

Division	Equipment class	Designation	Detailed specification	Quantity	Unit	Place of delivery	Expected order	Expected delivery	Subject matter
system	Power generation, transmission and transformation centralized control unit	CPU (Software)	Short-Term Demand/Supply Plan system modification	1	Set	Central Load Dispatching Center	2019/4	2021/4	Central Load Dispatching Center, demand/supply adjustment market response
system	Power generation, transmission and transformation centralized control unit	CPU (peripheral computers)	Monitor switching PC	1	Set	Nagano Load Dispatching Control Center	2019/5	2020/11	Nagano Load Dispatching Control Center, replacement of training device computer
System	Power generation, transmission and transformation centralized control unit	CPU (electronic computer)	System simulation CPU	1	unit	Meihoku Load Dispatching Control Center	2019/4	2020/7	Meihoku Load Dispatching Control Center, replacement of training device computer
System	Power generation, transmission and transformation centralized control unit	CPU (electronic computer)	Power adjustment capacity planning server	2	units	Central Load Dispatching Center	2019/4	2021/4	Central Load Dispatching Center, demand/supply adjustment market response
System	Power generation, transmission and transformation centralized control unit	CPU (electronic computer)	Nagano region ISC-P (system A) H/W	1	Set	Chiyoda Building	2019/5	2023/5	Replacement of Nagano region system stabilization system (parent station)
System	Power generation, transmission and transformation centralized control unit	CPU (electronic computer)	Nagano region ISC-P (system B) H/W	1	Set	Chiyoda Building	2019/5	2023/5	Replacement of Nagano region system stabilization system (parent station)
System	Power generation, transmission and transformation centralized control unit	CPU (electronic computer)	Nagano region ISC-P (DBMA) H/W	1	Set	Chiyoda Building	2019/5	2023/5	Replacement of Nagano region system stabilization system (parent station)
System	Power generation, transmission and transformation centralized control unit	SOF (Software)	Trunk load - dispatching control system, ISC training response	1	Set	Central Load Dispatching Control Center	2019/12	2021/3	Addition of function to the central load dispatching control system (response to the Eastern Region of the central system ISC)
System	Power generation, transmission and transformation centralized control unit	SOF (Software)	Trunk load - dispatching control system, VQC function improvement etc.	1	Set	Central Load Dispatching Control Center	2019/4	2020/3	Central Load Dispatching control system, software function improvement
System	Power generation, transmission and transformation centralized control unit	SOF (Software)	Trunk load - dispatching control system, response to the new construction of the Hida Converter Station	1	Set	Central Load Dispatching Control Center	2019/4	2021/7	Addition of function to the central load dispatching control system (response to the new construction of the Hida Converter Station)
System	Power generation, transmission and transformation centralized control unit	SOF (Software)	System stabilization system software	1	Set	Chiyoda Building	2019/4	2020/3	Improvement of function of the on-line system stabilization system
System	Power generation, transmission and transformation centralized control unit	SOF (Software)	System stabilization system software	1	Set	Chiyoda Building	2019/4	2020/3	Improvement of function of the on-line system stabilization system
System	Power generation, transmission and transformation centralized control unit	SOF (Software)	Response to wide-area demand/supply adjustment	1	Set	Central Load Dispatching Center	2019/4	2020/5	Central Load Dispatching Center, response to wide-area demand/supply adjustment
System	Power generation, transmission and transformation centralized control unit	SOF (Software)	Automatic load dispatching system, response to the Power Consumption Forecast etc.	1	Set	Central Load Dispatching Center	2019/4	2020/6	Central Load Dispatching Center, improvement of function of the automatic load dispatching system (response to system change)
System	Power generation, transmission and transformation centralized control unit	SOF (Software)	Short-term demand/supply system, response to governor-free etc.	1	Set	Central Load Dispatching Center	2019/4	2020/6	Improvement of the function of the Short-Term Demand/Supply Plan System software
