

Procurement Plan for Electric Power Facilities

(Category: Equipment and materials for hydro power stations)

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N O .	Description and Specifications			Quantity	Unit	Required by the below	Expected RFQ Month	Delivery Month	Delivery Terms
1	transformers for substations (110 kV or lower)	Transformer (110 kV or lower)	66/6 kV, 3 MVA, with accessories, transportation cost, roller conveyance included	1	set	Otatsu Hydro Power Station	Mar-2025	May-2026	Delivery at place (DAP)
2	transformers for substations (110 kV or lower)	Transformer (110 kV or lower)	6.3/66 kV, 7000 kVA, 69 dB, separate placement type	1	set	Kuwanouchi Hydro Power Station	Sep-2025	Jun-2027	Delivery at place (DAP)
3	transformers for substations (110 kV or lower)	Transformer (110 kV or lower)	6.6/66 kV, 9000, 73 dB, separate placement type	1	set	Shinohara Hydro Power Station	Sep-2025	Jun-2026	Delivery at place (DAP)
4	distribution panel for substations	Power distribution panel (on-site panel)	AC on-site panel \times 1, DC on-site panel \times 1	1	set	Otatsu Hydro Power Station	Sep-2025	May-2026	Free on Truck
5	distribution panel for substations	Power distribution panel (on-site panel)	AC 200 V, AC 100 V, DC 100 V	3	panel	Yoake Hydro Power Station	Feb-2025	Feb-2026	Delivery at place (DAP)
6	distribution panel for substations	Power distribution panel (on-site panel)	AC 200 V, AC 100 V, DC 100 V	2	panel	Kurokawa No.2 Hydro Power Station	Sep-2025	Jul-2026	Delivery at place (DAP)
7	distribution panel for substations	Power distribution panel (on-site panel)	AC on-site panel (200 V) \times 1, AC on-site panel (100 V) \times 1, DC on-site panel \times 1	1	set	Manose Hydro Power Station	Mar-2025	Oct-2025	Delivery at place (DAP)
8	transformers for substations (220 kV or higher)	Transformer (220 kV or higher)	11/220 kV, 283 MVA, 87 dB, oil-guiding water-cooling type (separate placement), standard salt-resistant	1	set	Ohira Pumped Storage Power Station	Feb-2025	Apr-2027	Installation, adjustment and field test
9	Circuit breakers for substations (110 kV or lower)	Circuit breaker (72 kV)	72 kV, 800 A, 20 kA, 3 cycles, VCB	1	set	Kuwanouchi Hydro Power Station	Sep-2025	Jun-2027	Delivery at place (DAP)
10	Circuit breakers for substations (110 kV or lower)	Circuit breaker (72 kV)	72 kV, 800 A, 25 kA, 3 cycles, VCB	1	set	Shinohara Hydro Power Station	Sep-2025	Jun-2026	Delivery at place (DAP)
11	Circuit breakers for substations (110 kV or lower)	Circuit breaker	72 kV, 20 kA, 800 A, with accessories, VCB	1	set	Otatsu Hydro Power Station	Mar-2025	May-2026	Free on Truck
12	Disconnectors for substations	Disconnecter	72 kV, horizontal two-point disconnection, 20 kA, 800 A, district A, with accessories	1	set	Otatsu Hydro Power Station	Mar-2025	May-2026	Free on Truck
13	enclosed switchgear for substations	6 kV distribution box (outdoor cubicle)	7.2 kV, 600 A, 12.5 kV, on-site box	1	set	Manose Hydro Power Station	Jun-2024	Oct-2025	Delivery at place (DAP)
14	enclosed switchgear for substations	Portable power distribution box (11 kV)	11 kV, 1200 A; type, 11 kV type (master box, excitation Tr box, on-site Tr box, NGR box), power distribution box	1	set	Yoake Hydro Power Station	Jan-2026	Sep-2026	Delivery at place (DAP)
15	instrument transformer for substations	Instrument transformer (66 kV)	$66/\sqrt{3}$ kV/110/ $\sqrt{3}$ V, PD, 200 VA, bus, load adjustment 50 VA	1	set	Shinohara Hydro Power Station	Sep-2025	Jun-2026	Delivery at place (DAP)
16	instrument transformer for substations	Transformer for capacitor type instrument	66 kV, 200 VA, 66-M, for bus, with accessories	3	set	Otatsu Hydro Power Station	Mar-2025	May-2026	Free on Truck
17	instrument transformer for substations	Instrument transformer (66 kV)	$66/\sqrt{3}$ kV/110/ $\sqrt{3}$ V, PD, 200 VA, bus, standard salt-resistant	1	set	Yoake Hydro Power Station	Apr-2025	Dec-2025	Delivery at place (DAP)
18	Lightning arresters for substations	Lightning arrester (84 kV)	84 kV, 0.03 mg/cm ² or less, standard salt-resistant	1	set	Yoake Hydro Power Station	Jun-2025	Dec-2025	Delivery at place (DAP)
19	equipment and materials for hydro power stations (water intake equipment)	Water intake scouring sluice gate door hoist	Replacement of water intake scouring sluice hoist	1	set	Yuda Hydro Power Station	Jun-2024	Mar-2025	Installation and adjustment
