
		LISTA DE SEÑALES										
		ANEXO 3										
		PROYECTO:		EVALUACIÓN Y TDR DE MODERNIZACION DEL SISTEMA DE CONTROL								
		CLIENTE:		EGEMSA		CODIGO:		TES_EGM_2020_07_LS				
I. DATOS GENERALES												
SISTEMA:		SISTEMA DE CONTROL FASE I				SUB SISTEMA:		SISTEMA DE CONTROL DE UNIDAD				
HARDWARE:		PLC MAIN AUXILIARES				FUENTE:		APLICACIÓN PLC				
TIPO:		HARDWARE INPUTS / LOGICALS										
II. TABLA DE DATOS												
ITEM	ADDRESS	MNEMONIC	LABEL	STATE 1	TO CTRL	LOG	VAR REF	STD	TO MMI	TO S8000-E	TO F8000	LOCATION
1	%I0001	li_20kkl001az_r0_sl5	POLARIDAD MA	PRESENC	S		20KKL001AZ_R0	12	S			RACK:0 SLOT:05 POINT:01
2	%I0002	li_20kkl001az_sincro	SEÑAL DE SINC	PRESENC			20KKL001AZ_SI	2				RACK:0 SLOT:05 POINT:02
3	%I0003	li_20kkl001az_r1_sl6	POLARIDAD RA	PRESENC	S		20KKL001AZ_R1	12	S			RACK:0 SLOT:05 POINT:03
4	%I0004	li_20kkl001az_r1_sl7	POLARIDAD RA	PRESENC	S		20KKL001AZ_R1	12	S			RACK:0 SLOT:05 POINT:04
5	%I0005	li_20kkl001se_local	SELECTOR NIV	REMOTO			20KKL001SE_L0	2	S			RACK:0 SLOT:05 POINT:05
6	%I0006	li_20kkl001az_rs2_fa	SWITCH ETHER	NORMAL	S		20KKL001AZ_RS	12	S			RACK:0 SLOT:05 POINT:06
7	%I0007	li_20kkl101jd_estd	INT. LLEGADA	CERRADO	S		20KKL101JD_ES	22	S			RACK:0 SLOT:05 POINT:07
8	%I0008	li_20kkl904jd_estd	INT. VENTILAD	CERRADO	S		20KKL904JD_ES	22	S			RACK:0 SLOT:05 POINT:08
9	%I0009	li_20gta001ar_fa	EQUIPO SENS	FALLA	S		20GTA001AR_F	21	S			RACK:0 SLOT:05 POINT:09
10	%I0010	li_20jdt001ar_al	SISTEMA DE DA	ALARMA	S		20JDT001AR_AL	11	S			RACK:0 SLOT:05 POINT:10
11	%I0011							1				RACK:0 SLOT:05 POINT:11
12	%I0012							1				RACK:0 SLOT:05 POINT:12
13	%I0013							1				RACK:0 SLOT:05 POINT:13
14	%I0014							1				RACK:0 SLOT:05 POINT:14
15	%I0015							1				RACK:0 SLOT:05 POINT:15
16	%I0016							1				RACK:0 SLOT:05 POINT:16
17	%I0017	li_20dvm001ji_cerr	20DVM001 TB	CERRADO	S		20DVM001JI_CE	2	S			RACK:0 SLOT:05 POINT:17
18	%I0018	li_20dvm002ji_cerr	20DVM002 TB	CERRADO	S		20DVM002JI_CE	2	S			RACK:0 SLOT:05 POINT:18
19	%I0019	li_20dvm003jd_estd	INT. COMPRES	CERRADO	S		20DVM003JD_E	2	S			RACK:0 SLOT:05 POINT:19
20	%I0020	li_20dvm003jd_fa	INT. COMPRES	FALLA	S		20DVM003JD_F	21	S			RACK:0 SLOT:05 POINT:20
21	%I0021							1				RACK:0 SLOT:05 POINT:21
22	%I0022	li_20dvm004jd_estd	INT. REGULACI	CERRADO	S		20DVM004JD_E	2	S			RACK:0 SLOT:05 POINT:22
23	%I0023	li_20dvm004jd_fa	INT. REGULACI	FALLA	S		20DVM004JD_F	21	S			RACK:0 SLOT:05 POINT:23
24	%I0024							1				RACK:0 SLOT:05 POINT:24
25	%I0025							1				RACK:0 SLOT:05 POINT:25
26	%I0026							1				RACK:0 SLOT:05 POINT:26
27	%I0027							1				RACK:0 SLOT:05 POINT:27
28	%I0028	li_20dvm003jc_estd	INT. VENTILAD	CERRADO	S		20DVM003JC_E	2	S			RACK:0 SLOT:05 POINT:28
29	%I0029	li_20dvm003jc_fa	INT. VENTILAD	FALLA	S		20DVM003JC_F	21	S			RACK:0 SLOT:05 POINT:29
30	%I0030	li_20dvm003jc_rem	INT. VENTILAD	REMOTO	S		20DVM003JC_R	2	S			RACK:0 SLOT:05 POINT:30
31	%I0031							1				RACK:0 SLOT:05 POINT:31
32	%I0032							1				RACK:0 SLOT:05 POINT:32
33	%I1505	li_20kkl001_r0_sl6	POLARIDAD MA	PRESENC	S		20KKL001_R0_S	12	S			RACK:0 SLOT:06 POINT:01
34	%I1506	li_20dvm004jc_estd	INT. VENTILAD	CERRADO	S		20DVM004JC_E	2	S			RACK:0 SLOT:06 POINT:02
35	%I1507	li_20dvm004jc_fa	INT. VENTILAD	FALLA	S		20DVM004JC_F	21	S			RACK:0 SLOT:06 POINT:03
36	%I1508	li_20dvm004jc_rem	INT. VENTILAD	REMOTO	S		20DVM004JC_R	2	S			RACK:0 SLOT:06 POINT:04
37	%I1509	li_20dvm005jc_estd	INT. VENTILAD	CERRADO	S		20DVM005JC_E	2	S			RACK:0 SLOT:06 POINT:05
38	%I1510	li_20dvm005jc_fa	INT. VENTILAD	FALLA	S		20DVM005JC_F	21	S			RACK:0 SLOT:06 POINT:06
39	%I1511	li_20dvm005jc_rem	INT. VENTILAD	REMOTO	S		20DVM005JC_R	2	S			RACK:0 SLOT:06 POINT:07
40	%I1512	li_20dvm006jc_estd	INT. VENTILAD	CERRADO	S		20DVM006JC_E	2	S			RACK:0 SLOT:06 POINT:08
41	%I1513	li_20dvm006jc_fa	INT. VENTILAD	FALLA	S		20DVM006JC_F	21	S			RACK:0 SLOT:06 POINT:09
42	%I1514	li_20dvm006jc_rem	INT. VENTILAD	REMOTO	S		20DVM006JC_R	2	S			RACK:0 SLOT:06 POINT:10
43	%I1515	li_20dvm005jd_estd	INT. VENTIL. BA	CERRADO	S		20DVM005JD_E	2	S			RACK:0 SLOT:06 POINT:11
44	%I1516	li_20dvm005jd_fa	INT. VENTIL. BA	FALLA	S		20DVM005JD_F	21	S			RACK:0 SLOT:06 POINT:12
45	%I1517							1				RACK:0 SLOT:06 POINT:13



46	%I1518	li_20dvm006jd_estd	INT. VENTIL. SA	CERRADO	S	20DVM006JD_E	2	S				RACK:0 SLOT:06 POINT:14
47	%I1519	li_20dvm006jd_fa	INT. VENTIL. SA	FALLA	S	20DVM006JD_F	21	S				RACK:0 SLOT:06 POINT:15
48	%I1520						1					RACK:0 SLOT:06 POINT:16
49	%I1521	li_20dvm011jc_estd	INT. BOMBA 1 A	CERRADO	S	20DVM011JC_E	2	S				RACK:0 SLOT:06 POINT:17
50	%I1522	li_20dvm011jc_fa	INT. BOMBA 1 A	FALLA	S	20DVM011JC_F	21	S				RACK:0 SLOT:06 POINT:18
51	%I1523	li_20dvm011jc_rem	INT. BOMBA 1 A	REMOTO	S	20DVM011JC_R	2	S				RACK:0 SLOT:06 POINT:19
52	%I1524	li_20dvm012jc_estd	INT. BOMBA 2 A	CERRADO	S	20DVM012JC_E	2	S				RACK:0 SLOT:06 POINT:20
53	%I1525	li_20dvm012jc_fa	INT. BOMBA 2 A	FALLA	S	20DVM012JC_F	21	S				RACK:0 SLOT:06 POINT:21
54	%I1526	li_20dvm012jc_rem	INT. BOMBA 2 A	REMOTO	S	20DVM012JC_R	2	S				RACK:0 SLOT:06 POINT:22
55	%I1527	li_20srb001jc_estd	INT. BOMBA 1 A	CERRADO	S	20SRB001JC_E	2	S				RACK:0 SLOT:06 POINT:23
56	%I1528	li_20srb001jc_fa	INT. BOMBA 1 A	FALLA	S	20SRB001JC_F	21	S				RACK:0 SLOT:06 POINT:24
57	%I1529	li_20srb001jc_rem	INT. BOMBA 1 A	REMOTO	S	20SRB001JC_R	2	S				RACK:0 SLOT:06 POINT:25
58	%I1530	li_20srb002jc_estd	INT. BOMBA 2 A	CERRADO	S	20SRB002JC_E	2	S				RACK:0 SLOT:06 POINT:26
59	%I1531	li_20srb002jc_fa	INT. BOMBA 2 A	FALLA	S	20SRB002JC_F	21	S				RACK:0 SLOT:06 POINT:27
60	%I1532	li_20srb002jc_rem	INT. BOMBA 2 A	REMOTO	S	20SRB002JC_R	2	S				RACK:0 SLOT:06 POINT:28
61	%I1533						1					RACK:0 SLOT:06 POINT:29
62	%I1534						1					RACK:0 SLOT:06 POINT:30
63	%I1535						1					RACK:0 SLOT:06 POINT:31
64	%I1536	li_20dvm101_yu_min_ten	TENSION BARR	MINIMO	S	20DVM101_YU_	21	S				RACK:0 SLOT:06 POINT:32
65	%I1537	li_20kki001az_r0_sl7	POLARIDAD MA	PRESENC	S	20KKL001AZ_R	12	S				RACK:0 SLOT:07 POINT:01
66	%I1538	li_20dvm007jd_estd	INT. COMPRES	CERRADO	S	20DVM007JD_E	2	S				RACK:0 SLOT:07 POINT:02
67	%I1539	li_20dvm007jd_fa	INT. COMPRES	FALLA	S	20DVM007JD_F	11	S				RACK:0 SLOT:07 POINT:03
68	%I1540						1					RACK:0 SLOT:07 POINT:04
69	%I1541	li_20dvm001va_100	REGISTRO 001	DETECT	S	20DVM001VA_1	2	S				RACK:0 SLOT:07 POINT:05
70	%I1542	li_20dvm001va_50	REGISTRO 001	DETECT	S	20DVM001VA_5	2	S				RACK:0 SLOT:07 POINT:06
71	%I1543						1					RACK:0 SLOT:07 POINT:07
72	%I1544	li_20dvm002va_100	REGISTRO 002	DETECT	S	20DVM002VA_1	2	S				RACK:0 SLOT:07 POINT:08
73	%I1545	li_20dvm002va_50	REGISTRO 002	DETECT	S	20DVM002VA_5	2	S				RACK:0 SLOT:07 POINT:09
74	%I1546						1					RACK:0 SLOT:07 POINT:10
75	%I1547	li_20dvm010va_ab	REGISTRO 010	ABIERTO	S	20DVM010VA_A	2	S				RACK:0 SLOT:07 POINT:11
76	%I1548	li_20dvm010va_cerr	REGISTRO 010	CERRADO	S	20DVM010VA_C	2	S				RACK:0 SLOT:07 POINT:12
77	%I1549	li_20dvm011va_ab	REGISTRO 011	ABIERTO	S	20DVM011VA_A	2	S				RACK:0 SLOT:07 POINT:13
78	%I1550	li_20dvm011va_cerr	REGISTRO 011	CERRADO	S	20DVM011VA_C	2	S				RACK:0 SLOT:07 POINT:14
79	%I1551	li_20dvm008va_ab	REGISTRO 008	ABIERTO	S	20DVM008VA_A	2	S				RACK:0 SLOT:07 POINT:15
80	%I1552	li_20dvm008va_cerr	REGISTRO 008	CERRADO	S	20DVM008VA_C	2	S				RACK:0 SLOT:07 POINT:16
81	%I1553	li_20dvm009va_ab	REGISTRO 009	ABIERTO	S	20DVM009VA_A	2	S				RACK:0 SLOT:07 POINT:17
82	%I1554	li_20dvm009va_cerr	REGISTRO 009	CERRADO	S	20DVM009VA_C	2	S				RACK:0 SLOT:07 POINT:18
83	%I1555	li_20dvm007va_ab	REGISTRO 007	ABIERTO	S	20DVM007VA_A	2	S				RACK:0 SLOT:07 POINT:19
84	%I1556	li_20dvm007va_cerr	REGISTRO 007	CERRADO	S	20DVM007VA_C	2	S				RACK:0 SLOT:07 POINT:20
85	%I1557	li_20dvm_reg1_13c	TEMPERATURA	DETECT	S	20DVM_REG1_1	2	S				RACK:0 SLOT:07 POINT:21
86	%I1558	li_20dvm007st_alta	TEMP. BATERIA	ALTO	S	20DVM007ST_A	21	S				RACK:0 SLOT:07 POINT:22
87	%I1559	li_20dvm008st_alta	TEMP. BATERIA	ALTO	S	20DVM008ST_A	21	S				RACK:0 SLOT:07 POINT:23
88	%I1560	li_20dvm001jd_ab	INT. ALIMENT. 2	ABIERTO	S	20DVM001JD_A	11	S				RACK:0 SLOT:07 POINT:24
89	%I1561	li_20dem001gf_fa	GRUPO FRIGOR	FALLA	S	20DEM001GF_F	21	S				RACK:0 SLOT:07 POINT:25
90	%I1562	li_20dvm011jc_autor	MANDO BOMBA	AUTORIZ	S	20DVM011JC_A	2					RACK:0 SLOT:07 POINT:26
91	%I1563	li_20dem002gf_fa	GRUPO FRIGOR	FALLA	S	20DEM002GF_F	21	S				RACK:0 SLOT:07 POINT:27
92	%I1564	li_20dvm004st_temp	TEMP. AIRE LO	ALTO	S	20DVM004ST_T	21	S				RACK:0 SLOT:07 POINT:28
93	%I1565	li_20dvm005st_temp	TEMP. AIRE SA	ALTO	S	20DVM005ST_T	21	S				RACK:0 SLOT:07 POINT:29
94	%I1566	li_20dvm001st_sobre_t	TEMP. BATERIA	MUY-ALTO	S	20DVM001ST_S	21	S				RACK:0 SLOT:07 POINT:30
95	%I1567	li_20dvm002st_sobre_t	TEMP. BATERIA	MUY-ALTO	S	20DVM002ST_S	21	S				RACK:0 SLOT:07 POINT:31
96	%I1568	li_20dvm012jc_autor	MANDO BOMBA	AUTORIZ	S	20DVM012JC_A	2					RACK:0 SLOT:07 POINT:32
97	%I1569	li_20kki001az_r0_sl8	POLARIDAD MA	PRESENC	S	20KKL001AZ_R	12	S				RACK:0 SLOT:08 POINT:01
98	%I1570	li_20dvm001sp_estd	PRESION VENT	DETECT	S	20DVM001SP_E	2	S				RACK:0 SLOT:08 POINT:02
99	%I1571	li_20dvm002sp_estd	PRESION VENT	DETECT	S	20DVM002SP_E	2	S				RACK:0 SLOT:08 POINT:03
100	%I1572	li_20dvm003sp_estd	PRESION VENT	DETECT	S	20DVM003SP_E	2	S				RACK:0 SLOT:08 POINT:04
101	%I1573	li_20dvm004sp_estd	PRESION VENT	DETECT	S	20DVM004SP_E	2	S				RACK:0 SLOT:08 POINT:05

