

Estadísticas

Informe Anual 2018
Cámara Minera de México
LXXXI Asamblea General Ordinaria



PARTICIPACIÓN DE MÉXICO EN LA PRODUCCIÓN MINERA MUNDIAL EN 2017



Fuente: GFMS, Thomson Reuters, International Lead and Zinc Study Group y Mineral Commodity Summaries, U.S. Geological Survey



Plata
1° Lugar
(23.0%)

Sulfato de
Sodio
3° Lugar
(4.10%)

Zinc
6° Lugar
(5.11%)

Cobre
7° Lugar
(3.83%)

Yeso
9° Lugar
(2.08%)

Azufre
14° Lugar
(1.45%)

Fluorita
2° Lugar
(16.5%)

Wollastonita
4° Lugar
(10.26%)

Sulfato de
Magnesio
6° Lugar
(4.0%)

Barita
8° Lugar
(1.81%)

Manganeso
11° Lugar
(1.38%)

Fosforita
14° Lugar
(0.76%)

Celestita
2° Lugar
(28.22%)

Molibdeno
5° Lugar
(4.14%)

Cadmio
7° Lugar
(4.78%)

Diatomita
8° Lugar
(3.0%)

Caolín
11° Lugar
(0.86%)

Arena
Sílica
14° Lugar
(0.81%)

Bismuto
3° Lugar
(3.86%)

Plomo
5° Lugar
(5.05%)

Sal
7° Lugar
(3.21%)

Oro
9° Lugar
(4.02%)

Grafito
13° Lugar
(0.33%)

VOLUMEN Y VALOR DE LA PRODUCCIÓN MINERO-METALÚRGICA, 2016-2017

P R O D U C T O S	VOLUMEN (TONELADAS)		Var 2017/2016 %	VALOR (MILES DE PESOS)		Var 2017/2016 %
	2016	2017		2016	2017	
TOTAL				234,668,062.9	241,727,134.5	3.0
I.- METALES PRECIOSOS ^{a/}				129,888,425.7	119,076,332.6	-8.3
Oro (Kgs.)	116,924	100,989	-13.6	87,662,688	77,354,507.6	-11.8
Plata (Kgs.)	4,109,608	4,000,075	-2.7	42,225,737.3	41,721,824.9	-1.2
II.- METALES INDUSTRIALES NO FERROSOS ^{a/}				68,798,720.6	88,041,927.5	28.0
Plomo	159,044	165,654	4.2	5,573,020.6	7,260,875.5	30.3
Cobre	490,999	463,349	-5.6	44,598,986.6	53,917,817.9	20.9
Zinc	384,248	401,479	4.5	15,282,652.3	21,952,446.1	43.6
Antimonio	-	-	-	-	-	-
Arsénico	-	-	-	-	-	-
Bismuto	539	513	-4.8	92,950.9	100,589.1	8.2
Estaño	-	-	-	-	-	-
Cadmio	1,244	1,142	-8.2	31,012.6	38,186.4	23.1
Selenio	121	112	-7.4	65,928.2	80,183.1	21.6
Molibdeno	11,896	13,985	17.6	3,154,169.3	4,691,829.2	48.8
III.- MINERALES SIDERÚRGICOS				19,189,964.4 ^{v/}	19,837,436.9	3.4
Carbón No Coquizable ^{2/}	8,159,036 ^{v/}	7,279,817	-10.8	4,107,362.5	4,108,831.7	0.0
Coque ^{2/}	1,368,136	1,295,342	-5.3	6,654,031.1	7,361,300.5	10.6
Pellets de Fierro ^{1/}	6,969,582	6,927,642	-0.6	7,656,177.4	7,316,435.3	-4.4
Manganeso ^{1/}	205,645	211,510	2.9	772,393.3	1,050,869.4	36.1
IV.-MINERALES NO METÁLICOS ^{2/}				16,790,952.3 ^{v/}	14,771,437.6	-12.0
Azufre ^{3/}	673,285	551,218	-18.1	596,995.9	475,644.3	-20.3
Grafito	3,839	1,746	-54.5	15,237.7	7,617.3	-50.0
Barita	156,854 ^{v/}	359,912	129.5	354,683.2 ^{v/}	774,017.3	118.2
Dolomita	7,300,230 ^{v/}	6,059,970	-17.0	1,163,979.8 ^{v/}	988,265.5	-15.1
Fluorita	656,231 ^{v/}	724,380	10.4	2,049,699.3	2,345,499.5	14.4
Caolín	259,551	279,225	7.6	607,821.0	904,564.5	48.8
Arena Sílica	2,175,429 ^{v/}	2,355,909	8.3	1,062,046.6 ^{v/}	453,385.4	-57.3
Yeso	5,537,402	5,837,419	5.4	914,256.5 ^{v/}	984,932.1	7.7
Fosforita	2,909,266	1,925,870	-33.8	3,469,030.7	2,364,271.4	-31.8
Wollastonita	63,683	87,562	37.5	322,462.3	344,177.5	6.7
Celestita	33,230	40,699	22.5	32,115.4	39,732.1	23.7
Feldespató	214,274	233,050	8.8	125,988.1	58,504.9	-53.6
Sal	10,028,171 ^{v/}	8,671,281	-13.5	3,403,970.9 ^{v/}	2,442,702.8	-28.2
Diatomita	96,686	96,374	-0.3	349,781.3	349,388.4	-0.1
Sulfato de Sodio	750,021	753,494	0.5	2,152,961.8	2,062,920.6	-4.2
Sulfato de Magnesio	55,377	57,092	3.1	169,921.9	175,814.2	3.5

1_/ Contenido Metálico

2_/ Volumen del Mineral

3_/ Obtenido de la Refinería del Petróleo Crudo

Notas:

La suma de los parciales puede no coincidir con los totales debido al redondeo.
El Valor de la Producción para los Metales excepto para el Arsénico, Bismuto, Selenio y Pellet de Fierro, se obtiene con las Cotizaciones Internacionales; para los Minerales No Metálicos, el Valor de la Producción se obtiene con los Precios del Mercado Nacional.

Fuente: INEGI



VOLUMEN DE LA PRODUCCIÓN MINERA NACIONAL DURANTE EL PERIODO DE 1997-2017 (TONELADAS)

PRODUCTOS	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
I.- METALES PRECIOSOS										
• Oro (Kgs.)	26,001	26,426	23,754	26,375	23,544	21,324	20,406	21,825	30,357	38,962
• Plata (Kgs.)	2,680	2,685	2,486	2,620	2,760	2,748	2,569	2,569	2,894	2,970
II.- METALES INDUSTRIALES NO FERROSOS										
• Plomo	174,660	166,059	126,666	137,974	136,413	138,707	139,348	118,484	134,388	135,025
• Cobre	390,536	384,641	381,183	364,565	371,123	329,573	355,653	405,539	429,042	334,129
• Zinc	379,251	385,390	362,811	392,791	428,828	446,104	413,991	426,361	476,307	479,379
• Molibdeno	4,842	5,949	7,961	6,886	5,518	3,428	3,524	3,731	4,245	2,519
III.- METALES Y MINERALES SIDERÚRGICOS										
• Carbón Mineral	8,509,976	7,832,227	8,764,835	8,230,115	6,986,028	6,370,872	6,648,257	6,450,594	9,940,326	10,882,685
• Hierro	7,890,648	7,326,474	7,737,188	7,458,056	5,715,758	6,577,434	8,182,406	8,825,155	9,548,619	9,614,623
• Manganeso	192,825	187,103	169,107	156,115	99,751	88,358	114,550	135,893	132,872	124,417
IV.- MINERALES NO METÁLICOS										
• Azufre	923,352	912,825	855,484	851,427	878,180	877,035	1,051,968	1,125,591	1,016,822	1,073,567
• Grafito	47,982	43,461	27,781	30,330	21,442	13,885	8,730	14,769	12,357	11,773
• Barita	236,606	161,555	157,953	127,668	142,017	163,620	287,451	306,668	268,657	199,605
• Dolomita	902,710	785,515	415,284	403,664	670,799	457,665	565,896	1,158,929	1,308,977	1,282,590
• Fluorita	552,840	598,043	557,106	635,230	619,468	622,477	756,258	842,698	875,450	936,433
• Caolín	10,666	8,232	9,177	12,165	94,410	68,890	28,272	16,241	32,648	18,852
• Arena Sílica	1,564,348	1,733,439	1,700,527	1,802,545	1,720,211	1,778,714	1,689,042	2,055,940	2,120,878	2,661,770
• Feldespato	155,760	197,866	262,241	334,439	329,591	332,101	346,315	364,166	373,411	459,209
• Yeso	4,216,299	5,370,700	5,188,969	5,654,060	6,237,056	6,703,109	6,864,890	9,221,458	6,251,968	6,075,892
• Fosforita	713,662	756,349	950,649	1,052,464	787,283	4,764	5,500	350	350	7,500
• Sal	7,932,772	8,412,063	8,235,621	8,884,370	8,501,137	7,801,948	7,546,987	8,565,520	9,507,623	8,377,771
• Wollastonita	1,838	41,264	44,126	30,836	39,830	42,756	31,234	28,224	27,132	44,280
• Celestita	134,707	118,230	164,682	157,420	145,789	94,015	130,329	87,610	110,833	128,321
• Diatomita	ND	ND	ND	96,448	50,911	62,322	67,801	59,818	62,132	62,948
• Sulfato de Sodio	ND	ND	ND	ND	507,000	551,500	586,100	608,000	607,000	614,000
• Sulfato de Magnesio	ND	ND	ND	ND	20,287	22,580	27,100	28,100	27,900	33,000

