

Phụ lục Phạm vi công việc vật tư dự phòng hệ thống điều khiển turbine - máy phát
(Đính kèm Công văn sốNMĐTB2-KTATMT ngày.....tháng 10 năm 2024)

Item No.	TTDV Item No.	Group	Name of Equipment/Element	Specification	Qty	Unit
1	EHC-080	DEHC	MILL CABLE (S) 20 PINS 6.5m		5	pc
2	EHC-081	DEHC	MILL CABLE (R) 20 PINS 6.5m		5	pc
3	EHC-082	DEHC	MILL CABLE (S) 40 PINS 5.5m		5	pc
4	EHC-083	DEHC	MILL CABLE (S) 20 PINS 4.0m		5	pc
5	EHC-084	DEHC	MILL CABLE (R) 20 PINS 4.0m		5	pc
6	EHC-085	DEHC	MILL CABLE (S) 40 PINS 4.0m		5	pc
7	EHC-086	DEHC	I/O TERMINAL (for analog output, SC)	CTCW03G01	1	pc
8	EHC-088	DEHC	RELAY UNIT	U-CN U-RY RELAY UNIT-19INCH	1	pc
9	EHC-088	DEHC	CONNECTOR UNIT	U-CN TICNP3	1	pc
10	EHC-089	DEHC	RS-232C CABLE TSI-EHC COMMUNICATION	(D-sub25P)-(D-sub15P) 5m	1	pc
11	EHC-090	DEHC	RS-422 CABLE TSI INTERNAL COMMUNICATION		1	pc
12	EHC-091	DEHC	OPTICAL FIBER CORD (SC COMMUNICATION)	TOCP200HVQ-2.5MB 2.5M	1	pc
13	EHC-092	DEHC	DEVICE NET CONNECTION (for Thermocouple)	DCN1-1	1	pc
14	EHC-093	DEHC	CONNECTION CABLE DEVICE NET MODULE (DCN1-1 & DRT2-TS04T)		1	pc
15	EHC-094	DEHC	TEST TERMINAL UNIT	U-TT U-TT EVCT01-35	1	set
16	AVR-001	AVR	CENTRAL PROCESSING PCB	CPUX01G001	1	PC
17	AVR-002	AVR	NETWORK COMMUNICATION CONTROL PCB	ETMX01G001	1	PC
18	AVR-003	AVR	DEVICENET INTERFACE PCB	LBIW01G021	1	PC
19	AVR-004	AVR	SYSTEM BUS CONTROL PCB	COMW01G021	1	PC
20	AVR-005	AVR	PROCESS I/O CONTROL BUFFER PCB	IOBW01G021	1	PC
21	AVR-006	AVR	ANALOG INPUT PCB	AICW01G022	1	PC
22	AVR-007	AVR	ANALOG OUTPUT PCB	AOCW01G022	1	PC
23	AVR-008	AVR	DIGITAL INPUT PCB	DICW01G021	1	PC
24	AVR-009	AVR	DIGITAL OUTPUT PCB	DOCW01G021	1	PC
25	AVR-010	AVR	CENTRAL PROCESSING PCB	CPUX02G001	1	PC
26	AVR-013	AVR	FAN UNIT	APX FAN4KG1-19 INCH	1	PC
27	AVR-014	AVR	ISOLATION UNIT	PCT29G001	1	PC
28	AVR-015	AVR	POWER SUPPLY UNIT	MEP-TAJ221	1	SET
29	AVR-024	AVR	FUSE	NRF5-30 3A-250VDC/500VA	1	PC
30	AVR-026	THY	COOLING FAN	PD-20BG 0.75kW 1.6A 3PH AC400V 50HZ	3	PC



31	AVR-027	THY	THYRISTOR FUSE	12.5URD273TTF1600 11URD273TTF1600	6	PC
