

Technische Universität Bergakademie Freiberg

Fakultät für Geowissenschaften, Geotechnik und Bergbau

**The International Association for the Exchange of students for
Technical Experience (IAESTE)**

IAESTE Freiberg

Report about:

Practical summer experience in Serbia

Done by:

Ammar Awad Hassan Ahmed

- **General information about Serbia:**

Serbia is largely mountainous. Its northeast section is part of the rich, fertile Danubian Plain drained by the Danube, Tisa, Sava, and Morava river systems. It borders Croatia on the northwest, Hungary on the north, Romania on the northeast, Bulgaria on the east, Macedonia on the south, and Albania, Montenegro, and Bosnia and Herzegovina on the west.

- **Weather**

Differences in elevation, proximity to the sea, and exposure to wind lead to significant climatic differences within Serbia. In general, however, the climate is continental, with cold, relatively dry winters and warm, humid summers. The difference between average temperatures in January and July in Belgrade is (22 °C).

- **Currency**

The official currency of Serbia is the Serbian dinar (ISO code: RSD; locally abbreviated as din.) which is made up of 100 para. Paper notes in denominations of 10, 20, 50, 100, 200, 500, 1000, 2000 and 5000 dinars, and coins in denominations of 1, 2, 5, 10 and 20 dinars are in circulation. The banknotes, at least in Belgrade, tend to be more common than the coins, so be prepared to carry around a large number of banknotes in varying conditions. Dinar is the only legal tender in Serbia. Exchange offices are ubiquitous in major cities, and they routinely accept euros, U.S. dollars and pounds sterling.

- **Language**

Unlike Romanians or Hungarians, Serbs do not have a distinct language to set them apart from their neighbours. They speak essentially the same language as Croats, Bosniaks, and Montenegrins, although some pronunciation and vocabulary are distinctive. This language, linguistically termed Serbo-Croatian, is now identified as Serbian, Croatian, Bosnian, or Montenegrin, depending on the ethnicity of the speaker. It is in its written form that Serbian differs from Bosnian and Croatian.

- **Hospitality**

Hospitality seems to be an innate principle of the Serbian people, while a smile, heartiness and high spirits are a main characteristic of the hosts, and can guarantee you good times and enjoyment. Hospitality is a common thing in Serbia, so much that I got surprised by the warm

and hearty welcome, above any expectations, that remains securely in their fondest of memories. Therefore you shouldn't be surprised when you get kissed as many as three times

- **People**

The temperamental and cheerful people in Serbia always find a way to happiness and joking, even when it appears there isn't one. The traditional festivities that bring entertainment, music and gourmand in abundance are a right place to get acquainted with the playful and cheerful temper of the citizens of Serbia.

- **Cuisines**

The Serbian gastronomy is a mix of oriental, central European and Balkan cuisines, offering an overwhelming variety of meals. Besides in restaurants and *kafanas* (something like a tavern), Serbs tend to eat lots of fast food, especially grilled for lunch, and pastry for any other meal. Serbia has a lot to offer to hedonists and eating out to catch local flavours it was an unforgettable experience and a highlight for me. When spending time in Belgrade or elsewhere in Serbia, make sure you try the local dishes. Local favourites are *ćevapčići* (small rolls of mixed minced meat), which are eaten with plain onions and warm bread. *Pljeskavica*, another extremely popular and tasty dish, is the actual ancestor of the hamburger. It is made of minced meat sprinkled with spices and grilled. You will come across all kinds of grilled meat, *Sarma* (minced beef and pork with rice enveloped in pickled cabbage or vine leaves), stuffed peppers, Serbian beans, *Podvarak* (roast meat in sauerkraut), *Musaka* (minced pork or beef mixed with eggs and potatoes and then baked), etc. A plum, considered a national fruit in Serbia, out of which a well-known rakia – Slivovitz is brewed, has, in a way, become one of the symbols of Serbia. You mustn't leave Serbia without having at least one glass of it.

For many of the Serbian national cuisine specialties there isn't a right word in the foreign language dictionaries, nor is there a taste they can be compared to. Therefore it is best that you come and taste them yourself.

- **My experience about the practical in Kolubara mines**

RB "Kolubara" is the mainstay of Serbian energy and the basis for a stable supply of Serbian thermal power plants for electricity production. Kolubara is the largest branch within the Public Company "Electric Power Industry of Serbia" and a leader in coal production in Serbia and the Balkans. The Kolubara surface mines produce about 30 million tonnes of lignite annually, which is about 70 percent of total EPS production. From Kolubara mine, three of the four tons of coal extracted come from. About 52 percent of Serbia's electricity is generated from Kolubara lignite, or every other kilowatt hour.

