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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)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>1500000</b>
Australia	140000
Bolivia	310000
China	480000
Mexico	18000
Russia (Recoverable)	350000
South Africa	27000
Tajikistan	50000
Turkey	100000
USA	60000

source: Mineral Commodity Summaries, 2018  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In tonnes)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b>	<b>Large</b>
Brazil	9800000
China	96000000
Kazakhstan	Large
Russia	110000000
USA	Small

Source: Mineral Commodity Summaries, 2018

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

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

(In '000 tonnes)

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>290000</b>
China	37000
India	32000
Iran	24000
Kazakhstan	85000
Pakistan	14000
Russia	12000
Thailand	18000
Turkey	35000
Other countries	29000

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes)

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>3000000</b>
Australia	600000
Brazil	260000
China	100000
Greece	25000
Guinea	740000
Guyana	85000
India	83000
Indonesia	100000
Jamaica	200000
Kazakhstan	16000
Malaysia	11000
Russia	50000
Saudi Arabia	21000
USA	20,000
Vietnam	370000
Other countries	320000

Source: Mineral Commodity Summaries, 2018  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes of boric oxide)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>1100000</b>
Argentina	NA
Bolivia	NA
Chile	35000
China	32000
Kazakhstan	NA
Peru	4000
Russia	40000
Turkey	950000
USA	40000

Source: Mineral Commodity Summaries, 2018

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



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

(In '000 tonnes of chromium content )

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>510000</b>
India	54000
Kazakhstan	230000
South Africa	200000
Turkey	26000
USA	620
Other countries	NA

Source: Mineral Commodity Summaries, 2018.

Shipping grade- Deposit quantity and grade normalised  
to 45% Cr<sub>2</sub>O<sub>3</sub>

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

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

(In tonnes of Cobalt content)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>7100000</b>
Australia	1200000
Canada	250000
Congo (Kinshasa)	3500000
Cuba	500000
Madagascar	150000
Papua New Guinea	51000
Philippines	280000
Russia	250000
South Africa	29000
USA	23000
Zambia	270000
Other countries	560000

Source: Mineral Commodity Summaries, 2018.

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

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

(In '000 tonnes of copper content)

<b>Country</b>	<b>Reserve</b>
<b>World Total</b> (rounded)	<b>790000</b>
Australia	88000
Canada	11000
Chile	170000
China	27000
Congo(Kinshasa)	20000
Indonesia	26000
Mexico	46000
Peru	81000
USA	45000
Zambia	20000
Other Countries	260000

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In million Carats)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>1200</b>
Australia	120
Botswana	90
Congo (Kinshasa)	150
Russia	650
South Africa	70
USA	NA
Zimbabwe	NA
Other countries	90

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes)

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>Large</b>
Argentina	NA
China	110000
Czechia	NA
Denmark (processed)	NA
France	NA
Japan	NA
Korea Rep. of	NA
Mexico	NA
Peru	NA
Russia	NA
Spain	NA
USA	250000
Turkey	44000
Other countries	NA

Source: Mineral Commodity Summaries, 2018  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes )

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>270000</b>
Brazil	640
China	41000
Iran	3400
Kenya	5000
Mexico	32000
Mongolia	22000
Morocco	580
South Africa	41000
Spain	6000
USA	4000
United Kingdom	4000
Vietnam	5000
<b>Other countries</b>	<b>110000</b>

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes of garnet )

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

Source: Mineral Commodity Summaries, 2018.

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

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

(In tonnes of gold content)

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>54000</b>
Australia	9800
Brazil	2400
Canada	2200
China	2000
Ghana	1000
Indonesia	2500
Kazakhstan	1000
Mexico	1400
Papua New Guinea	1300
Peru	2300
Russia	5500
South Africa	6000
Uzbekistan	1800
USA	3000
Other countries	12000

Source: Mineral Commodity Summaries, 2018  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)



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

(In '000 tonnes)

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>270000</b>
Brazil	70000
China	55000
India	8000
Madagascar	1600
Mexico	3100
Mozambique	17000
Tanzania	17000
Turkey	90000

Source: Mineral Commodity Summaries, 2018

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

- : Zero

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

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

(In '000 tonnes )

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>Large</b>
Brazil	400000
Canada	450000
India	39000
Iran	1600
Oman	4900
USA	700000
Turkey	170000
United Kingdom	30000
Other countries	NA

Source: Mineral Commodity Summaries, 2018  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes of TiO<sub>2</sub>)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>870000</b>
Australia	250000
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, 2018.

\* :- Includes rutile

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

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

(In million tonnes iron content)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>83000</b>
Australia	24000
Brazil	12000
Canada	2300
China	7200
India	5200
Iran	1500
Kazakhstan	900
Russia	14000
South Africa	770
Sweden	2200
Ukraine	2300
USA	760
Other countries	9500

Source: Mineral Commodity Summaries, 2018.

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

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

(In million tonnes of crude ore)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>170000</b>
Australia	50000
Brazil	23000
Canada	6000
China	21000
India	8100
Iran	2700
Kazakhstan	2500
Russia	25000
South Africa	1200
Sweden	3500
Ukraine	6500
USA	2900
Other countries	18000

Source: Mineral Commodity Summaries, 2018.

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

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

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

**Source:** Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes of lead content)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>88000</b>
Australia	35000
Bolivia	1600
China	17000
India	2200
Mexico	5600
Peru	6000
Russia	6400
Sweden	1100
USA	5000
Turkey	860
<b>Other Countries</b>	<b>7000</b>

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes of magnesium oxide content)

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>7800000</b>
Australia	320000
Austria	50000
Brazil	390000
China	1000000
Greece	280000
India	90000
Korea North	1500000
Russia	2300000
Slovakia	120000
Spain	35000
Turkey	230000
USA	35000
Other countries	1400000

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes of metal content )

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>680000</b>
Australia	94000
Brazil	120000
China	48000
Gabon	20000
Ghana	13000
India	34000
Kazakhstan ,concentrate	5000
Mexico	5000
South Africa	200000
Ukraine ,concentrate	140000
Other countries	Small

Source: Mineral Commodity Summaries, 2018.