102	%I1574	li_20dvm005sp_estd	PRESION VENT	DETECT	S	20DVM005SP_E	2	S				RACK:0 SLOT:08 POINT:06
103	%I1575	li_20dvm006sp_estd	PRESION VENT	DETECT	S	20DVM006SP_E	2	S				RACK:0 SLOT:08 POINT:07
104	%I1576	li_20dem001sp_pres	PRESION DE D	DETECT	S	20DEM001SP_F	2	S				RACK:0 SLOT:08 POINT:08
105	%I1577	li_20dem051sp_pres	PRESION DE D	DETECT	S	20DEM051SP_F	2	S				RACK:0 SLOT:08 POINT:09
106	%I1578	li_20dem002sp_pres	PRESION DE D	BAJO	S	20DEM002SP_F	2	S				RACK:0 SLOT:08 POINT:10
107	%I1579	li_20dem052sp_pres	PRESION DE D	BAJO	S	20DEM052SP_F	2	S				RACK:0 SLOT:08 POINT:11
108	%I1580	li_20dvm001dp_pres_dif	FILTRO DE AIR	ALARMA	S	20DVM001DP_F	21	S				RACK:0 SLOT:08 POINT:12
109	%I1581	li_20dvm002dp_pres_dif	FILTRO DE AIR	ALARMA	S	20DVM002DP_F	21	S				RACK:0 SLOT:08 POINT:13
110	%I1582	li_20dvm001rs_a_serv	PETICION ENCH	CIERRE	S	20DVM001RS_A	2	S				RACK:0 SLOT:08 POINT:14
111	%I1583	li_20dvm001rs_b_serv	PETICION ENCH	CIERRE	S	20DVM001RS_E	2	S				RACK:0 SLOT:08 POINT:15
112	%I1584	li_20dvm002rs_a_serv	PETICION ENCH	CIERRE	S	20DVM002RS_A	2	S				RACK:0 SLOT:08 POINT:16
113	%I1585	li_20dvm002rs_b_serv	PETICION ENCH	CIERRE	S	20DVM002RS_E	2	S				RACK:0 SLOT:08 POINT:17
114	%I1586	li_20dvm001jc_estd	INT. BATERIA C	CERRADO	S	20DVM001JC_E	2	S				RACK:0 SLOT:08 POINT:18
115	%I1587	li_20dvm001jc_fa	INT. BATERIA C	FALLA	S	20DVM001JC_F	21	S				RACK:0 SLOT:08 POINT:19
116	%I1588	li_20dvm001jc_rem	INT. BATERIA C	REMOTO	S	20DVM001JC_R	2	S				RACK:0 SLOT:08 POINT:20
117	%I1589	li_20dvm002jc_estd	INT. BATERIA C	CERRADO	S	20DVM002JC_E	2	S				RACK:0 SLOT:08 POINT:21
118	%I1590	li_20dvm002jc_fa	INT. BATERIA C	FALLA	S	20DVM002JC_F	21	S				RACK:0 SLOT:08 POINT:22
119	%I1591	li_20dvm002jc_rem	INT. BATERIA C	REMOTO	S	20DVM002JC_R	2	S				RACK:0 SLOT:08 POINT:23
120	%I1592	li_20dvm009jc_estd	INT. BATERIA C	CERRADO	S	20DVM009JC_E	2	S				RACK:0 SLOT:08 POINT:24
121	%I1593	li_20dvm009jc_fa	INT. BATERIA C	FALLA	S	20DVM009JC_F	21	S				RACK:0 SLOT:08 POINT:25
122	%I1594	li_20dvm009jc_rem	INT. BATERIA C	REMOTO	S	20DVM009JC_R	2	S				RACK:0 SLOT:08 POINT:26
123	%I1595	li_20dvm010jc_estd	INT. BATERIA C	CERRADO	S	20DVM010JC_E	2	S				RACK:0 SLOT:08 POINT:27
124	%I1596	li_20dvm010jc_fa	INT. BATERIA C	FALLA	S	20DVM010JC_F	21	S				RACK:0 SLOT:08 POINT:28
125	%I1597	li_20dvm010jc_rem	INT. BATERIA C	REMOTO	S	20DVM010JC_R	2	S				RACK:0 SLOT:08 POINT:29
126	%I1598						1					RACK:0 SLOT:08 POINT:30
127	%I1599						1					RACK:0 SLOT:08 POINT:31
128	%I1600						1					RACK:0 SLOT:08 POINT:32
129	%I1601	li_20kki001az_r1_sl1	POLARIDAD EX	PRESENC	S	20KKL001AZ_R	12	S				RACK:1 SLOT:01 POINT:01
130	%I1602	li_20lka001ts_fa_51_51n	TRAFO NO.1 13	DISPARO	S	20LKA001TS_F	11	S				RACK:1 SLOT:01 POINT:02
131	%I1603	li_20lka001ts_re_51n	TRAFO NO.1 13	FALLA	S	20LKA001TS_R	21	S				RACK:1 SLOT:01 POINT:03
132	%I1604	li_20lka002ts_fa_51_51n	TRAFO NO.2 13	DISPARO	S	20LKA002TS_F	11	S				RACK:1 SLOT:01 POINT:04
133	%I1605	li_20lka002ts_re_51n	TRAFO NO.2 13	FALLA	S	20LKA002TS_R	21	S				RACK:1 SLOT:01 POINT:05
134	%I1606						1					RACK:1 SLOT:01 POINT:06
135	%I1607						1					RACK:1 SLOT:01 POINT:07
136	%I1608						1					RACK:1 SLOT:01 POINT:08
137	%I1609						1					RACK:1 SLOT:01 POINT:09
138	%I1610						1					RACK:1 SLOT:01 POINT:10
139	%I1611						1					RACK:1 SLOT:01 POINT:11
140	%I1612						1					RACK:1 SLOT:01 POINT:12
141	%I1613						1					RACK:1 SLOT:01 POINT:13
142	%I1614						1					RACK:1 SLOT:01 POINT:14
143	%I1615						1					RACK:1 SLOT:01 POINT:15
144	%I1616						1					RACK:1 SLOT:01 POINT:16
145	%I1617	li_20sra001po_mar	BOMBA NRO.1	EN-SERV	S	20SRA001PO_M	2	S				RACK:1 SLOT:01 POINT:17
146	%I1618	li_20sra001po_un100	BOMBA NO.1 A	DETECT	S	20SRA001PO_U	2	S				RACK:1 SLOT:01 POINT:18
147	%I1619	li_20sra001po_fa	BOMBA NRO.1	FALLA	S	20SRA001PO_F	21	S				RACK:1 SLOT:01 POINT:19
148	%I1620	li_20sra001po_rem	BOMBA NRO.1	REMOTO	S	20SRA001PO_R	2	S				RACK:1 SLOT:01 POINT:20
149	%I1621	li_20sra003po_mar	BOMBA NRO.3	EN-SERV	S	20SRA003PO_M	2	S				RACK:1 SLOT:01 POINT:21
150	%I1622	li_20sra003po_un100	BOMBA NO.3 A	DETECT	S	20SRA003PO_U	2	S				RACK:1 SLOT:01 POINT:22
151	%I1623	li_20sra003po_fa	BOMBA NRO.3	FALLA	S	20SRA003PO_F	21	S				RACK:1 SLOT:01 POINT:23
152	%I1624	li_20sra003po_rem	BOMBA NRO.3	REMOTO	S	20SRA003PO_R	2	S				RACK:1 SLOT:01 POINT:24
153	%I1625	li_20sra002po_cerr	INT. BOMBA2 D	CERRADO	S	20SRA002PO_C	2	S				RACK:1 SLOT:01 POINT:25
154	%I1626	li_20sra002po_fa	BOMBA NRO. 2	FALLA	S	20SRA002PO_F	21	S				RACK:1 SLOT:01 POINT:26
155	%I1627	li_20sra002po_rem	BOMBA NRO. 2	REMOTO	S	20SRA002PO_R	2	S				RACK:1 SLOT:01 POINT:27
156	%I1628	li_20sra001sp_pres	PRESION BOMB	DETECT	S	20SRA001SP_P	2	S				RACK:1 SLOT:01 POINT:28
157	%I1629	li_20sra002sp_pres	PRESION BOMB	DETECT	S	20SRA002SP_P	2	S				RACK:1 SLOT:01 POINT:29

