## The Main Procurement Plan in fiscal 2024

\*Plan details (specifications, quantity, due construction period, etc.) may be changed or plans may be discontinued. At the time of the opening, the procurement procedures including contract formation may have been completed.

[Hvr	Iro power plants materials and equipment	At the time of the opening, the procurement procedures including contract formation may have be	en completed	
NO	Delivery destination plant	Article designation/Specification	Q'ty	Unit
	Kaneyama P/S	11/161 kV on-load tap-changing transformer (47 MVA, 60dB, oil autocooling, primary: air, secondary: air, outdoor)	1	Unit
	arakawa P/S	Inverter (110 VDC, 1 unit 1 system type, 200 VAC, 3 KVA)	1	Unit
	Takaiwa Dam	Inverter (110 VDC, 1 unit 1 system type, 200 VAC, 5 KVA)	1	Unit
	Imawatari P/S	Inverter (110 VDC, 1 unit 1 system type, 200 VAC, 5 KVA)	1	Unit
	Miura Dam, Otakigawa Dam, Kisogawa Dam	Inverter (100 VDC, 1 unit 1 system type, 200 VAC, 7.5 KVA)	3	Unit
	Okuwa P/S	Inverter (110 VDC, 1 unit 1 system type, 200 VAC, 5 KVA)	1	Unit
7	Miura Dam, Otakigawa Dam, Kisogawa Dam	Thyristor rectifier(DC100V 100A)	3	Unit
	Hatsukagawa P/S	DC cross board, board width 350	1	Unit
	Takaiwa Dam	Storage battery(Long-life control valve type 200 Ah x 54 cells)	1	Unit
	Amagase P/S	Storage battery(Long-life control valve type 300 Ah x 180 cells)	2	Unit
	Daidogawa P/S	Storage battery(Long-life control valve type 200 Ah x 50 cells)	1	Unit
	Kawai P/S	Storage battery(Long-life control valve type 500 Ah x 51 cells) Storage battery(Long-life control valve type 500 Ah x 51 cells)	1	Unit
	Misen P/S	Storage battery(Long-life control valve type 200 Ah x 52 cells) Storage battery(Long-life control valve type 200 Ah x 52 cells)	1	Unit
	Ookawachi P/S	Storage battery(Long-life control valve type 1500 Ah x 50 cells)	2	Unit
	Mannami P/S	Storage battery(Long-life control valve type 500 Ah x 50 cells) Storage battery(Long-life control valve type 500 Ah x 50 cells)	1	Unit
	Togagawa No.1 P/S	Storage battery(Long-life control valve type 500 Al x 50 cells) Storage battery(Long-life control valve type 500 Al x 50 cells)	1	Unit
	Kasagi P/S	Power cable accessory, 154 kV (Terminating joint box EBA)	3	Unit
			3	Unit
	Kasagi P/S	Power cable accessory, 154 kV (Terminating joint box EBG)		
	Okuyoshino P/S	Pump water wheel auxiliary machine board	1	Set
	Shin-Sakagami P/S	Auxiliary machine control board and others	1	Set
	Shin-Sakagami P/S	Water wheel bearing and other water supply devices	1	Set
	Shin-Yuragawa P/S	Generator control board	1	Set
	Okawara P/S	Governor	1	Set
	Okawara P/S	Switchboard (including compact TC)	1	Set
	Okuyoshino P/S	Inert gas (IG-541) fire extinguishing device	1	Set
	Okuyoshino P/S	Emergency in-house drainage pump (suction total pump head 120 m, power 90 kW, 4-poles, 400 V)	1	Set
	Okuyoshino P/S	Speed controller and others	1	Set
	Yoshino Hydroelectric Power Center	Fire alarm with automatic inspection function	1	Set
	Oosako, Wada P/S	Fire alarm with automatic inspection function	1	Set
	Shirakawa, Otaki P/S	Fire alarm with automatic inspection function	1	Set
	Okuyoshino P/S	Safety valve	1	Set
	Iwakura P/S	Generator control board, generator Ry board, auxiliary board, and others	1	Set
38	Iwakura P/S	Distributing valve, Gov auxiliary board, and other accessories	1	Set
39	Iwakura P/S	Generator control board, generator Ry board, auxiliary board, and others	1	Set
40	Iwakura P/S	Distributing valve, Gov auxiliary board, and other accessories	1	Set
41	Okutataragi P/S	Emergency spare power supply equipment	1	Set
42	Hatsukagawa P/S	DC cross board	1	Set
43	Yomikaki P/S	Control board (including SQC, governor control, protection Ry), transmission board (including transformer protective relay) in-house high-voltage board,	1	Set
	Mio P/S	common control SQC, and others		Set
	Suhara P/S	Water drainage pump, drinking water pump, compressed air generator, pressure oil pump (including control boards) Control center	1	Set
			1	
	Suhara P/S	Pressure oil pump and others (including board)	1	Set
