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INDIAN BUREAU OF MINES
MINERAL ECONOMICS DIVISION
WORLD MINERAL INTELLIGENCE UNIT

WORLD MINERAL RESERVES

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**World Reserves of Antimony
(By Principal Countries)**

(In tonnes of metal content)

Country	Reserves
World Total (rounded)	1500000
Australia	160000
Bolivia	310000
China	530000
Mexico	18000
Russia (Recoverable)	350000
South Africa	27000
Tajikistan	50000
USA	60000

source: Mineral Commodity Summaries, 2017
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Asbestos
(By Principal Countries)**

(In tonnes)

Country	Reserves
World Total	Large
Brazil	10000000
China	Large
India	Moderate
Kazakhstan	Large
Russia	Large
USA	Small

Source: Mineral Commodity Summaries, 2017
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Barytes
(By Principal Countries)**

(In '000 tonnes)

Country	Reserves
World Total (rounded)	>320000
China	30000
India	32000
Iran	24000
Kazakhstan	85000
Pakistan	14000
Russia	12000
Thailand	18000
Turkey	35000
Other countries	29000

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Resrves of Bauxite
(By Principal Countries)**

(In '000 tonnes)

Country	Reserves
World Total (rounded)	28000000
Australia	6200000
Brazil	2600000
China	980000
Greece	130000
Guinea	7400000
Guyana	850000
India	590000
Indonesia	1000000
Jamaica	2000000
Kazakhstan	160000
Malayasia	110000
Russia	200000
Saudi Arabia	210000
Suriname	580000
USA	20000
Vietnam	2100000
Other countries	2700000

Source: Mineral Commodity Summaries, 2017
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Boron
(By Principal Countries)

(In '000 tonnes of boric oxide)

Country	Reserves
World Total (rounded)	380000
Argentina	NA
Bolivia	NA
Chile	35000
China	32000
Kazakhstan	NA
Peru	4000
Russia	40000
Turkey	230000
USA	40000

Source: Mineral Commodity Summaries, 2017

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Chromium
(By Principal Countries)
(Shipping Grade)

(In '000 tonnes of chromium content)

Country	Reserves
World Total (rounded)	500000
India	54000
Kazakhstan	230000
South Africa	200000
Turkey	12000
USA	620
Other countries	NA

Source: Mineral Commodity Summaries, 2017.

Shipping grade- Deposit quantity and grade normalised
to 45% Cr₂O₃

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Cobalt
(By Principal Countries)

(In tonnes of Cobalt content)

Country	Reserves
World Total (rounded)	7000000
Australia	1000000
Canada	270000
China	80000
Congo (Kinshasa)	3400000
Cuba	500000
Madagascar	130000
New Caledonia	64000
Philippines	290000
Russia	250000
South Africa	29000
USA	21000
Zambia	270000
Other countries	690000

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Copper
(By Principal Countries)

(In '000 tonnes of copper content)

Country	Reserve
World Total (rounded)	720000
Australia	89000
Canada	11000
Chile	210000
China	28000
Congo(Kinshasa)	20000
Mexico	46000
Peru	81000
Russia	30000
USA	35000
Zambia	20000
Other Countries	150000

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Diamond (Industrial)
(By Principal Countries)

(In million Carats)

Country	Reserves
World Total (rounded)	750
Australia	210
Botswana	130
Congo (Kinshasa)	150
Russia	100
South Africa	70
USA	NA
Other countries	90

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Diatomite
(By Principal Countries)**

(In '000 tonnes)

Country	Reserves
World Total (rounded)	Large
Argentina	NA
China	110000
Denmark(processed)	NA
France	NA
Japan	NA
Mexico	NA
Peru	NA
Russia	NA
Spain	NA
USA	250000
Turkey	44000
Other countries	NA

Source: Mineral Commodity Summaries, 2017
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Fluorspar
(By Principal Countries)**

(In '000 tonnes)

Country	Reserves
World Total (rounded)	260000
China	40000
Iran	3400
Kenya	5000
Mexico	32000
Mongolia	22000
Morocco	580
South Africa	41000
Spain	6000
USA	4000
Other countries	110000

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Garnet (Industrial)
(By Principal Countries)

(In '000 tonnes of garnet)

Country	Reserves
World Total (rounded)	Moderate to Large
Australia	Moderate to large
China	Moderate to large
India	19000
USA	5000
Other countries	6500

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Gold
(By Principal Countries)

(In tonnes of gold content)

Country	Reserves
World Total (rounded)	57000
Australia	9500
Brazil	2400
Canada	2400
China	2000
Ghana	990
Indonesia	3000
Mexico	1400
Papua New Guinea	1500
Peru	2400
Russia	8000
South Africa	6000
Uzbekistan	1700
USA	3000
Other countries	13000

Source: Mineral Commodity Summaries, 2017
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Graphite (Natural)
(By Principal Countries)

(In '000 tonnes)

Country	Reserves
World Total (rounded)	250000
Brazil	72000
China	55000
India	8000
Madagascar	1600
Mexico	3100
Mozambique	13000
Tanzania	5100
Turkey	90000
USA	-

Source: Mineral Commodity Summaries, 2017

Figures in Canada, Korea North, Norway, Russia, Sri Lanka, Ukraine, Zimbabwe are included with world total.