158	%I1630	li_20sra003sp_pres	PRESION BOMBA	DETECT	S	20SRA003SP_P	2	S				RACK:1 SLOT:01 POINT:30
159	%I1631	li_20sra001mz_turbidez	TURBIDEZ AGUA	DETECT	S	20SRA001MZ_T	2	S				RACK:1 SLOT:01 POINT:31
160	%I1632	li_20sra002mz_turbidez	TURBIDEZ AGUA	DETECT	S	20SRA002MZ_T	2	S				RACK:1 SLOT:01 POINT:32
161	%I1633	li_20kkl001_az_r1_sl2	POLARIDAD EXTERNA	PRESENCIA	S	20KKL001_AZ_F	12	S				RACK:1 SLOT:02 POINT:01
162	%I1634	li_20sra001fi_estd	FILTROS DE AGUA	EN-SERVICIO	S	20SRA001FI_ES	2	S				RACK:1 SLOT:02 POINT:02
163	%I1635	li_20sra001fi_fa	FILTROS DE AGUA	FALLA	S	20SRA001FI_FA	21	S	BS			RACK:1 SLOT:02 POINT:03
164	%I1636	li_20sra001fi_engrasado	FILTROS DE AGUA	ALARMA	S	20SRA001FI_EN	21	S				RACK:1 SLOT:02 POINT:04
165	%I1637	li_20sra001fi_auto	FILTROS DE AGUA	AUTO	S	20SRA001FI_AL	2	S				RACK:1 SLOT:02 POINT:05
166	%I1638	li_20sra101fi_estd	FILTROS DE AGUA	EN-SERVICIO	S	20SRA101FI_ES	2	S				RACK:1 SLOT:02 POINT:06
167	%I1639	li_20sra101fi_fa	FILTROS DE AGUA	FALLA	S	20SRA101FI_FA	21	S	BS			RACK:1 SLOT:02 POINT:07
168	%I1640	li_20sra101fi_engrasado	FILTROS DE AGUA	ALARMA	S	20SRA101FI_EN	21	S				RACK:1 SLOT:02 POINT:08
169	%I1641	li_20sra101fi_auto	FILTROS DE AGUA	AUTO	S	20SRA101FI_AL	2	S				RACK:1 SLOT:02 POINT:09
170	%I1642	li_20sra001sn_min	NIVEL POZO 1	MINI	S	20SRA001SN_M	22	S				RACK:1 SLOT:02 POINT:10
171	%I1643	li_20sra003sn_ba	NIVEL POZO 1	BAJO	S	20SRA003SN_B	21	S				RACK:1 SLOT:02 POINT:11
172	%I1644	li_20sra006sn_mba	NIVEL POZO 1	MUY-BAJO	S	20SRA006SN_M	21	S				RACK:1 SLOT:02 POINT:12
173	%I1645	li_20sra002_b_min	NIVEL POZO 2	MINI	S	20SRA002_B_M	22	S				RACK:1 SLOT:02 POINT:13
174	%I1646	li_20sra004sn_ba	NIVEL POZO 2	BAJO	S	20SRA004SN_B	21	S				RACK:1 SLOT:02 POINT:14
175	%I1647	li_20sra008sn_mba	NIVEL POZO 2	MUY-BAJO	S	20SRA008SN_M	21	S				RACK:1 SLOT:02 POINT:15
176	%I1648	li_20sra010sn_mba	NIVEL POZO 2	MUY-BAJO	S	20SRA010SN_M	21	S				RACK:1 SLOT:02 POINT:16
177	%I1649	li_20sra001jc_cerr	COMPTA. ING.	CERRADO	S	20SRA001JC_C	2	S				RACK:1 SLOT:02 POINT:17
178	%I1650	li_20sra001jc_ab	COMPTA. ING.	ABIERTO	S	20SRA001JC_A	2	S				RACK:1 SLOT:02 POINT:18
179	%I1651	li_20sra001jc_fa	COMPTA. ING.	FALLA	S	20SRA001JC_F	21	S				RACK:1 SLOT:02 POINT:19
180	%I1652	li_20sra004jc_cerr	COMPTA. ING.	CERRADO	S	20SRA004JC_C	2	S				RACK:1 SLOT:02 POINT:20
181	%I1653	li_20sra004jc_ab	COMPTA. ING.	ABIERTO	S	20SRA004JC_A	2	S				RACK:1 SLOT:02 POINT:21
182	%I1654	li_20sra004jc_fa	COMPTA. ING.	FALLA	S	20SRA004JC_F	21	S				RACK:1 SLOT:02 POINT:22
183	%I1655	li_20sra002jc_ab	GRILLA ING.	ABIERTO	S	20SRA002JC_A	2	S				RACK:1 SLOT:02 POINT:23
184	%I1656	li_20sra002jc_cerr	GRILLA ING.	CERRADO	S	20SRA002JC_C	2	S				RACK:1 SLOT:02 POINT:24
185	%I1657	li_20sra002jc_fa	GRILLA ING.	FALLA	S	20SRA002JC_F	21	S				RACK:1 SLOT:02 POINT:25
186	%I1658						1					RACK:1 SLOT:02 POINT:26
187	%I1659	li_20sra007jc_estd	INT. BOMBA DE AGUA	EN-SERVICIO	S	20SRA007JC_E	2	S				RACK:1 SLOT:02 POINT:27
188	%I1660	li_20sra007jc_fa	INT. BOMBA DE AGUA	FALLA	S	20SRA007JC_F	21	S				RACK:1 SLOT:02 POINT:28
189	%I1661	li_20sra007jc_rem	INT. BOMBA DE AGUA	REMOTO	S	20SRA007JC_R	2	S				RACK:1 SLOT:02 POINT:29
190	%I1662	li_20sra008jc_estd	INT. BOMBA DE AGUA	EN-SERVICIO	S	20SRA008JC_E	2	S				RACK:1 SLOT:02 POINT:30
191	%I1663	li_20sra008jc_fa	INT. BOMBA DE AGUA	FALLA	S	20SRA008JC_F	21	S				RACK:1 SLOT:02 POINT:31
192	%I1664	li_20sra008jc_rem	INT. BOMBA DE AGUA	REMOTO	S	20SRA008JC_R	2	S				RACK:1 SLOT:02 POINT:32
193	%I1665	li_20kkl001az_r1_sl3	POLARIDAD EXTERNA	PRESENCIA	S	20KKL001AZ_R	12	S				RACK:1 SLOT:03 POINT:01
194	%I1666	li_20sra002dp_pres_03	PRES. DIFERENCIAL	DETECT	S	20SRA002DP_P	2	S				RACK:1 SLOT:03 POINT:02
195	%I1667	li_20sra002dp_pres_05	PRES. DIFERENCIAL	ALARMA	S	20SRA002DP_P	21	S				RACK:1 SLOT:03 POINT:03
196	%I1668	li_20sra102dp_pres_03	PRES. DIFERENCIAL	DETECT	S	20SRA102DP_P	2	S				RACK:1 SLOT:03 POINT:04
197	%I1669	li_20sra102dp_pres_05	PRES. DIFERENCIAL	ALARMA	S	20SRA102DP_P	21	S				RACK:1 SLOT:03 POINT:05
198	%I1670	li_sra004sp_pres	PRESION 001EN	ALARMA	S	L1_SRA004SP_P	21	S				RACK:1 SLOT:03 POINT:06
199	%I1671	li_sra001st_alta	TEMP. AGUA EN	ALTO	S	L1_SRA001ST_A	21	S				RACK:1 SLOT:03 POINT:07
200	%I1672	li_sra002st_alta	TEMP. AGUA EN	ALTO	S	L1_SRA002ST_A	21	S				RACK:1 SLOT:03 POINT:08
201	%I1673						1					RACK:1 SLOT:03 POINT:09
202	%I1674	li_20sra500cr_pol	20SRA500CR_P	FALLA	S	20SRA500CR_P	11	S				RACK:1 SLOT:03 POINT:10
203	%I1675						1					RACK:1 SLOT:03 POINT:11
204	%I1676						1					RACK:1 SLOT:03 POINT:12
205	%I1677						1					RACK:1 SLOT:03 POINT:13
206	%I1678	li_20sra005jc_ab	GRILLA ING.	ABIERTO	S	20SRA005JC_A	2	S				RACK:1 SLOT:03 POINT:14
207	%I1679	li_20sra005jc_cerr	GRILLA ING.	CERRADO	S	20SRA005JC_C	2	S				RACK:1 SLOT:03 POINT:15
208	%I1680	li_20sra005jc_fa	GRILLA ING.	FALLA	S	20SRA005JC_F	21	S				RACK:1 SLOT:03 POINT:16
209	%I1681	li_20spr002cr_al_mar	COMPRESOR AIRE	EN-SERVICIO	S	20SPR002CR_A	2					RACK:1 SLOT:03 POINT:17
210	%I1682	li_20spr002cr_al_fa	COMPRESOR AIRE	FALLA	S	20SPR002CR_A	21	S	BS			RACK:1 SLOT:03 POINT:18
211	%I1683	li_20spr002_cr_am_mar	COMPRESOR AIRE	EN-SERVICIO	S	20SPR002_CR	2					RACK:1 SLOT:03 POINT:19
212	%I1684	li_20spr002cr_am_fa	COMPRESOR AIRE	FALLA	S	20SPR002CR_A	21	S	BS			RACK:1 SLOT:03 POINT:20
213	%I1685	li_20spr_pres_norm	PRESION SISTEMA	NORMAL	S	20SPR_PRES_N	22	S				RACK:1 SLOT:03 POINT:21

214	%I1686						1				RACK:1 SLOT:03 POINT:22
215	%I1687						1				RACK:1 SLOT:03 POINT:23
216	%I1688						1				RACK:1 SLOT:03 POINT:24
217	%I1689						1				RACK:1 SLOT:03 POINT:25
218	%I1690						1				RACK:1 SLOT:03 POINT:26
219	%I1691						1				RACK:1 SLOT:03 POINT:27
220	%I1692						1				RACK:1 SLOT:03 POINT:28
221	%I1693						1				RACK:1 SLOT:03 POINT:29
222	%I1694						1				RACK:1 SLOT:03 POINT:30
223	%I1695						1				RACK:1 SLOT:03 POINT:31
224	%I1696						1				RACK:1 SLOT:03 POINT:32
225	%I1697	li_20kkl001az_r1_sl4	POLARIDAD EX	PRESENC	S	20KLL001AZ_F	12	S			RACK:1 SLOT:04 POINT:01
226	%I1698	li_20srb001sn_ma	NIVEL TANQUE	MUY-ALTO	S	20SRB001SN_M	2	S			RACK:1 SLOT:04 POINT:02
227	%I1699	li_20srb001sn_ba	NIVEL TANQUE	BAJO	S	20SRB001SN_B	2	S			RACK:1 SLOT:04 POINT:03
228	%I1700	li_20srb001sn_mb	NIVEL TANQUE	MUY-BAJO	S	20SRB001SN_M	2	S			RACK:1 SLOT:04 POINT:04
229	%I1701	li_20srb002sn_niv	NIVEL TANQUE	MUY-ALTO	S	20SRB002SN_N	2	S			RACK:1 SLOT:04 POINT:05
230	%I1702	li_20srb003sn_niv	NIVEL TANQUE	MUY-BAJO	S	20SRB003SN_N	2	S			RACK:1 SLOT:04 POINT:06
231	%I1703	li_20srb004sn_niv	NIVEL TANQUE	MUY-ALTO	S	20SRB004SN_N	2	S			RACK:1 SLOT:04 POINT:07
232	%I1704	li_20srb005sn_niv	NIVEL TANQUE	MUY-BAJO	S	20SRB005SN_N	2	S			RACK:1 SLOT:04 POINT:08
233	%I1705	li_20srb001st_temp26	TEMP AGUA EN	ALTO	S	20SRB001ST_T	21	S			RACK:1 SLOT:04 POINT:09
234	%I1706	li_20srb002st_temp22	TEMP AGUA EN	BAJO	S	20SRB002ST_T	21	S			RACK:1 SLOT:04 POINT:10
235	%I1707	li_20srb003st_m_alta	TEMP AGUA EN	MUY-ALTO	S	20SRB003ST_M	21	S			RACK:1 SLOT:04 POINT:11
236	%I1708	li_20srb004st_alta	TEMP AGUA EN	ALTO	S	20SRB004ST_A	21	S			RACK:1 SLOT:04 POINT:12
237	%I1709	li_20srb001sp_presion	ENTR. INTERM	DETECT	S	20SRB001SP_P	21	S			RACK:1 SLOT:04 POINT:13
238	%I1710	li_20srb002sp_pres	PRESION EN B	DETECT	S	20SRB002SP_P	2	S			RACK:1 SLOT:04 POINT:14
239	%I1711	li_20srb003sp_pres	PRESION EN B	DETECT	S	20SRB003SP_P	2	S			RACK:1 SLOT:04 POINT:15
240	%I1712						1				RACK:1 SLOT:04 POINT:16
241	%I1713	li_20srb003sd_flujo	CIRCULACION	DETECT	S	20SRB003SD_F	2	S			RACK:1 SLOT:04 POINT:17
242	%I1714	li_20srb004sd_flujo	CIRCULACION	DETECT	S	20SRB004SD_F	2	S			RACK:1 SLOT:04 POINT:18
243	%I1715	li_20srb005st_alta	TEMP. AGUA EN	ALTO	S	20SRB005ST_A	21	S			RACK:1 SLOT:04 POINT:19
244	%I1716	li_20srb006st_alta	TEMP. AGUA EN	ALTO	S	20SRB006ST_A	21	S			RACK:1 SLOT:04 POINT:20
245	%I1717	li_20kmh001sn_inund	INUND POZO S	ALARMA	S	20KMH001SN_I	21	S			RACK:1 SLOT:04 POINT:21
246	%I1718	li_20kmh002sn_inund	INUND POZO S	ALARMA	S	20KMH002SN_I	21	S			RACK:1 SLOT:04 POINT:22
247	%I1719	li_20kmh003sn_inund	INUND POZO S	ALARMA	S	20KMH003SN_I	21	S			RACK:1 SLOT:04 POINT:23
248	%I1720	li_20kmh004_sn_al	NIVEL POZO D	ALTO	S	20KMH004_SN	21	S			RACK:1 SLOT:04 POINT:24
249	%I1721	li_20kmh005_sn_al	NIVEL DEL CAN	ALTO	S	20KMH005_SN	21	S	BS		RACK:1 SLOT:04 POINT:25
250	%I1722						1				RACK:1 SLOT:04 POINT:26
251	%I1723						1				RACK:1 SLOT:04 POINT:27
252	%I1724						1				RACK:1 SLOT:04 POINT:28
253	%I1725						1				RACK:1 SLOT:04 POINT:29
254	%I1726						1				RACK:1 SLOT:04 POINT:30
255	%I1727						1				RACK:1 SLOT:04 POINT:31
256	%I1728						1				RACK:1 SLOT:04 POINT:32
257	%I1729	li_kkl001az_r1_sl5	POLARIDAD EX	PRESENC	S	KKL001AZ_R1_S	12	S			RACK:1 SLOT:05 POINT:01
258	%I1730	li_20lba001tb_fa_48v	CTO. 48V EN T	FALLA	S	20LBA001TB_FA	21	S			RACK:1 SLOT:05 POINT:02
259	%I1731	li_20lba001tb_fa_ten	TENSION TAB.	FALLA	S	20LBA001TB_FA	21	S			RACK:1 SLOT:05 POINT:03
260	%I1732	li_20lba001tb_fa_gen	DEFECTO AGR	FALLA	S	20LBA001TB_FA	21	S			RACK:1 SLOT:05 POINT:04
261	%I1733	li_20lba001tb_fa_aux	CIRCUITO AUX	FALLA	S	20LBA001TB_FA	21	S			RACK:1 SLOT:05 POINT:05
262	%I1734	li_20lba003jd_estd	INT. LLEGADA	CERRADO	S	20LBA003JD_ES	2	S			RACK:1 SLOT:05 POINT:06
263	%I1735	li_20lba004jd_estd	INT. LLEGADA	CERRADO	S	20LBA004JD_ES	2	S			RACK:1 SLOT:05 POINT:07
264	%I1736	li_20lba005jd_estd	INT. DISTRIBUI	CERRADO	S	20LBA005JD_ES	2	S			RACK:1 SLOT:05 POINT:08
265	%I1737	li_20lba006jd_estd	REGULADOR TI	CERRADO	S	20LBA006JD_ES	2	S			RACK:1 SLOT:05 POINT:09
266	%I1738	li_20lba007jd_estd	INT. COMPUTA	CERRADO	S	20LBA007JD_ES	2	S			RACK:1 SLOT:05 POINT:10
267	%I1739	li_20lba008jd_estd	INT. GABINETE	CERRADO	S	20LBA008JD_ES	2	S			RACK:1 SLOT:05 POINT:11
268	%I1740	li_20lba009jd_estd	INT. REGULAD	CERRADO	S	20LBA009JD_ES	2	S			RACK:1 SLOT:05 POINT:12
269	%I1741	li_20lba010jd_estd	INT. COMPUTA	CERRADO	S	20LBA010JD_ES	2	S			RACK:1 SLOT:05 POINT:13

