

| List of Priority A Needs for Ukrainian Power System 17/02/2023 | | | | |
|---|---|--|-------------|--------------------------|
| Sector | Damaged equipment | Technical parameters* | Unit | Required quantity |
| TSO | Autotransformer 750 kV | 333000 kVA Voltages HV/MV/LV - 750/330/15,75 kV | phase | 20 |
| | Autotransformer 330 kV | 250 000 kVA Voltages HV/MV/LV - 330/150/10 kV | pcs | 4 |
| | Autotransformer 330 kV | 250 000 kVA Voltages HV/MV/LV - 330/150/35 kV | pcs | 7 |
| | Autotransformer 330 kV | 250 000 kVA Voltages HV/MV/LV - 330/220/35 kV | pcs | 2 |
| | Autotransformer 330 kV | 200 000 kVA Voltages HV/MV/LV - 330/110/35 kV | pcs | 4 |
| | Autotransformer 330 kV | 200 000 kVA Voltages HV/MV/LV - 330/110/10 kV | pcs | 9 |
| | Autotransformer 330 kV | 200 000 kVA Voltages HV/MV/LV - 330/110/6 kV | pcs | 2 |
| | Autotransformer 330 kV | 195 000 kVA Voltages HV/MV/LV - 330/110/35 kV | pcs | 1 |
| | Autotransformer 330 kV | 195 000 kVA Voltages HV/MV/LV - 330/110/10 kV | pcs | 3 |
| | Autotransformer 330 kV | 125 000 kVA Voltages HV/MV/LV - 330/110/10 kV | pcs | 3 |
| | Autotransformer 330 kV | 125 000 kVA Voltages HV/MV/LV - 330/110/35 kV | pcs | 3 |
| | Autotransformer 220 kV | 200 000 kVA Voltages HV/MV/LV - 220/110/10 kV | pcs | 1 |
| | Autotransformer 220 kV | 125 000 kVA Voltages HV/MV/LV - 220/110/35 kV | pcs | 3 |
| | Autotransformer 220 kV | 125 000 kVA Voltages HV/MV/LV - 220/110/10 kV | pcs | 2 |
| Autotransformer 220 kV | Power - 125 000 kVA Voltages HV/MV/LV - 220/110/6 kV | pcs. | 2 | |
| DSO & Generation (DTEK & other private operators) | Autotransformer 220 kV | Power - 250 000 kVA Voltages HV/MV/LV - 220/110/10,5 kV | pcs. | 1 |
| | Transformer 220 kV | Power - 200 000 kVA Voltages HV/LV - 220/18 kV | pcs. | 1 |
| | Autotransformer 330 kV | Power - 240 000 kVA Voltages HV/LV - 330/220 kV | pcs. | 1 |
| | Autotransformer 400 kV | Power - 210 000 kVA Voltages HV/LV - 400/330 kV | pcs. | 2 |
| | Autotransformer 400 kV | Power - 133 000 kVA Voltages HV/LV - 400/220 kV | pcs. | 1 |

*voltage classes might not be precisely the same, i.e. 345 kV AT is equivalent to 330 kV AT.

