

2017–2018 Minerals Yearbook

TURKMENISTAN

THE MINERAL INDUSTRY OF TURKMENISTAN

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Hydrocarbons were a leading segment of the economy of Turkmenistan in 2017 and 2018, accounting for most of the country's exports of goods. The country had the world's fourth-ranked proven natural gas reserves (BP p.l.c., 2019, p. 30). The legislative framework for the mineral sector in Turkmenistan is provided by the Law on Subsoil 2014 and the Hydrocarbon Resources Law 2008. Data on mineral production are in table 1. Table 2 is the list of major mineral industry facilities. More-extensive coverage of the mineral industry of Turkmenistan can be found in previous editions of the

U.S. Geological Survey Minerals Yearbook, volume III, Area Reports—International—Europe and Central Eurasia, which are available at <https://www.usgs.gov/centers/nmic/europe-and-central-eurasia>.

Reference Cited

BP p.l.c., 2019, BP statistical review of world energy (68th ed.): London, United Kingdom, BP p.l.c., June, 61 p. (Accessed September 24, 2019, at <https://www.bp.com/content/dam/bp/business-sites/en/global/corporate/pdfs/energy-economics/statistical-review/bp-stats-review-2019-full-report.pdf>.)

TABLE 1
TURKMENISTAN: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2014	2015	2016	2017	2018
METALS					
Iron and steel, products, rolled ^c	135,000	140,000	140,000	144,000	144,000
INDUSTRIAL MINERALS					
Bromine ^c	500	500	500	NA	NA
Cement, hydraulic ^c thousand metric tons	2,900	3,300	3,500	3,600	3,800
Clay, bentonite:					
Powder ^c	400	400	400	420	450
Other, unspecified	7,387 ^r	8,000 ^c	8,000 ^c	8,400 ^c	9,000 ^c
Gypsum, mine ^c	107,000	110,000	110,000	110,000	110,000
Iodine ^c	500	500	500	510	400
Lime ^c	19,400	20,000	21,000	22,000	23,000
Nitrogen, N content:					
Ammonia	293,000	309,000 ^c	309,000 ^c	320,000 ^c	340,000 ^c
Urea	344,000	360,000 ^c	360,000 ^c	380,000 ^c	400,000 ^c
Potash, K ₂ O content	--	--	--	25,000 ^c	24,000
Salt ^c	91,700	100,000	100,000	100,000	100,000
Sodium, compounds, sodium sulfate ^c	68,000	70,000	52,000 ^r	26,000	26,000
Sulfur, S content ^c	506,000	600,000	400,000 ^r	200,000	200,000
MINERAL FUELS AND RELATED MATERIALS					
Natural gas million cubic meters	67,000	69,600	66,800	62,000	62,000 ^c
Petroleum:					
Crude, including condensate thousand 42-gallon barrels	87,200	91,400	96,960	90,000	85,000
Refinery do.	57,100	55,000	53,600	44,000	44,000 ^c

^cEstimated. ^rRevised. do. Ditto. NA Not available. -- Zero.

¹Table includes data available through May 20, 2019. All data are reported unless otherwise noted. Estimated data are rounded to no more than three significant digits; may not add to totals shown.

²In addition to the commodities listed, barite, bench gravel, coal, dolomite, epsomite, and kaolin may have been produced, but available information was inadequate to make reliable estimates of output.

TABLE 2
TURKMENISTAN: STRUCTURE OF THE MINERAL INDUSTRY IN 2018¹

(Thousand metric tons unless otherwise specified)

