Precinox S.A.

PX Precinox S.A.

QG Refining, LLC

Rand Refinery (Pty) Ltd.

LS MnM Inc.

Refinery of Seemine Gold Co., Ltd.

REMONDIS PMR B.V.

REMONDIS PMR B.V.

Royal Canadian Mint

SAAMP

Sabin Metal Corp.

Safimet S.p.A

SAFINA A.S.

JX Nippon Mining & Metals Co., Ltd.

Sai Refinery

Sam Precious Metals

Samduck Precious Metals

Samduck Precious Metals

Samwon Metals Corp.

Samduck Precious Metals

SEMPSA Joyeria Plateria S.A.

SEMPSA Joyeria Plateria S.A.

SEMPSA Joyeria Plateria S.A.

Shandong Gold Smelting Co., Ltd.

Shandong Gold Smelting Co., Ltd.

Shandong Gold Smelting Co., Ltd.

Guoda Safina High-Tech Environmental Refinery Co., Ltd.

Shandong Gold Smelting Co., Ltd.

Shandong Humon Smelting Co., Ltd.

Shandong Gold Smelting Co., Ltd.

Shandong Tiancheng Biological Gold Industrial Co., Ltd.

Shandong Tiancheng Biological Gold Industrial Co., Ltd.

Shandong Zhaojin Gold & Silver Refinery Co., Ltd.

Shandong Gold Smelting Co., Ltd.

Shenzhen CuiLu Gold Co., Ltd.

SHENZHEN JINJUNWEI RESOURCE COMPREHENSIVE DEVELOPMENT CO., LTD.

Shenzhen Zhonghenglong Real Industry Co., Ltd.

Shirpur Gold Refinery Ltd.

Tanaka Kikinzoku Kogyo K.K.

SOE Shyolkovsky Factory of Secondary Precious Metals

Sichuan Tianze Precious Metals Co., Ltd.

Tanaka Kikinzoku Kogyo K.K.

Singway Technology Co., Ltd.

Sumitomo Metal Mining Co., Ltd.

SOE Shyolkovsky Factory of Secondary Precious Metals

Solar Applied Materials Technology Corp.

Solar Applied Materials Technology Corp.

Solar Applied Materials Technology Corp.

Sovereign Metals

State Research Institute Center for Physical Sciences and Technology

Sudan Gold Refinery

Sumitomo Metal Mining Co., Ltd.

Sumitomo Metal Mining Co., Ltd.

SungEel HiMetal Co., Ltd.

SungEel HiMetal Co., Ltd.

Super Dragon Technology Co., Ltd.

T.C.A S.p.A

Mitsui Mining and Smelting Co., Ltd.

JX Nippon Mining & Metals Co., Ltd.

Tanaka Kikinzoku Kogyo K.K.

Great Wall Precious Metals Co., Ltd. of CBPM

Western Australian Mint (T/a The Perth Mint)

Shandong Gold Smelting Co., Ltd.

Tokuriki Honten Co., Ltd.

Tongling Nonferrous Metals Group Co., Ltd.

Tongling Nonferrous Metals Group Co., Ltd.

Industrial Refining Company

TOO Tau-Ken-Altyn

Torecom

Marsam Metals

Umicore S.A. Business Unit Precious Metals Refining

Umicore Precious Metals Thailand

Umicore S.A. Business Unit Precious Metals Refining

United Precious Metal Refining, Inc.

Valcambi S.A.

WEEEREFINING

Western Australian Mint (T/a The Perth Mint)

WIELAND Edelmetalle GmbH

Materion

CCR Refinery - Glencore Canada Corporation

Yamakin Co., Ltd.

Yamakin Co., Ltd.

Yamakin Co., Ltd.

Yamakin Co., Ltd.

Guoda Safina High-Tech Environmental Refinery Co., Ltd.

Elite Industech Co., Ltd.

Yokohama Metal Co., Ltd.

Yunnan Copper Industry Co., Ltd.

Shandong Zhaojin Gold & Silver Refinery Co., Ltd.

Zhongyuan Gold Smelter of Zhongjin Gold Corporation

Zhongyuan Gold Smelter of Zhongjin Gold Corporation

Gold Refinery of Zijin Mining Group Co., Ltd.

Gold Refinery of Zijin Mining Group Co., Ltd.

## Unknown

5D Production OU

5D Production OU

**AMG Brasil** 

Guangdong Rising Rare Metals-EO Materials Ltd.

D Block Metals, LLC

F&X Electro-Materials Ltd.

F&X Electro-Materials Ltd.

FIR Metals & Resource Ltd.

Global Advanced Metals Aizu

Global Advanced Metals Boyertown

Guangdong Rising Rare Metals-EO Materials Ltd.

XIMEI RESOURCES (GUANGDONG) LIMITED

TANIOBIS Co., Ltd.

Materion Newton Inc.

TANIOBIS Japan Co., Ltd.

TANIOBIS Smelting GmbH & Co. KG

TANIOBIS GmbH

Hengyang King Xing Lifeng New Materials Co., Ltd.

Jiangxi Dinghai Tantalum & Niobium Co., Ltd.

Jiangxi Tuohong New Raw Material

JiuJiang JinXin Nonferrous Metals Co., Ltd.

Jiujiang Tanbre Co., Ltd.

Jiujiang Tanbre Co., Ltd.

Jiujiang Zhongao Tantalum & Niobium Co., Ltd.

KEMET de Mexico

KEMET de Mexico

AMG Brasil

Materion Newton Inc.

Metallurgical Products India Pvt., Ltd.

Metallurgical Products India Pvt., Ltd.

Mineracao Taboca S.A.

Mineracao Taboca S.A.

Mineracao Taboca S.A.

Mitsui Mining and Smelting Co., Ltd.

Mitsui Mining and Smelting Co., Ltd.

NPM Silmet AS

Ningxia Orient Tantalum Industry Co., Ltd.

Ningxia Orient Tantalum Industry Co., Ltd.

NPM Silmet AS

PowerX Ltd.

QuantumClean

Resind Industria e Comercio Ltda.

Resind Industria e Comercio Ltda.

Resind Industria e Comercio Ltda.

Yanling Jincheng Tantalum & Niobium Co., Ltd.

Yanling Jincheng Tantalum & Niobium Co., Ltd.

RFH Yancheng Jinye New Material Technology Co., Ltd.

Solikamsk Magnesium Works OAO

Solikamsk Magnesium Works OAO

Solikamsk Magnesium Works OAO

Taki Chemical Co., Ltd.

Taki Chemical Co., Ltd.

TANIOBIS Co., Ltd.

**TANIOBIS GmbH** 

TANIOBIS Japan Co., Ltd.

TANIOBIS Smelting GmbH & Co. KG

Telex Metals

Ulba Metallurgical Plant JSC

Ulba Metallurgical Plant JSC

XIMEI RESOURCES (GUANGDONG) LIMITED

XinXing HaoRong Electronic Material Co., Ltd.

RFH Yancheng Jinye New Material Technology Co., Ltd.

Yanling Jincheng Tantalum & Niobium Co., Ltd.

Yanling Jincheng Tantalum & Niobium Co., Ltd.

TANIOBIS Japan Co., Ltd.

Unknown

Alpha

Alpha

Alpha

Alpha

Alpha

An Vinh Joint Stock Mineral Processing Company

Aurubis Beerse

Aurubis Berango

PT Bukit Timah

PT Refined Bangka Tin

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.

Chenzhou Yunxiang Mining and Metallurgy Co., Ltd.

Chifeng Dajingzi Tin Industry Co., Ltd.

