

Investment program, facilities and financing sources

thousand RON

0	1	INDICATORS	Date of completion of the investment	previous year 2020		Value		
				Approved	Achieved	Current year 2021	Year 2022	Year 2023
0	1	2	3	4	5	6	7	8
I		INVESTMENT FINANCING SOURCES, of which:		564.910	534.612	688.872	967.520	634.882
	1	Own sources, of which:		564.910	534.612	566.217	580.939	594.882
		a) amortization		564.910	534.612	566.217	580.939	594.882
		b) profit		-	-	-	-	-
	2	Budget subsidies		-	-	-	-	-
	3	Bank credits, of which:		-	-	-	-	-
		a) - internal		-	-	-	-	-
		b) external		-	-	-	-	-
	4	Other sources, of which:		-	-	122.655	386.581	40.000
		- Stock exchange listing		-	-	-	-	-
		- Carried forward amortization		-	-	122.655	36.581	-
		- SNN own sources		-	-	-	350.000	40.000
II		INVESTMENT EXPENSES, of which:		536.088	442.255	652.291	937.978	623.432
	A	Ongoing investments, of which:		91.304	74.195	210.364	409.842	363.584
		a) for goods privately owned by the economic operator:		91.304	74.195	210.364	409.842	363.584
	1	SNN Head Office:		49.755	44.809	144.274	82.244	147.000
	1.1	Cernavoda NPP (U3-U5), of which	2019	45	-	25.650	34.500	147.000
		- Initial contribution to the share capital of JVCo	2020	45	-	-	-	-
		- EnergoNuclear capitalization	2022	-	-	25.000	24.500	147.000
		- Studies and analyses of compliance with the requirements of the Nuclear Safety Directive by Project U3 - U4 - CANDU Energy	2022	-	-	200	10.000	-
		- Study to identify the structure, per countries of origin, potential suppliers	2021	-	-	450	-	-
	1.2	Extension of the life cycle of Unit 1 by re-tubing the reactor and refurbishing the main systems (studies)	2022	49.710	44.809	118.624	47.744	-
	2	Cernavoda NPP Branch (U1+U2):		41.477	29.329	66.079	327.480	216.466
	2.1	Intermediate Dry Storage Spent Fuel Facility (DICA)	2047	10.053	8.313	16.836	19.836	15.846
	2.2	Modernization and expansion of physical security system	2024	8.511	4.333	2.303	14.247	32.050
	2.3	D2O Tritium removal installation	2025	3.000	207	15.776	181.083	163.161
	2.4	Emergency control alternative center U1+U2	2024	128	0	0	132	1.166

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2.5	Increasing the safety in the operation of the power discharge system of Cernavoda NPP, by refurbishing the power discharge transformers and providing a spare trafo for two units	2023	2.194	2.891	-	33.950	-
2.6	Improving the response of Cernavoda NPP, i.e. of the nuclear security functions in case of events outside the projection bases due to the nuclear accident occurred at the nuclear plant Fukushima 1, Japan (U5 fitting)	2022	-	18	17.372	67.900	0
2.7	Improving the response of Cernavoda NPP, i.e. of the nuclear security functions in case of events outside the projection bases due to the nuclear accident occurred at the nuclear plant Fukushima 1, Japan (implementation of MPA EC 1094, MPA EC 1192, MPA EC 3037, MPA EC 2892 etc.)	2023	1.486	85	565	6.100	580
2.8	Fitting of the land owned by the NPP and relocating the necessary buildings for the proper operation of the Seiru warehouses on the territory of Cernavoda NPP	2021	2.871	3.745	1.828	-	-
2.9	Replacing the ventilation and air conditioning system related to Pavilion 2	2023	468	0	0	2.040	1.988
2.10	Replacing the ventilation and air conditioning system related to Pavilion 6	2023	1.200	-	0	1.900	1.674
2.11	Software and hardware refurbishing of the full scope simulator	2021	4.728	4.635	5.916	0	0
2.12	Increasing the reliability of SDS#1 by the replacement of ROPT SDS#1 U1 amplifiers and EMI Tusonix filters on the NIM-BIN drawers, with new EMI amplifiers and filters, more reliable, similar to project ROP SDS#1 U2	2021	-	0	1.544	0	0
2.13	Replacement of corroded pipe section in the area of A. Saligny Street.	2021	2.233	969	1.588	-	-
2.14	Periodic Nuclear Safety Review (RPSN) for U1/U2	2022	4.606	3.866	2.352	291	-
2.15	Replacing the control section of the excitation system 2-41280-PL 1615 from Unit 2	2020	-	267	-	-	-
3	Pitesti NFP Branch:		72	57	10	118	118
3.1	Integrated computer system for managing the production of nuclear fuel (SIMP)	2023	72	57	10	118	118
	b) for the goods from the public domain of the state or of the administrative-territorial unit:		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	c) for the goods from the private domain of the state or of the administrative-territorial unit:		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	- (name of objective)		-	-	-	-	-

