

## **4.8. Potential Impact on Culture and Patrimony**

### **4.8.1. Social and Cultural Units and Conditions**

Within the NPP site area ( $r = 30$  km), there are two municipal centers which play a balancing role in the social and economic development of Constanta County and Ialomita County, namely, Medgidia located at 18 km away and Fetesti located at 18 km.

These two cities are representing two focusing factors for servicing the population in the area and in the central and western part of Constanta County and the eastern part of Ialomita and Calarasi County respectively.

Table 4.8-1 illustrates the status in point of number of social and cultural units within Cernavoda NPP site.

The residential area is represented by apartment blocks (7.977 apartments in Medgidia, 4040 apartments in Fetesti and 4410 apartments in Cernavoda) summing-up 16427 apartments in ten-story blocks and 43957 individual houses (Ref. 4.8-1).

The individual houses are generally made of non-structural materials and therefore their condition is quite low.

As a result of these circumstances, for most of the cities, some documentation were elaborated for dividing the land in smaller areas so to supplement and substitute the old houses.

### **4.8.2. Cultural, Archeological and Historic Patrimony**

On Cernavoda NPP site and near-by, there are no cultural, historical and archeological units of patrimony.

At some kilometers, Cernavoda Town represents in itself a turistic attraction due to its national landscape and concentration of technical art works (i.e the bridges over the Danube River and over the Danube-Black sea Canal, the derivation canal, Valea Cismelei, Cooling water intake duct, the lock, viaducts, pump houses, ports, etc.).

On a large scale, within the area surrounding Cernavoda NPP, there are historical monuments and archeological sites spread over large distances from the site (Ref. 4.8-2), e. g. Capidava.

Table 4.8-2 shows the historical monuments and values of cultural patrimony approved by Law No. 5/2000 (Ref. 4.8-3).

The national cultural patrimony also includes the Saligny Bridge and Axiopolis Roman stronghold.

In appendix III of the Law, the territorial units: Cernavoda, Alimanu, Mircea Voda and Rasova (zone  $r = 10$  km) are stated as “areas with very dense concentration of patrimony art effects having a national interest character”.

On the DMI listing issued by the Historical Monument Department in 1992, 16 objects of national cultural patrimony are specified, as presented in Chapter B of Table 4.8-2.

**Table 4.8-1.** The Network of Cultural – Social Units within Cernavoda NPP Site Zone (r = 30 km) Broken Down on Administrative Territorial Units

No.	City Town Village	City Hall	Police	Fire Fighting Unit	Cultural House	Cinema	Mail Office	Children garden	School	High- school	Vocational School	Educational Staff Total	Remarks
1	Medgidia	1	1	1	1	3	1	13	10	4	2	539	Cultural house, library, museum
2	Cernavoda	1	1	1	1	2	1	5	4	2	1	238	
3	Basarabi	1	1	-	1	-	1	3	2	1	-	113	
4	Adamclisi	1	1	-	1	-	1	3	4	-	-	21	Archeologic museum, fortress, monument
5	Aliman	1	1	-	1	-	1	3	4	-	-	29	
6	Castelu	1	1	-	1	-	1	3	3	1	1	95	
7	Ciocarlia	1	1	-	1	-	1	2	4	-	-	32	
8	Cobadin	1	1	-	1	-	1	4	3/	1	1	84	Cultural House
9	Crucea	1	1	-	1	-	1	5	6	-	-	31	
10	Deleni	1	1	-	1	-	1	4	4	-	-	30	
11	Ion Corvin	1	1	-	1	-	1	2	5	-	-	24	
12	Mircea Voda	1	1	-	1	-	1	4	7	-	-	58	
13	N. Balcescu	1	1	-	1	-	1	4	3	-	-	43	
14	Pestera	1	1	-	1	-	1	4	4	-	-	36	
15	Poarta Alba	1	1	-	1	-	1	3	4	1	1	82	
16	Rasova	1	1	-	1	-	1	2	3	-	-	28	
17	Seimeni	1	1	-	1	-	1	3	3	-	-	24	
18	Silistea	1	1	-	1	-	1	2	2	-	-	18	
19	Targusor	1	1	-	1	-	1	3	4	-	-	28	
20	Topalu	1	1	-	1	-	1	1	2	-	-	13	„Vintila” Art museum

No.	City Town Village	City Hall	Police	Fire Fighting Unit	Cultural House	Cinema	Mail Office	Children garden	School	High- school	Vocational School	Educational Staff Total	Remarks
21	Tortoman	1	1	-	1	-	1	1	1	-	-	20	
<b>Constanta County Total</b>		<b>21</b>	<b>21</b>	<b>2</b>	<b>21</b>	<b>5</b>	<b>21</b>	<b>74</b>	<b>82</b>	<b>10</b>	<b>6</b>	<b>1586</b>	
0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	Borcea	1	1	-	1	-	1	6	5	-	1	75	
<b>Calarasi County Total</b>		<b>1</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>1</b>	<b>6</b>	<b>5</b>	<b>-</b>	<b>1</b>	<b>75</b>	
1	Fetesti	1	1	1	1	2	1	10	9	3	2	458	museum
2	Bordusani	1	1	-	1	-	1	2	4	-	-	42	
3	Facaeni	1	1	-	1	-	1	2	3	-	-	42	
4	Stelnica	1	1	-	1	-	1	2	2	-	-	15	
<b>Ialomita County Total</b>		<b>4</b>	<b>4</b>	<b>1</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>16</b>	<b>18</b>	<b>3</b>	<b>2</b>	<b>55</b>	
<b>GENERAL TOTAL</b>		<b>26</b>	<b>26</b>	<b>3</b>	<b>26</b>	<b>7</b>	<b>26</b>	<b>96</b>	<b>105</b>	<b>13</b>	<b>8</b>	<b>2218</b>	

Within the area, there are 3 fire fighting units:

- Cernavoda Fire Brigade located in the temporary facilities of DBSC and the new main office under construction on Padurea Bisericii Hill (West – North – West Sector, d= 3.5km);
- Medgidia Fire Brigade (East – South – East sector, d = 18.5 km);
- Fetesti Fire Fighting Team (West – North – West sector, d = 21.0 km).