[illegible]

		LISTA DE SEÑALES											
		ANEXO 3											
		PROYECTO: EVALUACION Y TDR DE MODERNIZACION DEL SISTEMA DE CONTROL											
CLIENTE: EGEMSA					CODIGO:		TES_EGM_2020_07_LS						



I. DATOS GENERALES																
SISTEMA:		SISTEMA DE CONTROL FASE I							SUB SISTEMA:		SISTEMA DE CONTROL DE SISTEMAS AUXILIARES					
HARDWARE:		PLC MAIN AUXILIARES							FUENTE:		APLICACION PLC					
TIPO:		HARDWARE INPUTS / ANALOG														

II. TABLA DE DATOS																
ITEM	ADDRESS	MNEMONIC	LABEL	UNIT	TO CTRL	VAR REF	V MINI	V MAX	PLC MINI	PLC MAX	ACQ	TO S8000-E	TO MMI	TO F8000	LOCATION	
1	%AI0135	di_20srb001mt	TEMP. AGUA ENTRADA BAT. FRIAS	DEG-C	M	20SRB001MT	0	50	6400	32000	10					RACK:1 SLOT:08 POINT:01 (Points)
2	%AI0136	di_20srb001mt_fis	TEMP. AGUA ENTRADA BAT. FRIAS	DEG-C		20SRB001MT_FIS	0.00	50.00	0	5000	10		M			RACK:1 SLOT:08 POINT:01 (Physical)
3	%I0993	li_20srb001mt_val	BIT DE VALIDEZ DE MEDIDA			20SRB001MT_VAL			0	0			S			RACK:1 SLOT:08 POINT:01 (Valid.)
4	%AI0143	di_20lba001rd_mu	TENSION DE SALIDA RECTIF. 001RD	V	M	20LBA001RD_MU	0	150	6400	32000	5					RACK:1 SLOT:08 POINT:02 (Points)
5	%AI0144	di_20lba001rd_mu_fis	TENSION DE SALIDA RECTIF. 001RD	V		20LBA001RD_MU_FIS	0.00	150.00	0	15000	5		M			RACK:1 SLOT:08 POINT:02 (Physical)
6	%I0994	li_20lba001rd_val	BIT DE VALIDEZ DE MEDIDA			20LBA001RD_VAL			0	0			S			RACK:1 SLOT:08 POINT:02 (Valid.)
7	%AI0151	di_20lka301mu	TENSION LLEG. DESDE 20LKB001TB	V	M	20LKA301MU	0	500	6400	32000	5					RACK:1 SLOT:08 POINT:03 (Points)
8	%AI0152	di_20lka301mu_fis	TENSION LLEG. DESDE 20LKB001TB	V		20LKA301MU_FIS	0.00	500.00	0	5000	5		M			RACK:1 SLOT:08 POINT:03 (Physical)
9	%I0995	li_20lka301mu_val	BIT DE VALIDEZ DE MEDIDA			20LKA301MU_VAL			0	0			S			RACK:1 SLOT:08 POINT:03 (Valid.)
10	%AI0159	di_20lka301mi	CORRIENTE LLEG. DESDE 20LKB001TB	A	M	20LKA301MI	0	2000	6400	32000	5					RACK:1 SLOT:08 POINT:04 (Points)
11	%AI0160	di_20lka301mi_fis	CORRIENTE LLEG. DESDE 20LKB001TB	A		20LKA301MI_FIS	0.00	2000.00	0	20000	5		M			RACK:1 SLOT:08 POINT:04 (Physical)
12	%I0996	li_20lka301mi_val	BIT DE VALIDEZ DE MEDIDA			20LKA301MI_VAL			0	0			S			RACK:1 SLOT:08 POINT:04 (Valid.)
13	%AI0167	di_20lka101mu	TENSION LLEGADA TRANSF. 1	V	M	20LKA101MU	0	500	6400	32000	5					RACK:1 SLOT:08 POINT:05 (Points)
14	%AI0168	di_20lka101mu_fis	TENSION LLEGADA TRANSF. 1	V		20LKA101MU_FIS	0.00	500.00	0	5000	5		M			RACK:1 SLOT:08 POINT:05 (Physical)
15	%I0997	li_20lka101mu_val	BIT DE VALIDEZ DE MEDIDA			20LKA101MU_VAL			0	0			S			RACK:1 SLOT:08 POINT:05 (Valid.)
16	%AI0175	di_20lka101mi	CORRIENTE TRANSF. 1	A	M	20LKA101MI	0	2000	6400	32000	5					RACK:1 SLOT:08 POINT:06 (Points)
17	%AI0176	di_20lka101mi_fis	CORRIENTE TRANSF. 1	A		20LKA101MI_FIS	0.00	2000.00	0	20000	5		M			RACK:1 SLOT:08 POINT:06 (Physical)
18	%I0998	li_20lka101mi_val	BIT DE VALIDEZ DE MEDIDA			20LKA101MI_VAL			0	0			S			RACK:1 SLOT:08 POINT:06 (Valid.)
19	%AI0183	di_20lka201mu	TENSION LLEGADA TRANSF. 2	V	M	20LKA201MU	0	500	6400	32000	5					RACK:1 SLOT:08 POINT:07 (Points)
20	%AI0184	di_20lka201mu_fis	TENSION LLEGADA TRANSF. 2	V		20LKA201MU_FIS	0.00	500.00	0	5000	5		M			RACK:1 SLOT:08 POINT:07 (Physical)
21	%I0999	li_20lka201mu_val	BIT DE VALIDEZ DE MEDIDA			20LKA201MU_VAL			0	0			S			RACK:1 SLOT:08 POINT:07 (Valid.)
22	%AI0191	di_20lka201mi	CORRIENTE TRANSF. 2	A	M	20LKA201MI	0	2000	6400	32000	5					RACK:1 SLOT:08 POINT:08 (Points)
23	%AI0192	di_20lka201mi_fis	CORRIENTE TRANSF. 2	A		20LKA201MI_FIS	0.00	2000.00	0	20000	5		M			RACK:1 SLOT:08 POINT:08 (Physical)
24	%I1000	li_20lka201mi_val	BIT DE VALIDEZ DE MEDIDA			20LKA201MI_VAL			0	0			S			RACK:1 SLOT:08 POINT:08 (Valid.)
25	%AI0199	di_20kmh001md	CAUDAL GRUPOS	M3/S	M	20KMH001MD	0	30	6400	32000	10					RACK:1 SLOT:08 POINT:09 (Points)
26	%AI0200	di_20kmh001md_fis	CAUDAL GRUPOS	M3/S		20KMH001MD_FIS	0.00	30.00	0	3000	10		M			RACK:1 SLOT:08 POINT:09 (Physical)
27	%I1001	li_20kmh001md_val	BIT DE VALIDEZ DE MEDIDA			20KMH001MD_VAL			0	0			S			RACK:1 SLOT:08 POINT:09 (Valid.)
28	%AI0207						0	24	6400	32000	5					RACK:1 SLOT:08 POINT:10 (Points)
29	%AI0208						0.00	24.00	0	2400	5					RACK:1 SLOT:08 POINT:10 (Physical)
30	%I1002								0	0						RACK:1 SLOT:08 POINT:10 (Valid.)
31	%AI0215						0	36	6400	32000	10					RACK:1 SLOT:08 POINT:11 (Points)
32	%AI0216						0.00	36.00	0	3600	10					RACK:1 SLOT:08 POINT:11 (Physical)
33	%I1003								0	0						RACK:1 SLOT:08 POINT:11 (Valid.)
34	%AI0223	di_20lba001mu	TENSION DE BARRAS (110VCC)	V	M	20LBA001MU	0	150	6400	32000	5					RACK:1 SLOT:08 POINT:12 (Points)
35	%AI0224	di_20lba001mu_fis	TENSION DE BARRAS (110VCC)	V		20LBA001MU_FIS	0.00	150.00	0	15000	5		M			RACK:1 SLOT:08 POINT:12 (Physical)
36	%I1004	li_20lba001mu_val	BIT DE VALIDEZ DE MEDIDA			20LBA001MU_VAL			0	0			S			RACK:1 SLOT:08 POINT:12 (Valid.)
37	%AI0231	di_20lba002rd_mu	TENSION DE SALIDA RECTIF. 002RD	V	M	20LBA002RD_MU	0	150	6400	32000	10					RACK:1 SLOT:08 POINT:13 (Points)
38	%AI0232	di_20lba002rd_mu_fis	TENSION DE SALIDA RECTIF. 002RD	V		20LBA002RD_MU_FIS	0.00	150.00	0	15000	10		M			RACK:1 SLOT:08 POINT:13 (Physical)
39	%I1005	li_20lba002rd_val	BIT DE VALIDEZ DE MEDIDA			20LBA002RD_VAL			0	0			S			RACK:1 SLOT:08 POINT:13 (Valid.)
40	%AI0239	di_20dvm003mt	TEMP. AMBIENTE LOCAL ELECTRICO	DEG-C	M	20DVM003MT	0	40	6400	32000	5					RACK:1 SLOT:08 POINT:14 (Points)
41	%AI0240	di_20dvm003mt_fis	TEMP. AMBIENTE LOCAL ELECTRICO	DEG-C		20DVM003MT_FIS	0.00	40.00	0	4000	5		M			RACK:1 SLOT:08 POINT:14 (Physical)
42	%I1006	li_20dvm003mt_val	BIT DE VALIDEZ DE MEDIDA			20DVM003MT_VAL			0	0			S			RACK:1 SLOT:08 POINT:14 (Valid.)
43	%AI0247	di_20dvm001mt	TEMP. AMBIENTE SALA DE MAQUINAS	DEG-C	M	20DVM001MT	0	40	6400	32000	5					RACK:1 SLOT:08 POINT:15 (Points)
44	%AI0248	di_20dvm001mt_fis	TEMP. AMBIENTE SALA DE MAQUINAS	DEG-C		20DVM001MT_FIS	0.00	40.00	0	4000	5		M			RACK:1 SLOT:08 POINT:15 (Physical)
45	%I1007	li_20dvm001mt_val	BIT DE VALIDEZ DE MEDIDA			20DVM001MT_VAL			0	0			S			RACK:1 SLOT:08 POINT:15 (Valid.)
46	%AI0255	di_20dvm002mt	TEMP. AMBIENTE SALA DE MAQUINAS	DEG-C	M	20DVM002MT	0	40	6400	32000	10					RACK:1 SLOT:08 POINT:16 (Points)
47	%AI0256	di_20dvm002mt_fis	TEMP. AMBIENTE SALA DE MAQUINAS	DEG-C		20DVM002MT_FIS	0.00	40.00	0	4000	10		M			RACK:1 SLOT:08 POINT:16 (Physical)
48	%I1008	li_20dvm002mt_val	BIT DE VALIDEZ DE MEDIDA			20DVM002MT_VAL			0	0			S			RACK:1 SLOT:08 POINT:16 (Valid.)
49	%AI0263								6400	32000	10					RACK:1 SLOT:09 POINT:01 (Points)