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	d) for goods taken in concession, leased or under administration, excluding those from the public or private domain of the state or of the administrative-territorial unit:		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
B	New investments, of which:		14.484	3.523	40.998	332.422	155.893
	a) for goods privately owned by the economic operator:		14.484	3.523	40.998	332.422	155.893
1	Cernavoda NPP Branch:		5.150	417	24.848	137.979	142.393
1.1	Modernization works Water treatment Station (STA) stage II phase I	2023	10	-	0	1.921	1.470
1.2	Rehabilitation and fitting of roads, platforms and underground pipelines/decommissioning of the internal railway, of the black oil unloading ramp and of the ABA boiler/Refitting of the land and building holes for unloading CLU from road tankers	2023	-	-	-	2.450	12.250
1.3	Software for the integrated management of the power station - Asset suite 6.0.4 upgrade to version 9.X	2022	-	-	3.920	5.068	0
1.4	Purchase of hardware/software platform (minimal architecture)	2021	-	-	7.056	0	-
1.5	EDMS replacement and integration with AS 9.X	2022	-	-	1.960	5.016	0
1.6	Improving the underground water system pumps 1-1531-P01, P02, P03, P05, P06, P07	2023	-	-	-	780	529
1.7	Installation works for air dehumidification equipment, with adsorbent wheel, for the ventilation system in the Reactor U1 Building	2023	438	91	0	2.200	1.661
1.8	Refurbishing the fire detection systems installed in NSP-U1 and Pavilion 2	2023	205	-	477	74	2.776
1.9	Rehabilitation and modernization of the fire water pumping station - SPAI - SPAI design	2023	-	-	0	3.161	4.054
1.10	GEM noble gas spectrometer for ensuring the monitoring of the gas emissions at U2, similar to the one installed at unit U1	2022	-	-	123	1.348	-
1.11	Improving the reliability of the DIESEL generating groups SDG U1	2024	-	-	-	0	490
1.12	Increasing the reliability of the EVA 8000 storage system that ensures the centralized storage of the production data of the computer system of Cernavoda NPP by replacing it	2022	4.000	-	5.819	5.478	-
1.13	Increasing the reliability of the class II 220Vca distribution system, at U2 by replacing the voltage stabilizers 2-5542-VR1A/1B/1C	2022	-	-	0	1.286	-
1.14	Refurbishing systems GFP U1 and GFP U2. Replacing the computers and spectrometers GFP U1 and U2 because of their obsolescence and the necessity for improving their reliability	2022	95	-	0	1.789	-