List of Priority B Needs for Ukrainian Power System 17/02/2023

| Sector | Damaged equipment | Technical parameters* | Unit | Required quantity |
|--|--|---|--------------|-------------------|
| TSO | Transformer 150 kV | Three-phase Power - 63000 kVA Voltages HV/MV/LV - 150/38,5/6,6 kV | pcs. | 1 |
| | Transformer 110 kV | Three-phase Power - 20000 kVA Voltages HV/MV/LV - 110/35/6 kV | pcs. | 1 |
| | Transformer 35 kV | Three-phase Power - 2500 kVA Voltages HV/LV - 35/6 kV | pcs. | 1 |
| | Transformer 35 kV | Three-phase Power - 630 kVA Voltages HV/LV - 35/0,4 kV | pcs. | 1 |
| | Transformer 15,75 kV | Three-phase Power - 4000 kVA Voltages HV/LV - 15,75/6kV | pcs. | 1 |
| | Transformer 10 kV | Three-phase Power - 10000 kVA Voltages HV/LV - 10/6 kV | pcs. | 1 |
| | Transformer 10 kV | Three-phase Power - 1000 kVA Voltages HV/LV - 10/0,4 kV | pcs. | 2 |
| | Transformer 10 kV | Three-phase Power - 630 kVA Voltages HV/LV - 10/0,4 kV | pcs. | 5 |
| | Transformer 6 kV | Three-phase Power - 630 kVA Voltages HV/LV - 6/0,4 kV | pcs. | 3 |
| | Reactor 750 kV | Single-phase Rated power - 110000 kVAp Rated voltage - 750 kV | phase | 7 |
| | Regulating transformer 35 kV | Three-phase Power - 63 000 kVA Voltages HV/LV - 38,5/38,5±10x1,5% kV | pcs. | 4 |
| | Regulating transformer 10 kV | Three-phase Power - 40 000 kVA Voltages HV/LV - 11/11±10x1,5% kV | pcs. | 2 |
| | Regulating transformer 35 kV | Three-phase Power - 40 000 kVA Voltages HV/LV - 35/35 kV | pcs. | 1 |
| | Regulating transformer 35 kV | Three-phase Power - 10 000 kVA Voltages HV/LV - 38,5/38,5±10x1,5% kV | pcs. | 2 |
| | Phase Shifting Transformer 110 kV | Single-phase Rated power - 92000 kVA Voltages RW/EW/CW - 68/15,75/10,5 kV | phase | 10 |
| | Circuit breaker 750 kV | Rated voltage - 750 kV Rated current - 4000A Rated short-circuit breaking current - 40 kA | set 3 phases | 5 |
| | Circuit breaker 330 kV | Rated voltage - 330 kV Rated current - 3150A Rated short-circuit breaking current - 40 kA | set 3 phases | 26 |
| | Circuit breaker 330 kV | Rated voltage - 330 kV Rated current - 4000A Rated short-circuit breaking current - 63 kA | set 3 phases | 2 |
| | Circuit breaker 220 kV | Rated voltage - 220 kV Rated current - 3150A Rated short-circuit breaking current - 40 kA | set 3 phases | 11 |
| | Circuit breaker 150 kV | Rated voltage - 150 kV Rated current - 3150A Rated short-circuit breaking current - 40 kA | set 3 phases | 15 |
| | Circuit breaker 110 kV | Rated voltage - 110 kV Rated current - 3150A Rated short-circuit breaking current - 40 kA | set 3 phases | 44 |
| | Circuit breaker 35 kV | Rated voltage - 35 kV Rated current - 2000A Rated short-circuit breaking current - 40 kA | pcs. | 4 |
| | Circuit breaker 10 kV | Rated voltage - 10 kV Rated current - 630A Rated short-circuit breaking current - 20 kA | bay | 3 |
| Disconnecter 750 kV with one earthing switch | Rated voltage - 750 kV Rated current - 4000A | set 3 phases | 1 | |
| Disconnecter 750 kV with one earthing switch | Rated voltage - 750 kV Rated current - 3150A | set 3 phases | 2 | |
| Disconnecter 330 kV with two earthing switches | Rated voltage - 330 kV Rated current - 3150A | set 3 phases | 21 | |

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| Disconnecter 330 kV with one earthing switch | Rated voltage - 330 kV Rated current - 3150A | set 3 phases | 31 |