20	equipment and materials for hydro power stations (water intake equipment)	Dust collector	Dust collector replacement	1	set	Honjogawa Hydro Power Station	Apr-2025	Mar-2026	Installation and adjustment

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21	equipment and materials for hydro power stations (water intake equipment)	Screen, 1 set	Width 3.25 m × Diagonal length 1.9 m	1	set	Machida No.1 Hydro Power Station	Aug-2024	Mar-2025	Installation and adjustment
22	equipment and materials for hydro power stations (water intake equipment)	Head tank scouring sluice hoist × 1	Dual-spindle type, 1 unit, 1.5 kW, electric and manual	1	set	Machida No.2 Hydro Power Station	Jun-2024	Mar-2025	Installation and adjustment
23	equipment and materials for hydro power stations (water intake equipment)	Hoist	Remodeling of water intake control gate, 2 gates; hoist replacement (including trestles), 2 units; replacement of operation panels on the machine side, 2 panels	1	set	Yokono Hydro Power Station	Aug-2025	Mar-2026	Installation, adjustment and field test
24	equipment and materials for hydro power stations (water intake equipment)	Selective water intake equipment	Repair of selective water intake equipment	1	set	Hitotsuse Hydro Power Station	Nov-2024	Jun-2025	Installation, adjustment and field test
25	equipment and materials for hydro power stations (water intake equipment)	Automatic dust collector	Automatic dust collector replacement	1	set	Murasho Hydro Power Station	Apr-2025	Mar-2026	Installation, adjustment and field test
26	equipment and materials for hydro power stations (water intake equipment)	Automatic dust collector	Automatic dust collector replacement	1	set	Murasho Hydro Power Station	Apr-2025	Mar-2026	Installation, adjustment and field test
27	Equipment and materials for hydro power stations (water turbine)	Parts for overhaul and repair of Unit 4 pump hydraulic turbine generator motors	Overhaul parts for pump turbines, generator motors, auxiliaries, and other	1	set	Omarugawa Pumped Storage Power Station	Sep-2025	Oct-2026	Completion of test
28	Equipment and materials for hydro power stations (water turbine)	Parts for overhaul and repair of hydraulic turbine generators	Overhaul and repair parts for turbines, generators, and auxiliaries	1	set	Matsubara Hydro Power Station	Jun-2024	Oct-2025	Installation, adjustment and field test
29	Equipment and materials for hydro power stations (water turbine)	Parts for overhaul and repair of hydraulic turbine generators	Parts for overhaul and repair of hydraulic turbine generators	1	set	Kurokawa No.3 Hydro Power Station	Sep-2025	Apr-2027	Delivery at place (DAP)
30	equipment and materials for hydro power stations (electrical equipment)	Circuit breaker and disconnecter	Circuit breaker: 24 kV, 16 kA, 110 kA, for parallel use, GCB. Disconnecter: 24 kV, 16 kA, phase reversing disconnecter	1	set	Omarugawa Pumped Storage Power Station	Jun-2024	May-2025	Completion of test
31	equipment and materials for hydro power stations (electrical equipment)	Circuit breaker and disconnecter	Circuit breaker: 24 kV, 16 kA, 110 kA, for parallel use, GCB. Disconnecter: 24 kV, 16 kA, phase reversing disconnecter	1	set	Omarugawa Pumped Storage Power Station	Jun-2024	Oct-2028	Completion of test
32	equipment and materials for hydro power stations (electrical equipment)	Circuit breaker and disconnecter	Circuit breaker: 24 kV, 16 kA, 130 kA, for parallel use, GCB. Disconnecter: 24 kV, 16 kA, phase reversing disconnecter	1	set	Omarugawa Pumped Storage Power Station	Feb-2026	Oct-2027	Completion of test
33	equipment and materials for hydro power stations (electrical equipment)	Circuit breaker	Gas, 12kV, 5000 A, 73 kA, 5-cycle, for general use (A)	1	set	Kamishiiba Hydro Power Station	Jun-2025	Nov-2026	Free on Truck
34	equipment and materials for hydro power stations (electrical equipment)	Initial excitation circuit breaker	AC aerial circuit breaker (voltage, 600 V; current, 1500 A; short-time current, 50 kA)	1	set	Ohira Pumped Storage Power Station	Sep-2024	Mar-2026	Free on Truck
35	equipment and materials for hydro power stations (electrical equipment)	Portable power distribution box (7.2 kV)	7.2 kV, 1200 A, 20 kA, power distribution box (parallel CB, including existing power distribution box modifications)	1	set	Furuyashiki Hydro Power Station	Sep-2024	Nov-2025	Free on Truck