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
43,710	50,818	62,400	79,376	88,649	102,802	119,773.50	117,771	134,759	132,413	126,820
3,135	3,236	3,554	4,410	4,777	5,358	5,820,991	5,765,662	5,955,151	5,408,521	5,815,034
137,133	141,173	143,838	192,062	223,717	238,091	253,361	250,462	263,772	241,271	243,022
337,527	246,593	240,648	270,136	443,621	500,275	480,124	515,025	594,451	766,129	742,246
452,012	453,588	489,766	570,004	631,859	660,349	642,542	659,878	786,774	661,188	671,444
6,491	7,812	10,167	10,849	10,787	11,366	12,562	14,370	11,327	11,896	13,985
11,886,757	10,402,658	9,496,189	9,240,569	13,718,159	13,656,051	13,065,353	13,453,540	7,245,472	8,130,459	7,279,817
10,916,437	11,688,107	11,680,000	13,998,273	12,805,778	14,915,941	18,839,574	16,627,920	13,461,932	12,089,682	11,712,533
152,446	169,908	118,578	174,761	170,935	188,294	211,559	235,686	217,466	205,645	211,510
1,029,736	1,040,546	1,114,028	993,375	959,488	1,010,875	1,025,841	992,939	858,127	673,285	551,218
9,900	7,229	5,015	6,628	7,348	7,520	7,024	9,160	6,524	3,839	1,746
185,921	140,066	151,791	143,225	134,727	139,997	119,402	130,914	265,598	150,970	359,912
1,123,225	1,233,993	982,650	1,499,744	2,785,314	2,111,114	8,756,485	8,277,102	7,703,854	7,236,944	6,059,970
933,361	1,057,649	1,045,940	1,067,386	1,206,907	1,237,091	1,210,477	1,109,721	624,574	655,255	724,380
86,784	85,092	78,086	120,094	120,003	163,148	379,110	342,917	155,156	259,551	279,225
2,950,438	2,779,075	2,483,605	2,207,650	2,542,143	3,592,813	2,937,949	2,548,336	1,742,438	2,398,971	2,355,909
438,696	445,519	347,510	398,849	382,497	380,441	164,484	150,726	159,372	122,176	233,050
6,918,973	6,933,279	5,756,936	3,559,579	3,838,348	4,692,510	5,090,863	5,495,594	5,378,147	5,402,691	5,837,419
47,721	969,094	1,421,823	1,507,402	1,690,606	1,724,662	2,217,481	1,733,479	1,929,439	2,909,266	1,925,870
8,032,273	8,808,714	7,445,025	8,430,562	8,769,140	8,730,247	9,461,320	10,250,239	9,088,027	8,906,657	8,671,281
50,809	46,844	29,728	46,548	47,523	55,204	57,302	54,579	57,451	63,683	87,562
96,902	29,621	36,127	31,429	40,669	46,190	67,778	64,931	79,022	33,230	40,699
82,519	128,536	80,807	91,710	84,231	84,537	87,463	87,849	89,810	96,686	96,374
605,000	618,000	606,000	620,000	630,500	638,000	641,500	637,141	732,569	750,021	753,494
33,900	43,053	34,700	39,400	45,598	44,700	45,281	46,942	47,210	55,377	57,092

Fuente: INEGI
 Arena sílica incluye arena para vidrio, cuarzo y siliciosos
 Azufre Incluye la extracción minera y el obtenido en la refinación de petróleo crudo
 ND = No disponible
 Año con mayor producción en el periodo

VOLUMEN DE LA PRODUCCIÓN METALÚRGICA NACIONAL DURANTE EL PERIODO DE 1997-2017 (TONELADAS)

PRODUCTOS	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
I.- METALES PRECIOSOS										
• Oro (Kgs.)	26,031	25,982	23,475	25,822	25,749	23,594	22,177	21,824	26,782	35,899
• Plata (Kgs.)	2,701,329	2,868,099	2,337,554	2,746,852	3,030,437	3,146,257	2,945,710	2,569,477	2,565,586	2,413,147
II.- METALES INDUSTRIALES NO FERROSOS										
• Plomo	180,350	171,610	131,402	160,607	148,625	138,749	144,297	110,931	121,669	120,450
• Cobre	338,933	344,756	340,147	338,999	349,360	314,820	303,765	352,286	373,252	327,536
• Zinc	377,861	371,898	339,758	358,576	427,273	431,662	412,255	374,428	427,061	432,347
• Antimonio	1,909	1,301	273	52	81	155	434	503	565	778
• Arsénico	2,998	2,573	2,419	2,522	2,381	1,946	1,729	1,828	1,664	1,595
• Bismuto	1,642	1,204	548	1,112	1,390	1,126	1,064	1,014	970	1,186
• Estaño	5	5	4	4	8	9	21	24	17	25
• Cadmio	1,872	1,739	1,311	1,297	1,434	1,389	1,638	1,618	1,627	1,399
• Selenio	0	0	0	0	0	0	0	0	0	0
• Tungsteno	179	130	11	0	0	0	0	0	0	0
• Titanio	ND	ND	ND	3,985	4,256	940	0	0	0	0
III.- METALES Y MINERALES SIDERÚRGICOS										
• Coque	2,139,376	2,202,558	2,219,845	2,235,032	2,064,483	1,451,091	1,462,106	1,445,052	1,491,847	1,569,561
• Fierro (Pellets)	6,279,783	6,334,257	6,885,217	6,795,406	5,269,820	5,965,427	6,759,198	6,889,538	7,012,306	6,589,586

2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
39,355	50,365	51,393	72,596	84,118	96,650	97,967	98,166	123,364	116,924	100,989
2,351,570	2,668,028	2,693,265	3,499,470	4,150,347	4,496,393	4,860,923	4,729,407	4,959,383	4,109,608	4,000,075
89,838	100,725	100,361	158,206	182,202	210,382	200,362	196,746	212,964	159,044	165,654
335,502	268,620	227,750	237,609	402,430	439,531	409,172	452,419	485,528	490,999	463,349
426,509	397,306	384,478	518,429	447,948	500,125	420,915	449,146	454,626	384,248	401,479
414	380	74	71	5	0	0	0	0	0	0
513	ND	0	0	0	0	0	0	0	0	0
1,170	1,132	854	982	935	800	824	948	601	539	513
19	15	0	0	0	0	0	0	0	0	0
1,605	1,550	1,510	1,464	1,485	1,482	1,451	1,409	1,283	1,244	1,142
0	0	0	62	95	95	132	120	99	121	112
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
1,536,325	1,547,391	1,315,444	1,648,439	2,121,866	2,166,046	2,216,314	2,229,899	1,778,725	1,368,136	1,295,342
7,323,121	7,725,959	7,073,440	7,931,194	7,763,048	8,047,183	8,093,547	7,855,096	7,581,577	6,969,582	6,927,642

Fuente: INEGI
 ND = No disponible
 Año con mayor producción en el período

VOLUMEN MENSUAL DE LA PRODUCCIÓN MINERO-METALÚRGICA EN 2017
 (Toneladas)

PRODUCTO	ENE	FEB	MAR	ABR	MAY	JUN
MINERALES PRECIOSOS ^{a/}						
Oro (Kg)	8,715	8,529	9,805	8,160	8,358	9,390
Plata (Kg)	319,013	324,009	355,911	306,071	310,758	331,488
MINERALES INDUSTRIALES NO FERROSOS ^{a/}						
Plomo	13,295	14,194	13,588	12,837	13,254	13,600
Cobre	40,417	38,019	41,207	35,449	36,439	42,362
Zinc	39,080	31,890	30,350	37,417	36,521	34,219
Bismuto	50	50	50	50	39	40
Cadmio	114	100	94	93	105	93
Selenio	7	9	9	9	11	11
Molibdeno	992	983	1,085	1,207	1,128	1,128
MINERALES SIDERÚRGICOS						
Carbón No Coquizable ^{b/}	532,001	554,368	596,211	652,746	708,279	703,792
Coque ^{b/}	111,901	101,728	112,318	109,486	111,829	104,318
Pellets de Fierro ^{a/}	642,703	548,051	554,427	602,773	622,271	569,159
Manganeso ^{a/}	18,199	11,372	21,828	19,167	19,967	18,778
MINERALES NO METÁLICOS ^{b/}						
Azufre ^{c/}	51,008	44,574	57,697	54,284	49,751	49,457
Grafito	180	180	179	91	180	0
Barita	27,595	26,920	30,029	29,210	29,260	31,052
Dolomita	489,103	486,199	507,373	506,653	509,925	509,599
Fluorita	61,541	62,522	60,325	62,389	64,118	57,461
Caolín	21,086	22,875	22,466	23,080	27,175	27,361
Arena Sílica	193,747	194,904	194,325	194,614	194,469	200,303
Yeso	495,677	417,924	446,514	418,853	504,730	501,889
Fosforita	212,311	207,291	197,879	209,392	163,787	202,362
Wollastonita	5,658	6,147	8,185	8,109	7,214	8,649
Celestita	1,900	2,212	3,806	3,148	5,286	4,660
Feldespató	18,280	20,374	19,328	19,328	19,676	19,445
Sal	652,333	615,035	777,450	575,488	627,731	663,238
Diatomita	7,869	8,026	7,948	7,987	7,968	8,207
Sulfato de Sodio	66,837	61,024	67,199	58,369	63,999	61,446
Sulfato de Magnesio	5,052	4,220	4,593	5,001	4,959	5,150
Carbón Todo Uno	1,040,114	897,635	990,007	1,174,333	1,156,230	1,179,393
Carbón Lavado	408,611	365,595	409,830	441,998	373,348	371,475
Fierro en Extracción ^{a/}	1,073,238	1,026,578	1,228,511	1,067,150	806,262	966,803

JUL	AGO	SEP	OCT	NOV	DIC	TOTAL
7,908	8,224	7,970	7,485	7,845	8,600	100,989
311,515	361,847	357,179	328,218	322,059	372,007	4,000,075
13,151	14,144	13,950	15,041	13,229	15,371	165,654
37,701	39,382	38,281	38,253	37,341	38,498	463,349
29,588	33,576	31,150	34,557	33,429	29,702	401,479
40	46	30	40	40	38	513
51	96	62	106	138	90	1,142
9	10	11	6	10	10	112
1,208	1,448	1,143	1,164	1,234	1,265	13,985
619,147	620,187	557,634	583,565	586,344	565,543	7,279,817
108,123	105,570	97,035	110,916	111,587	110,531	1,295,342
578,304	601,890	566,799	504,083	558,351	578,831	6,927,642
10,309	14,609	19,453	19,459	19,052	19,317	211,510
52,397	45,264	37,247	38,653	34,771	36,115	551,218
179	215	179	272	91	0	1,746
30,750	33,101	29,911	30,171	31,285	30,628	359,912
506,463	510,824	519,405	493,562	512,636	508,228	6,059,970
58,538	68,287	63,712	59,088	48,890	57,509	724,380
20,041	22,108	23,601	22,903	23,825	22,704	279,225
196,463	197,077	197,948	197,162	197,395	197,502	2,355,909
520,741	500,402	439,119	601,501	503,571	486,498	5,837,419
127,883	130,784	112,382	123,041	119,488	119,270	1,925,870
7,349	7,718	7,492	7,398	7,417	6,226	87,562
4,643	2,786	2,108	3,851	3,918	2,381	40,699
19,483	19,535	19,487	19,279	19,435	19,400	233,050
779,316	853,538	792,972	796,847	764,163	773,170	8,671,281
8,054	8,076	8,112	8,003	8,064	8,060	96,374
64,544	64,560	60,540	59,157	62,383	63,436	753,494
5,141	4,900	4,952	4,221	4,501	4,402	57,092
1,027,716	994,439	992,555	1,088,877	1,144,236	1,062,494	12,748,029
407,040	407,138	349,156	356,586	389,233	356,540	4,636,550
800,660	932,034	898,285	1,030,471	986,530	896,011	11,712,533

