

Procurement Plan for Our Electric Power Facilities

(Category: Equipment and materials for Hydro power stations)

(Conditions below are subject to change.)

Description and Specifications		Quantity	Unit	Requesting Office/Station	Month of quotation	Month of delivery
Water turbines, Generators and their accessories	Parts for AVR panel inspection	1	set	Usonoki Hydro Power Station	Oct-2011	Apr-2012
Water turbines, Generators and their accessories	Parts for Governor inspection	1	set	Usonoki Hydro Power Station	Oct-2011	Apr-2012
Water turbines, Generators and their accessories	Generator control panels and others	1	set	Kajiwara Hydro Power Station	Oct-2011	Oct-2012
Water turbines, Generators and their accessories	Runners, Guide vanes	1	set	Iwayado Hydro Power Station	Feb-2012	Nov-2013
Water turbines, Generators and their accessories	AVR panels	1	set	Tsukino Hydro Power Station	Jun-2011	Jan-2012
Water turbines, Generators and their accessories	Governor control panels, AVR panels and Thyristor control panels	3	panel	Kurokawa No. 1 Hydro Power Station	Jun-2011	Apr-2012
Water turbines, Generators and their accessories	Generator stator	1	set	Matsubara Hydro Power Station	Aug-2011	Aug-2013
Water turbines, Generators and their accessories	Water turbine, Generator, Accessories and Switchgears for generator	1	set	Shin Kousa Hydro Power Station	Dec-2011	May-2013
Water turbines, Generators and their accessories	Overhead traveling crane	1	set	Shin Kousa Hydro Power Station	Mar-2012	Apr-2013
Water turbines, Generators and their accessories	Water turbine, Generator, Generator control panels and Automatic control panels	1	set	Kawakamigawa No. 2 Hydro Power Station	Jun-2011	Nov-2012
Water turbines, Generators and their accessories	Governor control panels, Electric servomotors	1	set	Otatsu Hydro Power Station	Jun-2011	Apr-2012
Water turbines, Generators and their accessories	Inlet valves	1	set	Otatsu Hydro Power Station	Jun-2011	Apr-2012
Water turbines, Generators and their accessories	Generator stator	1	set	Otatsu Hydro Power Station	Jun-2011	Apr-2012
Water turbines, Generators and their accessories	Thrust oil cooler	1	set	Tenzan Pumped Storage Power Station	Jun-2011	Dec-2011
Water turbines, Generators and their accessories	Parts for general inspection of Reversible pump-turbine	1	set	Tenzan Pumped Storage Power Station	Jan-2012	Apr-2012
Water turbines, Generators and their accessories	Overhaul and repairing materials for Water turbine and generator	1	set	Kajiwara Hydro Power Station	Oct-2011	Oct-2012
Water turbines, Generators and their accessories	Overhaul and repairing materials for Water turbine and generator	1	set	Kurokawa No. 1 Hydro Power Station	Jun-2011	Mar-2012
Water turbines, Generators and their accessories	Overhaul and repairing materials for Water turbine and generator	1	set	Sugiyasu Hydro Power Station	Sep-2011	Mar-2012
Water turbines, Generators and their accessories	Overhaul and repairing materials for Water turbine and generator	1	set	Kawakamigawa No. 2 Hydro Power Station	Jun-2011	Nov-2011
Water turbines, Generators and their accessories	Overhaul and repairing materials for Water turbine and generator	1	set	Omiyajigawa Hydro Power Station	Oct-2011	Mar-2012
Water turbines, Generators and their accessories	Overhaul and repairing materials for Water turbine and generator	1	set	Ouchibaru Hydro Power Station	Jun-2011	Dec-2011

