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MINING STATUS IN SLOVAK REPUBLIC DURING THE YEAR 2008

1. Introduction

During the year 2008 were exploited in Slovak republic deposits of economic minerals on surface as well as underground. Exploited were deposits of energetic raw materials (brown coal, oil and natural gas) ore (Fe, Au, Ag, Pb, Zn), Magnesite, salt, building materials (building material, gravel sand, sand, brick- clay material), limestone (for production of cement, lime and for other special purposes) as well as other materials (bentonite, perlite, talc, etc.).

In the year 2008 were in Slovak republic registered 863 deposits of economic minerals, from which 4 301 060 tons of raw materials were exploited underground. From that amount 2 242 824 ton was brown coal and lignite, 20 802 tons of oil, 2 058 236 tons of magnesite, salt and other raw materials as well as 111 823 000 m³ of natural gas (Fig. 1).

On surface was exploited 16 665 468 m³ for building purposes 15 281 254 m³ (building material, gravel sand, sand, brick- clay material), 893 500 m³ of limestone and app. 493 700 m³ of other raw materials (Fig. 2).

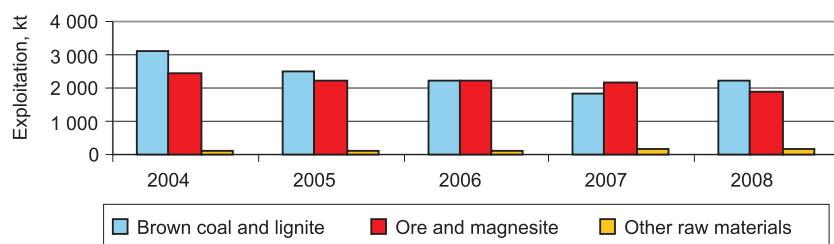


Fig. 1. Underground exploitations development of raw materials (kilotons)

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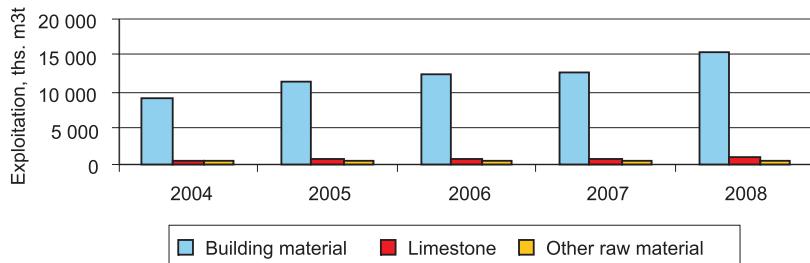


Fig. 2. Surface exploitations development of raw materials (in thousands m³)

2. Coal exploitation

The main producer of coal in Slovak republic is Hornonitrianske mine Prievidza, a.s. Prievidza. In the year 2008 was confirmed moderate growth form the year 2007 (Fig. 3).

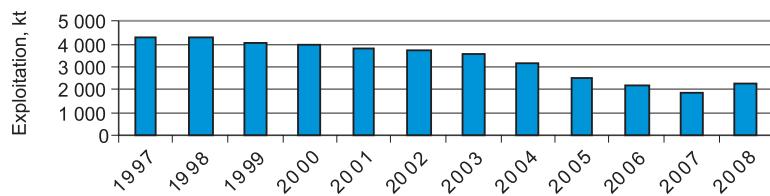


Fig. 3. Exploitations development of brown coal and lignite (in thousands ton)

The single mines assigned 2 001 754 tons of raw and 2 183 500 tons of sales exploitation. Compared to the year 2007 was noted increase of raw exploitation in 15.8% and increase of sales exploitation in 9.7%. Growth of sales exploitation was assigned in mines Baňa Nováky and in Bňa Cígel'. In Baňa Handlová was assigned sales exploitation decreasing. The main consumer of exploited coal was ENO Zemianske Kostoľany. By the coal mining were in the year 2008 employed 1898 employers, from that number 1625 employed underground and 273 surface employers.

3. Oil and Natural gas exploitation

Oil exploitation

In the year 2008 exploited organization NAFTA, a.s. Gbely in common 18 150 tons of oil (Gajary). From that amount devolve upon Gajary — Baden 10 472 tons (DP Gajary) Dúbrava 5 236 tons (DP Jakubov I), Jakubov — west 1 419 tons (DP Suchohrad and Kostolište), Cunín 1 023 tons (DP Unín I). Exploitation of gasoline runs continually with

exploitation of natural gas. In the year 2008 were by organization NAFTA a.s. Gbely exploited this volumes from each deposits. Plant — Mesozoic 450 ton (DP Závod) and Gajary — baden 271 tons (DP Gajary). Total cut of gasoline in NAFTA a.s., Gbely reached in the year 2008 amount of 721 ton.