System	Power generation, transmission and transformation centralized control unit	Common business software	Installation cost	1	Set	Nagano Load Dispatching Control Center	2019/5	2020/11	Nagano Load Dispatching Control Center, replacement of training device computer
System	Power generation, transmission and transformation centralized control unit	Other system components (BU base)	Output transformer panel (400V/100V)	2	Surface	Nagoya Load Dispatching Control Center	2019/4	2021/2	Okazaki Office, Load Dispatching Control Center, integration of systems
System	Power generation, transmission and transformation centralized control unit	Middleware	Power middleware (incorporation)	1	Set	Meihoku Load Dispatching Control Center	2019/4	2020/7	Meihoku Load Dispatching Control Center, replacement of training device computer
System	Power generation, transmission and transformation centralized control unit	Trunk system stabilizer (ISC-C)	Remodeling	1	Set	Nishinagoya Substation	2019/4	2020/4	Nishinagoya Substation, improvement of the TSC function of ISC system
System	Power generation, transmission and transformation centralized control unit	Trunk system stabilizer (ISC-C)	Remodeling	1	Set	Nishinagoya Substation	2019/4	2020/6	Nishinagoya Substation, remodeling of the frequency maintaining function of the main system of ISC system
System	Power generation, transmission and transformation centralized control unit	Large-size display for load dispatch information display device	LCD display device	1	Set	Central Load Dispatching Center	2019/4	2020/3	Central Load Dispatching Center, replacement of the system panel in the load dispatching room
System	Power generation, transmission and transformation centralized control unit	System panel display (for training room)	Double-stack 65-inch liquid crystal display for BU/training	1	Surface	Okazaki Load Dispatching Control Center	2019/11	2021/9	Okazaki Office, Load Dispatching Control Center, integration of systems
System	Power generation, transmission and transformation centralized control unit	Control system DB software for common use	Business software	1	Set	Nagoya Load Dispatching Control Center	2019/6	2022/3	Installation of the inter connection base for load dispatching control system information
Transformation	Insulator cleaning device	Insulator cleaning device	Pump, motor, pump control panel etc.	1	Set	Owase Substation	2019/7	2021/6	Owase Substation, installation of insulator cleaning device etc. for reservoir
Transformation	Insulator cleaning device	Insulator cleaning device	Insulator cleaning device/fire extinguishing device, addition of compartments	1	Set	Chita Thermal Power Plant	2019/10	2021/6	Chita Thermal Power Plant, repair of 275kV equipment
Transformation	Insulator cleaning device	Insulator cleaning device	Insulator cleaning/control panel	3	Surface	Ueta Substation	2019/4	2020/2	Ueta Substation, replacement of insulator cleaning device
Transformation	Insulator cleaning device	Insulator cleaning device, repair material	Repair of buried pipes	1	Set	Chita Thermal Power Plant	2019/4	2020/1	Chita Thermal Power Plant, repair of insulator cleaning pipe (in the premise of 77kV)
Transformation	Circuit breaker	275kV GIS	Specification of 50Hz	5	units	Higashi-Shimizu Substation	2019/5	2028/5	Higashi-Shimizu Substation, expansion of FC
Transformation	Circuit breaker	275kV GIS	Specification of 50Hz	5	units	Higashi-Shimizu Substation	2019/5	2028/5	Higashi-Shimizu Substation, expansion of FC
Transformation	Circuit breaker	275kV, GIS, 2kV bank	40kA, with 18 pieces of CT	1	unit	Higashi-Shimizu Substation	2019/5	2028/5	Higashi-Shimizu Substation, expansion of FC
Transformation	Circuit breaker	6.6kV portable cubicle		1	Set	Handa-Cho Substation	2019/4	2020/9	Hamaei Substation, replacement of portable package
Transformation	Circuit breaker	6.6kV 3-stack cubicle		1	Set	Kayaba Substation	2019/6	2020/11	Kayaba Substation, replacement of 6.6kV cubicle etc.

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Transformation	Circuit breaker	6.6kV 3-stack cubicle		1	Set	Tanigawa Substation	2019/9	2021/2	Tanigawa Substation, repair of 6.6kV indoor equipment
Transformation	Circuit breaker	6.6kV 3-stack cubicle		1	Set	Torimatsu Substation	2019/7	2020/11	Torimatsu Substation, replacement of 6.6kV cubicle
Transformation	Circuit breaker	6.6kV 3-stack cubicle		1	Set	Naka Substation	2019/9	2021/1	Naka Substation, replacement of 6.6kV cubicle
Transformation	Circuit breaker	6.6kV 3-stack cubicle		1	Set	Sugino Substation	2019/9	2021/1	Sugino Substation, repair/replacement of 6.6kV package etc.