China Tin Group Co., Ltd.

China Tin Group Co., Ltd.

China Tin Group Co., Ltd.

Tin Smelting Branch of Yunnan Tin Co., Ltd.

Alpha

Alpha

Alpha

CRM Fundicao De Metais E Comercio De Equipamentos Eletronicos Do Brasil Ltda

CRM Fundicao De Metais E Comercio De Equipamentos Eletronicos Do Brasil Ltda

**CRM Synergies** 

CV Ayi Jaya

PT Aries Kencana Sejahtera

PT Premium Tin Indonesia

PT Rajehan Ariq

CV Venus Inti Perkasa

Dongguan CiEXPO Environmental Engineering Co., Ltd.

Dowa

Dowa

DS Myanmar

Electro-Mechanical Facility of the Cao Bang Minerals & Metallurgy Joint Stock Co

**EM Vinto** 

**EM Vinto** 

**EM Vinto** 

EM Vinto

Estanho de Rondonia S.A.

Estanho de Rondonia S.A.

Fabrica Auricchio Industria e Comercio Ltda.

Fabrica Auricchio Industria e Comercio Ltda.

Fabrica Auricchio Industria e Comercio Ltda.

Fenix Metals

Minsur

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Gejiu City Fuxiang Industry and Trade Co., Ltd.

Gejiu City Fuxiang Industry and Trade Co., Ltd.

Gejiu Kai Meng Industry and Trade LLC

Gejiu Non-Ferrous Metal Processing Co., Ltd.

Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.

Gejiu Zili Mining And Metallurgy Co., Ltd.

Gejiu Zili Mining And Metallurgy Co., Ltd.

Global Advanced Metals Greenbushes Pty Ltd.

China Tin Group Co., Ltd.

China Tin Group Co., Ltd.

Guangdong Hanhe Non-Ferrous Metal Co., Ltd.

China Tin Group Co., Ltd.

China Tin Group Co., Ltd.

HuiChang Hill Tin Industry Co., Ltd.

Malaysia Smelting Corporation (MSC)

Mitsubishi Materials Corporation

PT Timah Tbk Mentok

PT Bukit Timah

Jiangxi New Nanshan Technology Ltd.

Jiangxi New Nanshan Technology Ltd.

Gejiu Kai Meng Industry and Trade LLC

Gejiu Kai Meng Industry and Trade LLC

Gejiu Kai Meng Industry and Trade LLC

PT Timah Tbk Kundur

China Tin Group Co., Ltd.

Longnan Chuangyue Environmental Protection Technology Development Co., Ltd

Luna Smelter, Ltd.

Ma'anshan Weitai Tin Co., Ltd.

Magnu's Minerais Metais e Ligas Ltda.

Malaysia Smelting Corporation (MSC)

Malaysia Smelting Corporation Berhad (Port Klang)

Melt Metais e Ligas S.A.

PT Timah Tbk Mentok

China Tin Group Co., Ltd.

Metallic Resources, Inc.

Aurubis Beerse

Aurubis Berango

Mineracao Taboca S.A.

Mineracao Taboca S.A.

Mineracao Taboca S.A.

VQB Mineral and Trading Group JSC

Mining Minerals Resources SARL

Minsur

Mitsubishi Materials Corporation

Modeltech Sdn Bhd

Malaysia Smelting Corporation (MSC)

Jiangxi New Nanshan Technology Ltd.

Jiangxi New Nanshan Technology Ltd.

Nghe Tinh Non-Ferrous Metals Joint Stock Company

Novosibirsk Tin Combine

Novosibirsk Tin Combine

O.M. Manufacturing (Thailand) Co., Ltd.

O.M. Manufacturing Philippines, Inc.

Operaciones Metalurgicas S.A.

Operaciones Metalurgicas S.A.

Operaciones Metalurgicas S.A.

Pongpipat Company Limited

Precious Minerals and Smelting Limited

PT Aries Kencana Sejahtera

PT Artha Cipta Langgeng

PT ATD Makmur Mandiri Jaya

- PT Babel Inti Perkasa
- PT Babel Surya Alam Lestari
- PT Bangka Prima Tin
- PT Bangka Serumpun
- PT Bangka Tin Industry
- PT Belitung Industri Sejahtera
- PT Bukit Timah
- PT Cipta Persada Mulia
- PT Bukit Timah
- PT Bukit Timah
- PT Menara Cipta Mulia
- PT Mitra Graha Raya
- PT Mitra Stania Prima
- PT Mitra Sukses Globalindo
- PT Panca Mega Persada
- PT Premium Tin Indonesia
- PT Prima Timah Utama
- PT Putera Sarana Shakti (PT PSS)
- PT Rajawali Rimba Perkasa
- PT Rajehan Ariq
- PT Refined Bangka Tin
- PT Sariwiguna Binasentosa
- PT Stanindo Inti Perkasa
- PT Sukses Inti Makmur (SIM)
- PT Timah Tbk Kundur
- PT Timah Nusantara
- PT Timah Tbk Kundur
- PT Timah Tbk Mentok
- PT Tinindo Inter Nusa
- PT Tirus Putra Mandiri
- PT Tommy Utama
- Resind Industria e Comercio Ltda.
- Resind Industria e Comercio Ltda.
- Resind Industria e Comercio Ltda.
- RIKAYAA GREENTECH PRIVATE LIMITED
- Rui Da Hung
- Tin Smelting Branch of Yunnan Tin Co., Ltd.
- Super Ligas
- Takehara PVD Materials Plant / PVD Materials Division of MITSUI MINING & SME
- Thaisarco
- Thaisarco
- Thaisarco
- Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.
- Tin Smelting Branch of Yunnan Tin Co., Ltd.
- Tin Smelting Branch of Yunnan Tin Co., Ltd.
- Tin Technology & Refining
- Mineracao Taboca S.A.
- Tuyen Quang Non-Ferrous Metals Joint Stock Company
- PT Timah Tbk Kundur
- VQB Mineral and Trading Group JSC
- White Solder Metalurgia e Mineracao Ltda.
- White Solder Metalurgia e Mineracao Ltda.

White Solder Metalurgia e Mineracao Ltda.

Woodcross Smelting Company Limited

China Tin Group Co., Ltd.

Tin Smelting Branch of Yunnan Tin Co., Ltd.

Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.

Gejiu Zili Mining And Metallurgy Co., Ltd.

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Tin Smelting Branch of Yunnan Tin Co., Ltd.

Tin Smelting Branch of Yunnan Tin Co., Ltd.

Yunnan Chengfeng Non-ferrous Metals Co., Ltd.

Tin Smelting Branch of Yunnan Tin Co., Ltd.

Yunnan Yunfan Non-ferrous Metals Co., Ltd.

Tin Smelting Branch of Yunnan Tin Co., Ltd.

Gejiu Yunxin Nonferrous Electrolysis Co., Ltd.

Tin Smelting Branch of Yunnan Tin Co., Ltd.

## Unknown

A.L.M.T. Corp.

A.L.M.T. Corp.

ACL Metais Eireli

Albasteel Industria e Comercio de Ligas Para Fundicao Ltd.

A.L.M.T. Corp.

A.L.M.T. Corp.

A.L.M.T. Corp.

Artek LLC

Asia Tungsten Products Vietnam Ltd.

Kennametal Huntsville

Kennametal Huntsville

Guangdong Xianglu Tungsten Co., Ltd.

Hunan Shizhuyuan Nonferrous Metals Co., Ltd. Chenzhou Tungsten Products Bra

China Molybdenum Tungsten Co., Ltd.

