# **List of TOP Priority Needs for Ukrainian Power System**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type of need** | **Type of need** | **Unit of measurement** | **Quantity** | **Priority-1** | **Priority-2** |
| Motor transport and special equipment | Car towers (car lifts with cradle) | piece | 109 | 0 | 0 |
|  | Truck cranes | piece | 79 | 0 | 0 |
|  | Brigade cargo-passenger cars | piece | 325 | 1 | 0 |
|  | Cars for the transportation of reinforced concrete pillars (carriers) | piece | 9 | 0 | 0 |
|  | Cars with a manipulator | piece | 30 | 1 | 0 |
|  | Dump trucks | piece | 46 | 0 | 0 |
|  | Trucks | piece | 28 | 0 | 0 |
|  | Truck loaders | piece | 25 | 0 | 0 |
|  | Car lifts | piece | 60 | 0 | 0 |
|  | Road transport (other) | piece | 1322 | 1 | 4 |
|  | Drilling and crane machines | piece | 27 | 0 | 0 |
|  | Excavators | piece | 93 | 0 | 0 |
|  | Electrotechnical laboratories | piece | 59 | 1 | 1 |
|  | Car trailers | piece | 52 | 0 | 0 |
|  | Special equipment (other) | piece | 161 | 0 | 0 |
|  | Tractors | piece | 44 | 0 | 0 |
| **Motor transport and special equipment Summary** |  |  | **2 469,00** | **4,00** | **5,00** |
| Armature | The valve is closed | piece | 17867 | 50 | 0 |
|  | The fittings are different | t | 0,4 | 0 | 0 |
|  |  | piece | 11544 | 0 | 36 |
|  | The armature is linear | t | 8,34 | 0 | 0 |
|  |  | piece | 121841 | 0 | 0 |
|  | Oil and gas fittings | piece | 1317 | 30 | 0 |
|  | SIP fittings | km | 18,02 | 0 | 0 |
|  |  | piece | 369925 | 0 | 0 |
|  | Electric connecting and tensioning clamps (linear and hardware) | piece | 84806 | 0 | 0 |
|  | Couplings | piece | 24896 | 700 | 0 |
|  | Aluminum tips | piece | 11863 | 0 | 0 |
|  | Tips are copper | piece | 1362 | 0 | 0 |
|  | traverses | piece | 7056 | 0 | 0 |
| **Armature Summary** |  |  | **652 503,76** | **780,00** | **36,00** |
| Switches | Switch inputs | piece | 84 | 0 | 0 |
|  | Switches are automatic | piece | 40368 | 0 | 0 |
|  | Vacuum switches | piece | 1158 | 35 | 4 |
|  | Electric gas switches | set | 310 | 4 | 0 |
|  | Oil switches | piece | 4 | 0 | 0 |
|  | Air switches | piece | 9 | 0 | 0 |
|  | Other equipment for switches | set | 39 | 0 | 0 |
|  |  | piece | 2 | 0 | 0 |
|  | Arc extinguishing cameras | piece | 23 | 0 | 0 |
|  | Switches | piece | 20 | 0 | 0 |
|  | Reclosers | piece | 89 | 0 | 0 |
|  | Disconnectors | set | 103 | 0 | 0 |
|  |  | piece | 1430 | 50 | 0 |
|  | Breakers | piece | 2416 | 0 | 0 |
| **Switches Summary** |  |  | **46 055,00** | **89,00** | **4,00** |
| Engines | Engines (other) | piece | 17 | 0 | 0 |
|  | Electric motors < 10 kW | piece | 57 | 0 | 0 |
|  | Electric motors > 110 kW | piece | 76 | 0 | 0 |
|  | Electric motors 11-110 kW | piece | 17 | 0 | 0 |
| **Engines Summary** |  |  | **167,00** | **0,00** | **0,00** |
| Power sources | Accumulator batteries | set | 102 | 0 | 0 |
|  |  | piece | 3853 | 1 | 0 |
|  | Uninterruptible power supplies | piece | 701 | 0 | 0 |
|  | Power sources are different | piece | 3 | 0 | 0 |
|  | Chargers | piece | 911 | 1 | 0 |
| **Power sources Summary** |  |  | **5 570,00** | **2,00** | **0,00** |
| Power plants (generators) and equipment | <10 kW | piece | 730 | 1 | 2 |
|  | >2000 kW | piece | 27 | 0 | 0 |
|  | 1000-1500 kW | piece | 25 | 0 | 0 |
|  | 100-300 kW | piece | 354 | 1 | 18 |
|  | 10-30 kW | piece | 307 | 5 | 0 |
|  | 1500-2000 kW | piece | 27 | 0 | 0 |
|  | 300-500 kW | piece | 55 | 0 | 0 |
|  | 30-100 kW | piece | 297 | 0 | 0 |