50	%AI0264								0	0	5				RACK:1 SLOT:09 POINT:01 (Physical)
51	%I1009								0	0					RACK:1 SLOT:09 POINT:01 (Valid.)
52	%AI0271								6400	32000					RACK:1 SLOT:09 POINT:02 (Points)
53	%AI0272								0	0					RACK:1 SLOT:09 POINT:02 (Physical)
54	%I1010								0	0					RACK:1 SLOT:09 POINT:02 (Valid.)
55	%AI0279								6400	32000					RACK:1 SLOT:09 POINT:03 (Points)
56	%AI0280								0	0					RACK:1 SLOT:09 POINT:03 (Physical)
57	%I1011								0	0					RACK:1 SLOT:09 POINT:03 (Valid.)
58	%AI0287								6400	32000					RACK:1 SLOT:09 POINT:04 (Points)
59	%AI0288								0	0					RACK:1 SLOT:09 POINT:04 (Physical)
60	%I1012								0	0					RACK:1 SLOT:09 POINT:04 (Valid.)
61	%AI0295								6400	32000					RACK:1 SLOT:09 POINT:05 (Points)
62	%AI0296								0	0					RACK:1 SLOT:09 POINT:05 (Physical)
63	%I1013								0	0					RACK:1 SLOT:09 POINT:05 (Valid.)
64	%AI0303								6400	32000					RACK:1 SLOT:09 POINT:06 (Points)
65	%AI0304								0	0					RACK:1 SLOT:09 POINT:06 (Physical)
66	%I1014								0	0					RACK:1 SLOT:09 POINT:06 (Valid.)
67	%AI0311								6400	32000					RACK:1 SLOT:09 POINT:07 (Points)
68	%AI0312								0	0					RACK:1 SLOT:09 POINT:07 (Physical)
69	%I1015								0	0					RACK:1 SLOT:09 POINT:07 (Valid.)
70	%AI0319								6400	32000					RACK:1 SLOT:09 POINT:08 (Points)
71	%AI0320								0	0					RACK:1 SLOT:09 POINT:08 (Physical)
72	%I1016								0	0					RACK:1 SLOT:09 POINT:08 (Valid.)
73	%AI0327								6400	32000					RACK:1 SLOT:09 POINT:09 (Points)
74	%AI0328								0	0					RACK:1 SLOT:09 POINT:09 (Physical)
75	%I1017								0	0					RACK:1 SLOT:09 POINT:09 (Valid.)
76	%AI0335								6400	32000					RACK:1 SLOT:09 POINT:10 (Points)
77	%AI0336								0	0					RACK:1 SLOT:09 POINT:10 (Physical)
78	%I1018								0	0					RACK:1 SLOT:09 POINT:10 (Valid.)
79	%AI0343								6400	32000					RACK:1 SLOT:09 POINT:11 (Points)
80	%AI0344								0	0					RACK:1 SLOT:09 POINT:11 (Physical)
81	%I1019								0	0					RACK:1 SLOT:09 POINT:11 (Valid.)
82	%AI0351								6400	32000					RACK:1 SLOT:09 POINT:12 (Points)
83	%AI0352								0	0					RACK:1 SLOT:09 POINT:12 (Physical)
84	%I1020								0	0					RACK:1 SLOT:09 POINT:12 (Valid.)
85	%AI0359								6400	32000					RACK:1 SLOT:09 POINT:13 (Points)
86	%AI0360								0	0					RACK:1 SLOT:09 POINT:13 (Physical)
87	%I1021								0	0					RACK:1 SLOT:09 POINT:13 (Valid.)
88	%AI0367								6400	32000					RACK:1 SLOT:09 POINT:14 (Points)
89	%AI0368								0	0					RACK:1 SLOT:09 POINT:14 (Physical)
90	%I1022								0	0					RACK:1 SLOT:09 POINT:14 (Valid.)
91	%AI0375								6400	32000					RACK:1 SLOT:09 POINT:15 (Points)
92	%AI0376								0	0					RACK:1 SLOT:09 POINT:15 (Physical)
93	%I1023								0	0					RACK:1 SLOT:09 POINT:15 (Valid.)
94	%AI0383								6400	32000					RACK:1 SLOT:09 POINT:16 (Points)
95	%AI0384								0	0					RACK:1 SLOT:09 POINT:16 (Physical)
96	%I1024								0	0					RACK:1 SLOT:09 POINT:16 (Valid.)

### III. OBSERVACIONES & COMENTARIOS



### IV. APROBACIONES

		LISTA DE SEÑALES											
		ANEXO 3											
		PROYECTO:			EVALUACIÓN Y TDR DE MODERNIZACION DEL SISTEMA DE CONTROL								
		CLIENTE:			EGEMSA		CODIGO:				TES_EGM_2020_07_LS		
I. DATOS GENERALES													
SISTEMA:		SISTEMA DE CONTROL FASE I				SUB SISTEMA:		SISTEMA DE CONTROL SERVICIOS AUXILIARES					
HARDWARE:		PLC MAIN AUXILIARES				FUENTE:		APLICACIÓN PLC					
TIPO:		HARDWARE OUTPUT / LOGICAL											
ITEM	ADDRESS	MNEMONIC	LABEL	STATE 1	TO CTRLG	VAR REF	STD	TO MMI	TO S8000-E	LOCATION			
1	%Q0001	lo_20dvm001jc_cier	BATERIAS CALIENTES 001RS-A	CIERRE	S	20DVM001JC_CIER	2			RACK:1 SLOT:06 POINT:01			
2	%Q0002	lo_20dvm009jc_cier	BATERIAS CALIENTES 002RS-A	CIERRE	S	20DVM009JC_CIER	2			RACK:1 SLOT:06 POINT:02			
3	%Q0003	lo_20dvm002jc_cier	BATERIAS CALIENTES 001RS-B	CIERRE	S	20DVM002JC_CIER	2			RACK:1 SLOT:06 POINT:03			
4	%Q0004	lo_20dvm010jc_cier	BATERIAS CALIENTES 002RS-B	CIERRE	S	20DVM010JC_CIER	2			RACK:1 SLOT:06 POINT:04			
5	%Q0005	lo_20lka001jd_cie	INT. LLEGADA DE TRFO. 20LKA001TR	CIERRE	S	20LKA001JD_CIE	2			RACK:1 SLOT:06 POINT:05			
6	%Q0006	lo_20lka001jd_apr	INT. LLEGADA DE TRFO. 20LKA001TR	APERTURA	S	20LKA001JD_APR	2			RACK:1 SLOT:06 POINT:06			
7	%Q0007	lo_20lka002jd_cie	INT. LLEGADA DE TRFO. 20LKA002TR	CIERRE	S	20LKA002JD_CIE	2			RACK:1 SLOT:06 POINT:07			
8	%Q0008	lo_20lka002jd_apr	INT. LLEGADA DE TRFO. 20LKA002TR	APERTURA	S	20LKA002JD_APR	2			RACK:1 SLOT:06 POINT:08			
9	%Q0009	lo_20lka003jd_cie	INT. LLEGADA GENERADOR DIESEL	CIERRE	S	20LKA003JD_CIE	2			RACK:1 SLOT:06 POINT:09			
10	%Q0010	lo_20lka003jd_apr	INT. LLEGADA GENERADOR DIESEL	APERTURA	S	20LKA003JD_APR	2			RACK:1 SLOT:06 POINT:10			
11	%Q0011	lo_20lka007jd_cie	INTERRUPTOR DE ACOMPLAMIENTO	CIERRE	S	20LKA007JD_CIE	2			RACK:1 SLOT:06 POINT:11			
12	%Q0012	lo_20lka007jd_apr	INTERRUPTOR DE ACOMPLAMIENTO	APERTURA	S	20LKA007JD_APR	2			RACK:1 SLOT:06 POINT:12			
13	%Q0013	li_20sra001fi_cont	FILTRO DE AUTOLIMPIEZA NO.1	ARRANQUE	S	20SRA001FI_CONT	2			RACK:1 SLOT:06 POINT:13			
14	%Q0014	li_20sra101fi_cont	FILTRO DE AUTOLIMPIEZA NO.2	ARRANQUE	S	20SRA101FI_CONT	2			RACK:1 SLOT:06 POINT:14			
15	%Q0015	lo_20kki001xl_sirena	SIRENA ALARMAS	CONECTAD			2			RACK:1 SLOT:06 POINT:15			
16	%Q0016	lo_20kki001bv_lampara	LAMPARA DE ALARMA	CONECTAD			2			RACK:1 SLOT:06 POINT:16			
17	%Q0017	li_20lga001jd_cie	INT. LLEGADA DE GRUPO NO.1	CIERRE	S	20LGA001JD_CIE	2			RACK:1 SLOT:06 POINT:17			
18	%Q0018	li_20lga001jd_apr	INT. LLEGADA DE GRUPO NO.1	APERTURA	S	20LGA001JD_APR	2			RACK:1 SLOT:06 POINT:18			
19	%Q0019	li_20lga002jd_cie	INT. LLEGADA DE GRUPO NO.2	CIERRE	S	20LGA002JD_CIE	2			RACK:1 SLOT:06 POINT:19			
20	%Q0020	li_20lga002jd_apr	INT. LLEGADA DE GRUPO NO.2	APERTURA	S	20LGA002JD_APR	2			RACK:1 SLOT:06 POINT:20			
21	%Q0021	li_20lga003jd_cie	INT. LLEGADA DE GRUPO NO.3	CIERRE	S	20LGA003JD_CIE	2			RACK:1 SLOT:06 POINT:21			
22	%Q0022	li_20lga003jd_apr	INT. LLEGADA DE GRUPO NO.3	APERTURA	S	20LGA003JD_APR	2			RACK:1 SLOT:06 POINT:22			
23	%Q0023	lo_20sra001po_cont	BOMBA 1 AGUA CRUDA	ARRANQUE	S	20SRA001PO_CONT	2			RACK:1 SLOT:06 POINT:23			
24	%Q0024	lo_20sra002po_cont	BOMBA 2 AGUA CRUDA	ARRANQUE	S	20SRA002PO_CONT	2			RACK:1 SLOT:06 POINT:24			
25	%Q0025	lo_20sra003po_cont	BOMBA 3 AGUA CRUDA	ARRANQUE	S	20SRA003PO_CONT	2			RACK:1 SLOT:06 POINT:25			
26	%Q0026	lo_20srb001po_cont	BOMBA 1 AGUA TRATADA	ARRANQUE	S	20SRB001PO_CONT	2			RACK:1 SLOT:06 POINT:26			
27	%Q0027	lo_20srb002po_cont	BOMBA 2 AGUA TRATADA	ARRANQUE	S	20SRB002PO_CONT	2			RACK:1 SLOT:06 POINT:27			
28	%Q0028	lo_20sra002po_set1	BOMBA 2 AGUA CRUDA SET POINT 1	SELECC	S	20SRA002PO_SET1	2			RACK:1 SLOT:06 POINT:28			
29	%Q0029	lo_20sra002po_set2	BOMBA 2 AGUA CRUDA SET POINT 2	SELECC	S	20SRA002PO_SET2	2			RACK:1 SLOT:06 POINT:29			
30	%Q0030	lo_20sra002po_set3	BOMBA 2 AGUA CRUDA SET POINT 3	SELECC	S	20SRA002PO_SET3	2			RACK:1 SLOT:06 POINT:30			
31	%Q0031	lo_20dvm003jc_ctrl	VENTILADOR SOPLADO 001ZV	ARRANQUE	S	20DVM003JC_CTRL	2			RACK:1 SLOT:06 POINT:31			
32	%Q0032	lo_20dvm004jc_ctrl	VENTILADOR SOPLADO 002ZV	ARRANQUE	S	20DVM004JC_CTRL	2			RACK:1 SLOT:06 POINT:32			
33	%Q0033	lo_20sra007jc_cont	BOMBA DE PURGA AGUA CRUDA 501PO	ARRANQUE	S	20SRA007JC_CONT	2			RACK:1 SLOT:07 POINT:01			
34	%Q0034	lo_20sra008jc_cont	BOMBA DE PURGA AGUA CRUDA 502PO	ARRANQUE	S	20SRA008JC_CONT	2			RACK:1 SLOT:07 POINT:02			
35	%Q0035	lo_20sei001jc_cont	BOMBA AGUA DE SERVICIO	ARRANQUE	S	20SEI001JC_CONT	2			RACK:1 SLOT:07 POINT:03			
36	%Q0036	lo_20lka001tb_disp1	DESCONEXION DE CARGAS TAB. 20LKA	DISPARO	S	20LKA001TB_DISP1	21	S	BS	RACK:1 SLOT:07 POINT:04			
37	%Q0037	lo_20dvm001tb_disp	DESCONEXION DE CARGAS TAB. 20DVM	DISPARO	S	20DVM001TB_DISP	21	S		RACK:1 SLOT:07 POINT:05			
38	%Q0038	lo_20lka001tb_disp2	DESCONEXION DE CARGAS TAB. 20LKA	DISPARO	S	20LKA001TB_DISP2	21	S		RACK:1 SLOT:07 POINT:06			
39	%Q0039	lo_20lka001tb_disp3	DESCONEXION DE CARGAS TAB. 20LKA	DISPARO	S	20LKA001TB_DISP3	21	S		RACK:1 SLOT:07 POINT:07			
40	%Q0040	lo_20dvm011jc_cont	BOMBA 1 AGUA HELADA	ARRANQUE	S	20DVM011JC_CONT	2			RACK:1 SLOT:07 POINT:08			

