

LIST
item "FACILITIES" for year 2024

Appendix no. 4.1

thousand lei

Item no.	Nomination of purchases of goods and other investment costs	M.U.	IEB proposal	
			Quantity	Amount
0	1	2	3	4
	Cernavodă NPP Branch			103,443
1	Supply of Heavy Water to replenish the 2024 stock	kg	8,100	24,300
2	Capital repair for NMV 2000RA pumps	pcs.	1	1,800
3	Capital repair for NMV 1000RA pumps	pcs.	1	1,500
4	Capital repair for F24NDS pumps	pcs.	3	1,200
5	MIB VN3 F1900 (BSI 71310) engine repair services	pcs.	2	560
6	Repairs services for MIB N3 1000L 150-8 (BSI 71340) engines	pcs.	2	520
7	Replacement of the defect air conditioning installations	set	1	600
8	Spare parts reclassified d as plant, property and equipment	set	1	24,561
9	Measuring and control devices	pcs.	1	49
10	Ultrasonic cleaners	pcs.	3	34
11	Printing equipment	pcs.	1	1,131
12	Infrared thermal imaging camera of the thermographic inspection center	pcs.	3	227
13	MOLEX crimping tool	pcs.	1	5
14	Semiautomatic devices for large-diameter pipe cutting and beveling	pcs.	2	329
15	Measuring and control equipment for the Automation Workshop	pcs.	7	125
16	Circular dead-eyes	set	1	40
17	Portable recorder with universal input, min. 16 channels	pcs.	4	525
18	Lifting gear	pcs.	5	65
19	Sliding transport rollers for transport of heavy equipment	set	2	100
20	Tools and equipment for the electronics lab - 4-channel source	pcs.	1	14
21	Complete heat treatment kit	pcs.	1	105
22	SSG staff tool kit	pcs.	4	29
23	Electrician tool kit	pcs.	2	10
24	Welders	pcs.	2	10
25	Locksmith tool kit	pcs.	1	15
26	Spare parts for maintenance			
27	Air-seal ring assembly, ICSITEE drawing b4v-6-3001-80, GE drawing 148d3335g0009	pcs.	1	80
28	Air-seal ring assembly, ICSITEE drawing b4w-6-3001-95, GE drawing 148d3335g0013	pcs.	1	91
29	H2 air-seal ring assembly, ICSITEE drawing b4v-6-3001-83, GE drawing 148d3335g0010	pcs.	1	83
30	H2 air-seal ring assembly, ICSITEE drawing b4w-6-3001-97, GE drawing 148d3335g0014	pcs.	1	83
31	425-1607 3-way servo-valve, p/n 78137, with 2 coils, ABEX, GE drawing 244a5075p0001	pcs.	3	264
32	Differential pressure control valve, FISHER 1-1/2 edr-647 model, range 3-12 psi, size 30, general electric p/n 207b4731p0001, acc. to GE manual gey-5612	pcs.	1	152
33	p2/31,35 bushing, new GE drawing 222a2928p0002, old GE drawing 222a2928p0102, ICPET drawing m49-5-3000- 43, item 37 drawing m01-5-0000-24	pcs.	2	103
34	p2/32 guiderail, old GE drawing 155b1359p0002, new GE drawing 155b1359p0102, drawing lcpet m01-5-3000-64	pcs.	2	244
35	Rod, GE drawing 213b7537p0001, ICPET drawing m01-5-3000-61, item 11 of the drawing for the m01-5-0000-24 set	pcs.	2	408
36	Valve cover, GE drawing 141c9969p0001, ICPET drawing m01-5-2000-23, item 13 of the drawing for the m01-5-0000-24 set (ICPET), 922e961 (GE), 82-41190-9019-1-dd-0	pcs.	2	269
37	24" valve, GE drawing 133d4642p0001, ICPET drawing in .dwg format m10-5-3000-80, for quick-close valve assembly GE drawing 841e217 item 16/82-41190-9013-1-dd-0 item 9	pcs.	3	1,300