- : Zero

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Gypsum
(By Principal Countries)**

(In '000 tonnes)

Country	Reserves
World Total (rounded)	Large
Brazil	290000
Canada	450000
India	39000
Iran	1600
Oman	4900
USA	700000
Other countries	NA

Source: Mineral Commodity Summaries, 2017
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Ilmenite
(By Principal Countries)**

(In '000 tonnes of TiO₂)

Country	Reserves
World Total(rounded)	770000
Australia	150000
Brazil	43000
Canada	31000
China	220000
India	85000
Kenya	54000
Madagascar	40000
Mozambique	14000
Norway	37000
South Africa	63000
Ukraine	5900
USA*	2000
Vietnam	1600
Other countries	26000

Source: Mineral Commodity Summaries, 2017.

* :- Includes rutile

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Iron ore
(By Principal Countries)**

(In million tonnes iron content)

Country	Reserves
World Total (rounded)	82000
Australia	23000
Brazil	12000
Canada	2300
China	7200
India	5200
Iran	1500
Kazakhstan	900
Russia	14000
South Africa	770
Sweden	2200
Ukraine	2300
USA	790
Other countries	9500

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Iron ore
(By Principal Countries)**

(In million tonnes of crude ore)

Country	Reserves
World Total (rounded)	170000
Australia	52000
Brazil	23000
Canada	6000
China	21000
India	8100
Iran	2700
Kazakhstan	2500
Russia	25000
South Africa	1200
Sweden	3500
Ukraine	6500
USA	3000
Other countries	18000

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Kyanite and Related Minerals
(By Principal Countries)**

Country	(In '000 tonnes) Reserves
World Total (rounded)	NA
India (Kyanite and sillimanite)	1600
Peru(Andalusite)	NA
South Africa(Andalusite)	NA
USA (Kyanite)	Large
Other countries	NA

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Lead
(By Principal Countries)

(In '000 tonnes of lead content)

Country	Reserves
World Total (rounded)	88000
Australia	35000
Bolivia	1600
China	17000
India	2200
Iran	540
Ireland	600
Kazakhstan	2000
Macedonia	600
Mexico	5600
Peru	6300
Poland	1600
Russia	6400
South Africa	300
Sweden	1100
USA	5000
Turkey	860

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Magnesite
(By Principal Countries)

(In '000 tonnes of magnesium oxide content)

Country	Reserves
World Total (rounded)	8500000
Australia	330000
Austria	50000
Brazil	300000
China	1700000
Greece	270000
India	90000
Korea North	1500000
Russia	2300000
Slovakia	120000
Spain	35000
Turkey	390000
USA	35000
Other countries	1400000

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Manganese ore
(By Principal Countries)

(In '000 tonnes of metal content)

Country	Reserves
World Total (rounded)	690000
Australia	91000
Brazil	116000
China	43000
Gabon	22000
Ghana	12000
India	52000
Kazakhstan	5000
Mexico	5000
South Africa	200000
Ukraine	140000
Other countries	Small

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Mica (Natural), Sheet
(By Principal Countries)**

(In tonnes)

Country	Reserves
World Total (rounded)	Very Large
India	Very Large
Russia	Moderate
USA	Very Small
Other countries	Moderate

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Molybdenum
(By Principal Countries)
(In '000 tonnes of molybdenum content)

Country	Reserves
World Total (rounded)	15000
Armenia	150
Australia	190
Canada	260
Chile	1800
China ^e	8400
Iran	43
Kazakhstan	130
Kyrgyzstan	100
Mexico	130
Mongolia	160
Peru	450
Russia ^e	250
Turkey	100
USA	2700
Uzbekistan ^e	60

Source: Mineral Commodity Summaries, 2017

e: estimated

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Nickel
(By Principal Countries)
(In '000 tonnes of nickel content)

Country	Reserves
World Total (rounded)	78000
Australia	19000
Brazil	10000
Canada	2900
China	2500
Colombia	1100
Cuba	5500
Guatemala	1800
Indonesia	4500
Madagascar	1600
New Caledonia	6700
Philippines	4800
Russia	7600
South Africa	3700
USA	160
Other countries	6500

Source: Mineral Commodity Summaries, 2017. (<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Perlite
(By Principal Countries)
(In '000 tonnes)

Country	Reserves
World Total (rounded)	NA
Greece	50000
Hungary	28000
Turkey	57000
USA	50000
Other countries	NA

Source: Mineral Commodity Summaries, 2017

Note : Insufficient information is available to make reliable estimates of resources in perlite-producing countries.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Platinum Group Metals
(By Principal Countries)**

(In Tonnes)

Country	Reserves
World Total (rounded)	67000
Canada	310
Russia	1100
South Africa	63000
USA	900
Zimbabwe	1200
Other countries	NA

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Phosphate Rock
(By Principal Countries)**

(In '000 tonnes)