| Disconnecter 220 kV with two earthing switches | Rated voltage - 220 kV Rated current - 2000A | set 3 phases | 5 |
| Disconnecter 220 kV with one earthing switch | Rated voltage - 220 kV Rated current - 2000A | set 3 phases | 13 |
| Disconnecter 150 kV with two earthing switches | Rated voltage - 150 kV Rated current - 2000A | set 3 phases | 5 |
| Disconnecter 150 kV with one earthing switch | Rated voltage - 150 kV Rated current - 2000A | set 3 phases | 27 |
| Disconnecter 110 kV with two earthing switches | Rated voltage - 110 kV Rated current - 2000A | set 3 phases | 9 |
| Disconnecter 110 kV with two earthing switches | Rated voltage - 110 kV Rated current - 3150A | set 3 phases | 10 |
| Disconnecter 110 kV with one earthing switch | Rated voltage - 110 kV Rated current - 2000A | set 3 phases | 60 |
| Disconnecter 35 kV with two earthing switches | Rated voltage - 35 kV Rated current - 2000A | set 3 phases | 3 |
| Disconnecter 35 kV with one earthing switch | Rated voltage - 35 kV Rated current - 2000A | set 3 phases | 9 |
| Current transformer 750 kV | SF6-filled Rated voltage - 750 kV Transformer ratio - 4000-3000-2000-1500/1 Accuracy class - 0,2S/0,2S/10P/10P/10P/10P | phase | 5 |
| Current transformer 750 kV | SF6-filled Rated voltage - 750 kV Transformer ratio 4000-2000/1 Accuracy class - 0,2S/0,2S/10P/10P/10P/10P | phase | 4 |
| Current transformer 330 kV | SF6-filled Rated voltage - 330 kV Transformer ratio - 2000/1 Accuracy class - 0,2S/0,2S/10P/10P/10P/10P | phase | 41 |
| Current transformer 330 kV | SF6-filled Rated voltage - 330 kV Transformer ratio - 2000/5 Accuracy class - 0,2S/0,2S/10P/10P/10P/10P | phase | 9 |
| Current transformer 220 kV | SF6-filled Rated voltage - 220 kV Transformer ratio - 1200/1 Accuracy class - 0,5/10P/10P/10P | phase | 3 |
| Current transformer 220 kV | SF6-filled Rated voltage - 220 kV Transformer ratio - 600/5 Accuracy class - 0,5/10P/10P/10P | phase | 6 |
| Current transformer 220 kV | SF6-filled Rated voltage - 220 kV Transformer ratio - 600-1200/5 Accuracy class - 0,5/10P/10P/10P | phase | 6 |
| Current transformer 150 kV | SF6-filled Rated voltage - 150 kV Transformer ratio - 1200/5 Accuracy class - 0,5/10P/10P/10P | phase | 30 |
| Current transformer 110 kV | SF6-filled Rated voltage - 110 kV Transformer ratio - 750-1500/1 Accuracy class - 0,5/10P/10P/10P | phase | 31 |
| Current transformer 110 kV | SF6-filled Rated voltage - 110 kV Transformer ratio - 1500/5 Accuracy class - 0,5/10P/10P/10P | phase | 12 |
| Current transformer 110 kV | SF6-filled Rated voltage - 110 kV Transformer ratio - 600-1000/5 Accuracy class - 0,5/10P/10P/10P | phase | 12 |
| Current transformer 35 kV | Solid isolation Rated voltage - 35 kV Transformer ratio - 1500/5 Accuracy class - 0,5/10P/10P/10P | set 3 phases | 3 |
| Voltage transformer 35 kV | Rated voltage - 35 kV | set 3 phases | 1 |
| Voltage transformer 110 kV | SF6-filled Rated voltage - 110 kV | phase | 12 |
| Voltage transformer 150 kV | SF6-filled Rated voltage - 150 kV | phase | 3 |
| Voltage transformer 220 kV | SF6-filled Rated voltage - 220 kV | phase | 18 |

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| Voltage transformer 330 kV | SF6-filled Rated voltage - 330 kV | phase | 13 | |