China Molybdenum Tungsten Co., Ltd.

China Molybdenum Tungsten Co., Ltd.

Chongyi Zhangyuan Tungsten Co., Ltd.

CNMC (Guangxi) PGMA Co., Ltd.

Cronimet Brasil Ltda

DONGKUK INDUSTRIES CO., LTD.

Fujian Xinlu Tungsten Co., Ltd.

Fujian Xinlu Tungsten Co., Ltd.

Ganzhou Jiangwu Ferrotungsten Co., Ltd.

Ganzhou Seadragon W & Mo Co., Ltd.

Hubei Green Tungsten Co., Ltd.

Global Tungsten & Powders LLC

Global Tungsten & Powders LLC

Guangdong Xianglu Tungsten Co., Ltd.

TANIOBIS Smelting GmbH & Co. KG

H.C. Starck Tungsten GmbH

Ganzhou Jiangwu Ferrotungsten Co., Ltd.

HANNAE FOR T Co., Ltd.

Hubei Green Tungsten Co., Ltd.

Hunan Jintai New Material Co., Ltd.

Hunan Chenzhou Mining Co., Ltd.

Hunan Chenzhou Mining Co., Ltd.

Hunan Jintai New Material Co., Ltd.

Hunan Jintai New Material Co., Ltd.

Hunan Shizhuyuan Nonferrous Metals Co., Ltd. Chenzhou Tungsten Products Bra

Hydrometallurg, JSC

Japan New Metals Co., Ltd.

Jiangwu H.C. Starck Tungsten Products Co., Ltd.

Jiangxi Gan Bei Tungsten Co., Ltd.

Jiangxi Minmetals Gao'an Non-ferrous Metals Co., Ltd.

Jiangxi Tonggu Non-ferrous Metallurgical & Chemical Co., Ltd.

Jiangxi Xinsheng Tungsten Industry Co., Ltd.

Jiangxi Yaosheng Tungsten Co., Ltd.

Hubei Green Tungsten Co., Ltd.

JSC "Kirovgrad Hard Alloys Plant"

Kenee Mining Corporation Vietnam

Kennametal Fallon

Kennametal Huntsville

Lianyou Metals Co., Ltd.

Lianyou Resources Co., Ltd.

LLC Vostok

MALAMET SMELTING SDN. BHD.

Malipo Haiyu Tungsten Co., Ltd.

Masan High-Tech Materials

Masan High-Tech Materials

Moliren Ltd.

Nam Viet Cromit Joint Stock Company

Nam Viet Cromit Joint Stock Company

Niagara Refining LLC

NPP Tyazhmetprom LLC

Masan High-Tech Materials

000 "Technolom" 1

OOO "Technolom" 2

Philippine Bonway Manufacturing Industrial Corporation

Philippine Carreytech Metal Corp.

Philippine Chuangxin Industrial Co., Inc.

Shinwon Tungsten (Fujian Shanghang) Co., Ltd.

TANIOBIS Smelting GmbH & Co. KG

Tungsten Vietnam Joint Stock Company

Unecha Refractory metals plant

Wolfram Bergbau und Hutten AG

Xiamen Tungsten (H.C.) Co., Ltd.

Xiamen Tungsten (H.C.) Co., Ltd.

Xiamen Tungsten Co., Ltd.

YUDU ANSHENG TUNGSTEN CO., LTD.

Chongyi Zhangyuan Tungsten Co., Ltd.

China Molybdenum Tungsten Co., Ltd.

Unknown

most up-to-date version can be found on the RMI website T a guarantee that it is currently Active or Conformant within the Responsible

## Active or Conformant.

These names may include former company names, alternate names, abbreviations, ch is listed under column C in the Smelter Look-up.

columns, however if the common name varies from the standard name, the

Smelter Facility Location: Country	Smelter ID	Source of Smelter Identification	Smelter Street
Country		Number	
ITALY	CID002763	RMI	
AUSTRALIA	CID002920	RMI	
UNITED STATES OF AMERICA	CID002708	RMI	
UNITED STATES OF AMERICA	CID000015	RMI	
UGANDA	CID003185	RMI	
GERMANY	CID000035	RMI	
AUSTRALIA	CID002030	RMI	
AUSTRALIA	CID002030	RMI	
JAPAN	CID000019	RMI	
JAPAN	CID000401	RMI	
UNITED ARAB EMIRATES	CID002560	RMI	
UNITED ARAB EMIRATES	CID002560	RMI	
PORTUGAL	CID002760	RMI	
UNITED STATES OF AMERICA	CID003500	RMI	
GERMANY	CID000035	RMI	
UZBEKISTAN	CID000041	RMI	
JAPAN BRAZIL	CID000082 CID000058	RMI RMI	
BRAZIL	CID000058	RMI RMI	
BRAZIL	CID000058	RMI RMI	
CHINA	CID000038	RMI	
AUSTRALIA	CID001947	RMI	
AUSTRALIA	CID002030	RMI	
SWITZERLAND	CID000077	RMI	
JAPAN	CID000082	RMI	
CANADA	CID000924	RMI	
UNITED STATES OF AMERICA	CID000920	RMI	
JAPAN	CID000090	RMI	
TURKEY	CID000103	RMI	
TURKEY	CID000103	RMI	
INDIA	CID004697	RMI	
SOUTH AFRICA	CID002850	RMI	
INDIA	CID003461	RMI	

GERMANY	CID000113	RMI
INDIA	CID002863	RMI
INDIA	CID002863	RMI
INDIA	CID002863	RMI
PHILIPPINES	CID000128	RMI
SWEDEN	CID000157	RMI
GERMANY	CID000176	RMI
MEXICO	CID000180	RMI
CANADA	CID000185	RMI
CANADA	CID000185	RMI
SWITZERLAND	CID000189	RMI
SWITZERLAND	CID000189	RMI
SWITZERLAND	CID000189	RMI
PHILIPPINES	CID000128	RMI
INDIA	CID003382	RMI
PERU	CID004704	RMI
PERU	CID004704	RMI
CHINA	CID000197	RMI
INDIA	CID003382	RMI
ITALY	CID000233	RMI
CHINA	CID002224	RMI
CHINA	CID001916	RMI
JAPAN	CID001310	
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BRAZIL	CID004010	RMI
CHINA	CID000343	RMI
GERMANY	CID002867	RMI
GERMANY	CID002867	RMI
UNITED ARAB EMIRATES	CID003348	RMI
KOREA, REPUBLIC OF	CID000359	RMI
CHINA	CID003663	RMI
KOREA, REPUBLIC OF	CID000359	RMI
JAPAN	CID000401	RMI
JAPAN	CID000401	RMI
JAPAN	CID000401	RMI
JAPAN	CID000401	RMI
KOREA, REPUBLIC OF	CID000359	RMI
JAPAN	CID000425	RMI
JAPAN	CID003424	RMI
JAPAN	CID003425	RMI
RUSSIAN FEDERATION	CID000927	RMI
TAIWAN, PROVINCE OF CHINA	CID004755	RMI
PERU	CID004705	RMI
INDIA	CID003487	RMI
INDIA	CID003488	RMI
INDIA	CID003488	
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INDIA	CID003490	RMI
UNITED ARAB EMIRATES	CID002561	RMI
RUSSIAN FEDERATION	CID001204	RMI
ZIMBABWE	CID002515	RMI
RUSSIAN FEDERATION	CID000493	RMI
UNITED ARAB EMIRATES	CID002584	RMI
UNITED ARAB EMIRATES	CID002584	RMI