41	%Q0041	lo_20dvm012jc_cont	BOMBA 2 AGUA HELADA	ARRANQUE	S	20DVM012JC_CONT	2			RACK:1 SLOT:07 POINT:09
42	%Q0042	lo_20dvm005jc_cont	VENTILADOR POZO CABLES 003ZV	ARRANQUE	S	20DVM005JC_CONT	2			RACK:1 SLOT:07 POINT:10
43	%Q0043	lo_20dvm006jc_cont	VENTILADOR POZO CABLES 004ZV	ARRANQUE	S	20DVM006JC_CONT	2			RACK:1 SLOT:07 POINT:11
44	%Q0044						1			RACK:1 SLOT:07 POINT:12
45	%Q0045						1			RACK:1 SLOT:07 POINT:13
46	%Q0046						1			RACK:1 SLOT:07 POINT:14
47	%Q0047						1			RACK:1 SLOT:07 POINT:15
48	%Q0048						1			RACK:1 SLOT:07 POINT:16
49	%Q0049						1			RACK:1 SLOT:07 POINT:17
50	%Q0050	lo_20dem001gf_cont	GRUPO FRIGORIFICO 001GF	ARRANQUE	S	20DEM001GF_CONT	2			RACK:1 SLOT:07 POINT:18
51	%Q0051	lo_20dem002gf_cont	GRUPO FRIGORIFICO 002GF	ARRANQUE	S	20DEM002GF_CONT	2			RACK:1 SLOT:07 POINT:19
52	%Q0052	lo_20dvm008va_cie	REGISTRO DE VENTILADOR 003ZV	CIERRE	S	20DVM008VA_CIE	2			RACK:1 SLOT:07 POINT:20
53	%Q0053	lo_20dvm009va_cie	REGISTRO DE VENTILADOR 004ZV	CIERRE	S	20DVM009VA_CIE	2			RACK:1 SLOT:07 POINT:21
54	%Q0054	lo_20dvm010va_cie	REGISTRO AIRE RETORNO 001ZV	CIERRE	S	20DVM010VA_CIE	2			RACK:1 SLOT:07 POINT:22
55	%Q0055	lo_20dvm011va_cie	REGISTRO AIRE RETORNO 002ZV	CIERRE	S	20DVM011VA_CIE	2			RACK:1 SLOT:07 POINT:23
56	%Q0056	lo_20dvm001va_cie	REGISTRO AIRE FRESCO 001ZV	CIERRE	S	20DVM001VA_CIE	2			RACK:1 SLOT:07 POINT:24
57	%Q0057	lo_20dvm002va_cie	REGISTRO AIRE FRESCO 002ZV	CIERRE	S	20DVM002VA_CIE	2			RACK:1 SLOT:07 POINT:25
58	%Q0058						1			RACK:1 SLOT:07 POINT:26
59	%Q0059	lo_20dvm008va_apr	REGISTRO DE VENTILADOR 003ZV	APERTURA	S	20DVM008VA_APR	2			RACK:1 SLOT:07 POINT:27
60	%Q0060	lo_20dvm009va_apr	REGISTRO DE VENTILADOR 004ZV	APERTURA	S	20DVM009VA_APR	2			RACK:1 SLOT:07 POINT:28
61	%Q0061	lo_20dvm010va_apr	REGISTRO AIRE RETORNO 001ZV	APERTURA	S	20DVM010VA_APR	2			RACK:1 SLOT:07 POINT:29
62	%Q0062	lo_20dvm011va_apr	REGISTRO AIRE RETORNO 002ZV	APERTURA	S	20DVM011VA_APR	2			RACK:1 SLOT:07 POINT:30
63	%Q0063	lo_20dvm001va_apr	REGISTRO AIRE FRESCO DE 001ZV	APERTURA	S	20DVM001VA_APR	2			RACK:1 SLOT:07 POINT:31
64	%Q0064	lo_20dvm002va_apr	REGISTRO AIRE FRESCO DE 002ZV	APERTURA	S	20DVM002VA_APR	2			RACK:1 SLOT:07 POINT:32

### III. OBSERVACIONES & COMENTARIOS



### IV. APROBACIONES

		LISTA DE SEÑALES								
		ANEXO 3								
		PROYECTO:		EVALUACIÓN Y TDR DE MODERNIZACION DEL SISTEMA DE CONTROL						
		CLIENTE:		EGEMSA	CODIGO:	TES_EGM_2020_07_LS				
I. DATOS GENERALES										
SISTEMA:		SISTEMA DE CONTROL FASE I			SUB SISTEMA:		SISTEMA DE CONTROL DE SISTEMAS AUXILIARES			
HARDWARE:		PLC MAIN AUXILIARES			FUENTE:		APLICACIÓN PLC			
TIPO:		COMUNICACIÓN S8000 - E INPUTS / LOGICAL								
ITEM	ADDRESS	MNEMONIC	LABEL	STATE 1	TO CTRLOG	VAR REF	STD	TO MMI	TO F8000	LOCATION PLC
1	%I1057	li_60plc_run	THE CONTROLLER IS RUNNING				1			LRX60M
2	%I1058	li_20lkb001jd_ab	INTERRUPTOR 20LKB001JD	ABIERTO		20LKB001JD_AB	2 S			LRX60M
3	%I1059	li_20lkb001jd_cerr	INTERRUPTOR 20LKB001JD	CERRADO		20LKB001JD_CERR	2 S			LRX60M
4	%I1060	li_20lkb001jd_ench	INTERRUPT 20LKB001JD ENCHUFADO	PRESENC			22			LRX60M
5	%I1061	li_20lkb001jd_fa	INTERRUPT 20LKB001JD FALLA	FALLA			11			LRX60M
6	%I1062	li_20lkb001jd_prep	INTERRUPTOR 20LKB001JD	PRESENC			2			LRX60M
7	%I1063	li_20lkb002jd_ab	INTERRUPTOR 20LKB002JD ABIERTO	ABIERTO		20LKB002JD_AB	2 S			LRX60M
8	%I1064	li_20lkb002jd_cerr	INTERRUPTOR 20LKB002JD CERRADO	CERRADO		20LKB002JD_CERR	2 S			LRX60M
9	%I1065	li_20lkb002jd_ench	INTERRUPTOR 20LKB002JD ENCHUFADO	PRESENC			22			LRX60M
10	%I1066	li_20lkb002jd_fa	INTERRUPTOR 20LKB002JD FALLA	FALLA			11			LRX60M
11	%I1067	li_20lkb002jd_prep	INTERRUPTOR 20LKB002JD PREPARADO	PRESENC			2			LRX60M
12	%I1068	li_20lkb003jd_ab	INTERRUPTOR 20LKB003JD ABIERTO	ABIERTO		20LKB003JD_AB	2 S			LRX60M
13	%I1069	li_20lkb003jd_cerr	INTERRUPTOR 20LKB003JD CERRADO	CERRADO		20LKB003JD_CERR	2 S			LRX60M
14	%I1070	li_20lkb003jd_ench	INTERRUPTOR 20LKB003JD ENCHUFADO	PRESENC			22			LRX60M
15	%I1071	li_20lkb003jd_fa	INTERRUPTOR 20LKB003JD FALLA	FALLA			11			LRX60M
16	%I1072	li_20lkb003jd_prep	INTERRUPTOR 20LKB003JD PREPARADO	PRESENC			2			LRX60M
17	%I1073	li_20lkb101yu_min_ten	RELE DE MINIMA DE TRANSF 10.5KV	PRESENC			11			LRX60M
18	%I1074	li_20lkb201yu_min_ten	RELE DE MINIMA DE GENER DIESEL	PRESENC			11			LRX60M
19	%I1075	li_20lkp001ga_auto	SELECT GRUPO 20LKA001JD AUTO	AUTO		20LKP001GA_AUTO	2 S			LRX60M
20	%I1076	li_20lkp001ga_fa	GRUPO ELECTROGENO 20LKP001AG	FALLA			11			LRX60M
21	%I1077	li_20lkp001ga_indispo	GRUPO ELECTROGENO 20LKP001AG	INDISPO			21			LRX60M
22	%I1078	li_20lkp001ga_lst	GRUPO ELETROG 20LKP001AG LISTO	PRESENC			2			LRX60M
23	%I1079	li_20lkp001ga_man	SELECT GRUPO ELECTR 20LKA001JD	MANU		20LKP001GA_MAN	2 S			LRX60M
24	%I1080	li_20lkp001ga_mar	GRUPO 20LKA001JD EN MARCHA	PRESENC		20LKP001GA_MAR	2 S			LRX60M
25	%I1081	li_20lkp001ga_n_baja	NIVEL BAJO DEPOSITO 900 LITROS	PRESENC			21			LRX60M
26	%I1082	li_20lkp001ga_n_bajb	NIVEL BAJO DEPOSITO 10000 LITROS	PRESENC			21			LRX60M
27	%I1083	li_20lkp001ga_paro	PARADE DE EMERGENC 20LKP001AG	PRESENC			11			LRX60M
28	%I1084	li_20lkp001ga_pru	SELECT GRUPO ELECTR 20LKA001JD	PRUEBA			2			LRX60M
29	%I1085	li_60lrx_polar_ihr_b_sl8	POLARIDAD IHR_B SLOT8	PRESENC			12			LRX60M
30	%I1086	li_60lga001jd_cerr	INTERRUPTOR 60LGA001JD	CERRADO			2			LRX60M
31	%I1087	li_60lga001jd_ab	INTERRUPTOR 60LGA001JD	ABIERTO			2			LRX60M
32	%I1088						1			LRX60M
33	%I1105	li_01plc_run	THE CONTROLLER IS RUNNING	DETECT			1			GTA01M
34	%I1106	li_61lrt001jd_c_cerr	G1 INTERRUPTOR 138KV ESTD	CERRADO		61LRT001JD_C_CERR	2 S			GTA01M
35	%I1107	li_61lrt001js_c_cerr	G1 SECCIONADOR 138KV ESTD	CERRADO		61LRT001JS_C_CERR	2 S			GTA01M
36	%I1108	li_01gta001js_13kv_ab	G1 SECCIONADOR 13.8KV GTA001JS	ABIERTO		01GTA001JS_13KV_AB	2 S			GTA01M
37	%I1109	li_01gta001js_13kv_cerr	G1 SECCIONADOR 13.8KV GTA001JS	CERRADO		01GTA001JS_13KV_CERR	2 S			GTA01M
38	%I1110	li_01gta_20sra_info_fin	G1 20SRA INFORMACION P_PARAR	DETECT			2			GTA01M
39	%I1111	li_01gta_20sra_pet_arrq	G1 20SRA PETICION P_ARRANQUE	DETECT			2			GTA01M
40	%I1112	li_01gta_ee_450rpm	G1 VAR_INT EE 450RPM	DETECT			5			GTA01M
41	%I1113	li_61lrt_001jd_o_ab	G1 INTERRUPTOR 138KV ESTD	ABIERTO			2			GTA01M
42	%I1114						1			GTA01M
43	%I1115						1			GTA01M
44	%I1116						1			GTA01M