Natural gas exploitation

The organization NAFTA a.s., Gbely, has exploited 44 241, 71 thousands m³ of natural gaze deposits in the year 2008.

From oil deposits, as collateral gas, exploited 58 443, 53 thousands m³ of natural gas.

The organization ENGAS spol. s.r.o, has exploited in DP Golianovo at natural gas deposit 9 535, 175 thousands m³ of natural gas. Natural gas was supplied to organization OPM 2 SR s.r.o., Nitra, for heat production in generation plant.

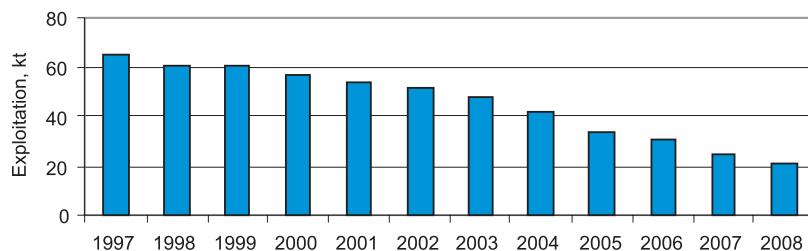


Fig. 4. Exploitations development of oil including gasoline

4. Underground storage of natural gas

Storage capacity

Storage process management of natural gas, injection and exploitation of active reserves from the complex PZZP Láb was depending on technical capacity of storage tank and simultaneous condition respect, agreed in contracts about storage of natural gas, which has NAFTA a.s., Gbely and POZAGAS a.s., Malacky restricted treaty with they business partners.

PZZP Láb first till third construction (Nafta a.s, Gbely)

Level of injection achieved in the year 2008 in objects PZZP Láb first and second construction are lower over 16 million m³ and on PZZP Láb third construction are lower over 567 million m³ compared to last year. Realization of construct work on technological equipment in first and third construction in the year 2008 was in lower range than in last year.

In the year 2008 was injected to warehouses of first and second constructs PZZP Láb fully 1 099.971 million m³ of natural gas. The maximum day output achieved in the year 2008 in first and third construct PZZP Láb was 19.2 million m³ per day during injection season and 18.7 million m³ per day during mining season.

PZZP Láb fourth construction (POZAGAS a.s., Malacky)

In the year 2008 was injected to constructions of fourth construction PZZP Láb fully 400.65 million m³ of natural gas. Maximum output per day was achieved in the year 2007 on fourth construction PZZP Láb and it was 4.6 million m³ per day during the injection season and 6.4 million m³ per day during mining season.

PZZP Gajary — baden (NAFTA a.s., Gbely)

In the year 2008 was injected to warehouse object PZZP Gajary — baden fully 137, 107 million m³ of natural gas within the frame of conversion of deposit for underground storage of natural gas. Maximum injected output achieved in the year 2008 to PZZP Gajary — baden was 1.46 million m³ per day and maximum mining output per day was 1.05 million m³ per day during mining season.

5. Ore exploitation

Besides siderite exploitation in Nižná Slaná and exploitation of aurum (198.45 kg), argentums (104.86 kg) and Pb, Zn ores by Slovak mining company s.r.o., Hodruša Hámre, were in Slovak republic in the exploitation ore area realized only liquidated and safety works.

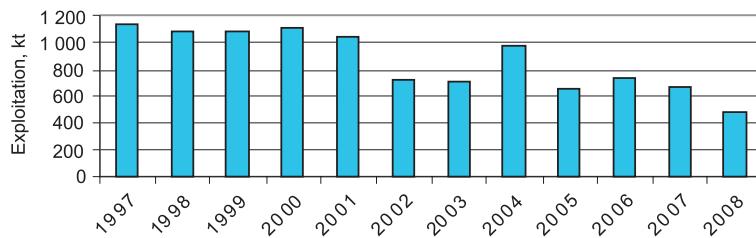


Fig. 5. The development of ore exploitation

Exploitation of siderite in the year 2008 is presented by 443.8 kilotons what shows us decreasing of exploitation in 31% against the year 2007. On November 2008 was promulgated on company Siderit s.r.o., competition of tenders.

6. Acrimonious raw

Magnesite

The whole exploitation in the organization Slovak Magnesite plant, a.s., Jelšava was presented in the year 2008 by 1 149.9 kilotons.

Slovmag a.s., Lubeník has exploited in the year 2008 278 kilotons of Magnesite raw material, what is decrease against the year 2007 about 19%.

In the organization Gemerská acrimonious company, a.s., Hnúšťa was exploited 10.6 kilotons of Magnesite raw material.

The total amount of exploited Magnesite raw was 1438, 5 kilotons without raw exploited from spoil bank (13.7 kilotons), what presents exploitation of 1452.2 kilotons (Fig. 6) compared to the year 2007, when was exploited and from spoil bank sub ducted 1503.6 kilotons. Number of employees decreased on 99 people.