Fuente: INEGI
a/ Contenido Metálico
b/ Volumen del Mineral
c/ Obtenido en la Refinación del Petróleo Crudo

VALOR MENSUAL DE LA PRODUCCIÓN MINERO-METALÚRGICA EN 2017
(Miles de pesos a precios corrientes)

PRODUCTO	ENE	FEB	MAR	ABR	MAY	JUN
T O T A L	22,199,585.1	21,009,638.6	21,640,441.9	19,133,380.0	18,942,394.1	19,918,171.7
MINERALES PRECIOSOS	10,846,622.9	10,679,128.3	11,413,694.0	9,573,660.6	9,423,663.7	10,186,587.0
Oro	7,140,719.2	6,880,795.2	7,511,275.5	6,241,318.3	6,283,820.7	6,909,491.9
Plata	3,705,903.7	3,798,333.0	3,902,418.5	3,332,342.3	3,139,842.9	3,277,095.0
MINERALES INDUSTRIALES NO FERROSOS	8,216,649.4	7,461,592.8	7,284,197.3	6,636,874.5	6,528,845.8	6,851,161.3
Plomo	635,679.5	670,044.5	598,934.6	537,889.7	530,251.4	526,399.0
Cobre	4,957,184.3	4,592,981.0	4,643,195.3	3,792,849.1	3,823,942.4	4,384,842.6
Zinc	2,266,543.4	1,846,907.8	1,634,085.9	1,850,044.0	1,775,383.2	1,598,351.3
Bismuto	10,365.1	9,422.1	9,163.2	9,297.4	7,732.9	7,381.5
Cadmio	3,626.5	3,173.6	2,980.2	3,007.9	3,398.3	2,755.4
Selenio	4,536.1	5,510.7	6,471.1	7,515.1	9,305.1	8,427.4
Molibdeno	338,714.5	333,553.0	389,367.1	436,271.3	378,832.5	323,004.1
MINERALES SIDERÚRGICOS	1,792,823.9	1,545,606.8	1,590,895.8	1,708,037.3	1,795,696.7	1,632,889.8
Carbón No Coquizable	293,654.4	314,993.6	329,562.2	355,180.0	403,752.3	394,445.9
Coque	587,885.1	546,931.2	608,373.5	614,501.2	641,737.4	572,660.0
Fierro	776,393.3	629,151.0	576,370.4	658,063.9	657,541.6	574,851.4
Manganeso	134,891.1	54,530.9	76,589.7	80,292.2	92,665.4	90,932.5
MINERALES NO METÁLICOS	1,343,488.9	1,323,310.7	1,351,654.8	1,214,807.5	1,194,187.9	1,247,533.6
Azufre	50,611.2	47,550.7	59,399.1	26,963.8	25,160.8	24,789.1
Grafito	824.2	920.0	925.7	383.3	750.6	0.0
Barita	67,043.8	55,868.7	63,548.6	59,941.9	51,291.4	70,121.8
Dolomita	78,021.7	81,437.8	84,985.5	75,552.1	75,795.3	85,358.3
Fluorita	204,173.3	206,852.0	190,240.6	203,283.9	204,607.8	184,976.7
Caolín	50,603.4	81,206.3	88,927.6	82,003.2	96,552.8	97,295.7
Arena Sílica	23,690.2	34,875.9	36,499.3	36,847.0	36,709.3	38,730.8
Yeso	84,024.2	96,887.3	71,479.7	74,996.9	81,963.6	76,683.6
Fosforita	293,961.4	274,871.8	249,018.7	250,677.2	193,490.9	233,075.7
Wollastonita	24,868.2	26,754.1	32,997.4	30,527.1	26,853.2	30,043.7
Celestita	2,118.7	2,319.6	3,812.3	3,072.6	5,183.6	4,387.0
Feldespato	4,376.8	4,899.5	4,631.6	4,527.6	4,941.0	4,718.5
Sal	208,134.7	188,056.2	227,928.9	161,445.7	174,298.3	177,728.6
Diatomita	28,990.3	29,712.7	28,536.7	28,677.9	28,609.1	29,467.5
Sulfato de Sodio	205,271.2	177,852.7	193,965.5	160,373.7	172,982.7	173,993.8
Sulfato de Magnesio	16,775.6	13,245.5	14,757.7	15,533.5	14,997.6	16,162.6

JUL	AGO	SEP	OCT	NOV	DIC	TOTAL
17,587,973.6	19,815,316.2	19,461,036.3	20,082,566.8	20,289,788.3	21,646,842.0	241,727,134.5
8,494,976.2	9,553,486.4	9,567,273.2	9,135,824.8	9,453,799.0	10,747,616.6	119,076,332.6
5,609,368.4	6,041,327.5	6,000,301.9	5,780,045.1	6,124,011.3	6,832,032.5	77,354,507.6
2,885,607.8	3,512,158.9	3,566,971.3	3,355,779.7	3,329,787.7	3,915,584.1	41,721,824.9
6,379,437.7	7,409,637.3	7,215,314.3	8,132,121.6	7,951,395.5	7,974,700.0	88,041,927.5
531,683.8	593,801.6	590,959.2	707,605.0	617,539.8	720,087.3	7,260,875.5
4,020,571.4	4,543,514.4	4,490,610.2	4,880,854.3	4,827,820.9	4,959,452.3	53,917,817.9
1,469,915.3	1,783,027.4	1,731,718.8	2,123,733.5	2,049,183.9	1,823,551.6	21,952,446.1
7,401.0	8,234.2	5,841.3	8,814.7	8,625.0	8,310.8	100,589.1
1,416.4	2,669.8	1,709.4	4,043.9	6,027.9	3,377.1	38,186.4
6,179.5	6,126.8	6,615.8	4,325.3	7,483.3	7,686.9	80,183.1
342,270.2	472,263.1	387,859.5	402,744.9	434,714.8	452,234.1	4,691,829.2
1,537,265.1	1,597,552.4	1,544,113.1	1,616,018.4	1,724,443.7	1,752,093.8	19,837,436.9
341,755.5	343,410.6	309,419.4	331,549.0	337,805.7	353,303.2	4,108,831.7
584,759.7	591,071.9	557,442.4	663,938.6	721,554.3	670,445.0	7,361,300.5
561,879.3	592,895.7	582,231.2	516,867.6	563,935.3	626,254.6	7,316,435.3
48,870.6	70,174.3	95,020.1	103,663.3	101,148.3	102,091.0	1,050,869.4
1,176,294.6	1,254,640.1	1,134,335.6	1,198,602.0	1,160,150.2	1,172,431.5	14,771,437.6
40,901.9	40,194.7	34,069.2	34,839.7	51,479.2	39,685.0	475,644.3
465.4	705.7	861.0	1,343.7	437.7	0.0	7,617.3
61,800.4	65,207.1	62,474.1	73,155.4	74,847.1	68,717.0	774,017.3
84,832.6	85,562.5	87,001.4	82,672.1	83,604.3	83,441.9	988,265.5
189,486.7	220,409.6	206,064.0	190,840.8	158,497.1	186,066.9	2,345,499.5
71,237.0	78,600.5	68,273.6	66,841.6	62,389.5	60,633.3	904,564.5
39,539.4	40,658.2	41,241.9	41,283.9	41,635.1	41,674.3	453,385.4
82,880.1	83,774.8	68,020.0	101,234.4	81,228.0	81,759.4	984,932.1
145,538.3	165,130.1	126,242.1	143,621.7	144,005.3	144,638.4	2,364,271.4
29,176.4	28,366.2	26,652.5	31,144.5	28,316.4	28,477.8	344,177.5
4,275.9	2,592.5	2,083.2	3,689.9	3,884.9	2,311.8	39,732.1
5,240.9	5,265.9	5,132.5	4,953.3	4,923.6	4,893.7	58,504.9
207,769.5	226,715.1	210,302.5	223,142.7	216,971.9	220,208.9	2,442,702.8
28,918.3	29,462.9	29,367.5	28,820.6	29,306.0	29,518.9	349,388.4
168,787.5	166,712.8	152,081.6	158,420.8	165,126.9	167,351.3	2,062,920.6
15,444.4	15,281.4	14,468.5	12,597.0	13,497.4	13,053.0	175,814.2

Fuente: INEGI

NOTAS:

El Valor de la Producción para los Metales excepto el Arsénico, el Bismuto, el Selenio y el Pellet de Hierro, se obtienen con las Cotizaciones Internacionales; para los Minerales No Metálicos el Valor de la Producción se obtiene de los Precios del Mercado Nacional.

La suma de los parciales puede no coincidir con los totales debido al redondeo.