CHINA	CID002243	RMI
TANZANIA, UNITED REPUBLIC	CCID004506	RMI
INDIA	CID002852	RMI
COLOMBIA	CID003641	RMI
GHANA	CID003186	RMI
CHINA	CID001916	RMI
CHINA	CID001310	RMI
CHINA	CID002213	RMI
CHINA	CID001909	RMI
CHINA	CID001303 CID002312	RMI
CHINA	CID002312 CID002312	
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CHINA	CID000651	RMI
CHINA	CID000671	RMI
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GERMANY	CID000694	RMI
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CHINA	CID000707	RMI
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SOUTH AFRICA	CID004604	RMI
SOUTH AFRICA	CID004714	RMI
SOUTH AFRICA	CID004610	RMI
PERU	CID004010 CID004704	RMI
PERU	CID004704 CID004705	RMI
BELGIUM	CID004703 CID002587	RMI
CHINA	CID002387 CID000801	RMI
UNITED ARAB EMIRATES	CID000801 CID002562	RMI
JAPAN		
	CID000807	RMI
TURKEY	CID000814	RMI
ITALY	CID002765	RMI
INDIA	CID002893	RMI
JAPAN	CID000823	RMI
CHINA	CID000855	RMI
CHINA	CID000855	RMI
CANADA	CID000924	RMI
UNITED STATES OF AMERICA	CID000920	RMI
UNITED STATES OF AMERICA	CID000920	RMI
CANADA	CID000924	RMI
RUSSIAN FEDERATION	CID000927	RMI
RUSSIAN FEDERATION	CID000493	RMI
RUSSIAN FEDERATION	CID000929	RMI
JAPAN	CID000937	RMI

NORWAY	CID003497	RMI
UNITED ARAB EMIRATES	CID002563	RMI
KAZAKHSTAN	CID000956	RMI
KAZAKHSTAN	CID000957	RMI
UNITED STATES OF AMERICA	CID000969	RMI
POLAND	CID002511	RMI
POLAND	CID002511 CID002511	RMI
POLAND	CID002511	
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JAPAN	CID002100	RMI
JAPAN	CID000981	RMI
JAPAN	CID000981	RMI
POLAND	CID002511	RMI
KOREA, REPUBLIC OF	CID002605	RMI
PERU	CID004705	RMI
JAPAN	CID000401	RMI
UNITED STATES OF AMERICA	CID000969	RMI
INDIA	CID003463	RMI
KYRGYZSTAN	CID001029	RMI
RUSSIAN FEDERATION	CID002865	RMI
MEXICO	CID000180	RMI
CHINA	CID001916	RMI
SAUDI ARABIA	CID001032	RMI
CHINA	CID001056	RMI
CHINA	CID001056	RMI
CHINA	CID001058	RMI
ANDORRA	CID002762	RMI
KOREA, REPUBLIC OF	CID002702	RMI
KOREA, REPUBLIC OF	CID000689	RMI
CHINA	CID001093	RMI
CHINA	CID001093	RMI
CHINA	CID001093	RMI
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UNITED STATES OF AMERICA	CID001113	RMI
JAPAN	CID001119	RMI
INDIA	CID003548	RMI
JAPAN	CID001798	RMI
SOUTH AFRICA	CID003575	RMI
MEXICO	CID001161	RMI
UNITED STATES OF AMERICA	CID003557	RMI
	CID003337	
BELGIUM		RMI
SWITZERLAND	CID001153	RMI
CHINA	CID001149	RMI
SINGAPORE	CID001152	RMI
CHINA	CID001147	RMI
SWITZERLAND	CID001153	RMI
UNITED STATES OF AMERICA	CID001157	RMI
MEXICO	CID001161	RMI
JAPAN	CID001101 CID001188	RMI
JAPAN	CID001193	RMI

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JAPAN	CID001193	RMI
SWITZERLAND	CID001352	RMI
INDIA	CID002509	RMI
MALAYSIA	CID002857	RMI
NEW ZEALAND	CID002282	RMI
RUSSIAN FEDERATION	CID001204	RMI
TURKEY	CID001220	RMI
TURKEY	CID001220	RMI
UZBEKISTAN	CID001226	RMI
KOREA, REPUBLIC OF	CID003189	RMI
JAPAN	CID001259	RMI
UNITED STATES OF AMERICA	CID003690	RMI
JAPAN	CID001259	RMI
GERMANY	CID000113	RMI
AUSTRIA	CID002779	RMI
AUSTRIA	CID002779	RMI
JAPAN	CID001325	RMI
RUSSIAN FEDERATION	CID001326	RMI
RUSSIAN FEDERATION	CID001326	RMI
RUSSIAN FEDERATION	CID001320 CID000493	RMI
SWITZERLAND	CID000455	RMI
JAPAN	CID000937	RMI
UNITED STATES OF AMERICA	CID002872	RMI
CHINA	CID001362	RMI
AUSTRALIA	CID002030	RMI
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CHILE	CID002919	RMI
RUSSIAN FEDERATION	CID001386	RMI
SWITZERLAND	CID001352	RMI
INDONESIA	CID001397	RMI
SWITZERLAND	CID001498	RMI
SWITZERLAND	CID001498	RMI
UNITED STATES OF AMERICA	CID003324	RMI
SOUTH AFRICA	CID001512	RMI
KOREA, REPUBLIC OF	CID001078	RMI
CHINA	CID000522	RMI
NETHERLANDS	CID002582	RMI
NETHERLANDS	CID002582	RMI
CANADA	CID002502	
		RMI
FRANCE	CID002761	RMI
UNITED STATES OF AMERICA	CID001546	RMI
ITALY	CID002973	RMI
CZECHIA	CID002290	RMI
JAPAN	CID000937	RMI
INDIA	CID002853	RMI
UNITED ARAB EMIRATES	CID003666	RMI
KOREA, REPUBLIC OF	CID001555	RMI
KOREA, REPUBLIC OF	CID001555	RMI
KOREA, REPUBLIC OF	CID001562	RMI
KOREA, REPUBLIC OF	CID001555	RMI
SPAIN	CID001585	RMI
SPAIN	CID001585	RMI
O. / 1211	312 331303	171-11

SPAIN	CID001585	RMI
CHINA	CID001916	RMI
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CHINA	CID001916	RMI
CHINA	CID000651	RMI
CHINA	CID001916	RMI
CHINA	CID002525	RMI
CHINA	CID001916	RMI
CHINA	CID001619	RMI
CHINA	CID001619	RMI
CHINA	CID001613	RMI
CHINA	CID001022	RMI
CHINA	CID001310	RMI
CHINA	CID002730	RMI
CHINA	CID004433	RMI
INDIA	CID002527	RMI
JAPAN	CID002388 CID001875	RMI
RUSSIAN FEDERATION	CID001875 CID001756	
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	CID001736	RMI
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TAIWAN, PROVINCE OF CHINA	CID002516	RMI
JAPAN	CID001798	RMI
RUSSIAN FEDERATION	CID001756	RMI
TAIWAN, PROVINCE OF CHINA	CID001761	RMI
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INDIA	CID003383	RMI
LITHUANIA	CID003153	RMI
SUDAN	CID002567	RMI
JAPAN	CID001798	RMI
JAPAN	CID001798	RMI
KOREA, REPUBLIC OF	CID002918	RMI
KOREA, REPUBLIC OF	CID002918	RMI
TAIWAN, PROVINCE OF CHINA	CID001810	RMI
ITALY	CID002580	RMI
JAPAN	CID001193	RMI
JAPAN	CID000937	RMI
JAPAN	CID001875	RMI
CHINA	CID001909	RMI
AUSTRALIA	CID002030	RMI
CHINA	CID001916	RMI
JAPAN	CID001938	RMI
CHINA	CID001947	RMI
CHINA	CID001947	RMI
BELGIUM	CID002587	RMI