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1.15	Installing an air filtering unit on the fresh air suction line of the air conditioning units 1-7342-ACU3/ACU4 related to the Main Control Room of Unit 1	2023	-	-	-	736	8.722
1.16	Rehabilitation of the cellular component warehouse - Quadricell of DIDSR	2022	-	-	0	1.336	-
1.17	Ensuring the supply of the important consumers at U0 from own sources in order to increase the operating safety in case of losing the supply from SEN	2022	-	-	-	4.283	-
1.18	Increasing the production capacity of the primary thermal agent, according to the requests of the local community from Cernavoda, by building at Unit 2 a thermal unit similar to PTU1	2023	-	-	-	490	12.899
1.19	Installing an independent system for monitoring the structures for the manual triggering of the power station in case of a serious earthquake	2022	10	-	-	1.940	-
1.20	Improving the performance of the DCC display system by replacing the Ramtek FS2400 graphics system at U1 and VDMC at U2	2023	10	-	4.987	3.169	-
1.21	Replacing the axle/pump vibration radial displacement measurement panels NSP U1	2022	-	0	-	663	-
1.22	Refurbishing the fire detection and control and the Deluge valve monitoring sections related to the transformers 0-5135-TC01/TC02, 0-5134-T1/T2	2021	-	-	429	0	-
1.23	Making a lightning arrester at the light liquid fuel tanks related to CTP	2020	349	326	0	-	0
1.24	Fitting the drainable basin for the collection of wastewater related to Pavilion # 10 of Cernavoda NPP	2022	34	-	16	217	-
1.25	Modernization of the instrumentation system required in order to perform the test to determine the tire leak rate at U2 of Cernavoda NPP	2021	-	-	-	1.935	-
1.26	Installation of the solar energy to electricity conversion system with photovoltaic panels in the Campus residential area (feasibility study)	2021	-	0	34	-	-
1.27	Improving the reliability of the 1-4121-G01 electric generator by replacing the stator coil	2022	-	-	0	90.200	-
1.28	Rehabilitation of office building (former headquarters of SCNM) - Technical expertise	2021	-	-	28	-	-
1.29	Replacing the rotor corresponding to the main generator related to 2-4121-G02 of U2 with a new rotor	2023	-	-	-	0	95.550
1.30	Improving the performance of the closed circuit television (CCTV) system of U1	2022	-	-	-	2.293	0
1.31	Ensuring a safe additional source of water for the district heating system of the City of Cernavoda	2023	-	-	-	55	1.154

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1.32	Implementing a PMS (Power Management System) platform at Cernavoda NPP, stage I-SF	2025	-	-	-	93	838
1.33	Purchasing lands/buildings and works for the rehabilitation/modernization/extension	2022	-	-	-	0	0
1.34	Expenses for drafting pre-feasibility studies, feasibility studies and other studies related to the investment units (JP)	2022	-	-	-	0	0
2	Pitesti NFP Branch:		-	-	-	-	-
2.1	Feasibility study regarding the possibility of increasing the storage capacity for raw materials, direct materials, for finished products and annexes	2019	-	-	-	-	-
2.2	Design and execution of natural gas supply system	2019	-	0	-	-	-
3	SNN Head Office:		9.334	3.106	16.151	194.443	13.500
3.1	Capitalization of Nuclearserv SRL	2024			1.200	7.500	
3.2	Initial capitalization of HENRO	2020			250		
3.3	Capitalization of processing Branch in Feldioara	2023			2.300	179.100	13.000
3.4	Cyber Project	2022			5.176	1.294	
3.5	Modernization of DC	2021			150		
3.6	Centralized Personnel Management System	2022			45	245	
3.7	Centralized Payroll System	2022			450	2.000	
3.8	Storeroom and RFID stocktaking optimization system	2021			270		
3.9	ERP integration at Group level, Update and Development	2023			1.143	510	500
3.10	Antivirus	2022			125	365	
3.11	Service Manager, IT Asset & User Management	2022			294	196	
3.12	Redesign and digitization of processes (from EDMS)	2022			500	2.896	
3.13	Purchase of hardware/software platform	2021			3.723		
3.14	Installation of security devices	2022			505	337	
3.15	AIO tempest workstation	2021			20		
No No.	SNN integrated communications network - equipment, installation, implementation	2021	1.800	2.225			
No No.	E-mail and user integration, other Microsoft licenses	2022	1.800	350			
No No.	EAM solution upgrade	2023	-				
No No.	Business Processes and Document Management solution	2023	1.000				
No No.	IT Service Management	2021	1.000				
No No.	Centralized Storage	2023	-				
No No.	BACK-UP & SNN centralized archiving	2021	942	34			
No No.	IT Asset & User Management	2021	942	105			
No No.	CYBERSECURITY – As per NIS (L362/2018), implementation of integrated SOC, ISO27001 certification	2023	100	207			
No No.	Implementation of excellence, IT & OT Training and Cybersecurity center	2023	100				
No No.	ERP with various modules (FIN, HR, CRM, TRANSACTIONS, RISK ETC.)	2023	500	43			