COTIZACIONES INTERNACIONALES EN 2017

PRODUCTO	UNI	ENE	FEB	MAR	ABR	MAY
METALES PRECIOSOS						
Oro	Dls * Oz. Tr	1,192.098000	1,234.203000	1,231.093000	1,266.884000	1,246.036000
Plata	Dls * Oz. Tr	16.902000	17.933150	17.619560	18.033420	16.744770
METALES INDUSTRIALES NO FERROSOS						
Plomo	Dls * Lib	1.014563	1.053135	1.032986	1.012120	0.966924
Cobre	Dls * Lib	2.602498	2.695088	2.640643	2.584462	2.536305
Zinc	Dls * Lib	1.230617	1.292046	1.261797	1.194342	1.174932
Antimonio	Dls * Lib	4.000000	4.000000	4.000000	4.000000	4.000000
Arsénico	\$ * Kg	14.078011	14.259663	14.392206	14.492439	14.519552
Bismuto	\$ * Kg	207.301274	188.442511	183.263188	185.948683	198.279693
Estaño	Dls * Kg	21.340383	20.058968	20.260136	20.499885	20.852927
Cadmio	Dls * Lib	0.675000	0.708000	0.743000	0.781250	0.782220
Selenio	Dls * Kg	13.750000	13.660000	16.850000	20.170000	20.445000
Molibdeno	Dls * Lib	7.245000	7.570000	8.410000	8.731000	8.117000
METALES Y MINERALES SIDERÚRGICOS						
Carbón No Coquizable	\$ * Kg	0.551981	0.568203	0.552761	0.544132	0.570047
Coque	\$ * Kg	5.253618	5.376408	5.416527	5.612601	5.738560
Fierro	\$ * Kg	1.208013	1.147979	1.039579	1.091728	1.056681
Manganeso	Dls * Kg	0.346720	0.235840	0.181280	0.223080	0.247280
MINERALES NO METÁLICOS						
Azufre	\$ * Kg	0.992220	1.066780	1.029500	0.496718	0.505734
Grafito	\$ * Kg	4.579067	5.111111	5.171285	4.211934	4.169911
Barita	\$ * Kg	2.429564	2.075359	2.116241	2.052103	1.752952
Dolomita	\$ * Kg	0.159520	0.167499	0.167501	0.149120	0.148640
Fluorita	\$ * Kg	3.317679	3.308467	3.153595	3.258329	3.191114
Caolín	\$ * Kg	2.399860	3.550000	3.958318	3.553000	3.553000
Arena Sílica	\$ * Kg	0.122274	0.178939	0.187826	0.189334	0.188767
Yeso	\$ * Kg	0.169514	0.231830	0.160084	0.179053	0.162391
Fosforita	\$ * Kg	1.384579	1.326019	1.258439	1.197167	1.181357
Wollastonita	\$ * Kg	4.395235	4.352391	4.031445	3.764591	3.722371
Celestita	\$ * Kg	1.115106	1.048659	1.001662	0.976061	0.980624
Feldespato	\$ * Kg	0.239433	0.240477	0.239630	0.234253	0.251117
Sal	\$ * Kg	0.319062	0.305765	0.293175	0.280537	0.277664
Diatomita	\$ * Kg	3.684114	3.702051	3.590426	3.590573	3.590498
Sulfato de Sodio	\$ * Kg	3.071221	2.914472	2.886435	2.747584	2.702897
Sulfato de Magnesio	\$ * Kg	3.320577	3.138738	3.213092	3.106072	3.024329
Dólar	\$ * Dls	21.377500	20.332400	19.355600	18.778400	18.767900

JUN	JUL	AGO	SEP	OCT	NOV	DIC	TOTAL
1,260.257000	1,236.845000	1,283.041000	1,314.073000	1,279.514000	1,281.900000	1,291.829000	1,259.814417
16.931130	16.152000	16.951730	17.431500	16.941360	16.977140	17.116667	17.144536
0.966704	1.028041	1.069280	1.078337	1.136856	1.117856	1.111016	1.048985
2.585284	2.711891	2.938504	2.986136	3.083295	3.096078	3.055170	2.792946
1.166629	1.263320	1.352563	1.415135	1.485066	1.467922	1.456041	1.313368
4.000000	4.000000	4.040000	4.050000	4.020000	3.800000	3.956667	3.988889
14.400822	14.171337	13.967077	13.867618	13.846391	13.847773	13.848465	14.140946
184.537500	185.025000	179.004274	194.711111	220.366667	215.625000	218.704167	196.767422
20.225833	20.899466	21.181168	21.428566	21.095431	20.032336	20.852111	20.727268
0.740000	0.706250	0.705000	0.701850	0.921875	1.046000	0.889908	0.783363
19.135000	17.460000	15.605000	15.310000	17.420000	17.920000	18.230000	17.162917
7.152000	7.205000	8.307000	8.638000	8.361000	8.436000	8.478333	8.054194
0.560458	0.551978	0.553721	0.554879	0.568144	0.576122	0.624715	0.564762
5.489561	5.408282	5.598863	5.744768	5.985959	6.466294	6.065674	5.679760
1.010002	0.971599	0.985057	1.027227	1.025362	1.010002	1.081930	1.054596
0.266640	0.265760	0.269720	0.274120	0.283800	0.280280	0.276320	0.262570
0.501226	0.780615	0.888007	0.914683	0.901345	1.480521	1.098850	0.888017
4.184022	2.600000	3.282464	4.810000	4.940000	4.810000	4.534835	4.367052
2.258207	2.009770	1.969943	2.088668	2.424692	2.392427	2.243600	2.151127
0.167501	0.167500	0.167499	0.167502	0.167501	0.163087	0.164182	0.163088
3.219170	3.236987	3.227695	3.234305	3.229772	3.241912	3.235440	3.237872
3.556000	3.554561	3.555295	2.892828	2.918466	2.618655	2.670601	3.231715
0.193361	0.201256	0.206306	0.208347	0.209391	0.210923	0.211007	0.192311
0.152790	0.159158	0.167415	0.154901	0.168303	0.161304	0.168057	0.169567
1.151776	1.138058	1.262617	1.123330	1.167267	1.205186	1.212697	1.217374
3.473664	3.970113	3.675334	3.557463	4.209853	3.817764	4.574009	3.962019
0.941427	0.920931	0.930562	0.988217	0.958155	0.991550	0.970938	0.985324
0.242657	0.269000	0.269563	0.263379	0.256929	0.253335	0.252254	0.251002
0.267971	0.266605	0.265618	0.265208	0.280032	0.283934	0.284813	0.282532
3.590535	3.590554	3.648199	3.620258	3.601221	3.634171	3.662400	3.625417
2.831654	2.615076	2.582293	2.512085	2.677972	2.646986	2.638112	2.735566
3.138373	3.004162	3.118659	2.921740	2.984362	2.998764	2.965238	3.077842
18.161200	17.837800	17.809200	17.819200	18.771200	18.942000	19.126500	18.923242

COTIZACIONES DE LOS PRINCIPALES METALES BASE 1987-2017

Año	Oro ^{2/}	Plata ^{2/}	Cobre ^{3/}	Plomo ^{3/}	Zinc ^{3/}
1987	446.53	7.00	81.10	26.99	41.92
1988	437.05	6.53	119.11	29.73	60.20
1989	381.04	5.50	129.53	30.63	82.02
1990	383.51	4.83	119.54	37.22	74.56
1991	362.11	4.01	107.93	25.34	52.77
1992	343.82	3.95	106.02	24.54	58.38
1993	359.78	4.24	90.16	18.43	46.16
1994	384.00	5.37	110.23	24.85	49.23
1995	384.15	5.20	138.33	28.62	53.40
1996	386.61	5.20	109.04	35.12	51.11
1997	331.02	4.90	106.67	28.31	64.56
1998	294.16	5.53	75.91	23.98	51.43
1999	278.11	5.24	72.08	22.80	53.47
2000	279.02	4.97	83.71	20.59	55.23
2001	270.98	4.38	72.56	21.60	43.40
2002	309.90	4.60	70.00	20.50	35.30
2003	363.50	4.88	80.70	23.40	37.60
2004	409.20	6.65	130.00	40.20	47.50
2005	444.90	7.31	166.90	44.30	62.70
2006	604.30	11.57	304.90	58.50	148.60
2007	696.70	13.39	322.90	117.00	147.10
2008	871.70	15.02	315.50	94.80	85.00
2009	972.80	14.65	233.60	78.00	75.10
2010	1,224.70	20.16	341.80	97.50	98.00
2011	1,568.60	35.11	400.10	108.90	99.50
2012	1,668.80	31.15	360.60	93.54	88.40
2013	1,411.00	23.83	333.10	97.70	87.10
2014	1,265.58	19.08	311.20	95.10	98.10
2015	1,160.10	15.70	249.60	81.00	87.70
2016	1,249.00	17.14	220.80	84.70	94.80
2017	1,257.60	17.00	279.90	110.80	131.10

2/ Dólares por onza
3/ Centavos de dólar por libra
Fuente: DGDM con datos del
Metals Week, FMI,
Banco Mundial y CPMG

RESUMEN DE LA PRODUCCIÓN MINERA POR ESTADO PRINCIPALES PRODUCTOS EN 2017

ESTADO Y MUNICIPIO	ORO (Kg)	PLATA (Kg)	PLOMO (Tons)	COBRE (Tons)	ZINC (Tons)	HIERRO (Tons)
TOTAL	126,820.30	5,815,034	243,022	742,246	671,444	11,712,533
AGUASCALIENTES	533	38,226	5,467	1,112	23,561	0
BAJA CALIFORNIA	2,414.80	22,660	0	0	0	5,000
BAJA CALIFORNIA SUR	0	0	0	17,391	0	0
COAHUILA DE ZARAGOZA	0	152,312	0	0	0	3,746,576
COLIMA	0	0	0	0	0	3,064,351
CHIHUAHUA	20,882.10	990,091	36,093	10,075	100,507	527,330
DURANGO	11,712.90	682,622	22,647	5,225	96,415	1,730,097
GUANAJUATO	2,145.40	128,994	0	0	0	0
GUERRERO	15,143.20	26,922	0	0	0	140
HIDALGO	67.9	69,420	6,878	4,002	18,161	0
JALISCO	557.3	108,339	4,770	0	1,403	0
MÉXICO	719.7	202,980	7,444	1,120	37,418	0
MICHOACÁN DE OCAMPO	148.9	157	0	2,677	0	2,539,862
NAYARIT	163.6	4,115	0	0	0	0
OAXACA	2,611.00	288,858	6,474	1,396	17,713	0
PUEBLA	0.00	0	0	0	0	97,622
QUERÉTARO	444.7	20,159	5,603	1,052	6,148	0
SAN LUIS POTOSÍ	2,041.30	152,502	2,002	30,849	33,819	0
SINALOA	2,845.70	68,527	4,295	1,365	9,384	0
SONORA	42,290.40	408,842	0	624,265	0	1,555
ZACATECAS	22,098.40	2,449,308	141,349	41,717	326,915	0

Fuente: INEGI
Las sumas de los parciales pueden no coincidir con los totales debido al redondeo