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			Quantity	Amount
0	1	2	3	4
38	Valve rod, GE drawing 213b7549p0001, ICSITEE drawing m10-5-3000-83, item 23 of the GE drawing 841e217, item 15 of the ICSITEE drawing m10-5-0000-22, General Electrical	pcs.	3	390
39	Cross-head, GE drawing 0994d738p0002, ICPET drawing mp3-5-1000-58	pcs.	1	475
40	Cross-head guiderail, GE drawing 302a7238p0001, ICPET drawing mp3-5-3004-77	pcs.	1	109
41	Acquisition of 2 calibration digital thermometers for metrology activities (CR#40813)	pcs.	2	30
42	Acquisition of a measuring transducer for the metrology of mechanical parameters (CR#40710)	pcs.	1	8
43	Equipment for remote visual inspection	pcs.	2	13
44	Calibrators for ultrasonic equipment calibration	pcs.	3	14
45	Portable mass spectrometer for Helium leak determination	pcs.	1	158
46	VOTES INFINITY VIPER equipment repair and calibration services	pcs.	1	37
47	Spiral spring assembly	pcs.	10	606
48	Filtering cartridges	pcs.	13	621
49	Length control assembly band	pcs.	7	483
50	Spare parts for valves	pcs.	3	260
51	Ion chromatography systems with conductometric detection	pcs.	2	1,232
52	Expenses on WTS equipment (electric pumps)			
53	Water purification system for the WTS laboratory	pcs.	1	37
54	Electric pumps for dosing hydrochloric acid in the WTS regeneration process	pcs.	3	77
55	Electric pumps for dosing hydrochloric acid in the WTS neutralization process	pcs.	2	149
56	CR120-2-1E-F-A-E HQQE electric pump, Flow-rate = 120 m3/h; p = 3.5 Bar; P = 18.5 KW; Manufacturer GRUNDFOS	pcs.	1	48
57	CR120-2E-F-A-E HQQE electric pump, Flow-rate = 100 m3/h; p = 4.5 Bar; P = 22 KW; Manufacturer GRUNDFOS	pcs.	1	53
58	ILG6 183-2AA91-Z asynchronous motor Model 180M 3X400D2 22.0KW B05-48, Manufacturer SIEMENS/GRUNDFOS	pcs.	1	27
59	CRN120-3-E-F-G-V HQQV electrical pump, Flow-rate = 120 m3/h; p = 6.44 Bar; P = 30KW; Manufacturer GRUNDFOS	pcs.	1	74
60	81D15332 asynchronous motor, Model 200L 3X400D2 30.0KW B05-55, Manufacturer GRUNDFOS	pcs.	1	37
61	CR120-3-E-F-G-E HQQE electrical pump, Flow-rate = 120 m3/h; P = 30 KW; H = 64 m Manufacturer GRUNDFOS	pcs.	1	71
62	200LK asynchronous motor, Manufacturer SIEMENS/GRUNDFOS	pcs.	1	36
63	CRN64-2-E-F-G-E HQQE electrical pump, Flow-rate = 64 m3/h; P = 11 KW; H = 45 m Manufacturer GRUNDFOS	pcs.	2	69
64	160MC asynchronous motor, Manufacturer SIEMENS/GRUNDFOS	pcs.	2	34
65	CRN64-2-2-E-F-G-E HQQE electric pump, Flow-rate = 64 m3/h; P = 7.5 KW; H = 31 m Manufacturer GRUNDFOS	pcs.	1	27
66	132SD asynchronous motor, Manufacturer GRUNDFOS	pcs.	1	13
67	Siemens programming console	pcs.	1	50
68	Structural calculation program for construction and workstation	pcs.	1	86
69	Running the Snubbers 1 programme	pcs.	43	1,028
70	Running the Snubbers 2 programme	lot	1	9,759
71	CATHENA and NUCIRC computing codes	pcs.	1	3,177
72	Measuring devices for Simulator (CR#40961)	pcs.	1	8
73	UPSs for the Simulator (CR#40957)	pcs.	1	10
74	Network Attached Storage (NAS) for the Simulator (CR#36180).	pcs.	1	30
75	Electronic scales for product and waste weighing	pcs.	11	126
76	2.5 t hydraulic hand pallet truck for product handling	pcs.	6	24

Item no.	Nomination of purchases of goods and other investment costs	M.U.	IEB proposal	
			Quantity	Amount
0	1	2	3	4
77	Operational leasing of vans	pcs.	4	1,118
78	Acquisition of air conditioning equipment for Constanta Off-Site Emergency Control Center (CCUAA)	pcs.	4	258
79	Gamma Monitor	pcs.	2	1,124
80	Spectrometer with radiation field visualization option	pcs.	2	2,088
81	Portal monitors	pcs.	2	929
82	Services for the system monitoring the tritium in air	pcs.	1	234
83	PAD individual dosimetry system services	pcs.	1	875
84	Liquid scintillation analysis system for H-3 and C-14 low-background measurements	pcs.	1	1,100
85	Carriageable gas fire extinguishers	pcs.	190	842
86	Human Body Counter Measuring Equipment CR#36099	pcs.	1	986
87	Air bubble-sampling system for C-14 (CR-40848); Program data-sheet 24-LCM	pcs.	1	118
88	Cyber security equipment (MFA and ZTNA)	pcs.	-	79
89	Mobile phones	pcs.	-	48
90	Acquisition of UPSs for the Datacenter	pcs.	-	1,010
91	Modular office building communications equipment + EOSL equipment and Connector replacement	pcs.	-	190
92	Integrated videoconferencing system	pcs.	-	1,421
93	Backup - extension of the backup capabilities related to the backup solution in production	pcs.	-	845
94	HPE 3PAR 20800 Massive Storage Capacity Expansion	pcs.	-	1,733
95	Purchase of enclosure-compatible blade Synergy servers	pcs.	-	1,089
96	MS Surface tablets	pcs.	-	315
97	Acquisition of FortiMail equipment under a trade-up programme to ensure the email service protection	pcs.	-	31
98	Dedicated devices for advanced antivirus scanning of the external storage media used in SNN (OPSWAT)	pcs.	-	175
99	Acquisition of USB devices for antivirus scanning	pcs.	-	120
100	Software Management license of the computers of the NPP's network	pcs.	-	450
101	Microsoft licenses (stations & servers)	pcs.	-	822
102	Cybersecurity licenses (MFA and ZTNA)	pcs.	-	442
103	Subscription renewal for the Trend Micro security solutions	pcs.	-	324
104	Software packages requested by BCD	pcs.	-	273
105	Licenses for the integrated videoconferencing system	pcs.	-	44
106	Acquisition of equipment to extend the technical security system of Cernavoda's Gendarmerie quarters and Campus - 150 places	set	1	38
107	X-ray baggage scanners	pcs.	2	600
108	Provision of equipment to the Physical Protection and Nuclear Safety Training Centre	set	1	48
109	BARCO video wall system	set	1	2,485
110	Purchase of half-style turnstiles for access to ZR U1 and U2 with TLD	pcs.	2	18
111	Digitalized visitor management system in SNN and its Branches	set	1	750
112	Acquisition of an encryption software to secure communication with EURATOM	pcs.	1	6
	NFP Pitești Branch	pcs.		6,552
1	Branch shredder	pcs.	1	18
2	Cardboard waste bundling press	pcs.	1	27
3	Tubular pyrohydrolysis furnace equipped with controller and tubular working chamber	pcs.	1	45
4	Computing technique - personal computers	pcs.	50	200

