

(b)—NORTH-EASTERN COAL DISTRICT

The output from this district was estimated in 1890 to be about 4,000 tons annually, since then it has greatly increased, but no statistics are available. The following localities, among others, where coal is known to occur are noted:

1. SHAMSEK. Situated about thirty-three miles north-east of Teheran. The strata here are much disturbed and the dips are high. Three seams are known, the main one being three feet thick with a parting. The following is an analysis from the three-foot seam:

Volatile matter.....	16.65%
Fixed carbon.....	72.21
Ash.....	11.14

2. VERGEDAR. Two seams, 10 and 20 inches thick, occur here, the coal being very earthy and brittle. The yearly output is about 40 tons.

3. SEFIDAB. Six seams are found here, varying from 30 to 5 inches. The coal burns with a clear flame and is suitable for gas or coke making as well for domestic purposes. The annual output is about 430 tons.

4. GIL-I-GACH. The coal is similar to that at Sefidab. Output, 325 tons yearly.

5. PIAZEK. This mine is situated at an altitude of 7,000 feet. The seam is 30 inches thick and the yearly output 325 tons.

6. DIV-I-SIAH. A 20-inch seam of good coal is mined here, the output being about 175 tons.

7. ALARU VALARU. About 30 tons a year is produced at this point.

8. BASTAN AND FIL-I-ZAMIN. The output from these localities amounts to about 175 tons annually. The coal is of good quality and the seams about 20 inches thick.

9. KHASUNEK. Coal of a quality similar to that of Sefidab is found here in two seams varying from 10 to 20 inches in thickness.

10. YUNESAR. Yearly output 325 tons.

11. KHATUN BARGAH.

12. GARMABDAR.

13. LALUN. Operated by a sugar factory until 1906.

14. RUDEK. The combined yearly output from this and the three last named localities is about 1,300 tons.

B—KHORASAN COAL-FIELD

Coal was mined on a very small scale in this district from ten to fifteen years ago, but the mines are now all abandoned, the shafts having been flooded in most cases. Although the coal is reported to be of good quality, the seams are thin and the total output during the period it was worked amounted to a few hundred tons only.