	Minokawai P/S	Water drainage pump	-	Set
	Kaneyama P/S	Pressure oil pump	1	Set
	Kaneyama P/S	Draft water drainage pump, vacuum pump	1	Set
	Shin-Yanagawara P/S	Breaker control panel	1	Set
	Kurobe Railway	In-house water drainage pump	1	Set
	Shin-Kurobegawa No.3 P/S	Control board for in-house water drainage pump	1	Set
	Shin-Yatazou P/S	Power supply equipment for water intake	1	Set
	Kurobegawa No.4 P/S	Power receiving equipment	1	Set
	Sumizome P/S	Water intake regulating gate control board	1	Set
	Wachi P/S	Water intake dust remover	1	Set
	Kuroda P/S	Water tank dust remover	1	Set
	Rakuhoku P/S	Water intake regulating gate winch motor (1.5 kW)	1	Set
	Okuyoshino, Kawai, Wada P/S	Meteorological observation device parts	1	Set
	Mita P/S	Dam sand discharging gate winch, spindle	1	Set
	Koshikata P/S	Water intake dust remover	1	Set
	Mita P/S	Water tank dust remover	1	Set
	Ishii P/S	Rubber dam	1	Set
70	Ichikawa P/S	Flood gate, sand discharging gate automatic control board	1	Set
	0	Pump purge, water pipe, water pipe mount float	1	Set
	Okutataragi P/S		1	Set
	Okutataragi P/S Iwanaka P/S	Water channel monitor control board	1	
72	-	Water channel monitor control board Water channel monitor control board	1	Set
72 73	Iwanaka P/S		1	Set Set
72 73	Iwanaka P/S Ishii P/S	Water channel monitor control board	1 1 1	
72 73 74 75	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S	Water channel monitor control board Water channel monitor control board Water channel monitor control board Meteorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and	-	Set
72 73 74 75 77	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S	Water channel monitor control board Water channel monitor control board Water channel monitor control board Meteorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others)	-	Set Set Set
72 73 74 75 77 78	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S	Water channel monitor control board Water channel monitor control board Water channel monitor control board Water channel monitor control board Meteorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section)	1	Set Set Set Set
72 73 74 75 77 78 79	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S	Water channel monitor control board Water channel monitor control board Water channel monitor control board Mateorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board	1	Set Set Set Set Set
72 73 74 75 77 78 79 80	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S	Water channel monitor control board Water channel monitor control board Water channel monitor control board Mateorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen	1 1 1 1 1 1	Set Set Set Set Set Set
72 73 74 75 77 78 79 80 82	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area	Water channel monitor control board Water channel monitor control board Water channel monitor control board Mateorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen Rain gauge	1 1 1 1 1 1 1	Set Set Set Set Set Set
72 73 74 75 77 78 79 80 82 83	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area Maruyama P/S	Water channel monitor control board Meteorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen Rain gauge Water intake screen	1 1 1 1 1 1 1 1	Set Set Set Set Set Set Set
72 73 74 75 77 78 79 80 82 83 84	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area Maruyama P/S Kaneyama P/S	Water channel monitor control board Meteorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen Rain gauge Water intake screen Water intake screen	1 1 1 1 1 1 1 1 1 1	Set Set Set Set Set Set Set Set
72 73 74 75 77 78 78 80 80 82 83 83 84 85	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area Maruyama P/S Kaneyama P/S Imawatari Hydroelectric Center service area	Water channel monitor control board Meteorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen Rain gauge Water intake screen Water intake screen Meteorological observation device	1 1 1 1 1 1 1 1	Set Set Set Set Set Set Set Set Set