Transformation	Circuit breaker	77kV C-GIS for ShR	25kA 40MVA	1	unit	Ugata Substation	2019/8	2021/2	Ugata Substation, installation of 77kV ShR
Transformation	Circuit breaker	77kV GIS	1,200A 25kA	9	units	Haguro Substation	2019/11	2021/9	Haguro Substation, repair of 77/33kV equipment
Transformation	Circuit breaker	77kV compressed GIS, 1200A power line A	25kA, with 6 pieces of CT underground	2	units	Haguro Substation	2019/11	2021/6	Haguro Substation, repair of 77/33kV equipment
Transformation	Circuit breaker	77kV compressed GIS, 1200A primary power distribution	25kA, with 6 pieces of CT	1	unit	Higashi-Shimizu Substation	2020/3	2024/4	Higashi-Shimizu Substation, expansion of FC
Transformation	Circuit breaker	77kV compressed GIS, 800A primary power distribution	25kA, with 6 pieces of CT	2	units	Haguro Substation	2019/11	2021/6	Haguro Substation, repair of 77kV equipment (distribution/transformation)
Transformation	Circuit breaker	Station service cubicle		1	Set	Toei Substation	2019/5	2026/10	Toei Substation, expansion of 500/275kV transformer
Transformation	Circuit breaker	Station service cubicle		1	Set	Higashi-Shimizu Substation	2020/3	2023/12	Higashi-Shimizu Substation, expansion of FC
Transformation	Circuit breaker	Other gas insulated switchgear	GIB 4,000A (D/E connection line)	320	m	Chita Thermal Power Plant	2019/9	2022/4	Chita Thermal Power Plant, repair of 275kV equipment
Transformation	Periphery monitoring/alert device	1:N ITV device (for electric power station)		1	Set	Sun-en Substation	2020/3	2021/6	Sun-en Substation, man-saving
Transformation	Periphery monitoring/alert device	ITV device		1	Set	Shin-Sakura Substation	2019/4	2019/10	Shin-Sakura Substation, replacement of intrusion monitoring device
Transformation	Fire extinguishing system	Fire extinguishing system	Stationary fire extinguishing device for transformer (1B)	1	Set	Chita Thermal Power Plant	2019/8	2020/9	Chita Thermal Power Plant, expansion of 275/154kV transformer
Transformation	Fire extinguishing system	Fire extinguishing system	Stationary fire extinguishing device for transformer (2B)	1	Set	Chita Thermal Power Plant	2019/8	2021/6	Chita Thermal Power Plant, expansion of 275/154kV transformer
Transformation	Power phase modifying equipment	33kV ShR	60MVA 3-phase	1	unit	Seino Substation	2019/6	2020/12	Seino Substation, replacement of 33kV No. 2 shunt reactor
Transformation	Power phase modifying equipment	77kV SC	20MVA stand type	3	units	Toshin Substation	2019/4	2021/4	Toshin Substation, replacement of 77kV 2-phase modification SC
Transformation	Power phase modifying equipment	77kV ShR	20MVA 3-phase	1	unit	Iwakura Substation	2019/11	2021/6	Iwakura Substation, replacement of 77kV ShR
Transformation	Power phase modifying equipment	77kV ShR	Variable type 10-20MVA 3-phase	1	unit	Aoyama Substation	2019/4	2020/12	Aoyama Substation, installation of 77kV ShR
Transformation	Power phase modifying equipment	77kV ShR	Variable type 7-14MVA 3-phase	1	unit	Ugata Substation	2019/4	2021/2	Ugata Substation, installation of 77kV ShR
