

16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES

General - The materials, parts, and supplies listed below are those commonly consumed in the manufacture, processing, or assembly of the products listed in **2**. Please review the entire list and report separately each item consumed. Leave blank if you do not consume the item. If you use materials, parts, and supplies that are not listed, describe and report them in the "Cost of all other materials . . ." at the end of this section. If you consumed less than \$25,000 of a listed material, include the value with "Cost of all other materials . . ." Census material code 009700 99 8.

Report materials, parts, and supplies purchased, transferred from other plants of your company, or withdrawn from inventory.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Valuation of Materials Consumed - The value of the materials, etc., consumed should be based on the delivered cost; i.e., the amount paid or payable after discounts and including freight and other direct charges incurred in acquiring the materials.

Materials received from other plants within your company should be reported at their full economic value (the value assigned by the shipping plant, plus the cost of freight and other handling charges).

If purchases or transfers do not differ significantly from the amount actually put into production, you may report the cost of purchases or transfers. However, if consumption differs significantly from the amounts purchased or transferred, these amounts should be adjusted for changes in the materials and supplies inventories by adding the beginning inventory to the amount purchased or transferred and subtracting ending inventory.

Contract Work - Include all materials consumed those you purchased for use by others making products for you under contract. Amounts paid to the companies doing the contract work should be reported in **15**, line A5, and should include freight in and out. On the other hand, materials owned by others but used at this establishment in making products for others under contract or on commission should be excluded.

Resales - Cost for products bought and sold or transferred from other establishments of your company and sold without further manufacture, processing, or assembly should be reported in **15**, line A2, not in **16**. The value of these products shipped by this establishment should be reported in **2** under Census product code 000999 8900 6, "Resales."

Toll Operations - Tolling must be performed for customers outside your own company. If the work is done for other establishments within your company, the value of the materials consumed in the tolling operation should be reported in your cost of materials data and the processed value of the products should be reported as a product shipment and a corresponding interplant transfer.

Gross Weight - Where gross weight is requested (line 1) the figures reported should represent the entire weight of the materials in the relevant form shown on the schedule and not the metal content of the material. Gross weight should not include tare.

Lines 8 and 9 - Include scrap generated in other establishments of your company and transferred to this plant, as well as scrap purchased from outside sources. Exclude home scrap.

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DO NOT USE TO REPORT

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
1	Metal mining (ores and concentrates) Copper ores, concentrates, and precipitates <i>(Report quantity in gross weight)</i>	212234 00 9	short tons					
2	All other nonferrous metal ores and concentrates	212200 15 8						
3	Shapes and forms (excluding castings, forgings, and fabricated metal products) Refined unalloyed copper (cathodes, ingots, cakes, slabs, etc.) and blister or anode copper	331411 03 3	↑ short tons ↓					
4	Precious metal and precious metal alloy (including gold, silver, and platinum)	331419 03 6						
5	Tin and tin-base alloy	331419 39 0						
6	Zinc and zinc-base alloy refinery shapes	331491 05 0	short tons					
7	All other nonferrous shapes and forms	331419 27 5						

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16 DETAILED COST OF MATERIALS, PARTS, AND SUPPLIES - Continued

Line No.	Materials, parts, and supplies	Census material code	Unit of measure for quantities	Consumption of purchased materials and of materials received from other establishments of your company				
				Quantity	Cost, including delivery cost (freight-in)			
					\$ Bil.	Mil.	Thou.	
0634		0630	0636	0632	0631			
8	Scrap							
	Precious metal and precious metal alloy	001900 51 3						
9	All other nonferrous metal and metal-base alloy scrap	001900 52 1						
10	Cost of all other materials and components, parts, containers, and supplies consumed (Specify the principal materials, etc., included in this value.) ↴	009700 99 8						
11	TOTAL (Should equal total reported in 16 , line A1)	771000 00 7						

17 Not Applicable.

18 TYPE OF OPERATION

(Mark "X" the ONE box that best describes the operation performed at this establishment during 2002.)