Commodity		Major operating companies, main facilities, or deposits ²	Location or deposit names	Annual capacity ³
Bromine	metric tons	Cheleken plant (SI Turkmenhimiya)	Cheleken Peninsula	250
Do.	do.	Nebitdag plant (SI Turkmenhimiya)	Balkanabad, Balkan Welayat	260
Cement		Polimek Insaat Taahhut ve San. Tic. A.Ş.	Jebel cement plant, Jebel, Balkan Welayat, Nebitdag region	1,000
Do.	do.		Garlyk cement plant, Lebap Welayat, Turkmenabat region	1,000
Do.		Turkmentcement (100% state owned)	JSC Baharlynskiy cement plant, Bezmein	1,000
Do.	do.		Kelete cement plant, 70 kilometers west of Ashgabad	1,000
Clay, bentonite:	metric tons	Oglanly Mine	Oglanly region, Balkan Welayat	500
Gypsum		IA Turkmenmineral	Mukry, Tagorin deposits	NA
Do.		Krasnovodsk Aylagy (anhydride) deposit	9 kilometers east of Turkmenbashi	NA
Do.		Wastes from Gaurdak sulfur deposit	Gaurdak, Gora	NA
Iodine	metric tons	Balkanabad iodine plant (SI Turkmenhimiya Holding)	Balkanabad, Balkan Welayat	255
Do.	do.	Bereket iodine plant (SI Turkmenhimiya Holding)	Gumdag, Balkan Welayat	NA
Do.	do.	Khazar chemical plant (SI Turkmenhimiya Holding)	Khazar, Balkan Welayat	355
Limestone for cement		Gaurdak	4 kilometers northeast of Gaurdak	NA
Natural gas	million cubic meters	China National Petroleum Corp. (CNPC)	Amu Darya basin	5,000
Do.	do.	Dauletabad, Dovie-Denmez (Donmez), Gygyrlinskoye, Ioltan (South Yolotan-Osman), North and South Naipskiye, Shatlyk, and Yashlar deposits (SI Turkmengaz)	Onshore in eastern and southwestern parts of the country and offshore in the Caspian Sea; Murgab basin; Dashoguzskiy	90,000
Do.	do.	Eni S.p.A.	Nebitdag Block	60
Nitrogen, N content:				
Ammonia		Ammonia plant (state-owned SI Turkmenhimiya)	Mary City	400
Urea		SI Turkmenhimiya	do.	700
Petroleum:				
Crude	thousand 42-gallon barrels	Barsa-Gelmesskoye, Burunskoye, Cheleken, Gograndagskoye, Ioltan (South Yolotan-Osman), Kamyshldzhinskoye, Korturtepinskoye, Kum Dag, Kuydzhiyskoye, Okaremskoye, and Yashlar oilfields	Centered in Caspian plain in west Turkmenistan and in offshore oilfields to the west of the Cheleken Peninsula in the Caspian Sea	81,000
Do.	do.	Dragon Oil Plc	Cheleken basin	35,000
Do.	do.	Eni S.p.A.	Nebitdag Block	3,000
Refined	do.	Seidi oil refinery and Turkmenbashi complex of oil refineries (state-owned)	Lebap and Balkan Welayat	78,000 ³
Potash		SI Turkmenhimiya	Garlyk processing plant	24
Salt:				
Rock salt		Gaurdak deposit	8 kilometers from Gaurdak	15
Do.		Khodzhaquymaskoye deposit	4 kilometers west of Gaurdak	NA
Do.		Kugitangskoye deposit	75 kilometers from Gaurdak	2
Do.		Uzun-Kudukskoye deposit	20 kilometers from Gaurdak	2
Salt brine		Kuulinskoye	40 kilometers north of Turkmenbashi	650
Iodized salt		Guvludyz Salt Factory	Balkan Welayat	60
Sodium sulfate		Karabogazsulfate Association	Bekdash, Kara-Bogaz-Gol Lagoon (off the Caspian Sea)	100
Steel, rolled		Turkmen metallurgical plant	Near Ashgabat	160
Sulfur		China National Petroleum Corp., LG International Corp., and Hyundai Engineering and Construction Corp. Ltd.	Three plants, Galkynysh	600

²Estimated; estimated data are rounded to no more than three significant digits. Do., do. Ditto. NA Not available.

¹Many location names have changed since the breakup of the Soviet Union. Many enterprises, however, are still named or commonly referred to based on the former location name, which accounts for discrepancies in the names of enterprises and locations.

²The majority of companies are Government owned.

³Capacity estimates are totals for all enterprises that produce refined petroleum.