Country	Reserves
World Total (rounded)	6800000
Algeria	2200000
Australia	1100000
Brazil	320000
China	3100000
Egypt	1200000
India	65000
Israel	130000
Jordan	1200000
Kazakhstan	260000
Mexico	30000
Morocco & Western Sahara	5000000
Peru	820000
Russia	1300000
Saudi Arabia	680000
Senegal	50000
South Africa	1500000
Syria	1800000
Togo	30000
Tunisia	100000
USA	1100000
Vietnam	30000
Other countries	810000

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Potash
(Principal Countries)**

(In '000 tonnes of K₂O)

Country	Reserves
World Total (rounded)	4300000
Belarus	750000
Brazil	13000
Canada	1000000
Chile	150000
China	360000
Germany	150000
Israel	270000
Jordan	270000
Russia	860000
Spain	20000
UK	70000
USA	270000
Other countries	90000

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Talc and Pyrophyllite
(By Principal Countries)**

(In '000 tonnes)

Country	Reserves
World Total (rounded)	Large
Brazil(Crude& beneficiated)	52000
China(Unspecified Minerals)	Large
France(Crude)	Large
India	110000
Japan	100000
Korea Rep. of	11000
Mexico	Large
USA	140000
Other countries (includes crude)	Large

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Rare Earths
(By Principal Countries)**

(In '000 tonnes of REO content)

Country	Reserves
World Total (rounded)	120000
Australia	3400
Brazil	22000
Canada	830
China	44000
Greenland	1500
India	6900
Malaysia	30
Malawi	136
Russia	18000
South Africa	860
Vietnam	22000
USA	1400

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Rutile
(By Principal Countries)**

(In '000 tonnes of TiO₂)

Country	Reserves
World Total (rounded)	59000
Australia	27000
India	7400
Kenya	13000
South Africa	8300
Ukraine	2500
Other countries	400

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Selenium
(By Principal Countries)

(In tonnes of Selenium content)

Country	Reserves
World Total (rounded)	100000
Canada	6000
China	26000
Peru	13000
Poland	3000
Russia	20000
USA	10000
Other countries	21000

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Silver
(By Principal Countries)**

(In tonnes of silver content)

Country	Reserves
World Total (rounded)	570000
Australia	89000
Bolivia	22000
Chile	77000
China	39000
Mexico	37000
Peru	120000
Poland	85000
USA	25000
Russia	20000
Other countries	57000

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Sulphur

Reserves of sulphur in crude oil, natural gas and sulphide ores are large. Because most sulphur production is a result of the processing of fossil fuels, supplies should be adequate for the foreseeable future. Because petroleum and sulphide ores can be processed long distances from where they are produced, sulphur production may not be in the country for which the reserves were attributed.

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Talc and Pyrophyllite
(By Principal Countries)**

(In '000 tonnes)

Country	Reserves
World Total (rounded)	Large
Brazil(Crude& beneficiated)	52000
China(Unspecified Minerals)	Large
France(Crude)	Large
India	110000
Japan	100000
Korea Rep. of	11000
Mexico	Large
USA	140000
Other countries (includes crude)	Large

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Tellurium
(By Principal Countries)

(In tonnes of Tellurium content)

Country	Reserves
World Total (rounded)	25000
Canada	800
Peru	3600
Sweden	670
USA	3500
Other countries	16000

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Tin
(By Principal Countries)

(In '000 tonnes of Tin content)

Country	Reserves
World Total (rounded)	4700
Australia	370
Bolivia	400
Brazil	700
China	1100
Congo (Kinshasa)	110
Indonesia	800
Malaysia	250
Myanmar	110
Peru	100
Russia	350
Thailand	170
Vietnam	11
Other countries	180

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Tungsten
(By Principal Countries)

(In '000 tonnes of Tungsten content)

Country	Reserves
World Total (rounded)	3100
Austria	10
Canada	290
China	1900
Portugal	3
Russia	83
Spain	32
UK	51
Vieatnam	95
USA	NA
Other countries	680

Source: Mineral Commodity Summaries, 2017.

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Vanadium
(By Principal Countries)**

(In '000 tonnes of Vanadium content)

Country	Reserves
World Total (rounded)	19000
Australia	1800
China	9000
Russia	5000
South Africa	3500
USA	45

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Vermiculite
(By Principal Countries)**

(In '000 tonnes)

Country	Reserves
World Total (rounded)	NA
Brazil	6300
India	1700
South Africa	14000
USA ^e	25000
Other countries	NA

Source: Mineral Commodity Summaries, 2017.

e: estimated

(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Zinc
(By Principal Countries)

(In '000 tonnes of Zinc content)

Country	Reserves
World Total (rounded)	220000
Australia	63000
Bolivia	4000
Canada	5700
China	40000
India	10000
Ireland	1100
Kazakhstan	11000
Mexico	17000
Peru	25000
Sweden	3000
USA	11000
Other countries	32000

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

World Reserves of Zirconium
(By Principal Countries)

(In '000 tonnes of Zr content)

Country	Reserves
World Total (rounded)	75000
Australia	48000
China	500
India	3400
Mozambique	920
South Africa	14000
USA	500
Other countries	7200

Source: Mineral Commodity Summaries, 2017.
(<https://minerals.usgs.gov/minerals/pubs/mcs>)