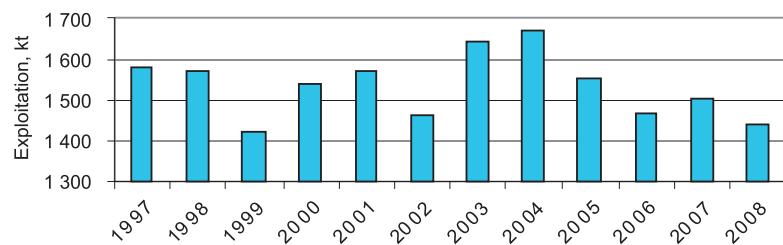


Fig. 6. Development of Magnesite exploitation

The Mineral Salt

Mining organization Solivary, stock corporation Prešov has exploited in cutting area Prešov I — Solivary in the year 2008 fully 109.5 kilotons of white salt in salt brine, what is about 6, 8 kilotons less than in the year 2007. Cutting methods in mining were: non-controlled immediate lixiviation solo wells, non-control lixiviation with connection wells underground and non- controlled lixiviation with foundation of mined out wells.

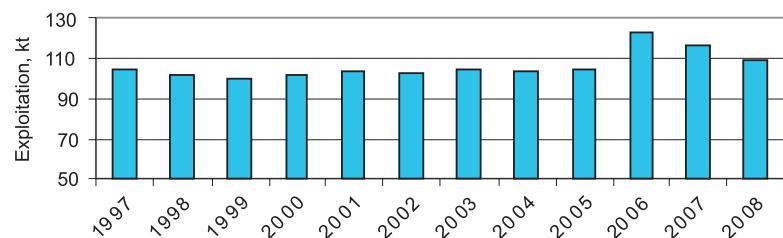


Fig. 7. Development of Mineral salt exploitation

7. Other acrimonious raw

There are no relevant changes against operations in the year 2007 in the area of other acrimonious raw material as - building material, gravel sand, sand, and brick-clay material

Just clay materials didn't confirm increase from the year 2007 and kept achieved goals from last years.

8. Conclusion

Industry development share on gross domestic product in Slovak republic is displayed on the Figure 8.

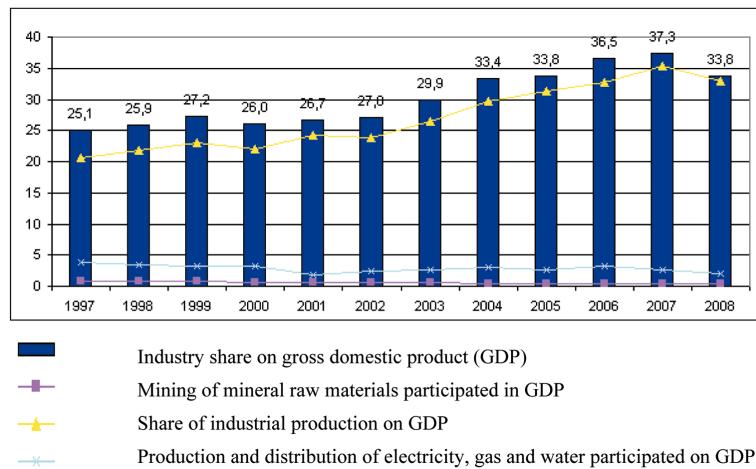


Fig. 8. Industry development share on gross domestic product in Slovak republic in the years 1997–2008

Industry share on gross domestic product in Slovak republic in the year 1997 composed 25.1% and in the year 2008 growth on 33.8%. Industrial production in the year 1997 participated in 20.5% on gross domestic product and in the year 2008 increased in 33%. Production and distribution of electricity, gas and water has participated in gross domestic product by 3.9% and its share decreased to 20%. Mining of mineral raw materials participated in gross domestic product by 0.8% in the year 1997 and its share felled down on 0.5%.

Contemporary situation of mining in Slovak republic during the year 2008 reflects trends and its meaning during last years. Compared with the year 2007, in the year 2008, there is moderate increase of exploited raw as it is underground so on surface. It is necessary to add to quoted numbers on surface in cubic meters also exploitation, which is shown in tons, concrete for various types of limestone (fully 6 729 800 ton) and other raw material (fully 931 800 ton).

REFERENCE

- [1] Report about activity of District mining bureau in Banská Bystrica per year 2008
- [2] Report about activity of District mining bureau in Bratislava per year 2008
- [3] Report about activity of District mining bureau Košice per year 2008
- [4] Report about activity of District mining bureau in Prievidza per year 2008
- [5] Report about activity of District mining bureau in Spišská Nová Ves per year 2008
- [6] Bureau of Statistics Slovak republic — Slovstat; processed: SAŽP