72 73 74 75 77 78 79 80 82 83 84 85 86	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area Maruyama P/S Imawatari Hydroelectric Center service area Kurobegawa No.3 P/S	Water channel monitor control board Materorlogical data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen Rain gauge Water intake screen Meteorological observation device Jujikyo water level gauge and others	1 1 1 1 1 1 1 1 1 1	Set Set Set Set Set Set Set Set Set Set
72 73 74 75 77 78 79 80 82 83 84 83 84 85 86 86	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area Maruyama P/S Kaneyama P/S Imawatari Hydroelectric Center service area Kurobegawa No.3 P/S Kuronagi No. 2 P/S	Water channel monitor control board Mateorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen Rain gauge Water intake screen Water intake screen Mate screen Mateorological observation device Jujikyo water level gauge and others Water tank regulating gate (including winch)	1 1 1 1 1 1 1 1 1 1 1 1	Set Set Set Set Set Set Set Set Set
72 73 74 75 77 78 79 80 82 83 84 85 86 86	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area Maruyama P/S Imawatari Hydroelectric Center service area Kurobegawa No.3 P/S	Water channel monitor control board Materorlogical data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen Rain gauge Water intake screen Meteorological observation device Jujikyo water level gauge and others	1 1 1 1 1 1 1 1 1 1 1 1	Set Set Set Set Set Set Set Set Set Set
72 73 74 75 77 80 80 82 83 84 85 84 85 86 87 88	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area Maruyama P/S Kaneyama P/S Imawatari Hydroelectric Center service area Kurobegawa No.3 P/S Kuronagi No. 2 P/S	Water channel monitor control board Mateorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen Rain gauge Water intake screen Water intake screen Mate screen Mateorological observation device Jujikyo water level gauge and others Water tank regulating gate (including winch)	1 1 1 1 1 1 1 1 1 1 1 1	Set Set Set Set Set Set Set Set Set Set
72 73 74 75 77 78 80 82 83 84 83 84 85 86 87 88 88 89	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area Maruyama P/S Imawatari Hydroelectric Center service area Kurobegawa No.3 P/S Kuronagi No. 2 P/S Otozawa P/S	Water channel monitor control board Mateorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others) Spillway alarm device (recording section, speaker section) Meteorological observation board Water tank screen Rain gauge Water intake screen Mates screen Meteorological observation device Jujikyo water level gauge and others Water tank regulating gate (including winch) Hydraulic unit	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Set Set Set Set Set Set Set Set Set Set
72 73 74 75 77 80 82 83 84 85 86 87 88 88 89 90	Iwanaka P/S Ishii P/S Kishidagawa P/S Yatagawa P/S Yatagawa P/S Yatagawa P/S Ontake P/S Shizumo P/S Kiso Hydroelectric Center service area Maruyama P/S Kaneyama P/S Imawatari Hydroelectric Center service area Kurobegawa No.3 P/S Cotozawa P/S Otozawa P/S Otozawa P/S	Water channel monitor control board         Meteorological data processing device, measuring instruments (wind direction, water temperature, humidity, atmospheric pressure, precipitation, and others)         Spillway alarm device (recording section, speaker section)         Meteorological observation board         Water tank screen         Rain gauge         Water intake screen         Water intake screen         Meteorological observation device         Jujikyo water level gauge and others         Water kar regulating gate (including winch)         Hydraulic unit         Water level gauge	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Set Set Set Set Set Set Set Set Set Set

94	Aratani P/S	Water intake level start-stop automatic control device	1	Set
95	Tsubakihara P/S	Water intake mesh field	1	Set
96	Kanidera P/S	Water intake level start-stop automatic control device	1	Set
97	Sakaigawa P/S	Water pressure steel pipe flowmeter	1	Set
98	Hirase P/S	Water intake dam remote monitor control device	1	Set