32	AVR-028	THY	AUXILIARY FUSE	NRF5-30 10A	1	PC
33	AVR-029	THY	AUXILIARY FUSE	NRF5-30 5A	1	PC
34	AVR-030	THY	PLA	PLA23	2	PC
35	AVR-031	THY	THYRISTOR TRAY	KSBR-043A KSBR-043E	2	PC
36	AVR-032	THY	AIR FILTER	500X500X25 PS400	3	PC
37	AVR-036	FCB	LED	TSPA-DC220-RB (S)	1	PC
38	AVR-037	FCB	LED	TSPA-DC220-GB (S)	1	PC
39	AVR-038	AVR	ANALOG OUTPUT BOARD	AOGW01G003	1	PC
40	AVR-046	AVR	MCCB	SS30G-2P10AB AC 10A BW32SAG-2P010X	2	PC
41	AVR-047	AVR	MCCB	SS30G-D-2P10AB DC 10A BW32SAG-2P010X C2	1	PC
42	AVR-048	AVR	MCCB	SS30G-D-2P5AB DC 5A BW32SAG-2P005X C2	1	PC
43	AVR-049	AVR	MCCB	SS30G-2P5AB AC 5A BW32SAG-2P005X	1	PC
44	AVR-050	AVR	AUXILIARY TRANSFORMER	F-500-Z 230V/220V 500VA	1	PC
45	AVR-051	GCP	AUXILIARY TRANSFORMER	230V/220V 300VA 230V/110V 300VA	1	PC
46	AVR-052	AVR	LINE FILTER	RSHN-2010 250V 10A	2	PC
47	AVR-053	AVR	I/O TERMINAL (ANALOG OUTPUT)	CTCW01G01	1	PC
48	AVR-055	AVR	EXCLUSIVE CABLE (MIL CABLE)	10P 2.5m(S)	1	PC
49	AVR-056	AVR	EXCLUSIVE CABLE (MIL CABLE)	20P 1.5m(S)	1	PC
50	AVR-057	AVR	EXCLUSIVE CABLE (MIL CABLE)	20P 2.0m(S)	2	PC
51	AVR-058	AVR	EXCLUSIVE CABLE (MIL CABLE)	20P 2.5m(S)	1	PC
52	AVR-059	AVR	EXCLUSIVE CABLE (MIL CABLE)	20P 4.5m(S)	1	PC
53	AVR-060	AVR	EXCLUSIVE CABLE (MIL CABLE)	20P 5.0m(S)	1	PC
54	AVR-061	AVR	EXCLUSIVE CABLE (MIL CABLE)	20P 6.0m(S)	1	PC
55	AVR-062	AVR	EXCLUSIVE CABLE (MIL CABLE)	40P 2.0m(S)	1	PC
56	AVR-063	AVR	EXCLUSIVE CABLE (MIL CABLE)	40P 2.5m(S)	1	PC
57	AVR-064	AVR	EXCLUSIVE CABLE (MIL CABLE)	40P 4.0m(S)	1	PC
58	AVR-065	GCP	I/O TERMINAL (ANALOG INPUT)	CTCW01G02	1	PC
59	AVR-066	GCP	I/O TERMINAL (ANALOG INPUT)	CTCW02G03	2	PC
60	AVR-067	GCP	I/O TERMINAL (ANALOG OUTPUT)	CTCW03G01	2	PC
61	AVR-068	GCP	I/O TERMINAL (DIGITAL INPUT)	CTCW08G41	1	PC
62	AVR-070	GCP	AUTO SYNCHRO RELAY	ASY-96-A4	1	PC
63	AVR-071	GCP	SYNCHRONISM CHECK RELAY	CSY-96	1	PC
64	AVR-072	GCP	AUXILIARY PT	1E39 110V/110V 50VA	1	PC



65	AVR-076	FCB	MCCB	SS30G-2P AC 3A BW32SAG-2P003	1	PC
66	AVR-077	FCB	AUXILIARY TRANSFORMER	230V/110V 300VA 230V/110V 100VA	1	PC
67	AVR-078	FCB	FUSE	BLA003 3A	1	PC