		LISTA DE SEÑALES										
		ANEXO 3										
		PROYECTO:		EVALUACIÓN Y TDR DE MODERNIZACION DEL SISTEMA DE CONTROL								
		CLIENTE:		EGEMSA		CODIGO:		TES_EGM_2020_07_LS				
I. DATOS GENERALES												
SISTEMA:		SISTEMA DE CONTROL FASE I				SUB SISTEMA:		SISTEMA DE CONTROL DE SERVICIOS AUXILIARES				
HARDWARE:		PLC MAIN AUXILIARES				FUENTE:		APLICACIÓN PLC				
TIPO:		COMUNICACIÓN F8000 - E INPUTS / LOGICAL										
II. TABLA DE DATOS												
ITEM	ADDRESS	MNEMONIC	LABEL	STATE 1	TO CTRLG	TO 8000-E	VAR REF	STD	TO MMI	LOCATION PLC		
1	%I0033	li_20kki002az_r0_sl3	POLARIDAD IHR RACK0 SLOT3	PRESENC			20KKL002AZ_R0_SL3	12 S		KKL20I Address %I001		
2	%I0034	li_20kki002az_sincro	SEÑAL DE SINCRONISMO	PRESENC			20KKL002AZ_SINCRO	2 S		KKL20I Address %I002		
3	%I0035	li_20lga001tb_fa_aux	CTOS. AUXILIARES TAB. 20LGA001TB	FALLA			20LGA001TB_FA_AUX	21 S		KKL20I Address %I003		
4	%I0036	li_20lga001tb_fa_110v	ALIMENT. 110VCC TAB. 20LGA001TB	FALLA			20LGA001TB_FA_110V	21 S		KKL20I Address %I004		
5	%I0037	li_20lga002tb_fa_aux	CTOS. AUXILIARES TAB. 20LGA002TB	FALLA		BS	20LGA002TB_FA_AUX	21 S		KKL20I Address %I005		
6	%I0038	li_20lga002tb_fa_110v	ALIMENT. 110VCC TAB. 20LGA002TB	FALLA			20LGA002TB_FA_110V	21 S		KKL20I Address %I006		
7	%I0039	li_20lga001jd_cerr	INT. LLEGADA G1 A TRFO. 13.8/4	CERRADO		BS	20LGA001JD_CERR	2 S		KKL20I Address %I007		
8	%I0040	li_20lga001jd_ab	INT. LLEGADA G1 A TRFO. 13.8/4	ABIERTO		BS	20LGA001JD_AB	2 S		KKL20I Address %I008		
9	%I0041	li_20lga001jd_extraido	INT. LLEGADA G1 A TRFO. 13.8/4	N-CONECT			20LGA001JD_EXTRAIDO	21 S		KKL20I Address %I009		
10	%I0042	li_20lga001jd_fa_sf6	INT. G1 A TRFO. 13.8/4 SF6	FALLA			20LGA001JD_FA_SF6	11 S		KKL20I Address %I010		
11	%I0043	li_20lga001jd_sf6_bajo	INT. LLEGADA G1 A TRFO. 13.8/4	ALARMA			20LGA001JD_SF6_BAJO	21 S		KKL20I Address %I011		
12	%I0044	li_20lga001jd_rem	INT. LLEGADA G1 A TRFO. 13.8/4	REMOTO			20LGA001JD_REM	2 S		KKL20I Address %I012		
13	%I0045	li_20lga001js_estd	SECC.A TIERRA GRUPO 1	CERRADO			20LGA001JS_ESTD	2 S		KKL20I Address %I013		
14	%I0046							1		KKL20I Address %I014		
15	%I0047							1		KKL20I Address %I015		
16	%I0048							1		KKL20I Address %I016		
17	%I0049	li_20lga002jd_cerr	INT. LLEGADA G2 A TRFO. 13.8/4	CERRADO		BS	20LGA002JD_CERR	2 S		KKL20I Address %I017		
18	%I0050	li_20lga002jd_ab	INT. LLEGADA G2 A TRFO. 13.8/4	ABIERTO		BS	20LGA002JD_AB	2 S		KKL20I Address %I018		
19	%I0051	li_20lga002jd_extraido	INT. LLEGADA G2 A TRFO. 13.8/4	N-CONECT			20LGA002JD_EXTRAIDO	21 S		KKL20I Address %I019		
20	%I0052	li_20lga002jd_fa_sf6	INT. G2 A TRFO. 13.8/4 SF6	FALLA			20LGA002JD_FA_SF6	11 S		KKL20I Address %I020		
21	%I0053	li_20lga002jd_sf6_bajo	INT. LLEGADA G2 A TRFO. 13.8/4	ALARMA			20LGA002JD_SF6_BAJO	21 S		KKL20I Address %I021		
22	%I0054	li_20lga002jd_rem	INT. LLEGADA G2 A TRFO. 13.8/4	REMOTO			20LGA002JD_REM	2 S		KKL20I Address %I022		
23	%I0055	li_20lga002js_estd	SECC.A TIERRA GRUPO 2	CERRADO			20LGA002JS_ESTD	2 S		KKL20I Address %I023		
24	%I0056							1		KKL20I Address %I024		
25	%I0057	li_20lga003jd_cerr	INT. LLEGADA G3 A TRFO. 13.8/4	CERRADO		BS	20LGA003JD_CERR	2 S		KKL20I Address %I025		
26	%I0058	li_20lga003jd_ab	INT. LLEGADA G3 A TRFO. 13.8/4	ABIERTO		BS	20LGA003JD_AB	2 S		KKL20I Address %I026		
27	%I0059	li_20lga003jd_extraido	INT. LLEGADA G3 A TRFO. 13.8/4	N-CONECT			20LGA003JD_EXTRAIDO	21 S		KKL20I Address %I027		
28	%I0060	li_20lga003jd_fa_sf6	INT. G3 A TRFO. 13.8/4 SF6	FALLA			20LGA003JD_FA_SF6	11 S		KKL20I Address %I028		
29	%I0061	li_20lga003jd_sf6_bajo	INT. LLEGADA G3 A TRFO. 13.8/4	ALARMA			20LGA003JD_SF6_BAJO	21 S		KKL20I Address %I029		
30	%I0062	li_20lga003jd_rem	INT. LLEGADA G3 A TRFO. 13.8/4	REMOTO			20LGA003JD_REM	2 S		KKL20I Address %I030		
31	%I0063	li_20lga003js_estd	SECC.A TIERRA GRUPO 3	CERRADO			20LGA003JS_ESTD	2 S		KKL20I Address %I031		
32	%I0064							1		KKL20I Address %I032		
33	%I0065	li_20kki002az_r0_sl4	POLARIDAD IHR RACK0 SLOT4	PRESENC			20KKL002AZ_R0_SL4	12 S		KKL20I Address %I033		
34	%I0066	li_20lka001ts_fa_51	TRANSFORMADOR 13.8/4KV G1, G2	DISPARO			20LKA001TS_FA_51	11 S		KKL20I Address %I034		
35	%I0067	li_20lka001ts_fa_51n	TRANSFORMADOR 13.8/4KV G1, G2	DISPARO			20LKA001TS_FA_51N	11 S		KKL20I Address %I035		
36	%I0068	li_20lka001ts_fa_re51	RELE 51 PROT. TRANSF. 20LKA001TS	FALLA			20LKA001TS_FA_RE51	21 S		KKL20I Address %I036		
37	%I0069	li_01gta003ar_min_ten	G1 INTERRUPTOR 138KV	ABIERTO			01GTA003AR_MIN_TEN	2 S		KKL20I Address %I037		
38	%I0070	li_20lka002ts_fa_51	TRANSFORMADOR 13.8/4KV G3	DISPARO			20LKA002TS_FA_51	11 S		KKL20I Address %I038		
39	%I0071	li_20lka002ts_fa_51n	TRANSFORMADOR 13.8/4KV G3	DISPARO			20LKA002TS_FA_51N	11 S		KKL20I Address %I039		
40	%I0072	li_20lka002ts_fa_re51	RELE 51 PROT. TRANSF. 20LKA002TS	FALLA			20LKA002TS_FA_RE51	21 S		KKL20I Address %I040		
41	%I0073	li_03gta003ar_min_ten	G3 INTERRUPTOR 138KV	ABIERTO			03GTA003AR_MIN_TEN	2 S		KKL20I Address %I041		
42	%I0074	li_02gta003ar_min_ten	G2 INTERRUPTOR 138KV	ABIERTO			02GTA003AR_MIN_TEN	2 S		KKL20I Address %I042		
43	%I0075	li_20lka001jd_cerr	INT. LLEGADA TRANSF. 20LKA001TS	CERRADO			20LKA001JD_CERR	2 S		KKL20I Address %I043		