**Table 4.8-2.** Protected Areas Located in Cernavoda NPP Site Zone ( r = 10 km)

**A. As per P.A.T.N. – section III, approved by Law no. 5/2000**

No.	Item in the Low appendix	Title	Town Village	Position related to NPP		Remarks
				Sector	Distance (km)	
0	1	2	3	4	5	6
<b>Appendix I</b>						
2.0 Natural reserves and Monuments – Constanta County						
1	2.354	Fossil Place Cernavoda	Cernavoda	VNV	3.6	S = 3.00 ha.
2	2.355	Fossil Deposit Seimenii Mari	Seimeni	NNE	9.5	S = 0.50 ha.
<b>Appendix III</b>						
I National Interest Cultural Patrimony Values						
1. Architectural Monuments and Building Assambles						
I - Industrial arhitecture, comunication route						
3	I-3	SALIGNY BRIDGE	Cernavoda	VNV	4.0	
g – Castrums and associated civil settlements: Roman – Bizantine fortifications						
4	g - 12	“Axiopolis” Roman stronghold	Cernavoda	VSV	3.5	
II Territorial Units with High Density of National Interest Patrimony Values						
5 Cernavoda Town; Village; Aliman; Mircea Voda; Rasova						

**B. According to Center of Information and Cultural Memory (CIME) 1992 Listing (Computer Center and Cultural Memory of DMI)**

No.	Name and no. on CIMEC listing	Location	Value Category	Reference	Position related to NPP		Remarks (description, dates, etc)
					Sector	Distance (Km)	
0	1	2	3	4	5	6	7
1	3 Fortifications dated 1916 - 1918	Cernavoda km 4 north-est from the town			NE	2.5	Ruines of fortifications dated the World War I with traces of neolithic settlements and from age in the neighboring area
2	66 The area of the old commercial and administrative center	Cernavoda		14E0009	NW	3.1	A compact front built along 380 m and 17 buildings scattered in the central area, beginning of XX century
3	67 Stone wall	Cernavoda, south		14 A0020	SSW-WSW	3.0-3.5	Traces of "visible" walls and covered walls, .X—XI century, early Middle Age
4	68 " Sofia Hill " - settlement	Cernavoda- starting from km 100 west of the City Hall to the Danube	A	14 A0078	NW	3.5	Traces of superpose settlements from heolithic-bronze ages, Cernavoda I,II,III– cultural ages
5	69 Axiopolis area - graveyard	Cernavoda at 4,5 km south, 70m west from DJ 223	B	14 A0079	SW-WSW	2.5 – 3.5	Paleochristian tumb VI- VII A.D.
6	70 Axiopolis Stronghold	At 3 km south from town facing Hinog island on the right bank of the Danube	A	14 A0080	SW-WSW	3.5	VI B.C.-.VII B.C and traces from the Bizantine period
7	71 Bridge over the Danube and statues of Dorobanti soldiers	Southwards from the Channel confluence upstream km 300 D		14 B0095	WNW	3.9	1890 – 1895 Eng. Anghel Saligny
8	72 St. Constantin & Elena Emperors Church	Adjacent to the central area "str. Canalului"		14 B0089	NW	3.25	1882- 1885 Historical monument

0	1	2	3	4	5	6	7
9	73 Islamic church	Str. Crisan nr.4		14 B0090	NW	2.8	End of XVIII century- Historical monument
10	82 School (groundfloor +1 floor)	Str. Mircea cel Batran nr. 7		B 27 / 82	NW	2.25	End of XVIII century- begin XIX century -Historical monument
11	85 House (P+1) with shops (marking "Fr.D")				NW	2.95	End of XIX century- begin of XX century- Historical monument
12	86 House marked "Established in 1907"	Str.9 Mai / str. Dacia			NW	3.20	Historical monument
13	Ground floor house	Str. Dumbravei 15			NW	3.15	Begin of XX century - Historical monument
14	Great earth wave	Northwards from Cochirleni village and Gheremelelor Hill			SSE-SW	5.9-6.,5	IX century
15	81 "Patul" Stronghold and small earth wave	On the bank of the Danube northwards from Cochirleni village		14 A0018	SW	6.5	IV century A.D- Roman aged. Place when the Great Earth Wave ends. Un researched yet
16	Hero graveyard 1916-1918	Railway Station Mircea Voda			SE	9.0	

### **4.8.3. Estimated Impact and Mitigation Measures**

Having in view the present situation in the Cernavoda Town, the necessary specialists and workers for the completion and operation of Unit 3 who will live in the town will be integrated easily in the population and will meet people with similar professional profile. They will be integrated naturally within the existing cultural conditions and they will have a positive impact, increasing the proportion of people with high cultural level and stimulating the development of the education system.

The Cernavoda NPP activities are carried out far from components of the cultural, archaeological, historical patrimony and an impact on them is not expected.



## References

4.8-1. Proiect SA Constanța, *Reactualizarea studiului de sistematizare privind localitățile, populația și industria din zona de amplasare a CNE Cernavodă*, 2000.

4.8-2. ICIM, *Studiu de impact pentru CNE Cernavodă Unitatea 2*, 2002.

4.8-3. Lege nr. 5 din 6 martie 2000 privind aprobarea Planului de amenajare a teritoriului național - Secțiunea a III-a - zone protejate.

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