68	AVR-079	FCB	GROUND FAULT FIELD RELAY	TCR5D-AT1101	2	SET
69	AVR-080	FCB	TRANSDUCER	MIV-11AXF 0-800V / 4-20mA	1	PC
70	AVR-081	FCB	TRANSDUCER	MIV-21AX 0-50mV (0-7500A) / 4-2	1	PC
71	AVR-083	THY	FUSE	NRF5-30 3A	1	PC
72	AVR-085	THY	LINE FILTER	NF2010A-OD8 250V 10A	1	PC
73	AVR-086	THY	AUXILIARY TRANSFORMER	230V/175V 1PH 500VA	1	PC
74	AVR-087	DC-MCC	DC Contactor	CD233-FAS4	4	PC
75	AVR-088	DC-MCC	DC Contactor	CD233-EAS4	2	PC
76	AVR-089	DC-MCC	DC Contactor	CD234-JAS4	2	PC
77	AVR-090	DC-MCC	DC Contactor	CD234-HAS4	4	PC
78	EHC-001	GEN	POWER SUPPLY UNIT (for Cabinet A)	MEP-TAJ237	1	set
79	EHC-002	GEN	POWER SUPPLY UNIT (for Cabinet B)	MEP-TAJ223	1	set
80	EHC-003	GEN	POWER SUPPLY UNIT (for Cabinet C)	MEP-TAJ135	1	set
81	EHC-004	GEN	POWER SUPPLY UNIT (for Cabinet D)	MEP-TAJ307	1	set
82	EHC-005	SC	CENTRAL PROCESSING PCB FOR MC	CPUX02G001	1	pc
83	EHC-006	TRIP	NETWORK COMMUNICATION CONTROL PCB	ETMX01G001	1	pc
84	EHC-007	GEN	DEVICE NET INTERFACE PCB	LBW01G021	1	pc
85	EHC-008	MC	SYSTEM BUS CONTROL PCB	COMW01G021	2	pc
86	EHC-009	MC	PROCESS I/O CONTROL BUFFER PCB	IOBW01G021	1	pc
87	EHC-010	MC	ANALOG INPUT PCB FOR MC	AIGW01G015	1	pc
88	EHC-011	MC	ANALOG OUTPUT PCB FOR MC	AOGW01G003	1	pc
89	EHC-012	SC	DIGITAL INPUT PCB FOR MC	DICW01G031	1	pc
90	EHC-013	SC	DIGITAL OUTPUT PCB FOR MC	DOCW01G031	1	pc
91	EHC-014	MC	MODBUS INTERFACE PCB	MIFW01G021	1	pc
92	EHC-015	SC	CENTRAL PROCESSING PCB FOR SC	CPUX01G001	1	pc
93	EHC-016	MC	FRQUENCY TO DIGITAL CONVERTER PCB	FDCW01G001	1	pc
94	EHC-017	MC/TRIP	ANALOG INPUT PCB FOR SC	AICW01G022	1	pc
95	EHC-018	MC	ANALOG OUTPUT PCB FOR SC	AOCW01G022	1	pc
96	EHC-019	MC/TRIP	DIGITAL INPUT PCB FOR SC	DICW01G021	2	pc
97	EHC-020	TRIP	DIGITAL OUTPUT PCB FOR SC	DOCW01G021	1	pc
98	EHC-021	SC	TRIP LOGIC PCB	SSLW01G001	1	pc
99	EHC-022	MC	VALVE INTERFACE PCB	PAPW01G001	1	pc
100	EHC-023	MC	Fan Unit	APX FAN4KG001	1	pc
101	EHC-025	MC	LVDT INTERFACE MODULE(for MSV)	VM-21P1-25S2001 (200mm/1-5V)	2	pc
102	EHC-026	MC	LVDT INTERFACE MODULE(for CV)	VM-21P1-24S1501(150mm/1-5V)	2	pc