Method of operation of this establishment during 2002

- 0620 392 Smelting or refining copper from ore or smelter products
- 394 Smelting or refining lead from ore or smelter products
- 396 Smelting or refining zinc from ore
- 398 Aluminum reduction
- 400 Smelting or refining other nonferrous metals from ore or smelter products
- 402 Smelting or refining nonferrous metals from scrap or dross
- 406 Producing aluminum ingots or billets in an aluminum rolling mill
- 530 Performing other operations (Specify kind.) ↴

0621 _____

19-21 Not Applicable.

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE

General - The manufactured products and services listed below are generally made in your industry. If you make products that are not listed, describe and report them in the "All other products made in this establishment" section at the end of 2. PLEASE DO NOT COMBINE PRODUCT LINES.

If quantities are requested, please use the unit of measure specified.

If the information as requested cannot be taken directly from your book records, REASONABLE ESTIMATES ARE ACCEPTABLE.

Quantity Produced For All Purposes - Report the total quantity of each product produced. If this establishment performs both smelting and refining operations, production should be reported separately for each stage. Also, within each stage, production should be reported only in the form in which the metal passes from the smelter stage to the refined stage, or is shipped from this plant, or is consumed in this plant in the manufacture of products beyond the refined metal stage. Do not report production of intermediate stages through which the metal may be processed.

Products Shipped and Other Receipts - Report the quantity and value of shipments of all products made in this establishment during 2002. For value of shipments, report the net selling value, f.o.b. plant, after discounts and allowances, and exclusive of freight charges and excise taxes. Include products shipped on consignment, whether or not sold at the end of the year. Exclude shipments of materials to your toll processor. Include products made for you on a toll basis whether shipped direct from the toll processor or from this plant. Exclude shipments of products made in this establishment on a toll basis for others. Report the amount you received for "commission or toll processing" on line 26, Census code 000930 0085 9.

Contract Work - Report PRODUCTS MADE BY OTHERS FOR YOU FROM YOUR MATERIALS on the specific lines as if they were made in this establishment. On the other hand, do not report on the specific product lines PRODUCTS THAT YOU MADE FROM MATERIALS OWNED BY OTHERS. Report only the amount that you received for "commission or contract receipts" under Census code 000930 0014 9.

Toll Operations - Tolling must be performed for customers outside your own company. If the work is done for other establishments within your company; the value of the materials consumed in the tolling operation should be reported in your cost of materials data and the processed value of the product should be reported as a product shipment and a corresponding interplant transfer.

Resales - Do not report on the specific product lines those PRODUCTS BOUGHT AND SOLD OR TRANSFERRED FROM OTHER ESTABLISHMENTS OF YOUR COMPANY AND SOLD WITHOUT FURTHER MANUFACTURE. Report only a value under Census code 000999 8900 6, "Resales."

Detailed Data Reported Elsewhere - Items denoted by an asterisk (*) require totals for groups of products covered in the more frequent Current Industrial Reports (CIR). If you report on the CIR form, the sum of the detailed products should equal the total reported on this form. For corresponding survey item codes, see paragraph 4, "Comparability," of CIR Instruction Manual.

NOTE: Only totals are requested; do not duplicate detail reported on the CIR.

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts			
					Quantity	Value, f.o.b. plant		
						\$ Bil.	Mil.	Thou.
0734		0730	0736	0733	0732	0731		
1	Primary copper smelter products, not of commercial grade, produced for further refining, including blister or anode copper, etc.	331411 0101 5	↑ short tons ↓					
2	Other refined primary copper and copper-base alloy, including cathode, wire bar, ingot and ingot bar, cakes, slabs, shot, etc.	331411 0113 0						
3	Secondary copper and copper-base alloy powders, paste, and flakes . . .	331423 0106 9	1000 lb					
4	Refined primary zinc Zinc (including all ASTM specification zinc) unalloyed . . .	331419 3101 5						
5	Zinc-base alloys	331419 3111 4	short tons					