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



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

(In tonnes)

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>Very Large</b>
India	Very Large
USA	Very Small
Other countries	Moderate

Source: Mineral Commodity Summaries, 2018.

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

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

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>17000</b>
Argentina	100
Armenia	150
Canada	150
Chile	1800
China	8300
Iran	43
Mexico	130
Mongolia	160
Peru	2200
Russia	1000
Turkey	100
USA	2700
Uzbekistan	60

Source: Mineral Commodity Summaries, 2018

e: estimated

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

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

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>74000</b>
Australia	19000
Brazil	12000
Canada	2700
China	2900
Colombia	1100
Cuba	5500
Guatemala	1800
Indonesia	4500
Madagascar	1600
New Caledonia	-
Philippines	4800
Russia	7600
South Africa	3700
USA	130
Other countries	6500

Source: Mineral Commodity Summaries, 2018. (<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	NA
Greece	120000
Hungary	28000
Turkey	57000
USA	50000
Other countries	NA

Source: Mineral Commodity Summaries, 2018

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 of metal content)

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>69000</b>
Canada	310
Russia	3900
South Africa	63000
USA	900
Zimbabwe	1200
Other countries	NA

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes )

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>7000000</b>
Algeria	220000
Australia	110000
Brazil	170000
China	330000
Egypt	130000
Finland	100000
India	65000
Israel	74000
Jordan	130000
Kazakhstan	260000
Mexico	30000
Morocco & Western Sahara	5000000
Peru	40000
Russia	70000
Saudi Arabia	140000
Senegal	50000
South Africa	150000
Syria	180000
Togo	30000
Tunisia	100000
USA	100000
Vietnam	30000
Other countries	900000

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes of K<sub>2</sub>O)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>3900000</b>
Belarus	750000
Brazil	24000
Canada	1000000
Chile	150000
China	360000
Germany	150000
Israel	270000
Jordan	270000
Russia	500000
Spain	44000
UK	40000
USA	210000
Other countries	90000

Source: Mineral Commodity Summaries, 2018.

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

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

(In '000 tonnes)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>Large</b>
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, 2018.

\*:- Includes talc and pyrophyllite reserves, rest of the countries indicates only talc reserves.

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



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

(In '000 tonnes of REO content)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>120000</b>
Australia	3400
Brazil	22000
Canada	830
China	44000
Greenland	1500
India	6900
Malaysia	30
Malawi	140
Russia	18000
South Africa	860
Vietnam	22000
USA	1400

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes of TiO<sub>2</sub>)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>62000</b>
Australia	29000
India	7400
Kenya	13000
Mozambique	880
Sierra Leone	490
South Africa	8300
Ukraine	2500
Other countries	400

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In tonnes of Selenium content)

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

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In tonnes of silver content)

<b>Country</b>	<b>Reserves</b>
<b>World Total (rounded)</b>	<b>530000</b>
Australia	89000
Bolivia	22000
Chile	27000
China	39000
Mexico	37000
Peru	93000
Poland	89000
USA	25000
Russia	55000
Other countries	57000

Source: Mineral Commodity Summaries, 2018.  
(<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, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>Large</b>
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.

\*:- Includes talc and pyrophyllite reserves, rest of the countries indicates only talc reserves.

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

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

(In tonnes of Tellurium content)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>31000</b>
Canada	800
China	6600
Peru	3600
Sweden	670
USA	3500
Other countries	16000

Source: Mineral Commodity Summaries, 2018.

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

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

(In '000 tonnes of Tin content)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>4800</b>
Australia	490
Bolivia	400
Brazil	700
Burma	113
China	1100
Congo (Kinshasa)	150
Indonesia	800
Malaysia	250
Peru	105
Russia	350
Thailand	170
Vietnam	11
Other countries	180

Source: Mineral Commodity Summaries, 2018.

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



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

(In '000 tonnes of Tungsten content)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>3200</b>
Austria	10
China	1800
Mongolia	63
Portugal	3
Russia	160
Spain	54
UK	43
Vieatnam	95
USA	NA
Other countries	950

Source: Mineral Commodity Summaries, 2018.

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

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

(In '000 tonnes of Vanadium content)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>20000</b>
Australia	2100
China	9000
Russia	5000
South Africa	3500
USA	45

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

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

(In '000 tonnes)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>NA</b>
Brazil	6300
India	1700
South Africa	14000
USA	25000
Other countries	NA

Source: Mineral Commodity Summaries, 2018.

e: estimated

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

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

(In '000 tonnes of Zinc content)

<b>Country</b>	<b>Reserves</b>
<b>World Total</b> (rounded)	<b>230000</b>
Australia	64000
Bolivia	4800
Canada	5400
China	41000
India	11000
Kazakhstan	13000
Mexico	20000
Peru	28000
Sweden	3800
USA	9700
Other countries	33000

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)

**World Reserves of Zirconium**  
**(By Principal Countries)**  
(In 000' tonnes of ZrO<sub>2</sub> content)

Country	Reserves
<b>World Total</b> (rounded)	<b>74000</b>
Australia	47000
China	500
India	3400
Mozambique	1800
South Africa	14000
USA	500
Other countrie	7200

Source: Mineral Commodity Summaries, 2018.  
(<https://minerals.usgs.gov/minerals/pubs/mcs>)