| Voltage transformer 750 kV | SF6-filled Rated voltage - 750 kV | phase | 4 | |
| Surge Arrester 750 kV | Rated voltage Surge Arrester (Ur) - 612 kV Line discharge class - 3 | set 3 phases | 5 | |
| Surge Arrester 330 kV | Rated voltage Surge Arrester (Ur) - 288 kV Line discharge class - 2 | set 3 phases | 19 | |
| Surge Arrester 220 kV | Rated voltage Surge Arrester (Ur) - 192 kV Line discharge class - 2 | set 3 phases | 5 | |
| Surge Arrester 150 kV | Rated voltage Surge Arrester (Ur) - 138 kV Line discharge class - 3 | set 3 phases | 11 | |
| Surge Arrester 110 kV | Rated voltage Surge Arrester (Ur) - 108 kV Line discharge class - 2 | set 3 phases | 12 | |
| Surge Arrester 35 kV | Rated voltage Surge Arrester (Ur) - 37,5 kV Line discharge class - 2 | set 3 phases | 7 | |
| Surge Arrester 6 kV | Rated voltage Surge Arrester (Ur) - 6,3 kV Line discharge class - 2 | set 3 phases | 2 | |
| Battery | Battery voltage - 230 B Elements voltage - 2 B Capacity - 620 Ah Service life - not less than 20 years | set | 1 | |
| Battery | Battery voltage - 230 B Elements voltage - 2 B Capacity - 450 Ah Service life - not less than 20 years | set | 3 | |
| Battery | Battery voltage - 230 B Elements voltage - 2 B Capacity - 500 Ah Service life - not less than 20 years | set | 4 | |
| Battery | Battery voltage - 230 B Elements voltage - 2 B Capacity - 375 Ah Service life - not less than 20 years | set | 2 | |
| High-voltage bushings 750 kV | Ун.п.= 800 кВ; Iном=2500А | phase | 3 | |
| High-voltage bushings 330 kV | Rated voltage=363 кВ; rated current=2000А (type ГМТПА-45-330/2000) | phase | 1 | |
| High-voltage bushings 330 kV | Rated voltage=363 кВ; rated current=1000А (type ГБМТП-45-330/1000 У1) | phase | 1 | |
| High-voltage bushings 330 kV | Rated voltage.=363 кВ; rated current=2000А (type ГМТПА(Б)-45-330/2000) | phase | 4 | |
| High-voltage bushings 330 kV | Rated voltage =363 кВ; rated current=1000А (type ГМТПА(Б)-45-330/1000 У1) | phase | 6 | |
| High-voltage bushings 330 kV | Rated voltage =363 кВ; rated current=1600А (type GSB-362/1600/0,6-В) | phase | 3 | |
| DSO & Generation (DTEK & other private operators) | Current transformer | 2000/1, U=330 kV, accuracy class 0.2S, IEC 61869 | pcs. | 27 |
| | Current transformer | 1200/1, U=220 kV, accuracy class 0.2S, IEC 61869 | pcs. | 10 |
| | Current transformer | 1200/5, U=154 kV, accuracy class 0.2S, IEC 61869 | pcs. | 16 |
| | Current transformer | 750-1500/5, U=110 kV, accuracy class 0.2S, IEC 61869 | pcs. | 19 |
| | Voltage transformer | U1=400/√3 kV, U2=100/√3 V, accuracy class 0,2, IEC 61869 | pcs. | 3 |
| | Voltage transformer | U1=330/√3 kV, U2=100/√3 V, accuracy class 0,2, IEC 61869 | pcs. | 6 |
| | Voltage transformer | U1=220/√3 kV, U2=100/√3 V, accuracy class 0,2, IEC 61869 | pcs. | 3 |
| | Voltage transformer | U1=150/√3 kV, U2=100/√3 V, accuracy class 0,2, IEC 61869 | pcs. | 3 |
| | Voltage transformer | U1=110/√3 kV, U2=100/√3 V, accuracy class 0,2, IEC 61869 | pcs. | 3 |

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| Circuit breakers | SF6 LTB | pcs. | 13 |
| Circuit breakers | SF6 HPL245 | pcs. | 5 |
| Circuit breakers | SF6 LTB 170D1/154kV/3150/40kA | pcs. | 6 |
| Circuit breakers | SF6 HPL145B1/110kV/4000A/40kA | pcs. | 7 |
| Disconnectors | 4000 A - 160 kA peak - 63 kA/3sec (various voltage class) | pcs. | 51 |
