

**EXPLANATORY NOTES TO THE BALANCE SHEET
AND STATEMENT OF FINANCIAL POSITION
For 2019**

**Public Joint-Stock Company
“Federal Grid Company of Unified Energy System”**

Unit of measurement: thousand RUB

**1. Intangible assets and expenses for research and development, design and experimental, and technological works (R&D)
1.1. Availability and changes in intangible assets**

Indicator			As of the beginning of year		Changes for the period							As of the end of period	
Item	Code	Period	Initial/current market value	Accumulated depreciation	Received	Withdrawn		Accumulated depreciation	Impairment loss	Revaluation		Initial/current market value	Accumulated depreciation
						Initial/current market value	Accumulated depreciation			Initial/current market value	Depreciation		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Intangible assets - total	5100	for 2019	15 074 563	(11 333 273)	2 386 987	(92)	92	(1 470 052)	-	-	-	17 461 458	(12 803 233)
	5110	for 2018	12 826 299	(10 153 022)	2 248 264	-	-	(1 180 251)	-	-	-	15 074 563	(11 333 273)
including:													
by patent holder for invention, industrial prototype, useful model	5101	for 2019	367 450	(178 136)	4 034	-	-	(31 157)	-	-	-	371 484	(209 293)
	5111	for 2018	352 472	(147 143)	14 978	-	-	(30 993)	-	-	-	367 450	(178 136)
by possessor of right for computer programs, databases	5102	for 2019	10 285 646	(8 413 496)	575 752	(92)	92	(941 423)	-	-	-	10 861 306	(9 354 827)
	5112	for 2018	9 395 410	(7 687 481)	890 236	-	-	(726 015)	-	-	-	10 285 646	(8 413 496)
by owner for trademark and service mark, appellation of goods origin	5103	for 2019	89	(17)	-	-	-	(11)	-	-	-	89	(28)
	5113	for 2018	89	(6)	-	-	-	(11)	-	-	-	89	(17)
Other	5104	for 2019	4 421 378	(2 741 624)	1 807 201	-	-	(497 461)	-	-	-	6 228 579	(3 239 085)
	5114	for 2018	3 078 328	(2 318 392)	1 343 050	-	-	(423 232)	-	-	-	4 421 378	(2 741 624)

1.2 Acquisition cost of intangible assets created by the company itself

Indicator Description	Code	As of December 31, 2019	As of December 31, 2018	As of December 31, 2017
1	2	3	4	5
Total	5120	-	-	-

1.3. Totally redeemed intangible assets

Indicator Description	Code	As of December 31, 2019	As of December 31, 2018	As of December 31, 2017
1	2	3	4	5
Total	5130	9 868 404	7 724 103	6 355 191
including				
Other	5131	9 868 404	7 724 103	6 355 191

1.4. Availability and changes in R&D results

Indicator Description	Code	Period	As of the beginning of year		Changes for the period				As of the end of period	
			initial/current market value	part of cost expensed as incurred	Received	Disposed		Withdrawn	initial/current market value	part of cost expensed as incurred
						initial/current market value	part of cost expensed as incurred			
1	2	3	4	5	6	7	8	9	10	11
R&D - total	5140	for 2019	403 971	(397 193)	-	(403 021)	403 021	(5 828)	950	-
	5150	for 2018	403 971	(321 529)	-	-	-	(75 664)	403 971	(397 193)
including:										
Creation of the general information model of UES based on IEC standards	5141	for 2019	65 811	(62 520)	-	(65 811)	65 811	(3 291)	-	-
	5151	for 2018	65 811	(49 358)	-	-	-	(13 162)	65 811	(62 520)
AAS concept development	5142	for 2019	80 007	(80 007)	-	(80 007)	80 007	-	-	-
	5152	for 2018	80 007	(65 341)	-	-	-	(14 666)	80 007	(80 007)
UNEG of Russia modernization program for the period till 2020, with perspective till 2030	5143	for 2019	84 955	(84 955)	-	(84 955)	84 955	-	-	-
	5153	for 2018	84 955	(69 380)	-	-	-	(15 575)	84 955	(84 955)
Program of innovative development of FGC UES, JSC till 2020	5144	for 2019	60 819	(60 819)	-	(60 819)	60 819	-	-	-
	5154	for 2018	60 819	(49 670)	-	-	-	(11 149)	60 819	(60 819)
Other	5145	for 2019	112 379	(108 892)	-	(111 429)	111 429	(2 537)	950	-
	5155	for 2018	112 379	(87 780)	-	-	-	(21 112)	112 379	(108 892)