|  | 500-700 kW | piece | 27 | 0 | 0 |
|  | 700-1000 kW | piece | 16 | 0 | 0 |
|  | Generators (spare parts, service, repair kits, other) | set | 4 | 0 | 0 |
| **Power plants (generators) and equipment Summary** |  |  | **1 869,00** | **7,00** | **20,00** |
| Electric fuses and accessories | Electric fuses and accessories | set | 30 | 0 | 0 |
|  |  | piece | 14742 | 0 | 0 |
| **Electric fuses and accessories Summary** |  |  | **14 772,00** | **0,00** | **0,00** |
| Means and equipment | Electrical household equipment | piece | 3 | 0 | 0 |
|  | Spare parts | set | 106 | 0 | 0 |
|  |  | piece | 8664 | 0 | 0 |
|  | Personal protective equipment | set | 11656 | 0 | 0 |
|  |  | piece | 233180 | 2 | 12 |
|  | Means of climate control | piece | 300 | 0 | 3 |
|  | Means of collective protection | set | 4 | 0 | 0 |
|  | Fire extinguishing means | piece | 7587 | 0 | 0 |
|  | Means of video surveillance systems | piece | 6 | 0 | 0 |
|  | Inverters | piece | 73 | 0 | 0 |
|  | Other tools and equipment | km | 226,45 | 0 | 0 |
|  |  | set | 7 | 0 | 0 |
|  |  | t | 0,5 | 0 | 0 |
|  |  | piece | 142687 | 0 | 2 |
|  | Boiler equipment | piece | 89 | 0 | 0 |
|  | Metal detectors | piece | 237 | 2 | 0 |
|  | Equipment for extraction of hydrocarbon products | piece | 16 | 0 | 0 |
|  | Equipment for gas networks | set | 4 | 3 | 0 |
|  |  | piece | 3466 | 5 | 6 |
|  | Equipment for the processing of hydrocarbon products | piece | 5 | 0 | 0 |
|  | Equipment for solar power plants | set | 2 | 0 | 0 |
|  |  | piece | 13284 | 0 | 0 |
|  | Lighting devices | set | 3 | 0 | 0 |
|  |  | piece | 70399 | 4 | 6 |
|  | Electromagnetic starters | piece | 24 | 0 | 0 |
|  | Gas pressure regulator | piece | 3138 | 0 | 0 |
|  | Gas tracers | piece | 539 | 2 | 0 |
| **Means and equipment Summary** |  |  | **495 705,95** | **18,00** | **29,00** |
| Means of telecommunication and telemechanics | Fiber optic cables | km | 55,94 | 0 | 0 |
|  |  | piece | 261 | 0 | 0 |
|  | Means of voice radio communication | piece | 4361 | 1 | 2 |
|  | Means of cellular communication | piece | 296 | 2 | 0 |
|  | Means of satellite communication | piece | 268 | 1 | 0 |
|  | Means of telecommunication and telemechanics | piece | 6 | 0 | 0 |
|  | Other means of communication | piece | 92 | 0 | 0 |
|  | Communication capacitors | piece | 10 | 0 | 0 |
|  | Telemechanics controllers | piece | 64 | 0 | 0 |
|  | SPC modules | piece | 50 | 0 | 0 |
|  | Equipment for fiber-optic communication lines | piece | 2040 | 0 | 0 |
|  | Frequency converters | piece | 1 | 0 | 0 |
|  | Software for radio communication | piece | 25 | 0 | 0 |
| **Means of telecommunication and telemechanics Summary** |  |  | **7 529,94** | **4,00** | **2,00** |
| Insulators | Insulators | piece | 83799 | 0 | 0 |
|  | Suspended insulators | piece | 30478 | 0 | 0 |
| **Insulators Summary** |  |  | **114 277,00** | **0,00** | **0,00** |
| Tools and inventory | Machine tools | piece | 9 | 0 | 0 |
|  | Tools for metal welding | piece | 1752 | 7 | 12 |
|  | Hydraulic tools | piece | 5 | 0 | 0 |
|  | Electric tools | piece | 5014 | 3 | 6 |
|  | Mechanical tools | piece | 4854 | 2 | 0 |
|  | Other tools and equipment | set | 19 | 0 | 0 |
|  |  | t | 0,2 | 0 | 0 |
|  |  | piece | 2110 | 0 | 1 |
| **Tools and inventory Summary** |  |  | **13 763,20** | **12,00** | **19,00** |
| Other | Supplies | set | 2562 | 0 | 0 |
|  |  | m sq. | 500 | 0 | 0 |
|  |  | cubic m | 10 | 0 | 0 |
|  |  | t | 7 | 0 | 0 |