Coal is excavated on four surface mines Field B, Field D, Dark West West and Field G. In the process of operation, these four mines, which cover an area of approximately 80 square kilometres, in the municipalities of Lazarevac, Lajkovac and Ub, form one technological and production unit.

I got the pleasure to visit most of the working mine in this company with multi supervisors in different fields, coal is dug by rotary excavators which is 35 meters high and weigh between 1,500 and 2,000 tons. With the conveyor belt system, coal from the mines is transported to the processing plant after processing and preparation, coal is delivered to the thermal power plants "Nikola Tesla"

It was one of great summer that I have spent in my life and my carrier, I really learn a lot of Technics about mining engineer (works, technologies, solving some problem and everyday life).

The adventure also continue by meeting people from Serbia who are friendly, generous and polite to have people to know more about their life but communicate inside mines with people who speaks a little bit English was challenge despite that they were trying to overcome this problem.

In addition I should thank (IAESTE Freiberg) for giving me this great opportunity to meet people not only from Serbia but student from different parts of the world who also come to do practical in different companies and department of University of Belgrade.



Figure 1 IAESTE students from all over the world

ЕЛЕКТРОПРИВРЕДА СРБИЈЕ

Огранак РБ Колубара

Број: 04-06-18/1101-19

31 JUL 2019. година

Светог Саве 1, Лазаревац

Kao mentor, određen za obuku studenta **Ammar Awad Hassan Ahmed**, koji stručnu praksu obavlja u Ogranku RB Kolubara, u organizacionoj celini Površinski kopovi Baroševac, **potvrđujem** da je pomenuti student **uspešno** obavio deo stručne prakse na Pogonu "Tamnava Istočno polje" u periodu od 1.07.2019. do 1.08.2019. godine. Praksa je obuhvatala upoznavanje sa radom svih sistema za površinsku eksploataciju na kopu "Polje G", funkcije "Droblane", homogenizacija uglja na Tamnavskim kopovima i laboratorijska analiza uzoraka uglja. Ostatak stručne prakse će obaviti na Pogonu "Polja B".

As a mentor, designated for the training of student **Ammar Awad Hassan Ahmed**, who attends the practical training in the Branch MB Kolubara, at the organizational unit Open pit mines Baroševac, I hereby **confirm** that the above mentioned student **successfully** completed a part of the practical training at the organizational unit "Tamnava East Field" in the period from July 1st, 2019 to August 1st, 2019. The practical training included the introduction to operation of all surface mining systems on the open pit mine "Field G", functions of the "Crushing plant", coal homogenization on Tamnava mines and laboratory analysis of coal samples. The rest of the practical training will be carried out at the "Field B".

UPRAVNIK POGONA:

Stanojević Miloš, dipl. rud. inž.

HEAD OF THE ORGANIZATIONAL UNIT

Stanojević Miloš, grad. min. eng.

Miloš Stanojević

ЈАВНО ПРЕДУЗЕЋЕ "ЕЛЕКТРОПРИВРЕДА СРБИЈЕ"



Број 04.05-466959/1431

26.08.2019.

год.

БЕОГРАД, Балканска 13



Potvrda o obavljenoj stručnoj praksi

Kao mentor, određen za obuku studenta Ammar Awad Hassan Ahmed, koji stručnu praksu obavlja u Ogranku RB Kolubara, u organizacionoj celini Povrsinski kopovi Baroševac, potvrđujem da je pomenuti student uspesno obavio deo stručne prakse na Pogonu „Polje C” u periodu od 1.8.2019. do 30.8. 2019. godine. Praksa je obuhvatala sa upoznavanje sa radom svih jalovinskih i ugljenih sistema za površinsku eksploataciju kao i sistem bagera dreglajna na kopu „Polje C”. Studentu je takodje uvideo i tehnologiju odvodnjavanja na povrsinskom kopu u vidu bunara i pumpi.

Certificate of completion

As a mentor, designated for the training of student Ammar Awad Hassan Ahmed, who performs professional practice in the Branch MB Kolubara, at the organizational unit Open pit mines Baroševac, I confirm that the above mentioned student has successfully completed a part of the practical training at the organizational unit „Field C” in the period from August 1st to August 30st 2019. The practical training included the introduction to operation of all overburden and coal systems for surface exploitation as well as the system of dragline excavators on the open pit mine „Field C”. The student also saw the drainage tehnology on the surface mine in the form of wells and pumps.

Rukovodilac 3. sistema:

Milan Vukić dipl. rud. Inž.

Manager of the 3rd system:

Milan Vukić grad. min. eng.

ЈАВНО ПРЕДУЗЕЋЕ
ЕЛЕКТРОПРИВРЕДА СРБИЈЕ
11000 Београд, Балканска 13
eps@eps.rs www.eps.rs

ПИБ: 103920327
Матични број: 20053658
Тел: 011/20 24 600