103	EHC-027	MC	LVDT INTERFACE MODULE(for RSV)	VM-21P1-27S3001 (300mm/1-5V)	2	pc
104	EHC-028	TRIP	LVDT INTERFACE MODULE(for ICV)	VM-21P1-26S2501 (250mm/1-5V)	2	pc
105	EHC-029	MC	I/O TERMINAL (for analog input ,SC)	CTCW02G01	2	pc
106	EHC-030	MC	I/O TERMINAL (for analog input ,SC)	CTCW02G03	2	pc
107	EHC-031	GEN	I/O TERMINAL (for analog input ,internal of MC)	CTCW02G41	2	pc
108	EHC-032	GEN	I/O TERMINAL (for digital input,SC)	CTCW04G36	2	pc
109	EHC-033	GEN	I/O TERMINAL (for digital output,internal /digital output,MC)	CTCW06G001	2	pc
110	EHC-034	GEN	I/O TERMINAL (for digital input,MC/External input)	CTCW04G61	2	pc
111	EHC-035	GEN	I/O TERMINAL (for digital output,MC)	CTCW07G43	2	pc
112	EHC-036	GEN	I/O TERMINAL (for digital output,internal of MC)	CNCV01	2	pc
113	EHC-037	GEN	I/O TERMINAL (for digital input,internal)	CTCW08G061	2	pc
114	EHC-038	GEN	I/O TERMINAL (for digital output,SC)	CTCW05G012	2	pc
115	EHC-043	GEN	ANALOG INPUT WITH MIDDLE VALUE GATE (3 Input Isolation Amp)	REGP-1T-4N-8	1	pc
116	EHC-044	GEN	ISOLATOR AMPLIFIER	M8YV-AXX-R-X 4-20mA/1-9V	1	pc
117	EHC-045	GEN	THERMOCOUPLE AMPLIFIER(for 0-150degC)	M8TS-3XX-R/BL-X(0-150degC/32-302degF/1-5V)	1	pc
118	EHC-046	GEN	THERMOCOUPLE AMPLIFIER(for 0-400degC)	M8TS-3XX-R/BL-X(0-400degC/32-752degF/1-5V)	1	pc
119	EHC-047	GEN	THERMOCOUPLE AMPLIFIER(for 0-600degC)	M8TS-3XX-R/BL-X(0-600degC/32-1112degF/1-5V)	1	pc
120	EHC-048	GEN	D-EHC TRANSFORMER	TSB-P005 1KVA 5A	1	pc
121	EHC-049	GEN	MW TRANSDUCER	EGM-13A-99-5,1000W/1-5V	1	pc
122	EHC-050	GEN	FREQUENCY TRANSDUCER	FGS-1A-99-5,48-52Hz:1-5V	1	pc
123	EHC-051	GEN	LINE FILTER(for 250VAC,30A)	NF2030A-OD8 250VAC 30A	1	pc

124	EHC-052	GEN	LINE FILTER(for 250VAC,10A)	NF2010A-0D 250VAC 10A	1	pc
125	EHC-053	GEN	LINE FILTER(for 250VAC,5A)	NF2005A-OD8 250VAC 5A	1	pc
126	EHC-062	GEN	D-EHC CP(MCCB) 50A	BW50RAG-2P050	1	pc
127	EHC-063	GEN	D-EHC CP(MCCB) 10A	BW32SAG-2P010	1	pc
128	EHC-064	GEN	D-EHC CP(MCCB) 5A	BW32SAG-2P005	1	pc
129	EHC-065	GEN	D-EHC CP(MCCB) 50A	BW50RAG-2P050 C2	1	pc
130	EHC-066	GEN	D-EHC CP(MCCB) 5A	BW32SAG-2P005 C2	1	pc