KAZAKHSTAN KOREA, REPUBLIC OF BRAZIL BELGIUM THAILAND BELGIUM UNITED STATES OF AMERICA SWITZERLAND FRANCE AUSTRALIA GERMANY UNITED STATES OF AMERICA CANADA JAPAN JAPAN JAPAN JAPAN JAPAN CHINA TAIWAN, PROVINCE OF CHINA JAPAN CHINA	CID002615 CID001955 CID002606 CID001980 CID002314 CID001980 CID001993 CID002003 CID002003 CID002778 CID002170 CID002100 CID001622	RMI
CHINA	CID002243	RMI
Unknown ESTONIA ESTONIA BRAZIL CHINA UNITED STATES OF AMERICA CHINA CHINA CHINA JAPAN UNITED STATES OF AMERICA CHINA THAILAND UNITED STATES OF AMERICA JAPAN GERMANY GERMANY CHINA	CID003926 CID003926 CID001076 CID000291 CID002504 CID000460 CID002505 CID002558 CID002557 CID000291 CID000616 CID002544 CID002548 CID002549 CID002550 CID002550 CID002545 CID002492	RMI RMI RMI RMI RMI RMI RMI RMI RMI RMI

CHINA CHINA CHINA CHINA CHINA CHINA CHINA CHINA MEXICO MEXICO MEXICO BRAZIL UNITED STATES OF AMERICA INDIA INDIA BRAZIL BRAZIL BRAZIL BRAZIL JAPAN JAPAN ESTONIA CHINA CHINA CHINA CHINA ESTONIA RWANDA UNITED STATES OF AMERICA BRAZIL BRAZIL BRAZIL BRAZIL BRAZIL CHINA	CID002512 CID002842 CID000914 CID000917 CID000917 CID002506 CID002539 CID002539 CID001076 CID002548 CID001163 CID001175 CID001175 CID001175 CID001175 CID001175 CID001277 CID001277 CID001277 CID001277 CID001277 CID001277 CID001277 CID001522 CID001522 CID001522 CID001522 CID001522 CID001522 CID001769 CID001769 CID001769 CID001769 CID001769 CID001769 CID001869	RMI RMI RMI RMI RMI RMI RMI RMI RMI RMI
CHINA	CID001522	RMI
JAPAN Unknown UNITED STATES OF AMERICA	CID002549 CID000292	RMI RMI
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CHINA	CID003356	RMI
JAPAN	CID000402	RMI
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MYANMAR	CID003831	RMI
VIET NAM	CID002572	RMI
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POLAND	CID000468	RMI
PERU	CID001182	RMI
CHINA	CID002158	RMI
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CHINA	CID001908	RMI
CHINA	CID000555	RMI
CHINA	CID000555	RMI
AUSTRALIA	CID004754	RMI
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MALAYSIA	CID001105	RMI
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INDONESIA	CID000342 CID001477	RMI
CHINA	CID001477	RMI
CHINA	CID001070 CID004796	RMI
RWANDA	CID004790 CID003387	RMI
CHINA	CID003387 CID003379	RMI
BRAZIL	CID003379 CID002468	RMI
MALAYSIA	CID002408 CID001105	RMI
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BRAZIL	CID004434 CID002500	RMI
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BELGIUM	CID001142 CID002773	RMI
SPAIN	CID002773 CID002774	RMI
BRAZIL	CID002774 CID001173	RMI
BRAZIL	CID001173 CID001173	RMI
BRAZIL	CID001173 CID001173	RMI
VIET NAM	CID001173	RMI
CONGO, DEMOCRATIC REPUBLIC		RMI
PERU PERU	CID004003 CID001182	RMI
JAPAN	CID001182 CID001191	RMI
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MALAYSIA	CID002030 CID001105	RMI
CHINA	CID001103 CID001231	RMI
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VIET NAM	CID001231 CID002573	RMI
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THAILAND	CID001303	RMI
PHILIPPINES	CID001314 CID002517	RMI
BOLIVIA (PLURINATIONAL STAT		RMI
BOLIVIA (PLURINATIONAL STAT		RMI
BOLIVIA (PLURINATIONAL STAT MYANMAR	CID001337 CID003208	RMI RMI
INDIA		RMI
	CID003409	RMI
INDONESIA	CID000309	
INDONESIA	CID001399	RMI
INDONESIA	CID002503	RMI

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INDONESIA	CID001406	RMI
INDONESIA	CID002776	RMI
INDONESIA	CID003205	RMI
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BRAZIL	CID002706	RMI
BRAZIL	CID002706	RMI
INDIA	CID004692	RMI
TAIWAN, PROVINCE OF CHINA	CID001539	RMI
CHINA	CID002180	RMI
BRAZIL	CID002756	RMI
JAPAN	CID004403	RMI
THAILAND	CID004403	RMI
THAILAND	CID001898	RMI
THAILAND	CID001898	RMI
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BRAZIL	CID001173	RMI
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BRAZIL		
BRAZIL	CID002036	RMI

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UGANDA	CID004724	RMI
CHINA	CID001070	RMI
CHINA	CID002180	RMI
CHINA	CID002100	RMI
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VIET NAM	CID002502	RMI
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CHINA	CID000258	RMI
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BRAZIL	CID003468	RMI
KOREA, REPUBLIC OF	CID004060	RMI
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CHINA		RMI
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CHINA	CID002315	RMI
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CHINA	CID003417	RMI
UNITED STATES OF AMERICA	CID000568	RMI
UNITED STATES OF AMERICA	CID000568	RMI
CHINA	CID000218	RMI
GERMANY	CID002542	RMI
GERMANY	CID002542	RMI
CHINA	CID002315	RMI

KOREA, REPUBLIC OF	CID003978	RMI
CHINA	CID003417	RMI
CHINA	CID000769	RMI
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CHINA	CID002513	RMI
RUSSIAN FEDERATION	CID002649	RMI
1APAN	CID002045	
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CHINA	CID002551	RMI
CHINA	CID002321	RMI
CHINA	CID002313	RMI
CHINA	CID002318	RMI
CHINA	CID002317	RMI
CHINA	CID002317	RMI
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VIET NAM	CID004619	RMI
UNITED STATES OF AMERICA	CID000966	RMI
UNITED STATES OF AMERICA	CID000105	RMI
TAIWAN, PROVINCE OF CHINA	CID003407	RMI
TAIWAN, PROVINCE OF CHINA	CID003407	RMI
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RUSSIAN FEDERATION	CID003643	RMI
MALAYSIA	CID004056	RMI
CHINA	CID002319	RMI
VIET NAM	CID002543	RMI
VIET NAM	CID002543	RMI
RUSSIAN FEDERATION	CID002845	RMI
VIET NAM	CID004034	RMI
VIET NAM		
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RUSSIAN FEDERATION	CID003416	RMI
VIET NAM	CID002543	RMI
RUSSIAN FEDERATION	CID003614	RMI
RUSSIAN FEDERATION	CID003612	RMI
PHILIPPINES	CID004797	
PHILIPPINES	CID004737	
PHILIPPINES	CID002827	
CHINA	CID004430	
GERMANY	CID002542	
VIET NAM	CID003993	
RUSSIAN FEDERATION	CID002724	
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CHINA	CID002320	
CHINA	CID002320	
CHINA	CID002082	
CHINA	CID003662	
CHINA	CID003002	
CHINA	C1D000728	