1.5. Unfinished R&D and unfinished transactions on intangible assets acquisition

Indicator Description	Code	Period	As of the beginning of year	Changes for the period			As of the end of period
				expenses for the period	expenses withdrawn as non-effective	accounted as intangible assets or R&D	
1	2	3	4	5	6	7	8
Expenses for unfinished R&D - total	5160	for 2019	2 931 273	720 578	(27 899)	(2 337 641)	1 286 311
	5170	for 2018	4 826 387	537 415	-	(2 432 529)	2 931 273
including:							
Development of technical requirements, design, manufacturing and testing of high-temperature superconductor of direct-current cable, including converters	5161	for 2019	-	-	-	-	-
	5171	for 2018	911 625	-	-	(911 625)	-
Setting-up a smart network within UPS East (Vostok)	5162	for 2019	46 822	5 408	-	(52 230)	-
	5172	for 2018	236 736	-	-	(189 914)	46 822
Sample short-circuit current limitation system	5163	for 2019	-	173 514	-	(154 224)	19 290
	5173	for 2018	-	-	-	-	-
Other	5164	for 2019	2 884 451	541 656	(27 899)	(2 131 187)	1 267 021
	5174	for 2018	3 678 026	537 415	-	(1 330 990)	2 884 451
Unfinished operations on intangible assets acquisition - total	5180	for 2019	1 135 195	1 446 167	(138 579)	(563 592)	1 879 191
	5190	for 2018	766 055	1 280 198	(67 803)	(843 255)	1 135 195
including:							
Schemes of territorial planning of the Russian Federation in the field of power production	5181	for 2019	-	-	-	-	-
	5191	for 2018	119 944	4 969	-	(124 913)	-
Automated control system for maintenance planning and technical state assessment	5182	for 2019	131 090	43 219	-	(174 309)	-
	5192	for 2018	-	131 090	-	-	131 090
Creation of OSNBS of electrical grid facilities	5183	for 2019	55 475	-	-	-	55 475
	5193	for 2018	55 475	-	-	-	55 475
Development of integrated data systems for finance and economy block control	5184	for 2019	127 707	178 563	-	-	306 270
	5194	for 2018	-	127 707	-	-	127 707
Specialized Software of the Automated Information and Measurement System of Commercial Electricity Metering of the Unified National Electric Grid	5185	for 2019	133 990	-	-	-	133 990
	5195	for 2018	133 990	-	-	-	133 990
CICS transformation in terms of production and economic activity	5186	for 2019	127 390	147 530	-	-	274 920
	5196	for 2018	-	127 390	-	-	127 390
Other	5187	for 2019	559 543	1 076 855	(138 579)	(389 283)	1 108 536
	5197	for 2018	456 646	889 042	(67 803)	(718 342)	559 543