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued

Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			
						\$ Bil.	Mil.	Thou.	
0734		0730	0736	0733	0732	0731			
6	Precious metals and precious metal alloys		↑ troy ounces ↓						
	Gold	331419 7101 1							
7	Silver	331419 7206 8							
8	Platinum (including platinum-group metals)	331419 7311 6							
9	Secondary precious metal and precious-metal-base alloy powders, paste, and flakes (gold, silver, platinum, etc.)	331492 1426 5							
10	Other primary nonferrous metals, nec								
	Lead and lead-base alloys	331419 9101 9							
11	Magnesium and magnesium-base alloys	331419 9103 5	short tons						
12	Nickel, nickel-base alloys, and tin	331419 9106 8							
13	Silicon, unalloyed	331419 9121 7							
14	Other primary unrefined nonferrous metals, including metal bearing furnace residues, zinc residues, zinc smelter products (base bullion, matte, speiss, etc.) and other metal products	331419 9127 4							
15	Other primary refined nonferrous metals and their alloys, including cadmium, antimony, cobalt, molybdenum, titanium sponge, etc. (Specify metal.) ↴								
		331419 9131 6							
16	Zinc oxide pigments	325131 4111 2	short tons						
17	Sulfuric acid (Corresponds to value of shipments reported on CIR Form MQ325B, Fertilizers and Related Chemicals, for 2002, item codes 3100 - 3300)*	325188 1100 8							
18	Plastics pipe fittings and unions . . .	326122 3100 4							
19	Secondary smelting and alloying of aluminum, nsk (Specify kind.) ↴								
		331314 WYWW 2	1000 lb						

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22 DETAIL OF SALES, SHIPMENTS, RECEIPTS, OR REVENUE - Continued									
Line No.	Products and services *Items correspond to products reported on Current Industrial Reports (CIR)	Census product code	Unit of measure for quantities	Quantity produced for all purposes	Products shipped and other receipts				
					Quantity	Value, f.o.b. plant			Thou.
						\$ Bil.	Mil.		
0734		0730	0736	0733	0732	0731			
	All other products made in this establishment - <i>Specify and report each product with sales value of \$50,000 or more that cannot be assigned to one of the "listed products and services". For all remaining products, write "Other" and report a single total value.</i>								
20		18							
21		26							
22		34							
23		42							
24		59							
25		67							
	Contract work Receipts for smelting and refining materials owned by others on a toll basis (<i>Report the quantity of production of these products in the "Quantity produced for all purposes" column, where appropriate, on lines 1-25 above.</i>)								
26		000930 0085 9							
	All other receipts for work done for others on their own materials. (<i>Specify products worked on and kind of work.</i>) ↴								
27		000930 0014 9							
	Miscellaneous receipts								
28	Sales of scrap and refuse	000999 8013 8							
29	Other miscellaneous receipts (including receipts for repair work, etc.)	000999 8098 9							
30	Resales - Sales of products bought and sold without further manufacture, processing, or assembly (The cost of such items should be reported in 15, line A2.)	000999 8900 6							
31	TOTAL (<i>Should equal 4, line A</i>) . . .	770000 0000 8							
23-27 Not Applicable.									

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28 ESTABLISHMENT ACTIVITIES

A. Indicate activities that were performed by this establishment or were performed for this establishment by another company during 2002.
(Mark "X" ALL that apply.)

