

***Renewable energy permitting process:
from complexity to integrity
Case Study – Bosnia and Herzegovina***

Saša ŠĆEKIĆ
Head of Licensing and Technical Affairs Department

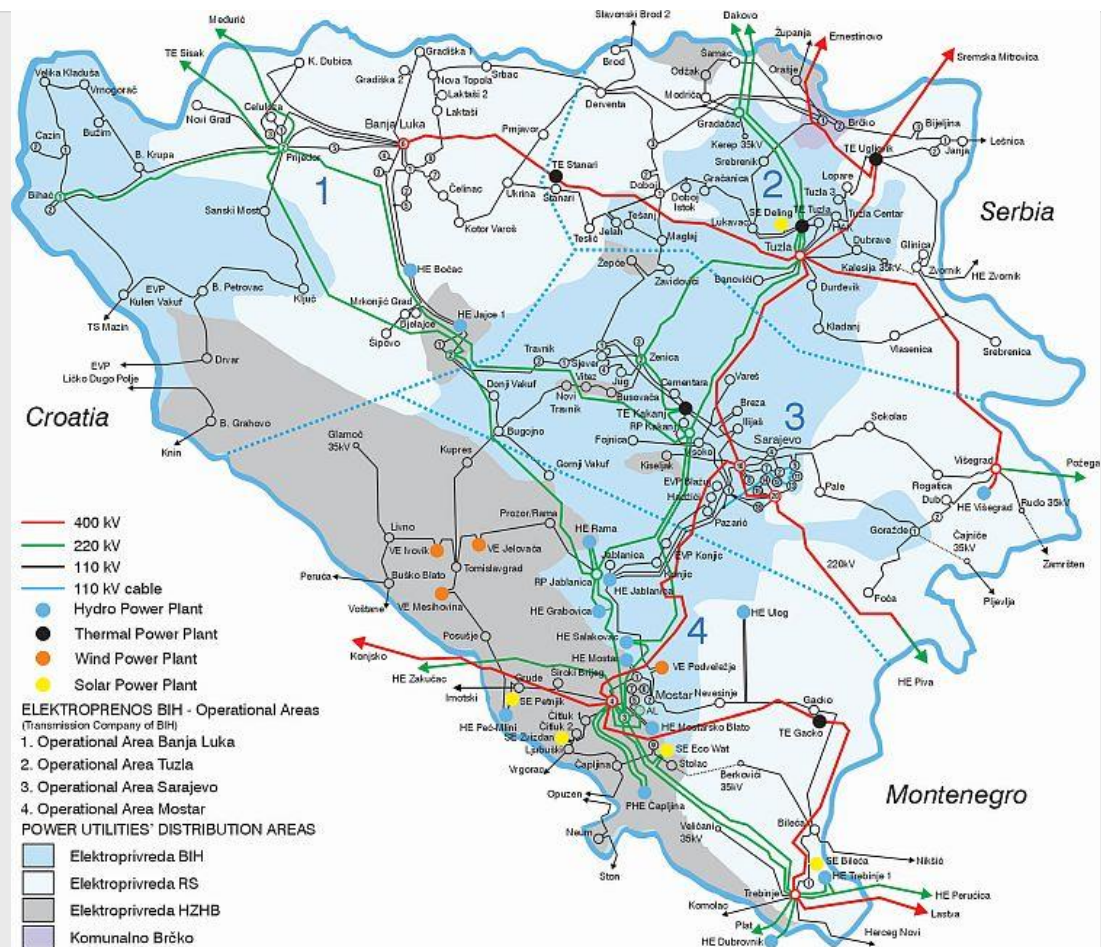
Introduction

- High renewable energy potential
- Challenge – Complex, fragmented permitting
- Goal – Shift towards transparency and efficiency