|  |  | pack | 2151 | 0 | 0 |
|  |  | flak | 996 | 0 | 0 |
|  |  | piece | 21555 | 14 | 0 |
|  | Other | km | 0,07 | 0 | 0 |
|  |  | t | 15 | 0 | 0 |
|  |  | piece | 1577 | 0 | 0 |
| **Other Summary** |  |  | **29 373,07** | **14,00** | **0,00** |
| Cable products | Other cable products | km | 24,96 | 0 | 0 |
|  |  | t | 1 | 0 | 0 |
|  |  | piece | 195 | 0 | 0 |
|  | Connecting cable | km | 60,45 | 0 | 0 |
|  |  | t | 15 | 0 | 0 |
|  | Control cable | km | 179,39 | 0 | 0 |
|  | Power cable < 0.4 kV | km | 3,43 | 0 | 0 |
|  | Power cable > 110 kV | km | 22,15 | 0 | 0 |
|  | Power cable 0.4-1 kV | km | 244,28 | 0 | 0 |
|  | Power cable 6-35 kV | km | 329,32 | 1,5 | 0 |
|  | The wire is insulated | km | 77,73 | 0 | 0 |
|  | The wire is not insulated | km | 528,07 | 0 | 0 |
|  |  | t | 1043,67 | 10 | 6 |
|  | Self-supporting insulated wire (SIP) | km | 2757 | 0 | 5 |
| **Cable products Summary** |  |  | **5 481,45** | **11,50** | **11,00** |
| Computer equipment and office equipment | Other computer equipment | piece | 260 | 0 | 0 |
|  | Quadcopters | piece | 64 | 0 | 0 |
|  | Computers and laptops | piece | 371 | 0 | 0 |
|  | Components for computer equipment | piece | 307 | 0 | 0 |
|  | Network equipment | piece | 1217 | 0 | 0 |
|  | Office equipment | piece | 5 | 0 | 0 |
|  | Software | piece | 1955 | 0 | 0 |
|  | Server equipment | piece | 143 | 0 | 2 |
| **Computer equipment and office equipment Summary** |  |  | **4 322,00** | **0,00** | **2,00** |
| Compressors | Compressors (other) | piece | 283 | 1 | 2 |
|  | Substation compressors | piece | 10 | 0 | 0 |
| **Compressors Summary** |  |  | **293,00** | **1,00** | **2,00** |
| Materials | Grounding devices are neutral | piece | 47 | 0 | 0 |
|  | Other materials | km | 166,82 | 0 | 0 |
|  |  | set | 32 | 0 | 0 |
|  |  | m sq. | 400 | 0 | 0 |
|  |  | cubic m | 6680 | 0 | 0 |
|  |  | t | 720,91 | 0 | 0 |
|  |  | pack | 510 | 0 | 0 |
|  |  | piece | 475585 | 22 | 0 |
|  | Wood materials | cubic m | 2500 | 0 | 0 |
|  | Steel materials | km | 25,03 | 0 | 0 |
|  |  | m sq. | 110 | 0 | 0 |
|  |  | t | 300,71 | 0 | 0 |
|  |  | piece | 17112,23 | 30 | 26 |
|  | Lightning cable | km | 36 | 0 | 0 |
|  |  | t | 32,2 | 0 | 0 |
|  | Electric tires | km | 0,68 | 0 | 0 |
|  |  | t | 1,27 | 0 | 0 |
| **Materials Summary** |  |  | **504 259,85** | **52,00** | **26,00** |
| Mechanisms | Jacks | piece | 488 | 2 | 4 |
|  | Other mechanisms | piece | 17 | 0 | 0 |
|  | Mechanisms are special | piece | 14 | 0 | 0 |
|  | A pump for various purposes | piece | 1673 | 2 | 2 |
|  | Hydraulic presses | piece | 21 | 0 | 0 |
| **Mechanisms Summary** |  |  | **2 213,00** | **4,00** | **6,00** |
| Surge limiters | High-frequency limiters | piece | 1 | 0 | 0 |
|  | Surge limiters | set | 11 | 0 | 0 |
|  |  | piece | 3666 | 0 | 0 |
|  | Dischargers | piece | 907 | 0 | 0 |
| **Surge limiters Summary** |  |  | **4 585,00** | **0,00** | **0,00** |
| Olives | Automotive oils | t | 296,31 | 0 | 0 |
|  |  | piece | 27 | 0 | 0 |
|  | Other olives | t | 289,85 | 0 | 0 |
|  |  | piece | 145 | 0 | 0 |
|  | Transformer oils | t | 995,47 | 0 | 0 |
| **Olives Summary** |  |  | **1 753,63** | **0,00** | **0,00** |
| Power line supports and equipment for them | Equipment for supports | piece | 173 | 0 | 0 |
|  | Reinforced concrete supports | piece | 24119 | 182 | 226 |
|  | Other supports | piece | 129 | 0 | 0 |
|  | Metal supports | piece | 142 | 0 | 0 |
| **Power line supports and their equipment Summary** |  |  | **24 563,00** | **182,00** | **226,00** |