This activity was performed -			
By this establishment	By another establishment of this company	By another company	Not at all
0921 <input type="checkbox"/>	8071 <input type="checkbox"/>	0941 <input type="checkbox"/>	0961 <input type="checkbox"/>
1. Product design/engineering			
2. Order fulfillment			
0923 <input type="checkbox"/>	8072 <input type="checkbox"/>	0943 <input type="checkbox"/>	0963 <input type="checkbox"/>
a. Bundling or kitting (combining multiple items into a prepackaged product)			
0924 <input type="checkbox"/>	8073 <input type="checkbox"/>	0944 <input type="checkbox"/>	0964 <input type="checkbox"/>
b. Pick and pack (taking goods from inventory and packaging them to fill orders).			
0925 <input type="checkbox"/>	8074 <input type="checkbox"/>	0945 <input type="checkbox"/>	0965 <input type="checkbox"/>
c. Warehousing of finished products			
0926 <input type="checkbox"/>	8075 <input type="checkbox"/>	0946 <input type="checkbox"/>	0966 <input type="checkbox"/>
d. Breaking bulk (reducing large shipments into smaller portions for customers)			
0927 <input type="checkbox"/>	8076 <input type="checkbox"/>	0947 <input type="checkbox"/>	0967 <input type="checkbox"/>
e. Local delivery (within a city, town, or other local area, including adjoining towns and suburban areas)			
0928 <input type="checkbox"/>	8077 <input type="checkbox"/>	0948 <input type="checkbox"/>	0968 <input type="checkbox"/>
f. Long distance delivery (beyond local areas and commercial zones)			
0932 <input type="checkbox"/>	8078 <input type="checkbox"/>	0952 <input type="checkbox"/>	0972 <input type="checkbox"/>
g. Processing of returned merchandise			

B. During 2002 did this establishment:

- 1. Manage inventory owned by this establishment AND held at this location? 0936 Yes 0937 No
- 2. Manage inventory owned by this establishment BUT held at a customer's location?. 0956 Yes 0957 No
- 3. Manage inventory owned by another company BUT held at this location? 0976 Yes 0977 No
- 4. Manage inventory owned by another company AND held somewhere other than at this location?. 0994 Yes 0995 No
- 5. Contract with another firm for any of your production using materials owned by this location? 8041 Yes 8042 No
- 6. Send any partially completed products to a foreign facility for processing that were then returned to this establishment for completion? 8044 Yes 8045 No
- 7. Manufacture products for a government to their specifications? 8047 Yes 8048 No
- 8. Manufacture products for another business to their specifications? 8016 Yes 8017 No
- 9. Manufacture products for a final retail customer to their specifications? 8060 Yes 8062 No



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29 OPERATIONAL STATUS

Activity that best describes this establishment's status at the end of 2002
(Mark "X" only ONE box.)

0011 <input type="checkbox"/> In operation	0013 <input type="checkbox"/> Temporarily or seasonally inactive							
0012 <input type="checkbox"/> Under construction, development, or exploration	0014 <input type="checkbox"/> Ceased operation - Give date at right →	0018 <table border="1"> <tr> <th>Month</th> <th>Day</th> <th>Year</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	Month	Day	Year			
Month	Day	Year						
	0015 <input type="checkbox"/> Sold or leased to another operator - Give date at right AND enter new name and mailing address below ↴	→						

0060 Name of new owner or operator	0061 Employer Identification Number		
	Enter EIN of new owner (9 digits) →		-
0062 Mailing address (number and street, P.O. Box, etc.)			
0063 City, town, village, etc.	0064 State	0065 ZIP Code	
			-

Remarks (Please use this space for any explanations that may be essential in understanding your reported data.)

30 CERTIFICATION - This report is substantially accurate and was prepared in accordance with the instructions.

Is the time period covered by this report a calendar year?								
0078 <input type="checkbox"/> Yes	0079 <input type="checkbox"/> No - Enter time period covered →	FROM 0070	Month	Year	TO 0071	Month	Year	
0072 Name of person to contact regarding this report				0073 Title				
Telephone 0074		Area code	Number		Extension	Fax 0075		
			-			-		
0076 Internet e-mail address					Date completed 0069	Month	Day	Year

Thank you for completing your 2002 Economic Census form.
PLEASE PHOTOCOPY THIS FORM FOR YOUR RECORDS AND RETURN THE ORIGINAL.

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