36	Equipment and materials for hydro power stations (monitoring and control systems)	Maintenance tools for automatic control system	Industrial PCs, general-purpose PCs, LAN cables, and other accessories	1	set	Tenzan Pumped Storage Power Station	Jun-2024	Dec-2025	Installation, adjustment and field test
37	Equipment and materials for hydro power stations (monitoring and control systems)	Sequencer	Generator monitoring control panel, generator control auxiliary panel, and generator relay panel	1	set	Matsubara Hydro Power Station	Jun-2024	Oct-2025	Installation, adjustment and field test
38	Equipment and materials for hydro power stations (monitoring and control systems)	Sequencer	Automatic control panel, generator protection panel, optical transmission equipment, optical cable, etc.	1	set	Shimouke Hydro Power Station	Jul-2025	Jul-2027	Installation, adjustment and field test
39	Equipment and materials for hydro power stations (monitoring and control systems)	Sequencer	Generator control panel I, generator control panel II (for AVR), generator protection relay panel, governor IF panel	1	set	Tsuetate Hydro Power Station	May-2025	Oct-2028	Installation, adjustment and field test
40	Equipment and materials for hydro power stations (monitoring and control systems)	Hydraulic turbine generator power distribution panel (automatic control unit, etc.)	Automatic control panels, etc.: 45 panels in total	1	set	Omarugawa Pumped Storage Power Station	Apr-2027	Nov-2028	Completion of test

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41	Equipment and materials for hydro power stations (monitoring and control systems)	Hydraulic turbine generator power distribution panel	Monitoring control panels: 2 panels	1	set	Kawabaru Hydro Power Station	Jun-2024	Nov-2025	Installation, adjustment and field test
42	Equipment and materials for hydro power stations (other equipment)	Power generation discharge alarm	Electronic display board, electronic display control panel (parent station and child station)	1	set	Matsubara Hydro Power Station	Feb-2025	Oct-2025	Installation, adjustment and field test
43	Equipment and materials for hydro power stations (other equipment)	Pressure oil pump	Pressure oil pump, unloader valve, etc.	1	set	Matsubara Hydro Power Station	Jun-2024	Oct-2025	Installation, adjustment and field test
44	Equipment and materials for hydro power stations (other equipment)	Feed water pump	Feed water pump (total pump head, 27 m; discharge amount, 26 m ³ /min.; output, 150 kW; and voltage, 440 V)	1	set	Ohira Pumped Storage Power Station	Sep-2024	Feb-2026	Free on Truck
45	Equipment and materials for hydro power stations (other equipment)	Chain fixed dust collector, 1 unit; and screen, 1 set	Hosting capacity, 0.15 t, width 4.5 m × Diagonal length 3.575 m	1	set	Machida No.2 Hydro Power Station	Jun-2024	Mar-2025	Installation and adjustment
46	remote monitoring and control system	Electric-supply station server	Integrated IP server, one panel; no I/F for power distribution	1	set	Wanigawa Hydro Power Station	Oct-2024	Oct-2025	Completion of test
47	remote monitoring and control system	Electric-supply station server	I/O rack × 1, tandem type, Shinohara PS child station	1	set	Kakiharu Hydro Power Station	Jan-2025	Nov-2025	Installation, adjustment and field test
48	remote monitoring and control system	Electric-supply station server	Server rack, I/O rack × 1, standard type	1	set	Matsubara Hydro Power Station	Jan-2025	Oct-2025	Installation, adjustment and field test
49	remote monitoring and control system	Electric-supply station server	Tandem type parent station, server rack × 1, I/O rack × 1	1	set	Itsukigawa Hydro Power Station	Aug-2025	Aug-2026	Installation, adjustment and field test
50	remote monitoring and control system	Electric-supply station server	One IP server rack and one I/O rack	1	set	Murasho Hydro Power Station	May-2025	Dec-2026	Installation, adjustment and field test
51	remote monitoring and control system	Electric-supply station server	IP server rack × 1, I/O rack × 1, tandem type: parent station	1	set	Ogawa Hydro Power Station	Jan-2026	Jan-2027	Completion of test
