

## ANNEX A: Basic Data on the Electric Power System of Bosnia and Herzegovina

(Source: ISO BIH, Elektroprenos BIH and public electric power utilities in BIH)

### Basic Data on Installed Capacity of Generating Units

Total installed capacity of generating facilities in Bosnia and Herzegovina amounts to 5,185.14 MW, with 2,129.06 MW, 1,965 MW, 218.6 and 235.62 MW installed in the major hydro power plants, thermal power plants, larger wind power plants and larger photovoltaic (solar) power plants respectively. Installed capacity of small hydro, small solar, biogas and biomass power plants and small wind power plants amounts to 168.54 MW, 327.02 MW, 2.71 MW and 0.40 MW respectively, while installed capacity of industrial powers plants amounts to 92.85 MW.

### Major generating units, connected to the transmission network

Hydro power plants	Capacity of power unit (MW)	Total installed capacity (MW)
Bočac	2×55	110
Čapljina	2×210	420
Dub	2×4.93	9.86
Dubrovnik (BIH+Hr.)	126+108	234
Grabovica	2×57	114
Jablanica	6×30	180
Jajce I	2×30	60
Jajce II	3×10	30
Mostar	3×24	72
Mostarsko blato	2×30	60
Peć-Mlini	2×15.3	30.6
Rama	80+90	170
Salakovac	3×70	210
Trebinje I	2×54+63	171
Trebinje II	8	8
Ulog	2×17.56	35.12
Ustiprača	2×3.74	7.48
Višegrad	3×105	315

Wind power plants	Capacity of turbines (MW)	Total installed capacity (MW)
Ivovik	20×4.2	84
Jelovača	18×2	36
Mesihovina	22×2.3	50.6

Podveležje	15×3.2	48
Photovoltaic power plants	Installed capacity (MW)	
Bileća	55.0	
Deling Invest	29.75	
Eco-Wat (I+II phase) (57+35.47)	92.47	
Petnjik	29.9	
Zvizdan	28.5	

Thermal power plants	Installed capacity (MW)	Available capacity (MW)
GACKO	300	276
KAKANJ	450	398
<i>Kakanj G5</i>	<i>110</i>	<i>100</i>
<i>Kakanj G6</i>	<i>110</i>	<i>90</i>
<i>Kakanj G7</i>	<i>230</i>	<i>208</i>
STANARI	300	283
TUZLA	615	550
<i>Tuzla G4</i>	<i>200</i>	<i>182</i>
<i>Tuzla G5</i>	<i>200</i>	<i>180</i>
<i>Tuzla G6</i>	<i>215</i>	<i>188</i>
UGLJEVIK	300	279

## Basic Data on the Transmission System

<i>transmission lines</i>	
Nominal voltage of transmission lines	Length (km)
400 kV	865.97
220 kV	1,526.23
110 kV	4,089.16
110 kV – kablovski vod	34.66

<i>interconnections</i>	
Nominal voltage of transmission lines	Number of interconnectors
400 kV	4
220 kV	10
110 kV	23
<i>Total</i>	<i>37</i>

<i>substations</i>		
Type of substation	Number of substations	Installed capacity (MVA)
TS 400/x kV	10	6,130.5
TS 220/x kV	8	1,423.0
TS 110/x kV	137	5,889.0

<i>transformers</i>		
Transmission ratio of transformers	Number of transformers	Installed capacity (MVA)
TR 400/x kV	14	4,900.0
TR 220/x kV	14	2,100.0
TR 110/x kV	260	6,442.5