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	No No. Bussiness Inteligence & Dashboards	2023	10				
	No No. Hardware refresh	2023	1.000	142			
	No No. Digital Processes Security	2023	100				
	No No. Project Management	2023	-				
	No No. Access control and intercom system	2020	19				
	No No. Video, anti-burglary, surveillance system, back-up alarm system	2020	21				
	b) for the goods from the public domain of the state or of the administrative-territorial unit:		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	c) for the goods from the private domain of the state or of the administrative-territorial unit:		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	d) for goods taken in concession, leased or under administration, excluding those from the public or private domain of the state or of the administrative-territorial unit:		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	- (name of objective)		-	-	-	-	-
	C Investments made at the existing tangible assets (upgrades), of which:		132.278	109.967	90.811	30.014	39.679
	a) for goods privately owned by the economic operator:		132.278	109.967	90.811	30.014	39.679
	1 Cernavoda NPP Branch:		126.657	107.414	85.595	27.084	39.679
	1.1 Supply of lifting equipment for the replacement of power cranes in R/B, R601 U1/U2 and for servicing the valves of the 41190 system in T/B U2	2022	444	-	60	566	-
	1.2 Refurbishing works for the weather tower at Unit 1	2022	56	-	0	354	-
	1.3 Replacing the mam machine interface related to 2-52300-DG1/DG2	2023	-	-	0	0	980
	1.4 Services associated with the implementation of immobilizing spare parts in OP U1/U2	2021	53.045	54.117	52.000	20.000	33.000
	1.5 CA/LA services PLiM cables program	2021	3.604	3.311	2.213	3.099	3.099
	1.6 Running the program GA, CR # 30974 (dome inspection, tubular plate washing)	2021	13.616	11.944	17.036	0	-
	1.7 Running the Program Feeders CR 28786 (Inspection of Feeders in spare parts for feeder inspection equipment in U1/U2 OP)	2021	6.508	5.842	6.206	-	-
	1.8 Running the Program HX OP U1/U2 - (for 2020: ECT U1OP20 inspections and plugging 4 tubes on request)	2021	2.631	1.829	1.969	-	-
	1.9 Gabion lifting construction works for hydrotechnical circuit	2021	160	-	160	-	-
	1.10 Thermal insulation works for the facades of block A1, entrances 1 - 5	2021	600	-	706	-	-
	1.11 Repair works for the pool	2021	440	-	419	-	-

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1.12	Hydro-insulation works for block A1, entrances 1 - 5	2021	-	-	647	-	-
1.13	Repairs on pumps type F24 NDS BSI 71340	2021	-	-	400	-	-
1.14	Capital repairs on the pumps type NMV 1000 RA/NMV 1000 BSI 71310 and 71340	2021	1.100	-	1.020	1.100	1.100
1.15	Maintenance and repairs for NMV2000 BSI 71210 electric pumps	2021	1.790	-	1.830	1.500	1.500
1.16	Capital repairs on the air compressors 2-7510 CP3/CP4	2020	900	433	930	465	-
1.17	MPA-EC#2989/Replacing vibration transducers at pumps 1-4323-P01, P02 and P03 (full services: ensuring the parts, assembly and startup testing)	2021	679	408	-	-	-
1.18	MAN services for preventive maintenance and implementation of changes	2021	5.640	-	-	-	-
1.19	Running the Feeder Program: - Replacement of G13A feeder	2020	11.371	7.776	-	-	-
1.20	Implementation of the fuel channel program (inspection of fuel channels and sampling material in OP U1/U2)	2020	23.088	20.799	-	-	-
1.21	Repair works for 150 seats Hostel - Cernavoda	2020	985	956	-	-	-
2	Pitesti NFP Branch:		5.622	2.553	4.232	2.930	-
2.1	Modernization of the fuel bundle manufacture line in order to optimize the flow of manufacturing and improving the quality of the finished product	2021	551	511	19	-	-
2.2	Modernization of the communication infrastructure, fitting the data center according to the TIA942-1 standard, and implementing measures for mitigating the information security risk	2020	430	370	0	-	-
2.3	Modernization of offices, work spaces and hatches, cafeterias - design and technical assistance, implementation and fittings	2021	303	20	0	-	-
2.4	Modernization of dining rooms and offices on the ground floor	2021			207		
2.5	Modernization of the ventilation installation of the physical-chemical laboratories	2021	960	9	951,35	-	-
2.6	Capital repairs on the rotational press R53	2021	1.354	899	474,34	-	-
2.7	Capital repairs of Rolcompactor I	2021	371	-	387	-	-
2.8	Modernization of the chamfering and burring machine	2021	277	-	277	-	-
2.9	Modernization of the Feintool GKP F-40 press	2020	248	242	0	-	-
2.10	Anti-fire system at the ventilation system of hall IV (design and implementation)	2022	174	-	0	-	-
2.11	Change in the ventilation and air conditioning system project of hall 4 and extensions	2021			55		
2.12	Rebuilding the floors of Hall IV (including the annexes) and Hall V	2021	142	-	240	-	-
2.13	Renovation of SMEU workshops	2020	120	188	0	-	-
2.14	Modernization and rehabilitation of the FC Warehouse and Zy-4 Warehouse	2020	176	124	0	-	-

