Appendix A – Major Equipment List

Tender No. 805-2019 RDS System SCADA System Upgrade, PLC Replacement and Power Reliability Upgrades

Appendix A - Major Equipment List

ID	DESCRIPTION	PRODUCT LINE	PART	QUANTITY	SPARE PARTS	TOTAL PARTS	LAMACOID	SHOP DRAWINGS	SPECIFICATION SECTION
1	Network Switch - Main Control Panel	Siemens RUGGEDCOM	RX1510	4	1	5	Y	Y	29 30 11
2	Network Switch - Local Control Panel	Siemens RUGGEDCOM	RS900G	27	3	30	Y	Y	29 30 11
3	Network Switch - Rack Mount	Siemens RUGGEDCOM	RST2228	6	1	7	Y	Y	29 30 11
4	LTE Cellular Modem	Siemens RUGGEDCOM	RM1224	5	1	6	Y	Y	29 30 11
5	PLC Rack - 4 Slot	Schneider Modicon M580	BME XBP 0400	15	3	18	Y	Y	29 40 51
6	PLC Rack - 8 Slot	Schneider Modicon M580	BME XBP 0800	42	5	47	Y	Y	29 40 51
7	PLC Rack - 12 Slot	Schneider Modicon M580	BME XBP 1200	23	3	26	Y	Y	29 40 51
8	PLC Rack Expansion Kit	Schneider Modicon M580	BMX XBE 2005	30	3	33	N	Y	29 40 51
9	PLC Power Supply	Schneider Modicon M580	BMX CPS 3500	80	8	88	N	Y	29 40 51
10	PLC Hot Standby Processor	Schneider Modicon M580	BME H58 6040	12	2	14	N	Y	29 40 51
11	PLC Processor	Schneider Modicon M580	BME P58 6040	20	2	22	N	Y	29 40 51
12	PLC Ethernet Communication Card	Schneider Modicon M580	BME NOC 0301	12	2	14	N	Y	29 40 51
13	PLC Performance EIO Drop Card	Schneider Modicon M580	BME CRA 312 10	18	2	20	N	Y	29 40 51
14	PLC Fibre Optic Repeater	Schneider Modicon M580	BMX NRP 0200	13	2	15	N	Y	29 40 51
15	PLC Analog Input Card 4PT	Schneider Modicon M580	BMX AMI 0410	55	6	61	N	Y	29 40 51
16	PLC Analog Output Card 2PT	Schneider Modicon M580	BMX AMO 0210	48	6	54	N	Y	29 40 51
17	PLC Discrete Input Card 120VAC, 16PT	Schneider Modicon M580	BMX DAI 1604	129	12	141	N	Y	29 40 51
18	PLC Discrete Input Card 24VDC, 16PT	Schneider Modicon M580	BMX DDI 1602	22	3	25	N	Y	29 40 51
19	PLC Discrete Input Card 24VDC, 32PT	Schneider Modicon M580	BMX DDI 3202K	1	1	2	N	Y	29 40 51
20	PLC Discrete Relay Output Card 24VDC / 120VAC, 8PT	Schneider Modicon M580	BMX DRA 0805	104	10	114	N	Y	29 40 51
21	PLC Discrete Output Card 24VDC, 16PT	Schneider Modicon M580	BMX DDO 1602	5	1	6	N	Y	29 40 51
22	PLC Quick Wiring Adapter (BMX AMI0 410)	Schneider Modicon M580	990XSM00208	55	0	55	N	Y	29 40 51
23	PLC Quick Wiring Adapter (BMX AMO 0210)	Schneider Modicon M580	990XSM00212	48	0	48	N	Y	29 40 51
24	PLC Quick Wiring Adapter (BMX DAI 1604)	Schneider Modicon M580	990XSM00213	129	0	129	N	Y	29 40 51
25	PLC Quick Wiring Adapter (BMX DRA 0805, BMX DDI 1602, BMX DDO 1602)	Schneider Modicon M580	990XSM00206	131	0	131	N	Y	29 40 51
26	Quantum PLC Remote IO Drop	Schneider Modicon M580	140 CRA 312 00	5	1	6	N	Y	29 40 51
27	Quantum PLC Fibre Optic Repeater	Schneider Modicon M580	140 NRP 321 00	3	1	4	N	Y	29 40 51
28	PMCM System Rack (11 slot)	Emerson AMS 6500 ATG	A6500-SR	22	1	23	Y	Y	29 40 52
29	PMCM System Rack with Front Terminal Connectors (6 slot)	Emerson AMS 6500 ATG	A6500-FR	3	1	4	Y	Y	29 40 52
30	PMCM Communication Card	Emerson AMS 6500 ATG	A6500-CC	25	1	26	Y	Y	29 40 52
31	PMCM Temperature Measurement Card	Emerson AMS 6500 ATG	A6500-TP	57	5	62	Y	Y	29 40 52
32	PMCM Universal (Vibration/Acceleration) Measurement Card	Emerson AMS 6500 ATG	A6500-UM	66	5	71	Y	Y	29 40 52
33	PMCM Relay Output Card	Emerson AMS 6500 ATG	A6500-RC	25	2	27	Y	Y	29 40 52
34	PMCM Redundant Power Supply	Emerson AMS 6500 ATG	A6068	25	2	27	Y	Y	29 40 52
35	HMI 12.1" Screen	Schneider Harmony GTU	HMIDT642	30	2	32	Y	Y	29 40 01
36	HMI Base Unit	Schneider Harmony GTU	HMIG3U	30	2	32	N	Y	29 40 01
37	Motor Protection Relay	GE Multilin	869	12	1	13	Y	Y	26 18 39.01
38	Potential Transformer 2400V:120V	GE	PT3	36	3	39	N	Y	26 22 19
39	Power Meter	Schneider Electric PowerLogic	ION9000	2	0	2	Y	Y	26 09 23.01
40	Panelboard	Square D	MVP NQ	1	0	1	Y	Y	26 24 17
41	Engineering Workstation			3	0	3	Y	Y	29 40 01
42	Thick Client			7	0	7	Y	Y	29 40 01
43	Thin Client			17	0	17	Y	Y	29 40 01
44	SCADA Host Server	HPE ProLiant	DL380 G10	4	0	4	Y	Y	29 40 01
45	SCADA Backup Server	HPE ProLiant	DL380 G10	1	0	1	Y	Y	29 40 01
46	SCADA SAN Storage	HPE MSA	2052	1	0	1	Y	Y	29 40 01

Notes:

This Appendix A - Major Equipment List is intended to provide a summary of the major equipment noted throughout the Contract Documents. However, this Appendix A - Major Equipment List should not be considered an exhausitve list as only select major equipment has been identified. This Appendix A - Major Equipment List is for informational purposes only and the Contractor shall be responsible to conform to the requirements of the Contract Documents, including verification of equipment quantities. In the case of a discrepancy between this Appendix A - Major Equipment list and the Contract Documents, the Contract Documents shall govern.