2. Fixed assets
2.1. Availability and changes in fixed assets

Indicator Description	Code	Period	As of the beginning of year		Changes for the period						As of the end of period		
			initial cost	accumulated depreciation	received		objects disposed			revaluation		initial cost	accumulated depreciation
					initial cost	accumulated depreciation	initial cost	accumulated depreciation	accumulated depreciation	initial cost	accumulated depreciation		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Fixed assets (excluding income-bearing investments in tangible assets) - total	5200	for 2019	1 903 952 709	(949 633 036)	114 521 623	(51 726)	(39 095 022)	16 322 150	(77 190 439)	47 154 192	(24 260 666)	2 026 533 502	(1 034 813 717)
	5210	for 2018	1 736 463 226	(858 135 153)	138 022 152	(91 601)	(2 211 251)	1 709 226	(77 468 469)	31 678 582	(15 647 039)	1 903 952 709	(949 633 036)
including:													
Buildings	5201	for 2019	109 111 603	(31 833 719)	7 075 839	(7 936)	(3 457 286)	1 014 177	(3 603 958)	2 863 133	(905 584)	115 593 289	(35 337 020)
	5211	for 2018	101 072 003	(27 729 196)	5 840 739	-	(90 473)	58 993	(3 500 576)	2 289 334	(662 940)	109 111 603	(31 833 719)
Constructions and transfer mechanisms	5202	for 2019	1 074 543 204	(535 891 648)	68 889 349	(2 631)	(22 918 699)	6 649 993	(34 240 584)	13 712 388	(6 448 955)	1 134 226 242	(569 933 825)
	5212	for 2018	989 720 286	(497 114 131)	75 658 913	(8 118)	(510 131)	256 011	(34 782 131)	9 674 136	(4 243 279)	1 074 543 204	(535 891 648)
Machinery and equipment	5203	for 2019	704 437 952	(371 323 146)	36 740 127	(40 274)	(12 368 903)	8 374 158	(38 314 538)	30 576 458	(16 905 499)	759 385 634	(418 209 299)
	5213	for 2018	631 039 587	(323 587 172)	54 978 821	(23 081)	(1 294 696)	1 113 733	(38 086 148)	19 714 240	(10 740 478)	704 437 952	(371 323 146)
Transport vehicles	5204	for 2019	8 934 524	(7 156 861)	922 512	(202)	(217 123)	163 460	(563 123)	-	-	9 639 913	(7 556 726)
	5214	for 2018	8 444 898	(6 690 248)	702 087	(4 294)	(212 461)	209 720	(672 039)	-	-	8 934 524	(7 156 861)
Production and household stock	5205	for 2019	4 038 284	(2 919 022)	850 970	(683)	(96 702)	86 857	(402 589)	197	(32)	4 792 749	(3 235 469)
	5215	for 2018	3 563 605	(2 578 293)	524 480	(55 777)	(49 899)	48 612	(333 554)	98	(10)	4 038 284	(2 919 022)
Other types of fixed assets	5206	for 2019	528 984	(385 810)	18 060	-	(36 286)	33 505	(29 603)	2 016	(596)	512 774	(382 504)
	5216	for 2018	525 482	(384 527)	46 526	(331)	(43 798)	22 157	(22 777)	774	(332)	528 984	(385 810)
Land plots and natural resources sites	5207	for 2019	1 744 010	-	83	-	(23)	-	-	-	-	1 744 070	-
	5217	for 2018	1 753 458	-	345	-	(9 793)	-	-	-	-	1 744 010	-
Fixed assets obtained under leasing agreement	5220	for 2019	614 148	(122 830)	24 683	-	-	-	(36 044)	-	-	638 831	(158 874)
	5230	for 2018	343 907	(51 586)	270 241	-	-	-	(71 244)	-	-	614 148	(122 830)

2.2. Incomplete capital investments

Indicator name	Code	Period	As of the beginning of year	Changes for the period			As of the end of period
				expenses for the period	withdrawn	accounted as fixed assets or the value is increased	
1	2	3	4	5	6	7	8
Incomplete capital investments, total	5250	for 2019	224 952 427	154 521 723	(23 811 057)	(114 276 115)	241 386 978
	5240	for 2018	258 496 995	122 990 480	(18 794 011)	(137 741 037)	224 952 427
including:							
Construction in progress	5251	for 2019	180 553 477	97 805 859	(2 068 747)	(75 137 294)	201 153 295
	5241	for 2018	220 410 704	96 999 688	(2 066 354)	(134 790 561)	180 553 477
acquisition of fixed asset items	5252	for 2019	781 423	39 970 092	(21 409)	(39 138 821)	1 591 285
	5242	for 2018	423 207	3 310 219	(2 738)	(2 949 265)	781 423
DEW non-completed	5253	for 2019	5 891 106	1 466 770	(1 612 771)	-	5 745 105
	5243	for 2018	4 202 996	2 785 453	(1 097 343)	-	5 891 106
equipment for installation	5251	for 2019	37 726 421	15 279 002	(20 108 130)	-	32 897 293
	5244	for 2018	33 460 088	19 895 120	(15 627 576)	(1 211)	37 726 421