RESUMEN DE LA PRODUCCIÓN MINERA POR ENTIDAD Y MUNICIPIO EN 2017^{1/}

ESTADO Y MUNICIPIO	ORO (Kg)	PLATA (Kg)	PLOMO (Tons)	COBRE (Tons)	ZINC (Tons)
TOTAL	126,820.3	5,815,034	243,022	742,246	671,444
AGUASCALIENTES	533.0	38,226	5,467	1,112	23,561
Asientos	533.0	38,226	5,467	1,112	23,561
BAJA CALIFORNIA	2,414.8	22,660	0	0	0
Mexicali	2,414.8	22,660	-	-	-
BAJA CALIFORNIA SUR	0.0	0	0	17,391	0
Mulegé	-	-	-	17,391	-
COAHUILA DE ZARAGOZA	0.0	152,312	0	0	0
Ocampo	0.0	152,312	-	-	-
CHIHUAHUA	20,882.1	990,091	36,093	10,075	100,507
Aquiles Serdán	1.0	17,328	4,766	247	14,805
Ascensión	2.1	14,429	2,347	1,713	35,969
Cusihuirachi	13.3	10,879	800	-	653
Chínipas	4,203.9	261,816	-	-	-
Guadalupe y Calvo	2,574.7	184,614	-	-	-
Hidalgo del Parral	87.8	19,378	860	26	870
Madera	2,893.4	115,916	-	-	-
Matamoros	-	-	167	-	224
Ocampo	9,119.0	197,130	-	-	-
San Francisco del Oro	71.9	43,022	8,816	2,278	17,257
Santa Bárbara	131.0	87,232	18,337	4,108	30,729
Temósachic	1,430.0	7,841	-	-	-
Urique	354.0	30,506	-	1,703	0
DURANGO	11,712.9	682,622	22,647	5,225	96,415
Canelas	-	973	24	-	-
Cuencamé	993.4	43,820	5,310	2,865	81,327
Guanaceví	335.2	70,157	422	139	448
Mapimí	-	5,373	1,224	-	802
Nombre de Dios	22.2	53,809	6,560	-	1,794
Otáez	1,673.8	150,593	-	-	-
Pánuco de Coronado	217.1	41,940	150	1,871	150
San Dimas	1,394.0	98,827	-	-	-
San Juan del Río	3,955.0	259	-	-	-
Santiago Papasquiaro	3,021.7	177,787	6,585	343	8,776
Tepehuanes	66.2	13,932	281	-	276
Topia	34.3	25,152	2,091	7	2,842
GUANAJUATO	2,145.4	128,994	0	0	0
Guanajuato	2,145.4	128,994	-	-	-
GUERRERO	15,143.2	26,922	0	0	0
Cocula	9,027.1	21,421	-	-	-
Eduardo Neri	6,116.1	5,501	-	-	-

CONTINÚA ...

RESUMEN DE LA PRODUCCIÓN MINERA POR ENTIDAD Y MUNICIPIO EN 2017^{1/}

ESTADO Y MUNICIPIO	ORO (Kg)	PLATA (Kg)	PLOMO (Tons)	COBRE (Tons)	ZINC (Tons)
HIDALGO	67.9	69,420	6,878	4,002	18,161
Mineral del Chico	10.2	2,931	-	-	-
Pachuca de Soto	57.7	16,626	-	-	-
Zimapan	0.0	49,863	6,878	4,002	18,161
JALISCO	557.3	108,339	4,770	0	1,403
Bolaños	-	34,633	4,762	-	1,403
Etzatlán	40.0	-	8	-	-
San Martín de Bolaños	211.3	56,531	-	-	-
San Sebastián del Oeste	306.0	17,175	-	-	-
MÉXICO	719.7	202,980	7,444	1,120	37,418
Temascaltepec	172.7	19,025	-	-	-
Zacazonapan	534.0	155,192	7,000	1,120	36,596
Zacualpan	13.0	28,763	444	-	822
MICHOACÁN DE OCAMPO	148.9	157	0	2,677	0
Arteaga	6.0	157	-	-	-
Churumuco	56.9	0	-	711	-
Huetamo	0.0	-	-	898	-
Turicato	86.0	-	-	1,068	-
NAYARIT	163.6	4,115	0	0	0
Compostela	56.9	476	-	-	-
Santa María del Oro	106.7	3,639	-	-	-
OAXACA	2,611.0	288,858	6,474	1,396	17,713
San José del Progreso	1,741.0	234,076	-	-	-
San Pedro Totolápan	870.0	54,782	6,474	1,396	17,713
QUERÉTARO	444.7	20,159	5,603	1,052	6,148
Cadereyta de Montes	-	18,659	5,603	1,052	6,148
Colón	444.7	1,500	-	-	-
SAN LUIS POTOSÍ	2,041.3	152,502	2,002	30,849	33,819
Cerro de San Pedro	971.3	17,549	-	-	-
Charcas	-	46,627	2,002	3,891	33,819
Villa de la Paz	1,070.0	88,326	-	26,958	-

CONTINÚA ...

RESUMEN DE LA PRODUCCIÓN MINERA POR ENTIDAD Y MUNICIPIO EN 2017^{1/}

ESTADO Y MUNICIPIO	ORO (Kg)	PLATA (Kg)	PLOMO (Tons)	COBRE (Tons)	ZINC (Tons)
SINALOA	2,845.7	68,527	4,295	1,365	9,384
Concordia	58.2	7,348	-	-	-
Cosalá	28.8	57,062	4,295	1,365	9,384
Mocorito	1,417.7	519	-	-	-
Rosario	1,341.0	3,598	-	-	-
SONORA	42,290.4	408,842	0	624,265	0
Alamos	95.1	23,651	-	27,126	-
Altar	1,991.0	4,436	-	-	-
Banámichi	1,290.0	67,335	-	-	-
Caborca	19,293.9	17,614	-	-	-
Cananea	1,420.2	155,139	-	432,762	-
La Colorada	2,445.2	29,163	-	-	-
Cururpe	3,234.3	31,049	-	-	-
Magdalena	1,508.0	-	-	-	-
Nacozari de García	279.7	62,915	-	134,848	-
Sahuaripa	8,144.0	16,330	-	-	-
San Javier	-	-	-	9,532	-
Santa Ana	2,589.0	1,210	-	-	-
Santa Cruz	-	-	-	19,997	-
ZACATECAS	22,098.4	2,449,308	141,349	41,717	326,915
Chalchihuites	169.3	373,753	13,229	-	6,680
Fresnillo	3,457.3	1,167,812	39,684	-	63,626
General Pánfilo Natera	-	14,674	314	-	196
Jerez	10.1	812	26	27	-
Mazapil	15,229.4	684,416	68,024	15,627	184,941
Melchor Ocampo	2.1	41	-	0	-
Miguel Auza	-	22,341	1,934	-	2,353
Morelos	-	68,482	10,222	19,506	56,806
Ojocaliente	3,223.8	617	-	-	-
Sombrerete	-	115,734	7,438	6,545	11,571
Vetagrande	0.0	40	466	-	742
Villanueva	4.9	346	12	12	-
Zacatecas	1.5	240	-	-	-

Fuente: INEGI

Nota: (1) Contenido metálico

Las sumas de los parciales pueden no coincidir con los totales debido al redondeo

Feldespatio	Fluorita	Fosforita	Grafito	Manganeso	Molibdeno	Sal	Arena Silica	Wollastonita	Yeso	Sulfato de Sodio	Sulfato de Magnesio
233,050	724,380	1,925,870	1,746	211,510	13,985	8,671,281	2,355,909	87,562	5,837,419	753,494	57,092
0	0	0	0	0	0	2,027	0	0	0	0	0
-	-	-	-	-	-	2,027	-	-	-	-	-
0	0	1,858,198	0	0	0	6,883,723	0	0	3,192,296	0	0
-	-	-	-	-	-	6,883,723	-	-	3,192,296	-	-
-	-	1,858,198	-	-	-	-	-	-	-	-	-
0	116,192	0	0	0	0	0	985,460	0	214,070	753,494	57,092
-	-	-	-	-	-	-	-	-	-	-	-
-	46,269	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	4,481	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	985,460	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	69,923	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	209,589	-	-
-	-	-	-	-	-	-	-	-	-	753,494	57,092
0	0	0	0	0	0	24,223	0	0	176,248	0	0
-	-	-	-	-	-	14,522	-	-	-	-	-
-	-	-	-	-	-	-	-	-	0	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	9,701	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	176,248	-	-
0	0	0	0	0	0	0	0	0	38,100	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	0	-	-	-	-
-	-	-	-	-	-	-	-	-	38,100	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	309	0	0	0	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	309	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

Feldespató	Fluorita	Fosforita	Grafito	Manganeso	Molibdeno	Sal	Arena Sílica	Wollastonita	Yeso	Sulfato de Sodio	Sulfato de Magnesio
233,050	724,380	1,925,870	1,746	211,510	13,985	8,671,281	2,355,909	87,562	5,837,419	753,494	57,092
0	0	0	0	0	0	69,323	0	0	4,801	0	0
-	-	-	-	-	-	-	-	-	4,801	-	-
-	-	-	-	-	-	69,323	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	0	67,672	0	204,307	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	197,635	-	-	-	-	-	-	-
-	-	67,672	-	-	-	-	-	-	-	-	-
-	-	-	-	6,672	-	-	-	-	-	-	-
83	0	0	0	0	0	0	0	0	14,312	0	0
-	-	-	-	-	-	-	-	-	150	-	-
-	-	-	-	-	-	-	-	-	-	-	-
83	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	13,933	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	229	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	385	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	385	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	0	0	0	0	0	0	0	0	0	0	0
-	-	-	-	-	-	-	-	-	0	-	-
0	0	0	0	0	0	0	0	0	38,927	0	0
-	-	-	-	-	-	-	-	-	38,927	-	-
0	0	0	0	0	0	283,544	295,584	0	1,374,500	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	0	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	283,544	-	-	407,503	-	-
-	-	-	-	-	-	-	-	-	966,997	-	-