CHINA CID002641

Unknown

## **Smelter Facility Location: Smelter City**

State / Province

Lombardia Pero

Marrickville New South Wales Fairless Hills Pennsylvania Warwick Rhode Island

Entebbe Wakiso

Pforzheim Baden-Württemberg Newburn Western Australia Newburn Western Australia

Fuchu Tokyo Kosaka Akita Dubai Dubayy Dubai Dubayy Gondomar Porto Mentor Ohio

Baden-Württemberg Pforzheim

Almalyk Toshkent Kobe Hyogo Nova Lima Minas Gerais Minas Gerais Nova Lima Nova Lima Minas Gerais Tongling Anhui Sheng Newburn Western Australia Newburn Western Australia

Mendrisio Ticino Kobe Hyogo Ontario Brampton Salt Lake City Utah Fukushima Tamura Istanbul İstanbul

İstanbul Istanbul Bhagwanpur, Roorkee Uttarākhand Johannesburg Gauteng Mahārāshtra Mumbai

Hamburg
Bangalore
Bangalore
Bangalore
Bangalore
Cuezon City

Hamburg
Karnātaka
Karnātaka
Karnātaka
Rizal

Skelleftehamn Västerbottens län [SE-24]
Pforzheim Baden-Württemberg

Nacozari Sonora Montréal Quebec Montréal Quebec Biel-Bienne Bern Biel-Bienne Bern Biel-Bienne Bern Quezon City Rizal Cochin Kerala Acarí Arequipa Acarí Arequipa Kunming Yunnan Sheng

Cochin Kerala
Arezzo Toscana
Sanmenxia Henan Sheng
Laizhou Shandong Sheng

Chiyoda Tokyo Manaus Amazonas Huangshi Hubei Sheng

Pforzheim Baden-Württemberg
Pforzheim Baden-Württemberg

Sharjah Ash Shāriqah
Gimpo Gyeonggi-do
Suzhou City Jiangsu Sheng
Gimpo Gyeonggi-do

Kosaka Akita Kosaka Akita Kosaka Akita Kosaka Akita

Gimpo Gyeonggi-do Honjo Saitama Kazuno Akita Okayama Okayama

Verkhnyaya Pyshma Sverdlovskaya oblast'

Kaohsiung City Kaohsiung Acarí Arequipa Coimbatore Tamil Nādu Coimbatore Tamil Nādu Coimbatore Tamil Nādu Tamil Nādu Coimbatore Dubayy Dubai Obrucheva Moskva Msasa Harare

Novosibirsk Novosibirskaya oblast'

Fujairah Al Fujayrah Fujairah Al Fujayrah Shanghang Fujian Sheng

Bomba Mbili Geita Ahmedabad Gujarāt Medellín Antioquia Accra Greater Accra Laizhou Shandong Sheng Shanghang Fujian Sheng Sichuan Sheng Chengdu Chengdu Sichuan Sheng Guangzhou Guangdong Sheng Guangzhou Guangdong Sheng

Ahmedabad Gujarāt

Zhaoyuan Shandong Sheng Fuyang Zhejiang Sheng

Seo-gu Incheon-gwangyeoksi Pforzheim Baden-Württemberg

Sanmenxia Henan Sheng Sanmenxia Henan Sheng Sanmenxia Henan Sheng

Hanau Hessen

Fanling Hong Kong SAR Fanling Hong Kong SAR

Hanau Hessen

Yuanling Hunan Sheng Yuanling Hunan Sheng Yuanling Hunan Sheng Chenzhou Hunan Sheng Chenzhou Hunan Sheng Danwon Gyeonggi-do **Springs** Gauteng Springs Gauteng Rustenburg North-West Acarí Arequipa Acarí Arequipa Antwerp Antwerpen

Hohhot Nei Mongol Zizhigu

Dubai Dubayy
Soka Saitama
Kuyumcukent İstanbul
Arezzo Toscana
New Delhi Delhi
Osaka Osaka

Guixi City Jiangxi Sheng
Guixi City Jiangxi Sheng

Brampton Ontario
Salt Lake City Utah
Salt Lake City Utah
Brampton Ontario

Verkhnyaya Pyshma Sverdlovskaya oblast' Novosibirsk Novosibirskaya oblast'

Novosibirsk Novosibirskaya oblast' Verkhnyaya Pyshma Sverdlovskaya oblast'

Ōita Ôita

Hamar Innlandet Dubai Dubayy

Balkhash Qaraghandy oblysy Ust-Kamenogorsk Qaraghandy oblysy

Magna Utah

Lubin Dolnośląskie
Lubin Dolnośląskie
Lubin Dolnośląskie

Konan Kochi
Sayama Saitama
Sayama Saitama
Lubin Dolnośląskie
Seoul Seoul-teukbyeolsi

Acarí Arequipa Kosaka Akita Magna Utah

Haridwar Uttarākhand

Bishkek Chüy

Kyshtym Chelyabinskaya oblast'

Nacozari Sonora

Laizhou Shandong Sheng

Riyadh Ar Riyāḍ
Lingbao Henan Sheng
Lingbao Henan Sheng
Lingbao Henan Sheng
Andorra la Vella Andorra la Vella
Onsan-eup Ulsan-gwangyeoksi
Seo-gu Incheon-gwangyeoksi

Luoyang Henan Sheng Henan Sheng Luoyang Luoyang Henan Sheng Sao Paulo São Paulo Buffalo New York Iruma Saitama Uttarakhand Rudrapur Saijo Ehime

Kempton Park

Torreon Coahuila de Zaragoza

Gauteng

North Carolina Greenville Hoboken Antwerpen Marin Neuchâtel Kwai Chung Hong Kong SAR Singapore South West Suzhou Jiangsu Sheng Marin Neuchâtel North Attleboro Massachusetts

Torreon Coahuila de Zaragoza
Torreon Coahuila de Zaragoza
Torreon Coahuila de Zaragoza
Torreon Coahuila de Zaragoza
Coahuila de Zaragoza

Tokyo Tokyo Takehara Hiroshima

Hiroshima Takehara Geneva Genève Mewat Haryāna Kawasan Perindustrian Bukit I Melaka Onehunga Auckland Obrucheva Moskva Bahçelievler İstanbul Bahçelievler İstanbul Navoi Navoiy

Pyeongtaek-si Gyeonggi-do

Noda Chiba

Cranston Rhode Island

Noda Chiba
Hamburg Hamburg
Vienna Wien
Vienna Wien
Nara-shi Nara

Krasnoyarsk Krasnoyarskiy kray
Krasnoyarsk Krasnoyarskiy kray
Novosibirsk Novosibirskaya oblast'

Geneva Genève Ōita Ôita

Warwick Rhode Island
Penglai Shandong Sheng
Newburn Western Australia
Newburn Western Australia
Mejillones Antofagasta

Kasimov Ryazanskaya oblast'

Geneva Genève
Jakarta Jakarta Raya
La Chaux-de-Fonds Neuchâtel
La Chaux-de-Fonds Neuchâtel
Fairfield Ohio
Germiston Gauteng

Onsan-eup Ulsan-gwangyeoksi Lanzhou Gansu Sheng Moerdijk Noord-Brabant Moerdijk Noord-Brabant

Ottawa Ontario Paris Paris

Williston North Dakota Arezzo Toscana Vestec Praha-západ

Ōita Ôita

Parwanoo Himāchal Pradesh

Dubaiy Dubayy

Namdong Incheon-gwangyeoksi
Namdong Incheon-gwangyeoksi
Changwon Gyeongsangnam-do
Namdong Incheon-gwangyeoksi
Madrid Madrid, Comunidad de
Madrid Madrid, Comunidad de