2.3. Change in the cost of fixed assets as a consequence of further construction, further equipment, reconstruction and partial liquidation

Indicator Description	Code	for 2019	for 2018
1	2	3	4
Increase in the cost of fixed assets as a consequence of further construction, further equipment, reconstruction - total	5260	11 779 043	19 315 573
including:			
Buildings	5261	1 865 602	994 312
Constructions and transfer mechanisms	5262	6 153 231	14 207 950
Machinery and equipment	5263	3 739 497	4 103 288
Transport vehicles	5264	4 196	3 247
Production and household stock	5265	2 462	415
Other	5266	14 055	6 361
Decrease in the cost of fixed assets as a consequence of partial liquidation - total:	5270	(35 187)	(125 553)
including:			
Buildings	5271	-	(519)
Constructions and transfer mechanisms	5272	(35 179)	(116 846)
Machinery and equipment	5273	(8)	(8 188)
Transport vehicles	5274	-	-
Production and household stock	5275	-	-

2.4. Other use of fixed assets

Indicator Description	Code	As of December 31, 2019	As of December 31, 2018	As of December 31, 2017
1	2	3	4	5
Rented fixed assets on the balance sheet	5280	5 419 518	9 416 044	8 093 607
Rented fixed assets out of the balance sheet	5281	-	27 532	6 205
Leased fixed assets on the balance sheet	5282	19 346	491 319	292 321
Leased fixed assets out of the balance sheet	5283	70 714 394	75 482 819	37 501 887
Real assets accepted into operation and actually used, being in the process of state registration	5284	199 169 424	205 334 826	150 440 214
Isolated fixed assets	5285	107 522	174 445	102 835
Other use of fixed assets (pledge, etc.)	5286	136 921	141 501	144 307