CONTINÚA ●●●

Feldespatos	Fluorita	Fosforita	Grafito	Manganeso	Molibdeno	Sal	Arena Sílica	Wollastonita	Yeso	Sulfato de Sodio	Sulfato de Magnesio
233,050	724,380	1,925,870	1,746	211,510	13,985	8,671,281	2,355,909	87,562	5,837,419	753,494	57,092
0	0	0	0	0	0	4,791	0	0	0	0	0
-	-	-	-	-	-	903	-	-	-	-	-
-	-	-	-	-	-	2,974	-	-	-	-	-
-	-	-	-	-	-	201	-	-	-	-	-
-	-	-	-	-	-	301	-	-	-	-	-
-	-	-	-	-	-	412	-	-	-	-	-
232,967	0	0	0	0	0	0	0	0	25,000	0	0
232,967	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	25,000	-	-
-	-	-	-	-	-	-	-	-	-	-	-
0	607,879	0	0	0	0	0	0	0	590,435	0	0
-	-	-	-	-	-	-	-	-	13,933	-	-
-	-	-	-	-	-	-	-	-	186,279	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	390,223	-	-
-	607,879	-	-	-	-	-	-	-	-	-	-
0	0	0	1,746	0	13,985	244,572	4,240	87,562	168,345	0	0
-	-	-	-	-	-	-	-	-	168,296	-	-
-	-	-	-	-	-	7,943	0	-	-	-	-
-	-	-	-	-	3,765	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	1,746	-	-	-	-	-	-	-	-
-	-	-	-	-	-	31,502	-	87,562	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	9,495	-	-	-	-	-
-	-	-	-	-	10,220	-	4,240	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	49	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	195,632	-	-	-	-	-
0	0	0	0	7,203	0	1,047,496	1,070,625	0	0	0	0
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	794,825	-	-	-	-	-
-	-	-	-	-	-	252,671	902,967	-	-	-	-
-	-	-	-	7,203	-	-	-	-	-	-	-
-	-	-	-	-	-	-	167,658	-	-	-	-
0	0	0	0	0	0	29,742	0	0	0	0	0
-	-	-	-	-	-	29,742	-	-	-	-	-
0	0	0	0	0	0	81,840	0	0	0	0	0

Fuente: INEGI

NOTAS:

A/ En este cuadro no se muestra la producción de metales que se recuperan en los procesos de fundición y refinación del Plomo y Cobre; sin embargo su producción es la siguiente: en la Refinería de Plomo que se encuentra ubicada en Torreón, Coah., se obtienen: Bismuto, 513 tons.; Antimonio y Estaño producción nula. Por otra parte en la Fundición de Cobre en San Luis Potosí, se obtiene como subproducto el Arsénico el cual no registro producción este año.

B/ El Selenio se recupera a partir de 2010 con una producción de 112 toneladas.

C/ En el caso del Azufre, este se recupera en las Refinerías de Petróleo que se ubican en las siguientes entidades: Chiapas 216 101 tons., Guanajuato 18 773 tons.,

Hidalgo 18 514 tons., Nuevo León 51 388 tons., Oaxaca 8 685 tons.,

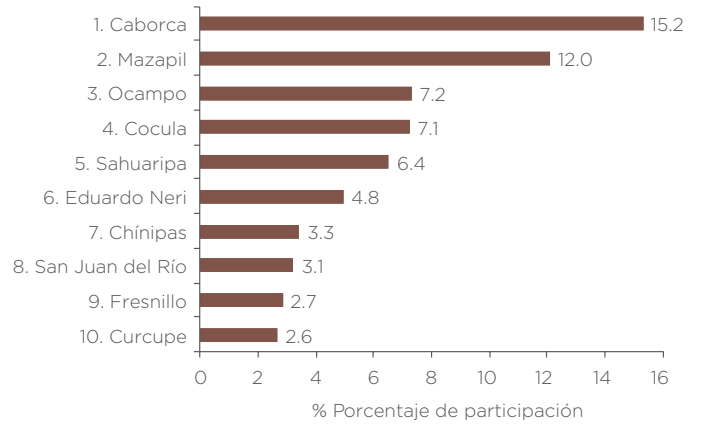
Tabasco 195 590 tons., Tamaulipas 14 587 tons., y Veracruz de Ignacio de la Llave 27 580 tons. El Total Nacional es de 551 218 tons.

1/ Se considera como origen el lugar donde se encuentran ubicadas las Plantas Coquizadoras, ya que el origen del mineral utilizado como materia prima se regis

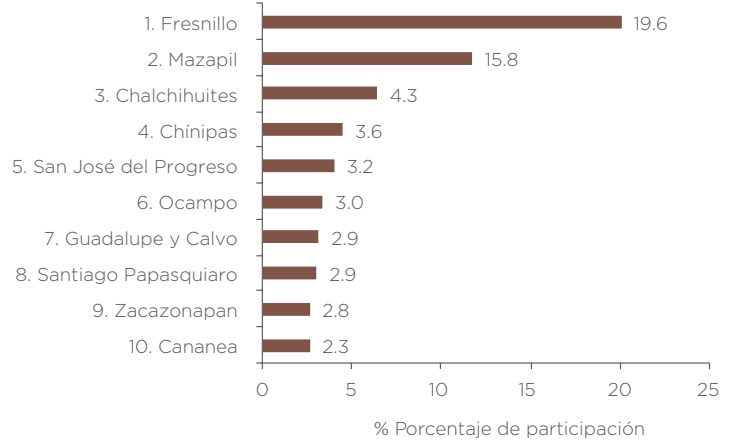
2/ Contenido Metálico en Producción de Mina

3/ Contenido Metálico en Producción de Pellets, considerando como origen el lugar donde se encuentran ubicadas las Plantas Pelletizadoras; ya que el origen del mineral utilizado se registra en la columna relativa a Producción de Mina

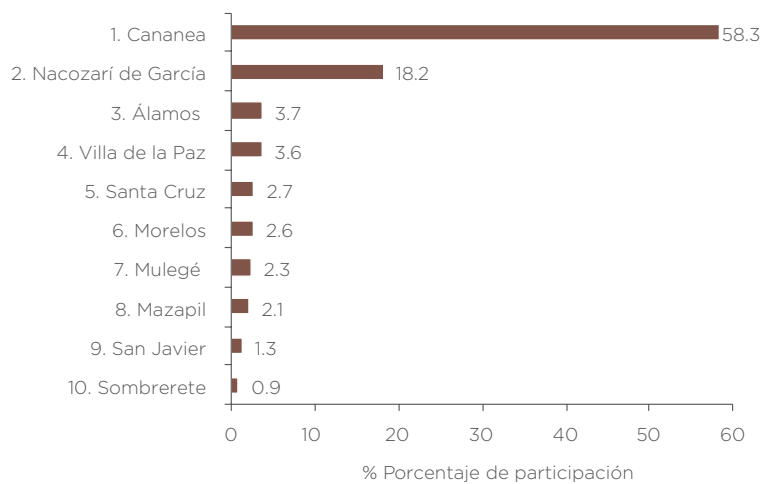
PRINCIPALES MUNICIPIOS PRODUCTORES DE ORO DURANTE 2017



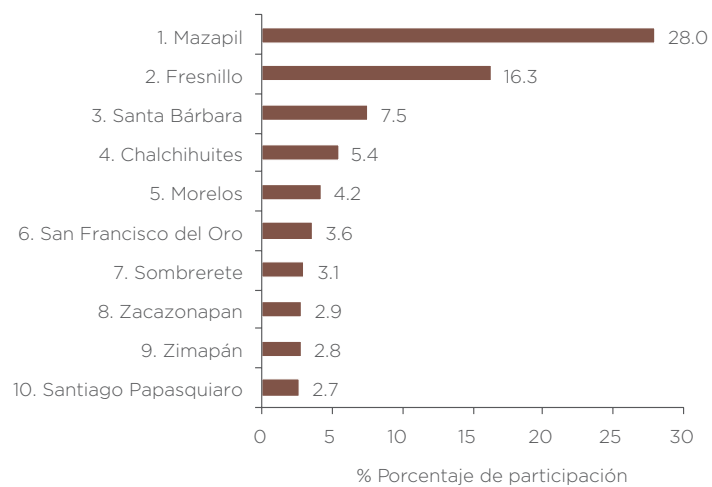
PRINCIPALES MUNICIPIOS PRODUCTORES DE PLATA DURANTE 2017



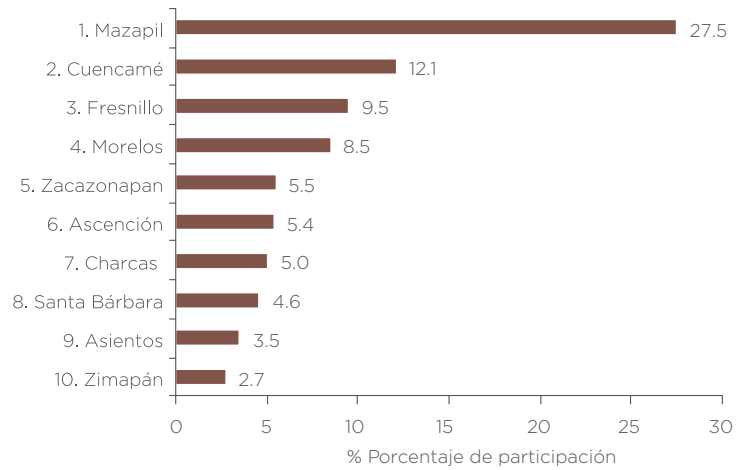
PRINCIPALES MUNICIPIOS PRODUCTORES DE COBRE DURANTE 2017



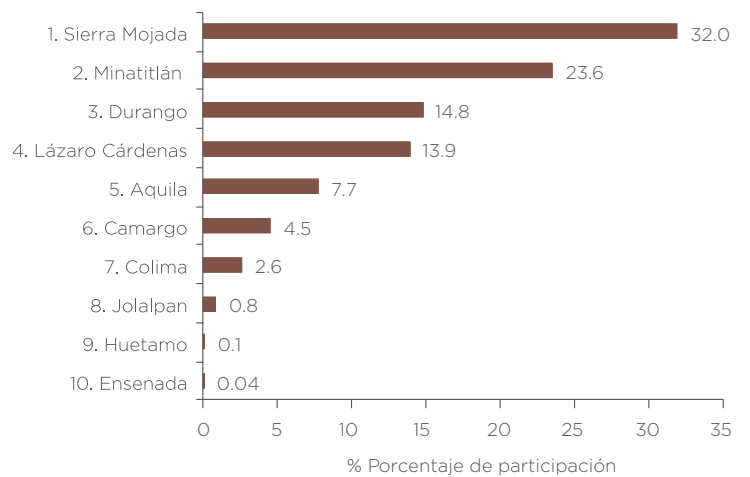
PRINCIPALES MUNICIPIOS PRODUCTORES DE PLOMO DURANTE 2017



PRINCIPALES MUNICIPIOS PRODUCTORES DE ZINC DURANTE 2017



PRINCIPALES MUNICIPIOS PRODUCTORES DE FIERRO DURANTE 2017



EXPORTACIONES MINERO-METALÚRGICAS, 2012-2017
(Ordenado conforme al valor de 2017, valor en dólares)