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Water turbines, Generators and their accessories	Overhaul and repairing materials for Water turbine and generator	1	set	Oyodogawa No. 1 Hydro Power Station	May-2011	Nov-2011
Water turbines, Generators and their accessories	Overhaul and repairing materials for Water turbine and generator	1	set	Oyodogawa No. 1 Hydro Power Station	May-2012	Nov-2012
Water turbines, Generators and their accessories	Overhaul and repairing materials for Water turbine and generator	1	set	Uchidagawa Hydro Power Station	May-2011	Feb-2012
Facilities for Hydro power stations	Annunciation system in Power station and others	1	set	Yanagimata Hydro Power Station	May-2011	Nov-2011
Facilities for Hydro power stations	Water level regulation unit and others	1	set	Otsuka Hydro Power Station	Jul-2011	Nov-2011
Facilities for Hydro power stations	Electrical and instrument parts for Overhead travelling crane and others	1	set	Kamishiiba Hydro Power Station	May-2011	Nov-2011
Facilities for Hydro power stations	Station access management system (Entrance and exit)	1	set	Kamishiiba Iji-Ryuryo Hydro Power Station	Mar-2012	Nov-2012
Switch panels	Automatic control panels and other panels	1	set	Kuwanouchi Hydro Power Station	Apr-2012	Nov-2012
Switch panels	Automatic control panels and other panels	1	set	Nanukigawa Hydro Power Station	May-2012	Dec-2012
Switch panels	Power supply panels	1	panel	Kamishiiba Iji-Ryuryo Hydro Power Station	Mar-2012	Nov-2012
Enclosed switchgears	7.2 kV, 1200 A, 12.5 kA CB for existing 7.2 kV punched-metal enclosed panel	1	set	Ozeki Hydro Power Station	Aug-2011	Feb-2012
Enclosed switchgears	7.2 kV, 30 kVA House transformer for existing switchgear	1	set	Otsuka Hydro Power Station	Jul-2011	Oct-2011
Enclosed switchgears	11 kV, 2000 A, 25 kA expanded-metal enclosed panel for Generator synchronizator	1	set	Kurokawa No. 1 Hydro Power Station	Jun-2011	Apr-2012
Enclosed switchgears	11 kV, 2000 A punched-metal enclosed panel for Instrument transformers	1	set	Kurokawa No. 1 Hydro Power Station	Jun-2011	Apr-2012
Enclosed switchgears	11 kV, 2000 A punched-metal enclosed panel for Generator busbars	1	set	Kurokawa No. 1 Hydro Power Station	Jun-2011	Apr-2012
Enclosed switchgears	11 kV, 2000 A, 25 kA punched-metal enclosed panel for House transformer	1	set	Kurokawa No. 1 Hydro Power Station	Jun-2011	Apr-2012
Enclosed switchgears	11 kV punched-metal enclosed panel for 75 kVA Earthing transformer	1	set	Kurokawa No. 1 Hydro Power Station	Jun-2011	Apr-2012
Enclosed switchgears	7.2 kV, 600 A, 12.5 kA punched-metal enclosed panel for Generator synchronizator	1	set	Uchidagawa Hydro Power Station	May-2011	Jan-2012
Enclosed switchgears	7.2 kV, 600 A punched-metal enclosed panel for Generator busbars	1	set	Uchidagawa Hydro Power Station	May-2011	Jan-2012
Enclosed switchgears	7.2 kV punched-metal enclosed panel for 30 kVA House transformer	1	set	Uchidagawa Hydro Power Station	May-2011	Jan-2012
Enclosed switchgears	7.2 kV, 600 A, 12.5 kA punched-metal enclosed panel (type B) for Generator synchronizator	1	set	Nanukigawa Hydro Power Station	Jun-2012	Dec-2012

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Enclosed switchgears	7.2 kV punched-metal enclosed panel (type B) for 75 kVA House transformer	1	set	Nanukigawa Hydro Power Station	Jun-2012	Dec-2012
Enclosed switchgears	7.2 kV punched-metal enclosed panel (type B) for Auxiliaries	1	set	Nanukigawa Hydro Power Station	Jun-2012	Dec-2012
Protection relay panels	Transformer protection panel	1	set	Kuwanouchi Hydro Power Station	Oct-2011	Jul-2012
Protection relay panels	Transformer protection panel	1	set	Murasho Hydro Power Station	Mar-2012	Jan-2013
Protection relay system	66 kV Selective and Distance relay panel	1	set	Shinohara Hydro Power Station	Nov-2011	Oct-2012
Protection relay system	66 kV Selective and Distance protection panel (Distance relay only)	1	set	Kuwanouchi Hydro Power Station	Sep-2011	Jul-2012
Protection relay system	Intertripping relay panel (master)	1	set	Hitotsuse Hydro Power Station	Nov-2011	Oct-2012
Protection relay system	Intertripping relay panel (slave)	1	set	Sugiyasu Hydro Power Station	Nov-2011	Oct-2012
Protection relay system	110 kV Selective and Distance protection panel (Distance relay only)	1	set	Sugiyasu Hydro Power Station	Nov-2011	Oct-2012
Power transformers	110/11 kV, 58 MVA Main transformer (Air forced type, Noise level: below 55 dB, Insulator type: 110-L	1	set	Morozuka Hydro Power Station	Jan-2012	Jan-2013
Instrument transformers	220 kV Potential device with 50 VA for Feeder (Insulator; 220-M)	1	set	Ohira Pumped Storage Power Station	Jun-2011	Jan-2012
Lightning Arresters	84 kV (0.03 mg/cm ²)	1	set	Oguni Hydro Power Station	Jul-2011	Nov-2011
Substation servers	IP network; Server frame x 1 (IP Communication interface, without Distribution system interface) and I/O frame x 1	1	set	Chijiwa No. 4 Hydro Power Station	Mar-2012	Jan-2013
Substation servers	CDT network; Server frame x 1, I/O frame x 1, Distribution system interface (one pair face to face by CDT)	1	set	Miyoshi Hydro Power Station	Jun-2011	Feb-2012
Mobile cubicles	22 kV, 1200 A, 25 kA feeder cubicle	1	set	Minamihata Hydro Power Station	Jun-2012	Dec-2012
Process computers for Substations	Telemeter control interface; Base frame x 1 (including I/O frames, Transmission transfer frames and others)	1	set	Kamishiiba Iji-Ryuryo Hydro Power Station	Mar-2012	Nov-2012