

Expectation of procurement in FY 2023 (the year ending March 31, 2023)
【Signaling and communication related goods】

No.	Category	Item Name	Quantity	Unit
22104	Relay equipment	Slow pick-up type relays	9	Piece
22105	Relay equipment	Slow release type relay	760	Piece
22106	Relay equipment	Track relay	710	Piece
22107	Relay equipment	Magnetic stick relay	190	Piece
22108	Relay equipment	Time element relay	670	Piece
22109	Relay equipment	CTC relay	1,810	Piece
22111	Relay equipment	Normal relay	8,110	Piece
22112	Relay equipment	Flashing relay	120	Piece
22113	Relay equipment	Low voltage relay	20	Piece
22115	Relay equipment	Polarized relay	80	Piece
22117	Relay equipment	Signal electric source switching relay	80	Piece
22121	Relay equipment	Jacking board	470	Piece
22203	Train spacing control equipment	ATS on-board antenna	130	Piece
22208	Train spacing control equipment	ATS ground coil	2,440	Piece
22220	Train spacing control equipment	ATS on-board device equipment	5	Piece
22231	Train spacing control equipment	Signal code transmitter-receiver	60	Piece
22232	Train spacing control equipment	Transponder ground coil	10	Piece
22261	Train spacing control equipment	Temporary speed restriction system	4	Set
22312	Signal device resource	Color light signal	550	Piece
22316	Signal device resource	Wayside repeating signal	4	Piece
22317	Signal device resource	Electric shunt signal	160	Piece
22341	Signal device resource	Signal control unit	10	Set
22401	Point machine equipment	Electric point machine	770	Set
22501	Electric crossing equipment	Alarm sound generator device	120	Piece
22502	Electric crossing equipment	Warning device	270	Set
22503	Electric crossing equipment	Warning light	2,370	Piece
22507	Electric crossing equipment	Electronic train detector	1,390	Piece
22509	Electric crossing equipment	Pulse transmitter-receiver	20	Piece
22511	Electric crossing equipment	Warning duration control device	110	Piece
22525	Electric crossing equipment	Large obstruction detecting device	40	Piece
22531	Electric crossing equipment	Obstruction warning device	380	Piece
22551	Electric crossing equipment	Electronic crossing gate	700	Piece
22553	Electric crossing equipment	Electronic crossing gate backup device	1,740	Piece
22561	Electric crossing equipment	Obstruction warning signal	2,560	Piece
22562	Electric crossing equipment	Controller for obstruction warning signal	630	Piece
22564	Electric crossing equipment	Obstruction warning signal supplies	970	Piece
22585	Electric crossing equipment	Level crossing controller for maintenance car	100	Piece
22587	Electric crossing equipment	Level crossing controller	120	Set
22611	Train route control device	Circuit controller	550	Piece
22613	Train route control device	Electric lock	1	Piece
22614	Train route control device	Magnetic facing point lock	2	Piece
22670	Train route control device	Interface rack	1	Piece
22680	Train route control device	Electronic block system	3	Set
22701	Track circuit equipment	Impedance bond	910	Piece
22731	Track circuit equipment	Phase shifter	20	Piece
22732	Track circuit equipment	Phase adjuster	50	Piece
22734	Track circuit equipment	Track circuit transmitter	1	Piece
22735	Track circuit equipment	Track circuit transmitter-receiver	130	Piece
22737	Track circuit equipment	Track reactor	50	Piece
22739	Track circuit equipment	Frequency multiplier	130	Piece
22740	Track circuit equipment	Frequency divider	150	Piece
22801	Other electric signal equipment	Detection device	40	Piece
22812	Other electric signal equipment	Overcurrent detector	1	Piece
22818	Other electric signal equipment	Electric signal source switching device	5	Piece
22830	Other electric signal equipment	Train protection device for set-off device	170	Piece
22850	Other electric signal equipment	Power supply	1,060	Set
22851	Other electric signal equipment	Automatic voltage regulator (AVR) for signal	6	Set
23134	Telephone terminal device equipment	Automatic announcement system	20	Set

23301	Data communication terminal device equipment	Data transmitter-receiver	10	Set
23320	Data communication terminal device equipment	Data depot ground coil	190	Piece
23407	Mobile radio communication device equipment	Handheld transceiver	1	Set
23413	Mobile radio communication device equipment	Radio control device	3	Set
23543	Remote indicator device equipment	ITV device	10	Piece
23605	Transmission device equipment	Portable telephone terminal device	40	Set
23702	Switching equipment	Telephone switching device	9	Set
23821	Computer equipment	Facility management system	20	Set
23990	Other communication equipment	Communication facility measurement device	90	Set