PRODUCTO	2012	2013	2014	2015	2016	2017 ^{1/}
I.- Metales Metálicos	21,480,339,456	17,224,847,623	15,797,068,602	13,432,626,110	14,547,104,476	16,168,947,099
A).- Metales Preciosos	12,760,493,701	9,375,324,231	7,522,366,997	6,791,489,261	7,409,244,629	8,205,232,725
Oro	7,990,457,237	5,820,440,777	4,694,650,699	4,321,352,119	4,888,529,589	5,317,993,605
Plata	4,479,262,939	3,352,423,705	2,687,416,781	2,361,901,215	2,407,434,356	2,759,149,352
Platino	290,538,328	201,541,243	139,561,975	107,455,792	112,724,677	127,311,796
Paladio	235,197	918,506	737,542	780,135	556,007	777,972
B).- Metales Industriales	8,719,845,755	7,849,523,392	8,274,701,605	6,641,136,849	7,137,859,847	7,963,714,374
Cobre	3,525,107,214	3,083,761,759	2,840,460,759	2,466,822,235	2,761,579,320	3,019,570,550
Aluminio	630,809,227	396,670,043	479,899,229	427,394,998	1,207,056,759	929,467,644
Plomo	1,776,220,247	1,357,382,489	1,643,510,142	1,600,565,784	1,196,043,781	1,626,973,340
Zinc	989,468,503	900,053,169	1,109,740,324	1,078,201,420	1,132,054,208	1,277,984,167
Fierro	1,288,045,960	1,543,628,866	1,329,457,352	626,036,503	532,945,272	672,686,325
Molibdeno	308,367,801	343,542,165	516,484,437	217,369,557	160,025,666	219,613,863
Magnesio	41,950,498	47,804,860	40,523,389	36,251,462	30,263,444	38,619,610
Manganeso	10,080,701	17,857,445	21,106,991	17,898,196	24,655,729	24,484,467
Níquel	16,276,166	18,033,307	17,759,416	14,657,444	16,530,610	18,009,687
Estaño	25,621,804	22,513,146	26,291,636	16,607,605	14,763,410	18,193,868
Otros	107,897,634	118,276,143	249,467,930	139,331,645	61,941,648	118,110,859
II.- Metales No Metálicos	1,239,571,371	1,255,826,987	1,255,983,114	1,146,721,300	1,133,565,805	1,319,924,136
Abrasivos Naturales	119,556,777	128,381,145	151,302,571	162,974,320	172,949,887	194,195,841
Sal	144,536,003	154,151,855	166,126,328	156,596,184	146,796,705	175,785,842
Grafito	79,393,467	77,941,868	113,050,186	109,678,711	134,181,940	140,610,857
Fluorita	207,835,946	164,211,292	180,705,986	128,561,750	116,850,436	142,271,536
Rocas Dimensionables	102,535,814	132,643,558	110,974,506	106,644,911	103,571,947	121,721,360
Cemento	159,492,617	185,156,514	153,394,475	93,760,639	101,915,028	113,069,608
Agregados Pétreos, Arena y Grava	48,606,009	61,511,093	70,020,544	83,092,228	76,021,126	92,230,967
Piedras Preciosas	68,216,918	72,465,851	79,035,084	82,954,881	75,733,936	91,988,435
Carbón	78,359,063	49,145,190	43,996,086	46,620,080	44,805,360	52,947,925
Yeso	11,795,174	13,043,003	13,041,628	33,730,912	30,032,307	36,978,933
Otros	219,243,583	217,175,618	174,335,720	142,106,684	130,707,133	158,122,833
TOTAL	22,719,910,827	18,480,674,610	17,053,051,716	14,579,347,410	15,680,670,281	17,488,871,235

1/ Cifras preliminares, sujetas a revisión
Fuente: Secretaría de Economía

IMPORTACIONES MINERO-METALÚRGICAS, 2012-2017
(Ordenado conforme al valor de 2017, valor en dólares)

PRODUCTO	2012	2013	2014	2015	2016	2017 ^{1/}
I.- Metales Metálicos	7,303,438,920	5,792,895,473	6,075,896,634	5,729,232,388	5,612,788,919	5,877,682,691
A).- Metales Preciosos	452,778,357	419,526,562	330,978,813	338,957,985	275,327,990	318,031,107
Oro	171,954,105	142,440,983	103,989,217	197,621,101	159,706,914	184,992,791
Plata	172,443,725	172,610,492	145,150,203	85,257,393	73,645,801	82,293,949
Platino	105,943,092	100,030,683	77,159,913	51,899,643	39,158,908	47,125,654
Paladio	2,437,435	4,444,404	4,679,480	4,179,848	2,816,367	3,618,712
B).- Metales Industriales	6,850,660,563	5,373,368,911	5,744,917,821	5,390,274,403	5,337,460,929	5,559,651,584
Aluminio	3,011,249,397	2,239,633,633	2,417,118,566	2,582,820,064	2,315,796,670	2,537,415,772
Fierro	1,660,082,685	1,102,767,534	1,304,788,288	1,061,867,713	1,283,296,159	1,216,622,483
Cobre	1,087,162,048	949,572,599	854,814,382	841,115,654	843,632,950	873,178,972
Zinc	91,066,338	93,571,821	102,353,607	117,570,063	164,865,727	146,631,699
Níquel	164,497,147	154,944,896	185,313,345	159,287,242	158,967,283	164,942,129
Titanio	115,506,523	95,410,571	118,381,829	75,558,770	112,993,334	97,921,478
Estaño	119,958,022	130,503,200	142,812,768	107,120,866	112,447,917	113,825,704
Tantalio	136,728,711	145,228,743	153,848,301	116,350,470	93,319,646	108,544,437
Plomo	73,736,521	99,022,740	68,251,369	75,952,434	78,125,101	79,866,332
Magnesio	73,833,204	80,455,859	79,141,746	83,754,874	65,610,815	77,316,096
Otros	316,839,967	282,257,315	318,093,620	168,876,253	108,405,327	143,386,481
II.- Metales No Metálicos	2,759,209,249	2,494,466,849	2,496,841,470	2,388,526,177	2,339,839,543	2,450,341,432
Carbón	1,195,065,539	973,246,336	789,323,814	638,221,223	592,418,595	637,567,743
Sodio	266,500,353	269,094,344	277,638,797	283,578,494	304,876,805	305,095,962
Coque	173,622,266	140,649,869	148,607,312	159,157,828	234,192,470	204,263,803
Abrasivos Naturales	122,412,698	127,245,136	143,661,499	155,494,274	167,094,075	167,251,727
Rocas Dimensionables	111,538,912	122,855,216	140,194,863	162,103,201	159,858,793	166,853,374
Piedras Preciosas	204,694,611	180,095,961	168,639,840	166,415,323	154,229,574	166,117,811
Grafito	109,009,699	107,754,995	117,308,290	102,468,948	100,990,777	105,440,517
Caolín	71,811,639	79,531,636	79,997,399	75,770,308	80,518,890	81,026,303
Fosforita	143,973,816	127,299,010	98,219,710	114,403,780	77,995,515	99,522,136
Vermiculita	63,603,916	72,664,707	75,880,993	74,517,235	72,930,139	76,410,053
Otros	296,975,800	294,029,639	457,368,953	456,395,563	394,733,910	440,792,002
TOTAL	10,062,648,169	8,287,362,322	8,572,738,104	8,117,758,565	7,952,628,462	8,328,024,123

1/ Cifras preliminares, sujetas a revisión
Fuente: Secretaría de Economía

BALANZA COMERCIAL MINERO-METALÚRGICA, 2012-2017
(Valor en dólares)

	2012	2013	2014	2015	2016	2017 ^{1/}
EXPORTACIONES						
I.- Minerales Metálicos	21,480,339,456	17,224,847,623	15,797,068,602	13,432,626,110	14,547,104,476	16,168,947,099
A).- Metales Preciosos	12,760,493,701	9,375,324,231	7,522,366,997	6,791,489,261	7,409,244,629	8,205,232,725
B).- Metales Industriales	8,719,845,755	7,849,523,392	8,274,701,605	6,641,136,849	7,137,859,847	7,963,714,374
II.- Minerales No Metálicos	1,239,571,371	1,255,826,987	1,255,983,114	1,146,721,300	1,133,565,805	1,319,924,136
TOTAL	22,719,910,827	18,480,674,610	17,053,051,716	14,579,347,410	15,680,670,281	17,488,871,235
IMPORTACIONES						
I.- Minerales Metálicos	7,303,438,920	5,792,895,473	6,075,896,634	5,729,232,388	5,612,788,919	5,877,682,691
A).- Metales Preciosos	452,778,357	419,526,562	330,978,813	338,957,985	275,327,990	318,031,107
B).- Metales Industriales	6,850,660,563	5,373,368,911	5,744,917,821	5,390,274,403	5,337,460,929	5,559,651,584
II.- Minerales No Metálicos	2,759,209,249	2,494,466,849	2,496,841,470	2,388,526,177	2,339,839,543	2,450,341,432
TOTAL	10,062,648,169	8,287,362,322	8,572,738,104	8,117,758,565	7,952,628,462	8,328,024,123
SALDO						
I.- Minerales Metálicos	14,176,900,536	11,431,952,150	9,721,171,968	7,703,393,722	8,934,315,557	10,291,264,408
A).- Metales Preciosos	12,307,715,344	8,955,797,669	7,191,388,184	6,452,531,276	7,133,916,639	7,887,201,618
B).- Metales Industriales	1,869,185,192	2,476,154,481	2,529,783,784	1,250,862,446	1,800,398,918	2,404,062,790
II.- Minerales No Metálicos	-1,519,637,878	-1,238,639,862	-1,240,858,356	-1,241,804,877	-1,206,273,738	-1,130,417,296
TOTAL	12,657,262,658	10,193,312,288	8,480,313,612	6,461,588,845	7,728,041,819	9,160,847,112

1/ Cifras preliminares, sujetas a revisión
Fuente: Secretaría de Economía

EXPORTACIONES MINERO-METALÚRGICAS POR PAÍS 2012-2017
(Ordenado conforme al valor de 2017, valor en dólares)