| Fuel | Gasoline | t | 6246,3 | 0 | 0 |
|  | Gas | cubic m | 750 | 0 | 0 |
|  |  | t | 211,87 | 0 | 0 |
|  |  | piece | 1 | 0 | 0 |
|  | Diesel | t | 21648,95 | 0 | 0 |
|  | Other fuel | l | 821,12 | 0 | 0 |
|  | Fuel for power plants | t | 51122,5 | 0 | 0 |
| **Fuel Summary** |  |  | **80 801,74** | **0,00** | **0,00** |
| Accounting devices | Measuring devices | piece | 12108 | 1 | 0 |
|  | Other accounting devices | piece | 22 | 0 | 0 |
|  | Counters | piece | 128232 | 0 | 0 |
| **Accounting devices Summary** |  |  | **140 362,00** | **1,00** | **0,00** |
| Food | Food | piece | 64499 | 0 | 0 |
| **Food products Summary** |  |  | **64 499,00** | **0,00** | **0,00** |
| Relay protection and automation | Gas regulating points | piece | 22 | 0 | 0 |
|  | Other relay protection and automation equipment | piece | 2666 | 10 | 0 |
|  | Complete distribution device (KRP) | piece | 97 | 0 | 0 |
|  | Reactors | piece | 17 | 0 | 0 |
| **Relay protection and automation Summary** |  |  | **2 802,00** | **10,00** | **0,00** |
| Overalls and shoes | Overalls and shoes | piece | 11444 | 0 | 0 |
| **Overalls and footwear Summary** |  |  | **11 444,00** | **0,00** | **0,00** |
| Mixtures and liquids | Other liquids | cubic m | 1443 | 0 | 0 |
|  |  | t | 29 | 0 | 0 |
|  | Cooling liquids | t | 9,36 | 0 | 0 |
|  | Special mixtures | t | 46,3 | 0 | 0 |
|  | Chemicals | kg | 150 | 0 | 0 |
|  |  | l | 76 | 0 | 0 |
|  |  | cubic m | 10055 | 0 | 0 |
|  |  | t | 91784,71 | 360 | 0 |
|  |  | piece | 12460 | 0 | 0 |
| **Mixtures and liquids Summary** |  |  | **116 053,37** | **360,00** | **0,00** |
| Transformer equipment | Autotransformers | piece | 9 | 0 | 0 |
|  | Transformer inputs | set | 2 | 0 | 0 |
|  |  | piece | 161 | 0 | 0 |
|  | Other transformer equipment | piece | 510 | 0 | 0 |
|  | Mobile substations | piece | 102 | 0 | 0 |
|  | Block transformers | piece | 28 | 0 | 0 |
|  | Voltage transformers 110-220 kV | piece | 163 | 0 | 0 |
|  | Voltage transformers of 330 kV and above | piece | 13 | 0 | 0 |
|  | Voltage transformers 6-35 kV | piece | 635 | 0 | 0 |
|  | Regulating transformers | piece | 9 | 0 | 0 |
|  | Power transformers 10-40 kV | piece | 1403 | 0 | 1 |
|  | Power transformers 110-220 kV | piece | 109 | 0 | 1 |
|  | Power transformers up to 6 kV | piece | 799 | 0 | 0 |
|  | Current transformers (high voltage) | piece | 784 | 9 | 0 |
|  | Current transformers (low voltage) | piece | 3112 | 0 | 0 |
|  | Current transformers (medium voltage) | piece | 880 | 0 | 0 |
|  | Transformer substations of medium voltage | piece | 152 | 0 | 10 |
| **Transformer equipment Summary** |  |  | **8 871,00** | **9,00** | **12,00** |
| Pipe products | Pipe products | km | 474,07 | 23 | 0 |
|  |  | t | 7552,01 | 29,73 | 10,28 |
|  |  | piece | 553 | 0 | 0 |
| **Pipe products Summary** |  |  | **8 579,08** | **52,73** | **10,28** |
| Turbogenerator equipment | Gas turbine installations | piece | 14 | 0 | 0 |
|  | Other turbogenerator equipment | piece | 7 | 0 | 0 |
|  | Steam turbines | piece | 3 | 0 | 0 |
|  | Turbines | piece | 1 | 0 | 0 |
| **Turbogenerator equipment Summary** |  |  | **25,00** | **0,00** | **0,00** |
| Shields, cabinets, boxes, etc | Mobile premises | piece | 154 | 0 | 0 |
|  | Cabinets and drawers | piece | 34955 | 0 | 0 |
|  | Control panels | piece | 149 | 0 | 12 |
| **Shields, cabinets, boxes, other Summary** |  |  | **35 258,00** | **0,00** | **12,00** |