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	2.15	Hydro-insulation of the roof of the FC and Zy-4 warehouses	2020	145	40	0	-	-
	2.16	Rebuilding the epoxy floors of the FC and Zy-4 warehouses	2020	72	62	0	-	-
	2.17	Modernization of press Feintool GKP F-160	2021	300	-	211	-	-
	2.18	Modernization of drinkable and fire-fighting water network (Investment approved as facility - "drinkable water and fire-fighting water network automation board" of Annex 4.1)	2020	-	88	-	-	-
	2.19	Modernization of grinding machines without MRFC-50 centers	2022	-	-	-	1.940	-
	2.20	Renovation of premises in the NFP building	2021	-	-	400,00	-	-
	2.21	Modernization of garage wing and ST premises	2021	-	-	250,00	-	-
	2.22	Hydro-insulation of General Commodity Warehouse	2021	-	-	281,00	-	-
	2.23	Modernization of ZPI cap-grid welding installation	2021	-	-	480,00	-	-
	2.24	Design for the extension of the Be sedimentation ventilation system	2022	-	-	-	50	-
	2.25	Capital repairs on the hydrogen production plant	2022	-	-	-	940	-
	3	SNN Executive		-	-	983	-	-
	3,1	Interior design related to the headquarters	2020	-	-	983	-	-
		b) for the goods from the public domain of the state or of the administrative-territorial unit:		-	-	-	-	-
		- (name of objective)		-	-	-	-	-
		- (name of objective)		-	-	-	-	-
		c) for the goods from the private domain of the state or of the administrative-territorial unit:		-	-	-	-	-
		- (name of objective)		-	-	-	-	-
		- (name of objective)		-	-	-	-	-
		d) for goods taken in concession, leased or under administration, excluding those from the public or private domain of the state or of the administrative-territorial unit:		-	-	-	-	-
		- (name of objective)		-	-	-	-	-
		- (name of objective)		-	-	-	-	-
	D	Facilities (other purchases of tangible assets)		71.478	36.263	91.687	-	-
		Cernavoda NPP Branch		67.524	33.730	87.665		
		Pitesti NFP Branch		2.564	1.956	3.222		
		SNN Headquarters		1.390	576	800		
	E	Reimbursements of instalments related to investment credits, of which:		226.544	218.308	218.431	165.701	64.276
		a) - internal		-	-	-	-	-
		b) - external		226.544	218.308	218.431	165.701	64.276

Chief Executive Officer
Cosmin Ghita

Deputy Chief Executive Officer
Dan Laurentiu Tudor

Chief Financial Officer
Paul Ichim

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Note:

Categ. I Compliance/regulatory requirements - Safety (nuclear and personnel)/environment/physical protection etc.

Categ. II Improvement of the condition of the plant/factory - critical/aged/decommissioned components etc.

Categ. III Production - investments with impact in the sense of removing problems/vulnerabilities/reducing and/or streamlining production