Madrid, Comunidad de

Laizhou Shandong Sheng Laizhou Shandong Sheng Shandong Sheng Laizhou Shandong Sheng Zhaoyuan Laizhou Shandong Sheng Laizhou Shandong Sheng Shandong Sheng Laizhou Shandong Sheng Laizhou Shandong Sheng Laizhou Zhaoyuan Shandong Sheng Laizhou Shandong Sheng Shenzhen Guangdong Sheng Shenzhen Guangdong Sheng Shenzhen Guangdong Sheng Mumbai Mahārāshtra Hiratsuka Kanagawa

Shyolkovo Moskovskaja oblast'
Chengdu Sichuan Sheng
Hiratsuka Kanagawa
Dayuan Taoyuan
Saijo Ehime

Shyolkovo Moskovskaja oblast'

Tainan City **Tainan** Tainan City **Tainan** Tainan City **Tainan** Ahmedab Gujarāt Vilnius Vilnius Khartoum Khartoum Saijo **Ehime** Saijo Ehime

Gunsan-si Jeollabuk-do
Gunsan-si Jeollabuk-do
Taoyuan Taoyuan
Capolona Toscana
Takehara Hiroshima
Õita Õita

Hiratsuka Kanagawa Hiratsuka Kanagawa Hiratsuka Kanagawa Hiratsuka Kanagawa Hiratsuka Kanagawa Hiratsuka Kanagawa Hiratsuka Kanagawa Hiratsuka Kanagawa Chengdu Sichuan Sheng Newburn Western Australia Laizhou Shandong Sheng

Kuki Saitama
Tongling Anhui Sheng
Tongling Anhui Sheng
Antwerp Antwerpen

Astana Almaty

Asan Chungcheongnam-do

Sao Paulo São Paulo Hoboken Antwerpen

Khwaeng Dok Mai Krung Thep Maha Nakhon

Hoboken Antwerpen
Alden New York
Balerna Ticino
Tourville-les-Ifs Normandie

Newburn Western Australia
Pforzheim Baden-Württemberg

Buffalo New York
Montréal Quebec
Konan Kochi
Konan Kochi
Konan Kochi
Konan Kochi
Konan Kochi

Zhaoyuan Shandong Sheng

Kaohsiung City Kaohsiung Sagamihara Kanagawa Kunmina Yunnan Sheng Zhaoyuan Shandong Sheng Zhaoyuan Shandong Sheng Shandong Sheng Zhaoyuan Zhaoyuan Shandong Sheng Shandong Sheng Zhaoyuan Shandong Sheng Zhaoyuan Shandong Sheng Zhaoyuan Sanmenxia Henan Sheng Sanmenxia Henan Sheng Shanghang Fujian Sheng Fujian Sheng Shanghang

Tallinn Tallinn Tallinn

São João del Rei Minas Gerais Yingde Guangdong Sheng North Carolina Lincolnton Jiangmen Guangdong Sheng Jiangmen Guangdong Sheng Zhuzhou Hunan Sheng Fukushima Aizuwakamatsu Boyertown Pennsylvania Yingde Guangdong Sheng

Yingde Guangdong Sheng Yingde Guangdong Sheng

Map Ta Phut Rayong
Newton Massachusetts

Hitachi Ohmiya-shi Ibaraki

Laufenburg Baden-Württemberg Goslar Niedersachsen Hengyang Hunan Sheng Fengxin Jiangxi Sheng Yichun Jiangxi Sheng Jiujiang Jiangxi Sheng Jiujiang Jiangxi Sheng Jiujiang Jiangxi Sheng Jiujiang Jiangxi Sheng Matamoros **Tamaulipas** Matamoros **Tamaulipas** São João del Rei Minas Gerais Newton Massachusetts District Raigad Mahārāshtra District Raigad Mahārāshtra Presidente Figueiredo **Amazonas** Presidente Figueiredo **Amazonas** Presidente Figueiredo **Amazonas** Fukuoka Omuta Omuta **Fukuoka** Sillamäe Ida-Virumaa

Shizuishan City Ningxia Huizi Zizhiqu Shizuishan City Ningxia Huizi Zizhiqu

Sillamäe Ida-Virumaa
Bugesera District Eastern
Carrollton Texas

São João del Rei Minas gerais São João del Rei Minas gerais São João del Rei Minas gerais Zhuzhou Hunan Sheng Zhuzhou Hunan Sheng Yecheng City Jiangsu Sheng Solikamsk Permskiy kray Solikamsk Permskiy kray Solikamsk Permskiy kray

Harima Hyogo Harima Hyogo Map Ta Phut Rayong

Goslar Niedersachsen

Hitachi Ohmiya-shi Ibaraki

Laufenburg Baden-Württemberg

Croydon Pennsylvania

Ust-Kamenogorsk Qaraghandy oblysy
Ust-Kamenogorsk Qaraghandy oblysy
Yingde Guangdong Sheng
YunFu City Guangdong Sheng
Yecheng City Jiangsu Sheng
Zhuzhou Hunan Sheng
Zhuzhou Hunan Sheng

Hitachi Ohmiya-shi Ibaraki

Altoona Pennsylvania Altoona Pennsylvania Altoona Pennsylvania Altoona Pennsylvania
Altoona Pennsylvania
Quy Hop Nghệ An
Beerse Antwerpen
Berango Bizkaia

Pangkal Pinang Kepulauan Bangka Belitung Sungailiat Kepulauan Bangka Belitung

Gejiu Yunnan Sheng
Chenzhou Hunan Sheng
Chenzhou Hunan Sheng
Chifeng Nei Mongol Zizhiqu

Laibin Guangxi Zhuangzu Zizhiqu Laibin Guangxi Zhuangzu Zizhiqu Laibin Guangxi Zhuangzu Zizhiqu

Gejiu Yunnan Sheng
Altoona Pennsylvania
Altoona Pennsylvania
Altoona Pennsylvania
São José Santa Catarina
São José Santa Catarina

Toledo Toledo

Sungailiat Kepulauan Bangka Belitung Pemali Kepulauan Bangka Belitung Pangkalan Baru Kepulauan Bangka Belitung Pangkal Pinang Kepulauan Bangka Belitung Pangkal Pinang Kepulauan Bangka Belitung

Dongguan Guangdong Sheng

Kosaka Akita Kosaka Akita Yangon Yangon Tinh Tuc Cao Bằng Oruro Oruro Oruro Oruro Oruro Oruro Oruro Oruro Rondônia Ariquemes Ariquemes Rondônia Mogi das Cruzes São Paulo Mogi das Cruzes São Paulo Mogi das Cruzes São Paulo Chmielów Podkarpackie

Paracas Ika

Yunnan Sheng Gejiu Gejiu Yunnan Sheng Gejiu Yunnan Sheng Yunnan Sheng Gejiu Yunnan Sheng Gejiu Gejiu Yunnan Sheng Geiiu Yunnan Sheng Gejiu Yunnan Sheng Greenbushes Western Australia

Laibin Guangxi Zhuangzu Zizhiqu

Laibin Guangxi Zhuangzu Zizhiqu

Chaozhou Guangdong Sheng

Laibin Guangxi Zhuangzu Zizhiqu Laibin Guangxi Zhuangzu Zizhiqu

Ganzhou Jiangxi Sheng Butterworth Pulau Pinang

Asago Hyogo

Mentok Kepulauan Bangka Belitung Pangkal Pinang Kepulauan Bangka Belitung

Ganzhou Jiangxi Sheng
Ganzhou Jiangxi Sheng
Gejiu Yunnan Sheng
Gejiu Yunnan Sheng
Gejiu Yunnan Sheng