3. Financial investments
3.1. Availability and changes in financial investments

Indicator Description	Code	Period	As of the beginning of year		Changes for the period							As of the end of period		
			initial cost	accumulated correction	Received		Disposed (repaid)		accrual of interest (including	current market value (impairment)	transfer from long-term		initial cost	accumulated correction
					initial cost	accumulated correction	initial cost	accumulated correction			initial cost	accumulated correction		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Long-term - total	5301	for 2019	84 887 262	(27 184 329)	74 062	-	(2 801 137)	960	-	10 362 337	699 759	-	82 859 946	(16 821 032)
	5321	for 2018	124 536 163	(40 471 256)	631 394	-	(40 280 295)	188 140	-	13 098 787	-	-	84 887 262	(27 184 329)
including:														
Investment into authorized capitals of other companies	5302	for 2019	56 527 351	(18 462 766)	-	-	(2 791 337)	960	-	10 352 537	-	-	53 736 014	(8 109 269)
	5322	for 2018	96 807 646	(30 269 019)	-	-	(40 280 295)	188 140	-	11 618 113	-	-	56 527 351	(18 462 766)
Investment into authorized capitals of subsidiaries and affiliates	5303	for 2019	28 232 793	(8 721 563)	74 062	-	(9 800)	-	-	9 800	-	-	28 297 055	(8 711 763)
	5323	for 2018	27 728 517	(10 202 237)	504 276	-	-	-	-	1 480 674	-	-	28 232 793	(8 721 563)
Securities (promissory notes)	5304	for 2019	-	-	-	-	-	-	-	-	-	-	-	-
	5324	for 2018	-	-	-	-	-	-	-	-	-	-	-	-
Loans extended	5305	for 2019	127 118	-	-	-	-	-	-	-	699 759	-	826 877	-
	5325	for 2018	-	-	127 118	-	-	-	-	-	-	-	127 118	-
Deposits	5306	for 2019	-	-	-	-	-	-	-	-	-	-	-	-
	5326	for 2018	-	-	-	-	-	-	-	-	-	-	-	-
Other	5307	for 2019	-	-	-	-	-	-	-	-	-	-	-	-
	5327	for 2018	-	-	-	-	-	-	-	-	-	-	-	-
Short-term - total	5308	for 2019	6 578 091	-	27 820 933	-	(7 964 060)	-	-	-	(699 759)	-	25 735 205	-
	5328	for 2018	2 051 190	-	17 014 749	-	(12 487 848)	-	-	-	-	-	6 578 091	-
including:														
Investment into authorized capitals of other companies	5309	for 2019	-	-	-	-	-	-	-	-	-	-	-	-
	5329	for 2018	-	-	-	-	-	-	-	-	-	-	-	-
Investment into authorized capitals of subsidiaries and affiliates	5310	for 2019	-	-	-	-	-	-	-	-	-	-	-	-
	5330	for 2018	-	-	-	-	-	-	-	-	-	-	-	-
Securities (promissory notes)	5311	for 2019	-	-	-	-	-	-	-	-	-	-	-	-
	5331	for 2018	-	-	-	-	-	-	-	-	-	-	-	-
Loans extended	5312	for 2019	2 883 261	-	3 095 521	-	(4 269 230)	-	-	-	(699 759)	-	1 009 793	-
	5332	for 2018	2 042 470	-	13 319 919	-	(12 479 128)	-	-	-	-	-	2 883 261	-
Deposits	5313	for 2019	3 694 830	-	24 725 412	-	(3 694 830)	-	-	-	-	-	24 725 412	-
	5333	for 2018	-	-	3 694 830	-	-	-	-	-	-	-	3 694 830	-
Other	5314	for 2019	-	-	-	-	-	-	-	-	-	-	-	-
	5334	for 2018	8 720	-	-	-	(8 720)	-	-	-	-	-	-	-
Financial investments - total	5300	for 2019	91 465 353	(27 184 329)	27 894 995	-	(10 765 197)	960	-	10 362 337	-	-	108 595 151	(16 821 032)
	5320	for 2018	126 587 353	(40 471 256)	17 646 143	-	(52 768 143)	188 140	-	13 098 787	-	-	91 465 353	(27 184 329)

Indicator Description	Code	As of December 31, 2019	As of December 31, 2018	As of December 31, 2017
1	2	3	4	5
Financial investments received as pledge - total	53200	-	-	-
Financial investments transferred to third parties (except sale) - total	53205	-	-	-
Other use of financial investments	53209	-	-	-

4. Inventory
4.1. Availability and changes in inventories

Indicator Description	Code	Period	As of the beginning of year		revenues and expenditures	Changes for the period				As of the end of period	
			production cost	cost reduction reserve amount		Disposed (repaid)		loss from deterioration in value	inventory turnover between their	production cost	cost reduction reserve amount
						production cost	provision for deterioration in value				
1	2	3	4	5	6	7	8	9	10	11	12
Inventories - total	5400	for 2019	10 937 851	-	4 213 423	(3 474 617)	-	-	-	11 676 657	-
	5420	for 2018	9 749 040	-	4 658 711	(3 469 900)	-	-	-	10 937 851	-
Raw materials, materials and other valuables	5401	for 2019	10 937 851	-	4 212 358	(3 474 617)	-	-	-	11 675 592	-
	5421	for 2018	9 749 040	-	4 658 711	(3 469 900)	-	-	-	10 937 851	-
WIP on core services to third parties	5402	for 2019	-	-	1 065	-	-	-	-	1 065	-
	5422	for 2018	-	-	-	-	-	-	-	-	-