Administrative organization of BiH



Map of the Power System of Bosnia and Herzegovina



Competencies

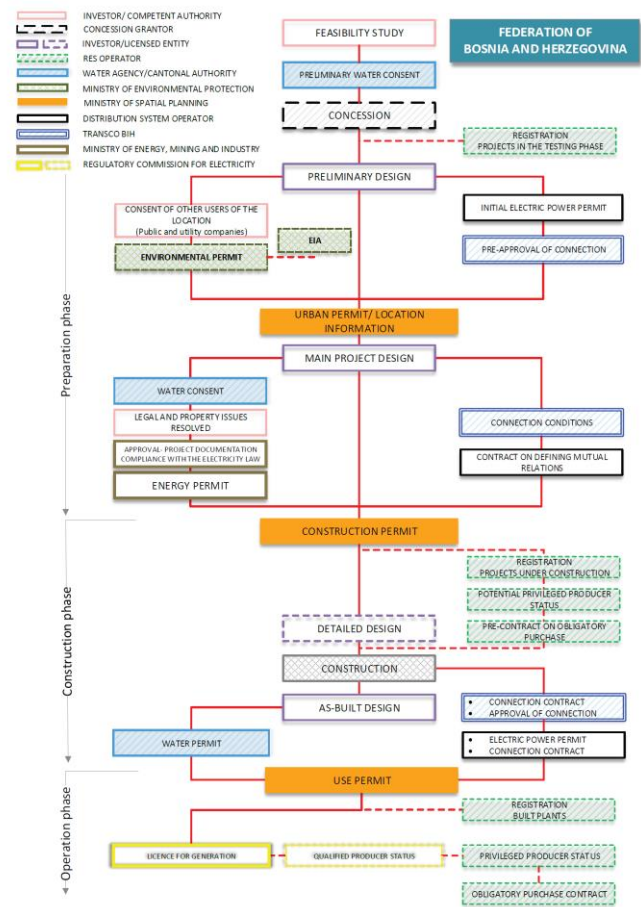
- Authorities/institutions at the BiH level have the competence to issue only two permits:
 - Concessions – in the case of inter-entity and inter state projects
 - Connection to the transmission network
- All other permits are issued at the level of entities and Brcko District In the FBiH, which consists of 10 cantons, cantonal and municipal authorities may also have the competence for issuing certain permits (e.g., construction permit) depending on the type and size of the electric power facility
- In the RS, the competence for issuing permits is divided between the authorities at the entity and the municipal level
- In BD the sole competence for issuing all necessary permits rests with the Brcko District (except preliminary construction permit and licence for production issued by SERC)

Basic permits

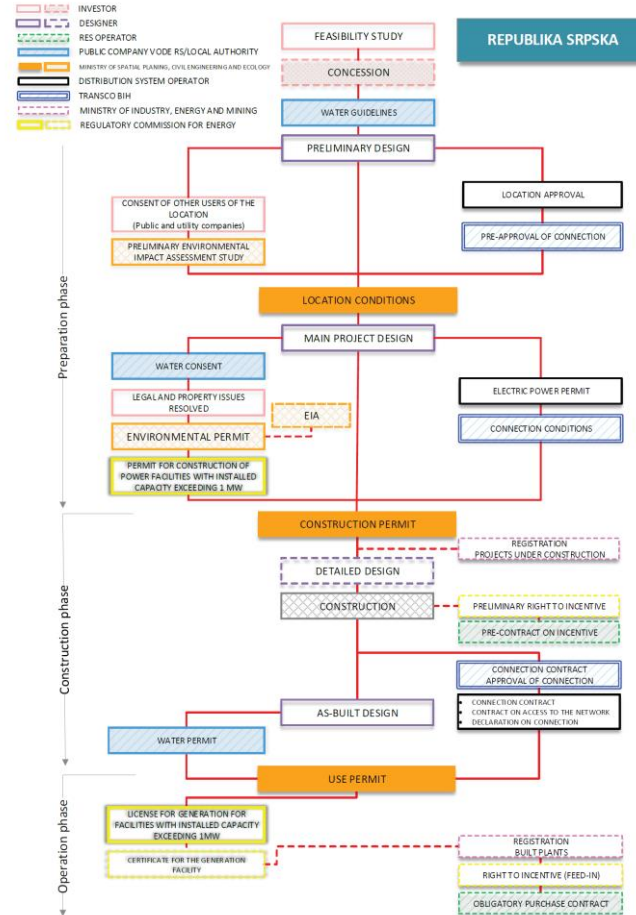
- Generally, electric power facility construction process in the FBiH, RS and BD is grouped around the three “basic” permits dealing with construction:
 - Urban Permit or Location Information (FBiH), or Location Conditions (RS)
 - Construction Permit (FBiH & RS)
 - Use Permit (FBiH & RS)

The permits required and the process

FBiH



RS



Connection to the transmission network

- Connection to the transmission network:
 - Pre-Approval of Connection
 - Connection Conditions
 - Connection Contract
 - Approval of Connection

Possible ways for improvements

- One-stop-shops
- Complete digitalization
- Deemed consent mechanisms
- Public transparency
- Strengthen anti-corruption
- Full EU alignment

Production capacity (MW) and load

	2024	2023
Total installed capacity	5185.14	4770.23
Large hydro	2129.06	2076.60
Thermal	1965.00	2065.00
Large wind	218.60	134.60
Large PV	235.62	29.90
Small hydro	168.54	185.88
Small PV	372.01	182.29
Biogas and biomas	2.71	2.71
Small wind	0.40	0.40
Industrial	92.85	92.85

Maximum hourly load:

- 2049 MW in 2024
- 2207 MW historic

Minimum hourly load:

- 651 MW in 2024
- 597 MW historic

Virtual power plants

- 5 balancing responsible parties
- 1213 power plants
- Installed capacity 350.620 MW
 - Small hydro 109.370 MW
 - PV 238.790 MW
 - Biogas 2.46 MW

Balance values

2024.	GWh
Generation in hydro power plants	4.731,94
Generation in thermal power plants	8.483,46
Generation in larger solar and wind PPs	601,56
Generation in small and industrial PPs	736,63
Generation	14.553,59
Customers connected to distr. Network	10.902,84
Transmission losses	328,46
Large customers	860,04
PPs self consumption and pumping	40,08
Consumption	12.131,42

***Thank you
for your attention!***

sscekic@derk.ba