52	remote monitoring and control system	Electric-supply station server	I/O rack × 1, tandem type: Honjogawa PS child station	1	set	Tsukino Hydro Power Station	Apr-2026	Apr-2027	Completion of test
53	Power cables for transmission lines and substations	6 kV power cable	6.6 kV, 325 sq, 3C, flame-retardant, ant-proof	1	set	Manose Hydro Power Station	Mar-2025	Sep-2025	Delivery at place (DAP)
54	Power cables for transmission lines and substations	6 kV power cable	6.6 kV, 325 sq, 3C, flame-retardant, ant-proof	1	set	Honjogawa Hydro Power Station	Oct-2024	Mar-2025	Delivery at place (DAP)
55	Power cables for transmission lines and substations	6 kV power cable	6.6 kV, 250 sq, 3C, flame-retardant, ant-proof	1	set	Koyamagawa Hydro Power Station	Mar-2025	Oct-2025	Delivery at place (DAP)
56	Power cables for transmission lines and substations	Power cable	11 kV CV, 800 mm ² , 6C, flame-retardant, ant-proof	1	set	Kurokawa No.1 Hydro Power Station	Mar-2025	Mar-2026	Delivery at place (DAP)
57	Power cables for transmission lines and substations	Power cable	66 kV CV, 600 mm ² , 1C, flame-retardant, ant-proof	1	set	Chinda Hydro Power Station	Apr-2025	Nov-2025	Delivery at place (DAP)
58	Power cables for transmission lines and substations	Power cable	66 kV CV, 38 mm ² , 1C, flame-retardant, ant-proof	1	set	Chinda Hydro Power Station	Apr-2025	Nov-2025	Delivery at place (DAP)
59	Power cables for transmission lines and substations	Power cable	6 kV CVT, 150 mm ² , flame-retardant, ant-proof	100	m	Kurokawa No.2 Hydro Power Station	Jan-2026	Jul-2026	Delivery at place (DAP)
60	Power cables for transmission lines and substations	Power cable	11 kV CV, 400 mm ² , 1C, flame-retardant, ant-proof	1	set	Yoake Hydro Power Station	Oct-2025	Oct-2026	Delivery at place (DAP)

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61	Power cables for transmission lines and substations	Power cable	11 kV CV, 38 mm ² , 1C, flame-retardant, ant-proof	1	set	Yoake Hydro Power Station	Oct-2025	Oct-2026	Delivery at place (DAP)
62	Power cables for transmission lines and substations	Power cable	66 kV CVT 100 mm ² , 3C, flame-retardant, ant-proof	1	set	Yoake Hydro Power Station	Oct-2025	Oct-2026	Delivery at place (DAP)
63	DC power supply equipment (storage battery ・ battery charger)	DC power unit	Rectifier, 50 A; storage battery, 170 Ah	1	set	Ota Hydro Power Station	Jun-2024	Nov-2024	Installation, adjustment and field test
64	DC power supply equipment (storage battery ・ battery charger)	DC power unit	Rectifier, 50 A; storage battery, MSE (long-life type), 250 Ah × 52 cells	1	set	Otatsu Hydro Power Station	Sep-2025	May-2026	Installation and adjustment
65	DC power supply equipment (storage battery ・ battery charger)	DC power unit	Rectifier, 50 A; storage battery, 170 Ah	1	set	Koshikano Hydro Power Station	Jun-2024	Nov-2024	Installation, adjustment and field test
66	DC power supply equipment (storage battery ・ battery charger)	DC power unit	Rectifier, 50 A; storage battery, 300 Ah	1	set	Honjogawa Hydro Power Station	Jun-2024	Nov-2024	Installation, adjustment and field test
67	DC power supply equipment (storage battery ・ battery charger)	DC power unit	Rectifier, 50 A; storage battery, 200 Ah	1	set	Koyamagawa Hydro Power Station	Jun-2024	Nov-2024	Installation, adjustment and field test
68	physical and chemical appliance	Turbidimeter	Replacement of turbidimeter	1	set	Hitotsuse Hydro Power Station	Aug-2024	Mar-2025	Installation, adjustment and field test
69	monitoring and control system	Automatic control system	Automatic control system, water-level gauge (on-site), monitoring terminal equipment (dam general control room)	1	set	Yokono Hydro Power Station	Aug-2025	Mar-2026	Installation, adjustment and field test
70	measuring and weighing equipment	Meteorological observation device	Float type	1	set	Kamishiiba Hydro Power Station	Jun-2025	Mar-2026	Installation and adjustment
71	steel structure	Kurokawa Daiichi PS overall renewal work	6 6 kV, angle, 6 t	1	set	Kurokawa No.1 Hydro Power Station	Jan-2025	Sep-2025	Delivery at place (DAP)
72	steel structure	Kurokawa Daini PS overall renewal work	6 kV, angle, 1t	1	set	Kurokawa No.2 Hydro Power Station	Sep-2025	Jun-2026	Delivery at place (DAP)
73	steel structure	Yoake PS overall renewal work	66 kV, angle, 1t	1	set	Yoake Hydro Power Station	Sep-2025	Jun-2026	Delivery at place (DAP)