Transformation	Steel towers and structures etc.	Substation steel structure bolt structure	275kV yard	128,000	kg	Toei Substation	2019/5	2023/4	Toei Substation, expansion of 500/275kV transformer
Transformation	Switchboard	B13 (pulse code modulator D-type of 154 or less)	3-circuit implementation	3	Surface	Kakomachi Substation	2019/5	2020/10	Kakomachi Substation, replacement of 154kV control panel/protection panel
Transformation	Switchboard	PCM pulse code modulator (154kV)	Single circuit PCM of municipal system (main/rear/switch)	1	Set	Kakomachi Substation	2019/5	2020/10	Kakomachi Substation, replacement of 154kV control panel/protection panel
Transformation	Switchboard	PCM pulse code modulator (154kV)	Single circuit PCM of municipal system (main/rear/switch)	1	Set	Nunoike Substation	2019/6	2020/10	Nunoike Substation, replacement of 154kV protection panel (for Matsugae-Nunoike Line)
Transformation	Switchboard	PCM pulse code modulator (154kV)	Main, 1L for second reserve, 2L for second reserve	1	Set	Seto Hydroelectric Power Plant	2019/8	2021/2	Seto Hydroelectric Power Plant etc., replacement of protection panel in association with the connection of renewable energy
Transformation	Switchboard	PCM pulse code modulator (154kV)	Main, 1L for second reserve, 2L for second reserve	1	Set	Higashiueda Hydroelectric Power Plant	2019/8	2021/2	Seto Hydroelectric Power Plant etc., replacement of protection panel in association with the connection of renewable energy
Transformation	Switchboard	PCM pulse code modulator (154kV)	Main, 1L for second reserve, 2L for second reserve	1	Set	Mazegawa Daini Hydroelectric Power Plant	2019/8	2021/2	Seto Hydroelectric Power Plant etc., replacement of protection panel in association with the connection of renewable energy
Transformation	Switchboard	PCM pulse code modulator (154kV)	Kakomachi 1/2/3L, Nunoike 1/2L	1	Set	Matsugae Substation	2019/6	2020/10	Matsugae Substation, replacement of 275/154kV control panel/protection panel
Transformation	Switchboard	PCM pulse code modulator (275kV)	275 main-rear integrated type 2 with second D-type B with 43P	1	Set	Okuyahagi Daiichi Hydroelectric Power Plant	2019/7	2020/9	Okuyahagi Daiichi Hydroelectric Power Plant, replacement of Okuyahagi Daini Line protection panel etc.
Transformation	Switchboard	PCM pulse code modulator (275kV)	275 Tokai Line	1	Set	Matsugae Substation	2019/4	2020/10	Matsugae Substation, replacement of 275/154kV control panel/protection panel
Transformation	Switchboard	PCM pulse code modulator (PCM 3-IP)	Main/rear integrated type	1	Set	Yoshida Substation	2019/4	2020/9	Yoshida Substation, replacement of 77kV protection panel

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Transformation	Switchboard	PCM pulse code modulator (PCM 3-IP)	Main/rear integrated type (Sohara Line)	1	Set	Kitagifu Substation	2019/5	2020/7	Kitagifu Substation, installation of 77kV bus bar protection panel etc.
Transformation	Switchboard	Overcurrent protection device (I2SD)	Single-circuit D-type	3	Surface	Nunoike Substation	2019/6	2020/10	Nunoike Substation, replacement of 33kV protection panel (for Chuden Building etc.)