| Disconnectors | 3150 A - 125 kA peak - 50 kA/3sec. | pcs. | 20 |
| Bushings for AT | (RIP bushings with silicone composite insulator): 400 kV | pcs. | 9 |
| Bushings for AT | (RIP bushings with silicone composite insulator): 245 kV | pcs. | 7 |
| Surge Arresters | 330 kV Surge Arresters EXLIM, or similar | pcs. | 72 |
| Surge Arresters | 220 kV Surge Arresters EXLIM, or similar | pcs. | 30 |
| Surge Arresters | 150 kV Surge Arresters EXLIM, or similar | pcs. | 39 |
| Surge Arresters | 110 kV Surge Arresters EXLIM, or similar | pcs. | 27 |
| Transformer Oil | (T-1500 or similar oil) | kg | 60000 |
| Generators | Generator 200 MW | pcs. | 1 |
| Generators | Generator 300 MW | pcs. | 1 |
| Generator thyristor system | Generator thyristor system | pcs. | 1 |
| Turbines | Steam turbine 200 MW | pcs. | 1 |
| Turbines | Steam turbine 300 MW | pcs. | 1 |
| Engines | Electric motor of feeder pump 8 MW | pcs. | 1 |
| Engines | Electric motor of the ejection pump 200 kW | pcs. | 1 |
| Engines | Electric motor of flush pump 250 kW | pcs. | 2 |
| Engines | Electric motor of the condensate pump 500 kW | pcs. | 3 |
| Engines | Electric motor of desalting pump 250 kW | pcs. | 3 |
| Power transformer | Power transformer 400 MVA/330 kV | pcs. | 1 |
| Power transformer | Power transformer 32 MVA / 20 kV / 6 kV | pcs. | 1 |
| Power transformer | Power transformer 3.2 MVA / 20 kV / 420 V | pcs. | 1 |
| Power transformer | Three-phase transformer 250 MVA | pcs. | 1 |
| Power transformer | Transformer 6/0.4 kV | pcs. | 3 |
| Control system | Control system | pcs. | 1 |
| Mobile substation | 154 (110) kV (40 MVA transformer + set of switchgear 110, 35, 10, 6 kV) | pcs. | 3 |
| Complete secondary substation | (2x630 kVA) with transformers | pcs. | 30 |
| Power transformer | 63 MVA 150/35/10 kV | pcs. | 1 |
| Power transformer | 40 MVA 150/35/10 kV | pcs. | 2 |
| Power transformer | 25 MVA 150/10/6 kV | pcs. | 1 |
| Power transformer | 80 MVA 110/35/10 kV | pcs. | 1 |
| Power transformer | 63 MVA 110/10/10 kV | pcs. | 1 |
| Power transformer | 63 MVA 110/35/10 kV | pcs. | 4 |
| Power transformer | 40 MVA 110/35/10 kV | pcs. | 3 |
| Power transformer | 40 MVA 110/10/10 kV | pcs. | 1 |

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| Power transformer | 25 MVA 110/35/10 kV | pcs. | 2 |
| Power transformer | 25 MVA 110/10/10 kV | pcs. | 1 |
| Power transformer | 16 MVA 110/35/10 kV | pcs. | 2 |
| Power transformer | 10 MVA 110/35/10 kV | pcs. | 2 |
| Power transformer | 16 MVA 35/10 kV | pcs. | 2 |
| Power transformer | 10 MVA 35/10 kV | pcs. | 4 |
| Power transformer | 16 MVA 110/6 kV | pcs. | 2 |
| Power transformer | 4 MVA 110/10 kV | pcs. | 2 |
| Power transformer | 6,3 MVA 35/10 kV | pcs. | 1 |
| Power transformer | 4 MVA 35/10 kV | pcs. | 1 |
| Circuit breaker | Electric and gas switch 110 kV | pcs. | 6 |
| Circuit breaker | Vacuum switch 35 kV | pcs. | 4 |
| Transformer Oil | Transformer oil Nytro 11 GX | tones | 144 |
| Medium Voltage Transition Joint | (POLJ 24) 1x120 - 1x800 mm | pcs. | 754 |
| Power Cable Termination | (POLT 24) 1x120 - 1x800 mm | pcs. | 502 |
| Conical reinforced concrete pole for OHL | (22m) | pcs. | 16 |
| Power Cable 6-10 kV | with XLPE Isolation 1x120 - 1x800 mm | km | 102 |
| Steel-aluminum wire | 120-400 mm ² | tones | 567 |