4.2. Pledged inventory

Indicator Description	Code	As of December 31, 2019	As of December 31, 2018	As of December 31, 2017
1	2	3	4	5
Inventory not paid as of the reporting date - total	5440	-	-	-
Inventory pledged under contracts - total	5445	-	-	-

5. Receivables and payables
5.1 Availability and changes in accounts receivable

Indicator Description	Code	Period	As of the beginning of year		Changes for the period							As of the end of period	
			by contract terms	bad debt provision	received		disposals			writing off at the expense of provision funds	transfer from long-term to short-term debt	by contract terms	bad debt provision
					as a result of business activities (transaction debt)	interest, fines and other accruals due	repayment	writing-off to financial result	allowance recovery				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
Long-term accounts receivable - total	5501	for 2019	92 625 152	(109 974)	1 646 005	-	(6 065 073)	-	52 720	-	(2 671 821)	85 534 263	(57 254)
	5521	for 2018	78 264 585	(381 720)	15 339 394	134 165	(1 112 983)	-	271 737	(9)	14 070 710	92 625 152	(109 974)
including:													
customers and consumers	5502	for 2019	90 736 434	(52 720)	2 574	-	(4 912 558)	-	52 720	-	(2 487 610)	83 338 840	-
	5522	for 2018	76 671 024	(277 623)	14 314 743	-	(249 333)	-	224 903	-	14 080 266	90 736 434	(52 720)
advance payments made	5503	for 2019	-	-	-	-	-	-	-	-	-	-	-
	5523	for 2018	-	-	-	-	-	-	-	-	-	-	-
other debtors	5504	for 2019	1 888 718	(57 254)	1 643 431	-	(1 152 515)	-	-	-	(184 211)	2 195 423	(57 254)
	5524	for 2018	1 593 561	(104 097)	1 024 651	134 165	(863 650)	-	46 834	(9)	(9 556)	1 888 718	(57 254)
Short-term accounts receivable - total	5510	for 2019	141 423 242	(64 082 445)	412 581 940	12 242 576	(458 479 522)	(11 590)	133 126	(854 545)	2 671 821	109 573 922	(63 094 774)
	5530	for 2018	108 077 163	(57 580 953)	390 043 479	9 525 072	(365 233 255)	(88 323)	(7 402 386)	(900 894)	(14 070 710)	141 423 242	(64 082 445)
including:													
customers and consumers	5511	for 2019	41 693 328	(10 460 708)	328 869 497	-	(329 728 236)	(10 389)	1 387 788	(808 320)	2 534 255	42 550 135	(8 264 600)
	5531	for 2018	42 188 406	(5 800 158)	291 197 416	-	(291 432 778)	(78 298)	(4 763 670)	(103 120)	(14 107 896)	41 693 328	(10 460 708)
amounts owed by members (founders) as payments to the authorized capital	5512	for 2019	-	-	-	-	-	-	-	-	-	-	-
	5532	for 2018	-	-	-	-	-	-	-	-	-	-	-
advance payments made	5513	for 2019	1 665 804	(21 339)	6 565 351	-	(7 590 915)	(7)	(3 972)	(1 493)	-	638 740	(23 818)
	5533	for 2018	1 113 432	(842 878)	7 222 430	-	(6 669 897)	-	821 378	(161)	-	1 665 804	(21 339)
other debtors	5514	for 2019	98 064 110	(53 600 398)	77 147 092	12 242 576	(121 160 371)	(1 194)	(1 250 690)	(44 732)	137 566	66 385 047	(54 806 356)
	5534	for 2018	64 775 325	(50 937 917)	91 701 931	9 525 072	(67 130 580)	(10 025)	(3 460 094)	(797 613)	37 186	98 064 110	(53 600 398)
Advance payments under non-current assets (balance line 1173)	5515	for 2019	25 287 805	(3 455 192)	21 657 555	-	(19 550 647)	(17)	359 353	(254 669)	-	27 140 027	(2 841 170)
	5535	for 2018	27 845 850	(6 580 182)	37 867 095	-	(40 219 197)	(2 760)	2 921 807	(203 183)	-	25 287 805	(3 455 192)
Total	5500	for 2019	259 336 199	(67 647 611)	435 885 500	12 242 576	(484 095 242)	(11 607)	545 199	(1 109 214)	-	222 248 212	(65 993 198)
	5520	for 2018	214 187 598	(64 542 855)	443 249 968	9 659 237	(406 565 435)	(91 083)	(4 208 842)	(1 104 086)	-	259 336 199	(67 647 611)