PAÍS	2012	2013	2014	2015	2016	2017 ^{1/}
ESTADOS UNIDOS	12,589,257,073	9,792,875,934	9,085,093,478	7,619,457,234	7,751,230,610	8,866,440,327
CHINA	2,484,560,587	2,416,923,307	1,918,925,832	1,527,307,720	1,894,235,092	2,530,149,712
REINO UNIDO	1,577,833,129	331,323,007	402,126,365	355,217,539	1,292,492,648	808,998,555
VIETNAM	5,448,371	237,908	2,705,241	7,328,104	850,766,180	11,773,065
COREA DEL SUR	1,230,827,879	963,706,064	1,137,139,773	1,027,502,588	818,707,209	1,496,741,256
JAPÓN	465,314,922	327,717,147	306,819,133	306,502,074	396,468,956	519,915,608
SUIZA	545,308,047	825,432,253	869,517,845	992,543,740	370,178,251	481,956,004
CANADÁ	922,617,793	791,230,997	496,404,223	412,029,266	362,712,379	427,542,383
BÉLGICA	317,112,670	297,381,700	520,104,869	455,486,333	318,041,745	340,255,511
ITALIA	227,697,060	204,372,240	235,939,669	188,026,927	226,333,813	188,609,064
ALEMANIA	66,547,293	61,101,442	68,782,154	93,080,700	212,550,807	169,438,364
BRASIL	341,897,033	333,015,506	259,590,966	240,203,694	186,431,279	231,604,674
AUSTRALIA	251,248,800	30,399,040	99,885,025	170,328,617	153,411,581	229,963,633
ESPAÑA	104,266,023	84,619,969	108,626,459	123,230,248	143,004,961	96,921,084
PAÍSES BAJOS	221,084,064	226,891,435	173,314,778	91,352,738	112,873,284	91,166,204
INDIA	81,539,059	49,543,394	30,503,798	27,536,936	78,422,795	42,477,322
TAIWÁN	127,156,156	123,255,501	136,818,840	109,606,287	58,822,438	9,365,259
GUATEMALA	84,910,645	63,764,805	68,021,867	41,328,512	47,390,021	42,549,297
PERÚ	171,151,849	298,852,841	147,743,034	171,093,099	36,645,705	65,563,626
COSTA RICA	27,462,943	20,901,052	35,748,344	30,969,796	35,215,020	35,893,280
Suma	21,843,241,396	17,243,545,542	16,103,811,693	13,990,132,152	15,345,934,774	16,687,324,228
Otros	876,669,431	1,237,129,068	949,240,023	589,215,258	334,735,507	801,547,007
TOTAL	22,719,910,827	18,480,674,610	17,053,051,716	14,579,347,410	15,680,670,281	17,488,871,235

^{1/} Cifras preliminares, sujetas a revisión
Fuente: Secretaría de Economía

IMPORTACIONES MINERO-METALÚRGICAS POR PAÍS 2012-2017
(Ordenado conforme al valor de 2017, valor en dólares)

PAÍS	2012	2013	2014	2015	2016	2017 ^{1/}
ESTADOS UNIDOS	4,706,896,217	4,755,115,398	4,600,146,013	4,113,269,293	3,883,474,509	3,775,077,875
CANADÁ	562,697,051	529,188,881	705,508,070	694,861,533	567,079,815	629,886,405
BRASIL	500,905,844	280,713,233	194,195,611	212,220,178	453,184,418	411,604,893
CHINA	1,096,543,847	418,511,635	342,120,519	370,180,616	365,803,415	453,096,913
INDIA	184,177,782	249,276,639	508,553,548	489,777,316	323,471,038	162,306,719
AUSTRALIA	633,082,023	199,090,073	280,759,336	342,433,327	254,863,406	90,827,038
RUSIA	395,442,463	229,246,116	259,881,642	375,648,166	245,400,806	340,743,024
COLOMBIA	72,514,585	118,475,146	94,654,159	105,703,320	205,265,326	733,202,029
CHILE	199,593,764	138,870,740	137,893,349	186,016,313	145,275,947	229,634,864
EMIRATOS ÁRABES UNIDOS	139,867,022	94,902,987	96,745,465	78,002,956	132,054,903	178,751,482
VENEZUELA	125,229,966	23,666,055	31,083,951	47,060,051	119,568,708	43,060,415
ALEMANIA	111,106,621	107,421,322	108,257,470	94,503,248	100,275,023	85,149,965
SUDÁFRICA	142,916,936	125,358,147	129,262,491	54,503,816	68,046,970	140,703,121
ITALIA	36,444,165	59,540,319	73,869,021	64,818,161	67,772,974	52,200,111
ESPAÑA	130,348,843	69,883,692	64,889,239	57,452,601	66,586,325	50,480,183
COREA DEL SUR	56,795,651	75,817,302	82,051,639	62,739,558	65,861,513	41,667,436
KAZAJISTÁN	799,595	856,158	7,558,346	26,157,338	64,109,723	13,906,130
PERÚ	83,716,680	62,538,440	62,308,928	91,903,642	63,544,821	62,678,383
MARRUECOS	105,527,856	95,345,249	94,494,276	95,210,463	63,243,027	102,745,316
UCRANIA	92,303,590	33,460,948	14,918,733	32,167,404	53,507,098	29,736,007
SUMA	9,376,910,501	7,667,278,480	7,889,151,806	7,594,629,300	7,308,389,765	7,627,458,310
OTROS	685,737,668	620,083,842	683,586,298	523,129,265	644,238,697	700,565,813
TOTAL	10,062,648,169	8,287,362,322	8,572,738,104	8,117,758,565	7,952,628,462	8,328,024,123

1/ Cifras preliminares, sujetas a revisión
Fuente: Secretaría de Economía

EMPLEO EN LA INDUSTRIA MINERO-METALÚRGICA POR RAMA DE ACTIVIDAD 2011-2017 (PERSONAS) A/

Grupo	2011	%	2012	%	2013	%	2014	%	2015	%	2016	%	2017	%/B
11	39,746	4.5	41,400	4.2	41,352	-0.1	40,436	-2.2	39,245	-2.9	37,731	-3.9	38,564	2.2
13	57,897	23.2	65,545	13.2	68,575	4.6	68,377	-0.3	67,896	-0.7	70,601	3.3	75,379	6.8
14	2,162	3.1	2,244	3.8	2,263	0.8	2,225	-1.7	2,242	0.8	2,167	-3.3	2,152	-0.7
33	127,425	3.4	130,099	2.1	127,352	-2.1	131,494	3.3	134,334	2.2	139,485	3.4	142,710	2.3
34	82,492	12.4	89,267	8.2	92,959	4.1	98,285	5.7	101,195	3.0	104,718	3.5	112,751	7.7
Sector Minero	309,722	9.1	328,555	6.1	332,501	1.2	340,817	2.5	344,912	1.1	354,702	2.8	371,556	4.8
Total Nacional	15,202,426	4	15,901,832	4.6	16,355,551	2.9	17,052,027	4.3	17,685,387	3.7	18,616,624	5.3	19,418,455	4.3

Grupos: 11 Extracción y beneficio de carbón mineral, grafito y minerales no metálicos; 13 Extracción y beneficio de minerales metálicos; 14 Explotación de sal; 33 Fabricación de Productos de minerales no metálicos; 34 Industrias metálicas básicas.

A/ Asegurados por división y grupo de actividad económica registrados en el Instituto Mexicano del Seguro Social.

B/ Variación con respecto al mismo mes del año anterior.

Nota: Excluye rama 12 correspondiente a extracción de petróleo crudo y gas natural.

Fuente: Coordinación de Afiliación y Vigencia, IMSS, 2018

EMPLEO EN LA INDUSTRIA MINERO-METALÚRGICA POR ESTADO A DICIEMBRE DE 2017

1	Gpo. Industrial	Aguascalientes	Baja California	BCS	Campeche	Chiapas	Chihuahua	Coahuila	Colima
11	Carbón, grafito y otros min. no met.	342	329	1,487	185	147	860	10,162	115
13	Minerales metálicos	1,172	760	1,685	-	1	10,913	5,140	1,544
14	Sal	-	15	1,072	-	-	-	29	144
33	Productos de min. no met.	2,839	8,334	444	173	511	4,436	6,502	487
34	Ind. metálicas básicas	1,646	2,595	23	32	6	4,171	17,584	96
	TOTAL	5,999	12,033	4,711	390	665	20,380	39,417	2,386

2	Gpo. Industrial	CDMX	Durango	Hidalgo	México	Guanajuato	Guerrero	Jalisco	Michoacán	Morelos
11	Carbón, grafito y otros min. no met.	405	3,175	1,929	1,581	1,080	221	1,524	381	203
13	Minerales metálicos	815	8,487	1,444	1,627	3,392	2,152	1,677	1,180	-
14	Sal	-	-	-	-	-	-	-	-	-
33	Productos de min. no met.	6,059	1,648	4,288	18,086	8,117	403	7,519	976	3,834
34	Ind. metálicas básicas	4,385	1,618	1,526	10,797	8,452	19	4,302	3,967	80
	TOTAL	11,664	14,928	9,187	32,091	21,041	2,795	15,022	6,504	4,117

3	Gpo. Industrial	Nayarit	Nuevo León	Oaxaca	Puebla	Querétaro	Quintana Roo	San Luis Potosí	Sinaloa	Sonora
11	Carbón, grafito y otros min. no met.	339	2,727	325	1,213	922	491	2,030	760	2,102
13	Minerales metálicos	142	605	1,201	241	1,139	-	2,766	1,367	12,575
14	Sal	-	-	5	4	-	-	1	28	298
33	Productos de min. no met.	521	28,268	894	3,748	4,618	1,495	5,096	1,585	2,429
34	Ind. metálicas básicas	35	23,519	7	2,005	4,609	1	3,966	83	2,974
	TOTAL	1,037	55,119	2,432	7,211	11,288	1,987	13,859	3,823	20,378

4	Gpo. Industrial	Tabasco	Tamaulipas	Tlaxcala	Veracruz	Yucatán	Zacatecas	Total
11	Carbón, grafito y otros min. no met.	284	453	63	1,611	780	338	38,564
13	Minerales metálicos	198	27	55	254	26	12,794	75,379
14	Sal	-	63	-	-	493	-	2,152
33	Productos de min. no met.	608	5,110	6,101	3,253	3,323	1,005	142,710
34	Ind. metálicas básicas	11	3,153	1,393	9,155	293	248	112,751
	TOTAL	1,101	8,806	7,612	14,273	4,915	14,385	371,556

Fuente: DGDM con cifras del IMSS