Transformation	Switchboard	Control panel for each circuit (154kV DAC)	Remodeling of wireway (small-scale for each circuit 1G-A) etc.	1	Set	Taketoyo Thermal Power Plant	2019/4	2020/3	Taketoyo Thermal Power Plant, repair of 154/77kV equipment
Transformation	Switchboard	Control panel for each circuit (500kV DAC)	Wireway (for each circuit 3G) etc.	1	Set	Shin-Mikawa Substation	2019/8	2021/10	Shin-Mikawa Substation, replacement of 500/275kV control panel
Transformation	Switchboard	Monitoring control panel (aggregation type 1G)	12 circuits or less, TC 2ch, 1050 in width	1	Set	Ohigawa Hydroelectric Power Plant	2019/10	2021/8	Ohigawa Hydroelectric Power Plant, replacement of 154/77kV control panel/protection panel
Transformation	Switchboard	Monitoring control panel (aggregation type 1G)	12 circuits or less, TC 2ch, 1050 in width	1	Set	Mochimune Substation	2019/6	2020/11	Mochimune Substation, replacement of 77kV control panel/protection panel
Transformation	Switchboard	Monitoring control panel (aggregation type 1G)	6 circuits or less, TC 1ch, 700 in width	1	Set	Haguro Substation	2019/5	2021/9	Haguro Substation, repair of 77/33kV equipment
Transformation	Switchboard	Monitoring control panel (aggregation type 1G)	6 circuits or less, TC 1ch, 700 in width	1	Set	Kamata Substation	2019/5	2020/10	Kamata Substation, replacement of 77kV control panel/protection panel
Transformation	Switchboard	Monitoring control panel (aggregation type 1G)	6 circuits or less, TC 1ch, 700 in width	1	Set	Yasuoka Hydroelectric Power Plant	2019/11	2021/10	Yasuoka Hydroelectric Power Plant, repair of 154kV equipment (transformation)
Transformation	Switchboard	Station service low-voltage (LV)	AC station service panel	1	Set	Hokubu Substation	2020/3	2021/2	Hokubu Substation, replacement of control panel/protection panel
Transformation	Switchboard	Voltage/phase modifying equipment control device (VQC)	Phase modifying device	1	Set	Ugata Substation	2019/7	2020/12	Ugata Substation, installation of 77kV ShR
Transformation	Switchboard	Voltage/phase modifying equipment control device (VQC)	Phase modifying device	1	Set	Aoyama Substation	2019/5	2020/10	Aoyama Substation, installation of 77kV ShR
Transformation	Switchboard	Integrated type measuring device slave station		3	Surface	Kanoh Substation	2019/4	2020/5	Kanoh Substation, replacement of 154kV PCM protection panel (for Kitaichinomiya Line) etc.
Transformation	Switchboard	Control panel for power distribution/transformation	Replacement of units	1	Set	Kishida Substation	2019/7	2020/11	Kishida Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation	Replacement of units	1	Set	Atsumi Substation	2019/4	2020/5	Atsumi Substation, replacement of power distribution/transformation switchboard unit
Transformation	Switchboard	Control panel for power distribution/transformation	Replacement of units	1	Set	Mikkabi Substation	2019/5	2020/7	Mikkabi Substation, replacement of power distribution/transformation protection/control panel unit
Transformation	Switchboard	Control panel for power distribution/transformation	Replacement of units	1	Set	Sumiyoshi-Cho Substation	2019/6	2020/10	Sumiyoshi-Cho Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation	Replacement of units	1	Set	Saigu Substation	2019/8	2020/12	Saigu Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation	Replacement of units	1	Set	Taki Substation	2019/4	2020/6	Taki Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation	Replacement of units	1	Set	Mugegawa Substation	2019/4	2020/6	Mugegawa Substation, replacement of power distribution/transformation switchboard unit
Transformation	Switchboard	Control panel for power distribution/transformation (second D-type)	RdF implementation	1	Set	Yamaguchi-Machi Substation	2019/4	2020/5	Yamaguchi-Machi Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation	1	Set	Nakagiri-Machi Substation	2020/3	2021/1	Nakagiri-Machi Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation	1	Set	Toyohama Substation	2019/6	2020/4	Toyohama Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation	1	Set	Honji Substation	2019/6	2020/8	Honji Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation without JHA, with SD1	1	Set	Ejiri Substation	2019/11	2020/10	Ejiri Substation, replacement of power distribution/transformation protection/control panel etc.
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation without JHA, with SD1	1	Set	Yamada Substation	2019/4	2019/12	Yamada Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation without JHA, with SD1	1	Set	Takeori Substation	2019/6	2020/4	Takeori Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHA, without SD1	1	Set	Hanazawa Substation	2019/7	2020/4	Hanazawa Substation, replacement of switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHA, without SD1	1	Set	Kayaba Substation	2019/10	2020/9	Kayaba Substation, replacement of 6.6kV cubicle etc.