5.2 Overdue accounts receivable

Indicator Description	Code	As of December 31, 2019		As of December 31, 2018		As of December 31, 2017	
		by contract terms	balance value (less provision for doubtful debts)	by contract terms	balance value (less provision for doubtful debts)	by contract terms	balance value (less provision for doubtful debts)
1	2	3	4	5	6	7	8
Total	5540	27 695 426	8 176 528	25 859 867	4 324 736	26 806 306	9 232 714
including:							
Customers and consumers	5541	15 462 914	7 198 316	13 453 510	2 992 811	14 118 815	8 326 366
Advance payments made	5542	2 435	574	19 764	18 124	3 604	1 598
Other debtors	5543	8 783 656	343 148	7 835 385	177 969	5 407 428	15 555
Advances against noncurrent assets (balance line 1173)	5544	3 446 421	634 490	4 551 208	1 135 832	7 276 459	889 195

5.3 Availability and changes in accounts payable

Indicator Description	Code	Period	As of the beginning of year	Changes for the period					As of the end of period
				received		disposals		transfer from long-term to short-term debt	
				as a result of business activities (transaction debt)	interest, fines and other accruals due	repayment	writing-off to financial result		
1	2	3	4	5	6	7	8	9	10
Long-term accounts payable - total	5551	for 2019	17 708 107	11 466 939	-	(6 368 998)	(447)	4 712 811	27 518 412
	5571	for 2018	17 242 803	689 660	-	(2 361 885)	(1 628)	2 139 157	17 708 107
Short-term accounts payable - total	5560	for 2019	68 223 409	485 259 089	763 536	(485 126 210)	(102 022)	(4 712 811)	64 304 991
	5580	for 2018	54 484 828	678 340 562	645 715	(662 996 259)	(112 280)	(2 139 157)	68 223 409
including:									
suppliers and contractors	5561	for 2019	39 300 899	144 396 137	2 254	(146 388 298)	(94 535)	(4 923 281)	32 293 176
	5581	for 2018	30 383 436	314 432 442	1 207	(305 146 441)	(111 119)	(258 626)	39 300 899
Amounts owed to the company staff	5562	for 2019	18 516	22 557 199	-	(22 556 677)	-	-	19 038
	5582	for 2018	19 407	50 682 002	-	(50 682 893)	-	-	18 516
Amounts owed to state non-budget funds	5563	for 2019	660 238	6 170 649	-	(6 236 185)	-	-	594 702
	5583	for 2018	533 822	14 997 842	-	(14 871 426)	-	-	660 238
Taxes and fees payables	5564	for 2019	11 041 882	96 732 141	30 072	(100 854 015)	-	-	6 950 080
	5584	for 2018	7 278 959	128 745 523	30 060	(125 012 660)	-	-	11 041 882
Advances received	5565	for 2019	13 208 422	112 631 491	-	(117 113 104)	(315)	206 640	8 933 134
	5585	for 2018	12 501 008	104 000 710	-	(101 410 472)	(683)	(1 882 141)	13 208 422
Other creditors	5566	for 2019	3 778 992	71 060 010	731 210	(71 546 242)	(7 172)	3 830	4 020 628
	5586	for 2018	3 621 211	46 595 868	614 448	(47 053 667)	(478)	1 610	3 778 992
Payables to members (founders)	5567	for 2019	214 460	31 711 462	-	(20 431 689)	-	-	11 494 233
	5587	for 2018	146 985	18 886 175	-	(18 818 700)	-	-	214 460
Total	5550	for 2019	85 931 516	496 726 028	763 536	(491 495 208)	(102 469)	-	91 823 403
	5570	for 2018	71 727 631	679 030 222	645 715	(665 358 144)	(113 908)	-	85 931 516