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Item no.	Nomination of purchases of goods and other investment costs	M.U.	IEB proposal	
			Quantity	Amount
0	1	2	3	4
5	Notebook-type mobile computing equipment	pcs.	10	35
6	Multi-purpose printers	pcs.	2	5
7	Video surveillance system	pcs.	1	150
8	Radio equipment (digital)	pcs.	10	65
9	Fire Extinguishing System	pcs.	1	30
10	Roughness tester	pcs.	1	23
11	Set of a dish depth measuring device and adjustment element	pcs.	1	6
12	Set of a perpendicularity measuring device and adjustment element	pcs.	1	26
13	Lab scale	pcs.	3	68
14	Multi-purpose process calibrator	pcs.	1	22
15	Hand-foot-clothing monitor	pcs.	2	250
16	Digital micrometer head	pcs.	1	7
17	Profile Measuring Machine	pcs.	1	265
18	Viscosimeter	pcs.	1	30
19	Vibratory finishing system	pcs.	1	95
20	Measuring microscope	pcs.	1	250
21	3D measuring optical system	pcs.	1	225
22	Photographic equipment	pcs.	1	22
23	Stereozoom System	pcs.	1	60
24	Air conditioning appliances	pcs.	25	140
25	Pressure calibrator and high-pressure pneumatic pump	pcs.	1	43
26	FB handling device	pcs.	1	120
27	Column drilling machine	pcs.	1	20
28	Manual sheet-metal guillotine	pcs.	1	15
29	Abkant	pcs.	1	25
30	Plasma cutting machine	pcs.	1	35
31	Centrifugal installation	pcs.	1	660
32	Sample dryer	pcs.	1	6
33	Sampling dry-block temperature furnace	pcs.	1	62
34	Ultrasonic bath	pcs.	1	4
35	Professional leaf and waste vacuum cleaner	pcs.	1	25
36	Stationary circular saw	pcs.	1	17
37	Burglar and fire doors	pcs.	4	30
38	Tool kit	pcs.	1	4
39	Material storage container	pcs.	1	48
40	Domestic waste bin	pcs.	3	15
41	Gauges and control devices	pcs.	8	50
42	Detection and analysis appliance	pcs.	1	77
43	Addition welding installation	pcs.	1	820
44	Electric vehicle with cargo boom	pcs.	1	215
45	Semi-trailer	pcs.	1	400
46	Car	pcs.	1	97

thousand lei

Item no.	Nomination of purchases of goods and other investment costs	M.U.	IEB proposal	
			Quantity	Amount
0	1	2	3	4
47	Videoconference system	pcs.	1	60
48	Privileged accounts management solution	pcs.	1	83
49	Zero Trust Network Access (ZTNA) software solution	pcs.	1	152
50	Network electronic data loss prevention (DLP) solution	pcs.	1	59
51	Removable device scanning kiosk	pcs.	1	16
52	Digitalized visitor management system in SNN and its Branches (NPP and NFP)	pcs.	1	130
53	In-house developed plant, property and equipment	pcs.	15	250
54	Adobe Lightroom License	pcs.	1	2
55	Centerless finishing machine	pcs.	1	857
56	Be depositing plant	pcs.	1	60
57	OPSWAT antivirus software package	pcs.	1	35
	SNN Executive			904
1	Console server	pcs.	1	50
2	Increase the HP Server Storage Capacity	pcs.	32	200
3	Racks for Dataroom	pcs.	3	150
4	PC tablets with accessories	pcs.	10	104
5	Uninterruptible Power Supply (UPS) system	set	1	250
6	Utility software licenses needed for the daily activities in SNN Executive	set	1	150
	Grand Total			110,899

Chief Executive Officer
Cosmin Ghita

Chief Financial Officer
Dan Niculaie-Faranga