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHA, without SD1	1	Set	Shiraita Substation	2019/6	2020/5	Shiraita Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHA, with SD1	1	Set	Kokubu Substation	2019/10	2020/8	Kokubu Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHA, with SD1	1	Set	Kanbe Substation	2019/4	2019/12	Kanbe Substation, replacement of power distribution/transformation switchboard

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Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHA, with SD1	1	Set	Kanda-Cho Substation	2019/11	2020/10	Kanda-Cho Substation, replacement of power distribution/transformation protection/control panel etc.
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHA, with SD1	1	Set	Fujimi Substation	2019/5	2020/3	Fujimi Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHA, with SD1	1	Set	Kitashinden Substation	2019/5	2020/4	Kitashinden Substation, replacement of transformer (77/6. 6kV, 2B) etc.
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation without JHB, with SD2	1	Set	Minochi Substation	2019/5	2020/4	Minochi Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHB, without SD2	1	Set	Niike Substation	2019/12	2020/9	Niike Substation, replacement of switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHB, with SD2	1	Set	Nishijohoku Substation	2019/11	2020/9	Nishijohoku Substation, replacement of power distribution/transformation protection/control panel etc.
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHB, with SD2	1	Set	Tsukahara Substation	2019/10	2020/8	Tsukahara Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHB, with SD2	1	Set	Nanjo Substation	2019/5	2020/4	Nanjo Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHB, with SD2	1	Set	Hishino Substation	2019/4	2020/2	Hishino Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	2B implementation with JHA, with SD1	1	Set	Shimada Substation	2019/11	2020/9	Shimada Substation, replacement of power distribution/transformation protection/control panel
Transformation	Switchboard	Control panel for power distribution/transformation (3rd D-type)	3B implementation with JHA, with SD1	1	Set	Jonan Substation	2019/4	2019/12	Jonan Substation, replacement of power distribution/transformation switchboard
Transformation	Switchboard	Transformer over current protection device (TOL)	Second D-type	1	Set	Nishinagoya Substation	2019/8	2021/4	Nishinagoya Substation, installation of 275/154kV Tr automatic charging device
Transformation	Switchboard	Bus bar protection device (BP, BI)	Replacement of 275A units (A)(B)	1	Set	Matsugae Substation	2020/1	2021/2	Matsugae Substation, replacement of 275/154kV control panel/protection panel
Transformation	Emergency power supply device	Emergency generator, diesel type	150kVA	1	Set	Ise Switching Station	2019/9	2021/1	Ise Switching Station, replacement of EG
Transformation	Transformer	154kV major transformer	154/11kV 40MVA	1	unit	Kosaka Power Generation Plant	2019/5	2021/8	Kosaka Power Generation Plant, replacement of Tr (154/11kV, 3B)
Transformation	Transformer	154kV major transformer	154/77kV 150MVA	1	unit	Ogaki Substation	2020/2	2021/12	Ogaki Substation, replacement of Tr (154/77kV, 3B)
Transformation	Transformer	275kV major transformer	275/77kV 100MVA	1	unit	Seino Substation	2019/6	2021/10	Seino Substation, replacement of Tr (275/77kV, 5/6B)
Transformation	Transformer	275kV major transformer	275/77kV 100MVA	1	unit	Seino Substation	2019/6	2022/11	Seino Substation, replacement of Tr (275/77kV, 5/6B)
Transformation	Transformer	77kV major transformer	77/33kV 10MVA	1	unit	Oku Substation	2019/9	2021/4	Oku Substation, replacement of Tr (77/33kV, 2B)
Transformation	Transformer	77kV major transformer	77/6. 6 10MVA	1	unit	Shimomura Hydroelectric Power Plant	2019/6	2022/11	Shimomura Hydroelectric Power Plant, repair of 77kV equipment (Tajimi Office)
Transformation	Transformer	77kV major transformer	77/6. 6 10MVA	1	unit	Kuroda Hydroelectric Power Plant	2019/5	2021/11	Kuroda Hydroelectric Substation, change in 77kV system
Transformation	Transformer	77kV major transformer	77/6. 6 10MVA	1	unit	Sumiyoshi-Cho Substation	2019/4	2020/11	Sumiyoshi-Cho Substation, replacement of Tr (77/6. 6kV, 2/3B) etc.