5.4 Overdue accounts payable

Indicator Description	Code	As of December 31, 2019	As of December 31, 2018	As of December 31, 2017
1	2	3	4	5
Short-term accounts payable	5590	3 661 511	3 220 769	827 624
including:				
Suppliers and contractors	5591	3 524 563	3 135 417	819 988
Advances received	5592	6 735	61 907	-
Other creditors	5593	130 213	23 445	7 636

6. Production costs

Indicator Description	Code	for 2019	for 2018
1	2	3	4
Material expenses	5610	49 123 558	48 751 402
Labor costs	5620	21 376 124	20 293 050
Fringe benefit expenses	5630	5 962 742	5 673 112
Depreciation	5640	78 658 564	78 624 469
Other expenses	5650	28 280 657	25 973 996
Total by cost category	5660	183 401 645	179 316 029
Change in balance (growth [-], loss [+]):		(1 065)	
work in progress, finished goods, etc. (growth [-])	5670	(1 065)	
work in progress, finished goods, etc. (loss [+])	5680		
Total costs for common activities	5600	183 400 580	179 316 029

7. Estimated liabilities

Indicator Description	Code	Period	As of the beginning of year	Accrued	Use	Restored	As of the end of period
1	2	3	4	5	6	7	8
Estimated liabilities	5700	for 2019	2 557 308	4 725 212	(3 986 705)	(24 417)	3 271 398
		for 2018	2 516 769	4 056 128	(3 993 610)	(21 979)	2 557 308
including:							-
Estimated liability related to unutilized vacation	5701	for 2019	962 976	2 730 308	(2 541 809)	-	1 151 475
		for 2018	867 969	2 773 502	(2 678 495)	-	962 976
Estimated liability related to prior period payments	5702	for 2019	1 069 157	1 138 277	(1 043 526)	(24 410)	1 139 498
		for 2018	1 048 708	1 069 157	(1 026 729)	(21 979)	1 069 157
Estimated liability related to non-state pension fund	5703	for 2019	-	-	-	-	-
		for 2018	38 351	-	(38 351)	-	-
Estimated liability related to payments to management and control bodies	5704	for 2019	3 481	2 977	(3 481)	-	2 977
		for 2018	870	3 481	(870)	-	3 481
Estimated liability related to payments to Audit Committee members	5705	for 2019	705	438	(698)	(7)	438
		for 2018	-	705	-	-	705
Estimated liability according to contract terms	5706	for 2019	311 706	-	(311 706)	-	-
		for 2018	558 840	-	(247 134)	-	311 706
Estimated liability related to litigations (penalties, fines, liquidated damages)	5707	for 2019	209 283	495 869	(85 485)	-	619 667
		for 2018	-	209 283	-	-	209 283
Estimated liability related to future expenses and payments	5708	for 2019	-	357 343	-	-	357 343
		for 2018	2 031	-	(2 031)	-	-

8. Securing Liabilities

Indicator Description	Code	As of December 31, 2019	As of December 31, 2018	As of December 31, 2017
1	2	3	4	5
Received - total	5800	69 870 019	71 025 953	68 805 025
including:				
Bank guarantees	5801	69 252 362	70 356 607	65 689 412
Surety agreements	5802	8 054	7 074	2 400 832
Property pledge contract	5803	522 991	599 618	651 346
Other	5804	86 612	62 654	63 435
Issued under own obligations - total	5810	1 190 071	1 094 844	2 580 588
including:				
Surety	5811	1 190 071	1 094 844	2 580 588

9. Government aid

Indicator Description	Code	For 2019	For 2018
1	2	3	4
Budget funds received – total	5900	-	-
including:			
investments into non-current assets	5901	-	-

Chief Executive _____ A.E. Murov
[signature] [print name]

Chief Accountant _____ A.P. Noskov
[signature] [print name]

February 20, 2020