Kundur Riau

Laibin Guangxi Zhuangzu Zizhiqu

Ganzhou City
Kigali
Kigali
Maanshan
São João del Rei
Butterworth
Port Klang
Ariquemes
Jiangxi Sheng
City of Kigali
Anhui Sheng
Minas Gerais
Pulau Pinang
Selangor
Rondônia

Mentok Kepulauan Bangka Belitung Laibin Guangxi Zhuangzu Zizhiqu

Twinsburg Ohio
Beerse Antwerpen
Berango Bizkaia
Bairro Guarapiranga São Paulo
Bairro Guarapiranga São Paulo
Bairro Guarapiranga São Paulo
Hanoi Ha Noi

Lubumbashi Haut-Katanga

Paracas Ika
Asago Hyogo
Kawasan Perindustrian Bukit I Melaka
Butterworth Pulau Pinang
Ganzhou Jiangxi Sheng
Ganzhou Jiangxi Sheng

Quy Hop

Novosibirsk Novosibirskaya oblast' Novosibirsk Novosibirskaya oblast'

Nghệ An

Nongkham Sriracha Chon Buri
Rosario Cavite
Oruro Oruro
Oruro Oruro
Oruro Oruro
Yangon Yangon
Jaqdalpur Chhattīsqarh

Pemali Kepulauan Bangka Belitung Sungailiat Kepulauan Bangka Belitung Sungailiat Kepulauan Bangka Belitung Lintang Kepulauan Bangka Belitung
Badau Kepulauan Bangka Belitung
Air Mesu Kepulauan Bangka Belitung
Pangkalpinang Kepulauan Bangka Belitung
Kabupaten Bangka Kepulauan Bangka Belitung
Belitung Kepulauan Bangka Belitung
Pangkal Pinang Kepulauan Bangka Belitung

Batam Kepulauan Riau

Pangkal Pinang Kepulauan Bangka Belitung Pangkal Pinang Kepulauan Bangka Belitung Mentawak Kepulauan Bangka Belitung Sungailiat Kepulauan Bangka Belitung Kepulauan Bangka Belitung Sungailiat Pangkalpinang Kepulauan Bangka Belitung Kepulauan Bangka Belitung Sungailiat Pangkalan Baru Kepulauan Bangka Belitung Pangkal Pinang Kepulauan Bangka Belitung Sungailiat Kepulauan Bangka Belitung Tukak Sadai Kepulauan Bangka Belitung Pangkal Pinang Kepulauan Bangka Belitung Kepulauan Bangka Belitung Sungailiat Pangkal Pinang Kepulauan Bangka Belitung Pangkal Pinang Kepulauan Bangka Belitung Kepulauan Bangka Belitung Belitung

Kundur Riau

Tempilang Kepulauan Bangka Belitung

Kundur Riau

Mentok Kepulauan Bangka Belitung Pangkal Pinang Kepulauan Bangka Belitung

Bogor Jawa Barat

Sumping Desa Batu Peyu Kepulauan Bangka Belitung

São João del Rei Minas gerais
São João del Rei Minas gerais
São João del Rei Minas gerais
Baddi Himāchal Pradesh

Longtan Shiang Taoyuan Taoyuan

Gejiu Yunnan Sheng
Piracicaba São Paulo
Hiroshima Hirosima
Amphur Muang Phuket
Amphur Muang Phuket
Amphur Muang Phuket
Amphur Muang Phuket

Gejiu Yunnan Sheng
Gejiu Yunnan Sheng
Gejiu Yunnan Sheng
West Chester Pennsylvania
Bairro Guarapiranga São Paulo
Tan Quang Tuyên Quang

Kundur Riau
Hanoi Ha Noi
Ariquemes Rondônia
Ariquemes Rondônia

Ariquemes Rondônia Mbarara Western

Laibin Guangxi Zhuangzu Zizhiqu

Yunnan Sheng Gejiu Gejiu Yunnan Sheng Gejiu Yunnan Sheng Gejiu Yunnan Sheng Yunnan Sheng Gejiu Yunnan Sheng Gejiu Gejiu Yunnan Sheng Gejiu Yunnan Sheng Gejiu Yunnan Sheng Yunnan Sheng Gejiu Gejiu Yunnan Sheng Gejiu Yunnan Sheng Gejiu Yunnan Sheng Yunnan Sheng Gejiu Gejiu Yunnan Sheng Gejiu Yunnan Sheng

Toyama City Toyama Toyama City Toyama Aracariguama São Paulo Sao Paulo São Paulo Toyama City Toyama Toyama City Toyama Toyama City Toyama Moscow Moskva Vinh Bao District Hai Phong Huntsville Alabama Huntsville Alabama

Chaozhou Guangdong Sheng
Chenzhou Hunan Sheng
Luoyang Henan Sheng
Luoyang Henan Sheng
Luoyang Henan Sheng
Ganzhou Jiangxi Sheng

Hezhou Guangxi Zhuangzu Zizhigu

Araquari Santa Catarina Gyeongju-si Gyeongsangbuk-do

Longyan Fujian Sheng Longyan Fujian Sheng Ganzhou Jiangxi Sheng Ganzhou Jiangxi Sheng Shenzhen Guangdong Sheng Pennsylvania Towanda Towanda Pennsylvania Guangdong Sheng Chaozhou Laufenburg Baden-Württemberg Goslar

Goslar Niedersachsen Ganzhou Jiangxi Sheng

Dangjin-si Chungcheongnam-do Shenzhen Guangdong Sheng Hengyang Hunan Sheng Yuanling Hunan Sheng Yuanling Hunan Sheng Hengyang Hunan Sheng Hengyang Hunan Sheng Chenzhou Hunan Sheng

Nalchik Kabardino-Balkarskaya Respublika

Akita City Akita

Ganzhou Jiangxi Sheng Xiushui Jiangxi Sheng Gao'an Jiangxi Sheng Tonggu Jiangxi Sheng Jiangxi Sheng Ganzhou Jiangxi Sheng Ganzhou Shenzhen Guangdong Sheng Kirovgrad Sverdlovskaya oblast'

Song Cau Town Phú Yên
Fallon Nevada
Huntsville Alabama
Fangliao Pingtung
Wujie Yilan

Kostroma Kostromskaya oblast'

Kuala Lumpur Wilayah Persekutuan Kuala Lumpur

Wen Shan Yunnan Sheng Dai Tu Thái Nguyên Dai Tu Thái Nguyên

Roshal Moskovskaja oblast'

Trieu Son Thanh Hóa
Trieu Son Thanh Hóa
Depew New York

Kopeysk Chelyabinskaya Oblast'

Dai Tu Thái Nguyên

Ramenskoe Moskovskaja oblast' Ramenskoe Moskovskaja oblast'

San Simon Pampanga
San Simon Pampanga
Marilao Bulacan
Longyan Fujian Sheng

Laufenburg Baden-Württemberg

Song Cong Thái Nguyên

Unecha Bryanskaya oblast'

St. Martin i-S Steiermark St. Martin i-S Steiermark St. Martin i-S Steiermark St. Martin i-S Steiermark Xiamen Fujian Sheng Xiamen Fujian Sheng Fujian Sheng Xiamen Ganzhou City Jiangxi Sheng Ganzhou Jiangxi Sheng Luoyang

Henan Sheng