Transformation	Transformer	77kV major transformer	77/6. 6 10MVA	1	unit	Sumiyoshi-Cho Substation	2019/4	2021/5	Sumiyoshi-Cho Substation, replacement of Tr (77/6. 6kV, 2/3B) etc.
Transformation	Transformer	77kV major transformer	77/6. 6 10MVA	1	unit	Tsugaike Substation	2019/4	2020/9	Tsugaike Substation, replacement of 2BC-GIS/transformer
Transformation	Transformer	77kV major transformer	77/6. 6 10MVA	1	unit	Katano Substation	2019/4	2021/2	Katano Substation, expansion of Tr (77/6. 6kV, 3B)
Transformation	Transformer	77kV major transformer	77/6. 6 10MVA	1	unit	Horai Substation	2019/8	2020/10	Horai Substation, replacement of 1B transformer
Transformation	Transformer	77kV major transformer	77/6. 6 10MVA	1	unit	Iwamura Substation	2019/7	2020/10	Iwamura Substation, reinforcement of Tr (distribution)
Transformation	Transformer	77kV major transformer	77/6. 6 10MVA	1	unit	Kitashinden Substation	2019/4	2020/5	Kitashinden Substation, replacement of transformer (77/6. 6kV, 2B) etc.
Transformation	Transformer	Station-service transformer	420/210V 5MVA	4	units	Higashi-Shimizu Substation	2020/3	2024/7	Higashi-Shimizu Substation, expansion of FC
Transformation	Transformer	Grounding transformer	77/6.6kV 17. 8MVA	2	units	Sun-en Substation	2020/2	2021/12	Sun-en Substation, replacement of 77kV grounding transformer
Transformation	Transformer	Grounding transformer	77/6.6kV 17. 8MVA	2	units	Higashi-Shimizu Substation	2020/3	2024/7	Higashi-Shimizu Substation, expansion of FC
Transformation	Circuit breaker	77kV C-GIS for power distribution/transformation	Cable connection on the transformer side, with opening/closing loop	1	unit	Okubo Substation	2019/10	2020/12	Okubo Substation, repair of 77kV outdoor equipment

Division	Equipment class	Designation	Detailed specification	Quantity	Unit	Place of delivery	Expected order	Expected delivery	Subject matter
Transformation	Circuit breaker	77kV C-GIS for power distribution/transformation	Cable connection on the transformer side, without opening/closing loop	1	unit	Kuroda Hydroelectric Power Plant	2019/5	2021/11	Kuroda Hydroelectric Substation, change in 77kV system
Transformation	Circuit breaker	77kV C-GIS for power distribution/transformation	Cable connection on the transformer side, without opening/closing loop	1	unit	Sugino Substation	2019/9	2021/4	Sugino Substation, repair/replacement of 6.6kV package etc.
Transformation	Circuit breaker	77kV C-GIS for power distribution/transformation	Cable connection on the transformer side, with opening/closing loop	1	unit	Niike Substation	2019/9	2020/12	Niike Substation, replacement of indoor/outdoor components
Transformation	Circuit breaker	77kV C-GIS for power distribution/transformation	Cable connection on the transformer side, with opening/closing loop	1	unit	Niike Substation	2019/9	2020/11	Niike Substation, replacement of indoor/outdoor components
Transformation	Circuit breaker	77kV C-GIS for power distribution/transformation	Cable connection on the transformer side, with opening/closing loop	1	unit	Sugino Substation	2019/9	2021/6	Sugino Substation, repair/replacement of 6.6kV package etc.
Transformation	Circuit breaker	77kV C-GIS for power distribution/transformation	Cable connection on the transformer side, with opening/closing loop	1	unit	Tsugaike Substation	2019/4	2020/9	Tsugaike Substation, replacement of 2BC-GIS/transformer
Civil engineering and construction (merchandising)	Circuit breaker	Building cubicle-type power receiving equipment		1	Set	Toyo-Cho, Handa City, Aichi Pref.	2019/4	2019/12	Handa Office, Electric Power Center, improvement of high-voltage power receiving equipment