44	%I0076	li_20lka001jd_ab	INT. LLEGADA TRANSF. 20LKA001TS	ABIERTO			20LKA001JD_AB		2	S	KKL20I Address %I044
45	%I0077	li_20lka001jd_fa	INT. LLEGADA TRANSF. 20LKA001TS	FALLA			20LKA001JD_FA		11	S	KKL20I Address %I045
46	%I0078	li_20lka001jd_disp	INT. LLEGADA TRANSF. 20LKA001TS	DISPO			20LKA001JD_DISP		2	S	KKL20I Address %I046
47	%I0079	li_20lka001jd_enchufado	INT. LLEGADA TRANSF. 20LKA001TS	CONECTAD			20LKA001JD_ENCHUFADO		22	S	KKL20I Address %I047
48	%I0080	li_20lka101yu_min_ten	TENSION TRANSFORMADOR 20LKA001TS	MINIMO			20LKA101YU_MIN_TEN		11	S	KKL20I Address %I048
49	%I0081	li_20lba001rd_fa_eq	RECTIFICADOR 110VCC NO.1	FALLA			20LBA001RD_FA_EQ		11	S	KKL20I Address %I049
50	%I0082	li_20lba001rd_fa_tie	TIERRA RECTIFICADOR 110V NO.1	FALLA			20LBA001RD_FA_TIE		11	S	KKL20I Address %I050
51	%I0083	li_20lba001rd_fa_fus	FUSIBLE RECTIFICADOR 110V NO.1	FALLA			20LBA001RD_FA_FUS		11	S	KKL20I Address %I051
52	%I0084	li_20lba001rd_fa_380v	ALIMENT. 380V RECTIFICADOR NO.1	FALLA			20LBA001RD_FA_380V		11	S	KKL20I Address %I052
53	%I0085	li_20lba001rd_min_max	SUB/SOBRE TENSION RECTIF NO.1	FALLA			20LBA001RD_MIN_MAX		11	S	KKL20I Address %I053
54	%I0086	li_20lba001rd_carga	RECTIF. 110V NO.1 MODO CARGA	DETECT			20LBA001RD_CARGA		2	S	KKL20I Address %I054
55	%I0087	li_20lba001rd_flotante	RECTIF. 110V NO.1 MODO FLOTANTE	DETECT			20LBA001RD_FLOTANTE		2	S	KKL20I Address %I055
56	%I0088	li_20lba001cr_fa_fus	FUSIBLE BANCO BATERIAS NO.1	FALLA			20LBA001CR_FA_FUS		11	S	KKL20I Address %I056
57	%I0089	li_20lba002rd_fa_eq	RECTIFICADOR 110VCC NO.2	FALLA			20LBA002RD_FA_EQ		11	S	KKL20I Address %I057
58	%I0090	li_20lba002rd_fa_tie	TIERRA RECTIFICADOR 110V NO.2	FALLA			20LBA002RD_FA_TIE		11	S	KKL20I Address %I058
59	%I0091	li_20lba002rd_fa_fus	FUSIBLE RECTIFICADOR 110V NO.2	FALLA			20LBA002RD_FA_FUS		11	S	KKL20I Address %I059
60	%I0092	li_20lba002rd_fa_380v	ALIMENT. 380V RECTIFICADOR NO.2	FALLA			20LBA002RD_FA_380V		11	S	KKL20I Address %I060
61	%I0093	li_20lba002rd_min_max	SUB/SOBRE TENSION RECTIF NO.2	FALLA			20LBA002RD_MIN_MAX		11	S	KKL20I Address %I061
62	%I0094	li_20lba002rd_carga	RECTIF. 110V NO.2 MODO CARGA	DETECT			20LBA002RD_CARGA		2	S	KKL20I Address %I062
63	%I0095	li_20lba002rd_flotante	RECTIF. 110V NO.2 MODO FLOTANTE	DETECT			20LBA002RD_FLOTANTE		2	S	KKL20I Address %I063
64	%I0096	li_20lba002cr_fa_fus	FUSIBLE BANCO BATERIAS NO.2	FALLA			20LBA002CR_FA_FUS		11	S	KKL20I Address %I064
65	%I0097	li_20kkl002az_r0_sl5	POLARIDAD IHR RACK0 SLOT5	PRESENC			20KKL002AZ_R0_SL5		12	S	KKL20I Address %I065
66	%I0098	li_20lka002jd_cerr	INT. LLEGADA TRANSF. 20LKA002TS	CERRADO			20LKA002JD_CERR		2	S	KKL20I Address %I066
67	%I0099	li_20lka002jd_ab	INT. LLEGADA DE TRF. 20LKA002TS	ABIERTO			20LKA002JD_AB		2	S	KKL20I Address %I067
68	%I0100	li_20lka002jd_fa	INT. LLEGADA TRANSF. 20LKA002TS	FALLA			20LKA002JD_FA		11	S	KKL20I Address %I068
69	%I0101	li_20lka002jd_disp	INT. LLEGADA TRANSF. 20LKA002TS	DISPO			20LKA002JD_DISP		2	S	KKL20I Address %I069
70	%I0102	li_20lka002jd_enchufado	INT. LLEGADA TRANSF. 20LKA002TS	CONECTAD			20LKA002JD_ENCHUFADO		22	S	KKL20I Address %I070
71	%I0103	li_20lka201yu_min_ten	TENSION TRANSFORMADOR 20LKA002TS	MINIMO			20LKA201YU_MIN_TEN		11	S	KKL20I Address %I071
72	%I0104	li_20lka003jd_cerr	INT. LLEGADA DE TAB. 20LKB001TB	CERRADO			20LKA003JD_CERR		2	S	KKL20I Address %I072
73	%I0105	li_20lka003jd_ab	INT. LLEGADA TABLERO 20LKB001TB	ABIERTO			20LKA003JD_AB		2	S	KKL20I Address %I073
74	%I0106	li_20lka003jd_fa	INT. LLEGADA TABLERO 20LKB001TB	FALLA			20LKA003JD_FA		11	S	KKL20I Address %I074
75	%I0107	li_20lka003jd_disp	INT. LLEGADA DESDE 20LKB001TB	DISPO			20LKA003JD_DISP		2	S	KKL20I Address %I075
76	%I0108	li_20lka003jd_enchufado	INT. LLEGADA TABLERO 20LKB001TB	CONECTAD			20LKA003JD_ENCHUFADO		22	S	KKL20I Address %I076
77	%I0109	li_20lka301yu_min_ten	TENSION TABLERO 20LKB001TB	MINIMO			20LKA301YU_MIN_TEN		11	S	KKL20I Address %I077
78	%I0110	li_20lka007jd_cerr	INT. ACOPLAMIENTO DE BARRAS 380V	CERRADO			20LKA007JD_CERR		2	S	KKL20I Address %I078
79	%I0111	li_20lka007jd_ab	INT. ACOPLAMIENTO BARRAS 20LKA	ABIERTO			20LKA007JD_AB		2	S	KKL20I Address %I079
80	%I0112	li_20lka007jd_fa	INT. ACOPLAMIENTO DE BARRAS	FALLA			20LKA007JD_FA		11	S	KKL20I Address %I080
81	%I0113	li_20lka007jd_disp	INT. ACOPLAMIENTO BARRAS 380V	DISPO			20LKA007JD_DISP		2	S	KKL20I Address %I081
82	%I0114	li_20lka007jd_enchufado	INT. ACOPLAMIENTO BARRAS 380V	CONECTAD			20LKA007JD_ENCHUFADO		22	S	KKL20I Address %I082
83	%I0115	li_20lkp001jd_estd	INT. AUXILIARES GEN. DIESEL	CERRADO			20LKP001JD_ESTD		2	S	KKL20I Address %I083
84	%I0116	li_20lkp001jd_fa	INT. AUXILIARES GEN. DIESEL	FALLA			20LKP001JD_FA		21	S	KKL20I Address %I084
85	%I0117								1		KKL20I Address %I085
86	%I0118	li_20sra001jd_estd	INT. FILTROS AGUA REFRIGERACION	CERRADO			20SRA001JD_ESTD		2	S	KKL20I Address %I086
87	%I0119	li_20sra001jd_fa	INT. FILTROS AGUA REFRIGERACION	FALLA			20SRA001JD_FA		21	S	KKL20I Address %I087
88	%I0120								1		KKL20I Address %I088
89	%I0121	li_20lna001jd_estd	INT. ALIMENT. RESPAL. ONDUL. 1	CERRADO			20LNA001JD_ESTD		2	S	KKL20I Address %I089
90	%I0122	li_20lna001jd_fa	INT. ALIMENT. RESPAL. ONDUL. 1	FALLA			20LNA001JD_FA		21	S	KKL20I Address %I090
91	%I0123	li_20lka002ts_temp	TEMP. TRANSF. 13.8/4KV 002TS	ALARMA			20LKA002TS_TEMP		21	S	KKL20I Address %I091
92	%I0124	li_20lba001jd_estd	INT. RECTIFICADOR 110VCC NO.1	CERRADO			20LBA001JD_ESTD		2	S	KKL20I Address %I092
93	%I0125	li_20lba001jd_fa	INT. RECTIFICADOR 110VCC NO.1	FALLA			20LBA001JD_FA		21	S	KKL20I Address %I093
94	%I0126	li_20lka001ts_temp	TEMP. TRANSF. 13.8/4KV 001TS	ALARMA			20LKA001TS_TEMP		21	S	KKL20I Address %I094
95	%I0127	li_20lka001ts_sob_temp	TEMP. TRANSF. 13.8/4KV 001TS	FALLA			20LKA001TS_SOB_TEMP		11	S	KKL20I Address %I095
96	%I0128	li_20lka002ts_sob_temp	TEMP. TRANSF. 13.8/4KV 002TS	FALLA			20LKA002TS_SOB_TEMP		11	S	KKL20I Address %I096
97	%I0129	li_20kkl002az_r0_sl6	POLARIDAD IHR RACK0 SLOT6	PRESENC			20KKL002AZ_R0_SL6		12	S	KKL20I Address %I097

98	%I0130	li_20dpf001jd_estd	INT. TOMA CORRIENTES 001CR	CERRADO			20DPF001JD_ESTD	2	S	KKL20I Address %I098
99	%I0131	li_20dpf001jd_fa	INT. TOMA CORRIENTES 001CR	FALLA			20DPF001JD_FA	21	S	KKL20I Address %I099
100	%I0132							1		KKL20I Address %I100
101	%I0133	li_20spr001jd_estd	INT. COMPRESOR AIRE REG. NO.1	CERRADO			20SPR001JD_ESTD	2	S	KKL20I Address %I101
102	%I0134	li_20spr001jd_fa	INT. COMPRESOR AIRE REG. NO.2	FALLA			20SPRF001JD_FA	21	S	KKL20I Address %I102
103	%I0135							1		KKL20I Address %I103
104	%I0136	li_20sra002jd_estd	INT. ARRANC. BOMBA AGUA 001CR	CERRADO			20SRA002JD_ESTD	2	S	KKL20I Address %I104
105	%I0137	li_20sra002jd_fa	INT. ARRANC. BOMBA AGUA 001CR	FALLA			20SRA002JD_FA	21	S	KKL20I Address %I105
106	%I0138							1		KKL20I Address %I106
107	%I0139	li_20sra003jd_estd	INT. ARRANC. BOMBA AGUA 003CR	CERRADO			20SRA003JD_ESTD	2	S	KKL20I Address %I107
108	%I0140	li_20sra003jd_fa	INT. ARRANC. BOMBA AGUA 003CR	FALLA			20SRA003JD_FA	21	S	KKL20I Address %I108
109	%I0141							1		KKL20I Address %I109
110	%I0142	li_20dnm001jd_estd	INT. DISTRIBUIDOR ALUMBRADO	CERRADO			20DNM001JD_ESTD	2	S	KKL20I Address %I110
111	%I0143	li_20dnm001jd_fa	INT. DISTRIBUIDOR ALUMBRADO	FALLA			20DNM001JD_FA	21	S	KKL20I Address %I111
112	%I0144							1		KKL20I Address %I112
113	%I0145	li_20dvm001jd_estd	INT. DIST. DE VENTILACION 001JD	CERRADO			20DVM001JD_ESTD	2	S	KKL20I Address %I113
114	%I0146	li_20dvm001jd_fa	INT. DIST. DE VENTILACION 001JD	FALLA			20DVM001JD_FA	21	S	KKL20I Address %I114
115	%I0147							1		KKL20I Address %I115
116	%I0148	li_03gta001jd_estd	INT. DISTRIBUIDOR GRUPO3 BAR1	CERRADO			03GTA001JD_ESTD	2	S	KKL20I Address %I116
117	%I0149	li_03gta001jd_fa	INT. DISTRIBUIDOR GRUPO3 BAR1	FALLA			03GTA001JD_FA	21	S	KKL20I Address %I117
118	%I0150							1		KKL20I Address %I118
119	%I0151	li_02gta001jd_estd	INT. DISTRIBUIDOR GRUPO2 BAR1	CERRADO			02GTA001JD_ESTD	2	S	KKL20I Address %I119
120	%I0152	li_02gta001jd_fa	INT. DISTRIBUIDOR GRUPO2 BAR1	FALLA			02GTA001JD_FA	21	S	KKL20I Address %I120
121	%I0153							1		KKL20I Address %I121
122	%I0154	li_01gta001jd_estd	INT. DISTRIBUIDOR GRUPO1 BAR1	CERRADO			01GTA001JD_ESTD	2	S	KKL20I Address %I122
123	%I0155	li_01gta001jd_fa	INT. DISTRIBUIDOR GRUPO1 BAR1	FALLA			01GTA001JD_FA	21	S	KKL20I Address %I123
124	%I0156							1		KKL20I Address %I124
125	%I0157	li_03gta002jd_estd	INT. DISTRIBUIDOR GRUPO3 BAR2	CERRADO			03GTA002JD_ESTD	2	S	KKL20I Address %I125
126	%I0158	li_03gta002jd_fa	INT. DISTRIBUIDOR GRUPO3 BAR2	FALLA			03GTA002JD_FA	21	S	KKL20I Address %I126
127	%I0159							1		KKL20I Address %I127
128	%I0160							1		KKL20I Address %I128
129	%I0161	li_20kki002az_r0_sl7	POLARIDAD IHR RACK0 SLOT7	PRESENC			20KKL002AZ_R0_SL7	12	S	KKL20I Address %I129
130	%I0162	li_02gta002jd_estd	INT. DISTRIBUIDOR GRUPO2 BAR2	CERRADO			02GTA002JD_ESTD	2	S	KKL20I Address %I130
131	%I0163	li_02gta002jd_fa	INT. DISTRIBUIDOR GRUPO2 BAR2	FALLA			02GTA002JD_FA	21	S	KKL20I Address %I131
132	%I0164							1		KKL20I Address %I132
133	%I0165	li_01gta002jd_estd	INT. DISTRIBUIDOR GRUPO1 BAR 2	CERRADO			01GTA002JD_ESTD	2	S	KKL20I Address %I133
134	%I0166	li_01gta002jd_fa	INT. DISTRIBUIDOR GRUPO1 BAR 2	FALLA			01GTA002JD_FA	21	S	KKL20I Address %I134
135	%I0167							1		KKL20I Address %I135
136	%I0168	li_20dvm002jd_estd	INT. DIST. DE VENTILACION 002JD	CERRADO			20DVM002JD_ESTD	2	S	KKL20I Address %I136
137	%I0169	li_20dvm002jd_fa	INT. DIST. DE VENTILACION 002JD	FALLA			20DVM002JD_FA	21	S	KKL20I Address %I137
138	%I0170							1		KKL20I Address %I138
139	%I0171	li_20dnm002jd_estd	INT. DISTRIBUIDOR ALUMBRADO	CERRADO			20DNM002JD_ESTD	2	S	KKL20I Address %I139
140	%I0172	li_20dnm002jd_fa	INT. DISTRIBUIDOR ALUMBRADO	FALLA			20DNM002JD_FA	21	S	KKL20I Address %I140
141	%I0173							1		KKL20I Address %I141
142	%I0174	li_20sei001jc_estd	INT. BOMBA AGUA DE SERVICIO	CERRADO			20SEI001JC_ESTD	2	S	KKL20I Address %I142
143	%I0175	li_20sei001jc_fa	INT. BOMBA AGUA DE SERVICIO	FALLA			20SEI001JC_FA	21	S	KKL20I Address %I143
144	%I0176	li_20sei001jc_rem	INT. BOMBA AGUA DE SERVICIO	REMOTO			20SEI001JC_REM	2	S	KKL20I Address %I144
145	%I0177	li_20dam002jd_estd	INT. ASCENSOR DE ACCESO 002AC	CERRADO			20DAM002JD_ESTD	2	S	KKL20I Address %I145
146	%I0178	li_20dam002jd_fa	INT. ASCENSOR DE ACCESO 002AC	FALLA			20DAM002JD_FA	21	S	KKL20I Address %I146
147	%I0179							1		KKL20I Address %I147
148	%I0180	li_20sra005jd_estd	INT. ARRANC. BOMBA AGUA 002CR	CERRADO			20SRA005JD_ESTD	2	S	KKL20I Address %I148
149	%I0181	li_20sra005jd_fa	INT. ARRANC. BOMBA AGUA 002CR	FALLA			20SRA005JD_FA	21	S	KKL20I Address %I149
150	%I0182							1		KKL20I Address %I150
151	%I0183	li_20spr002jd_estd	INT. COMPRESOR AIRE REG. NO.2	CERRADO			20SPR002JD_ESTD	2	S	KKL20I Address %I151



152	%I0184	li_20spr002jd_fa	INT. COMPRESOR AIRE REG. NO.2	FALLA			20SPR002JD_FA	21	S	KKL20I Address %I152
153	%I0185							1		KKL20I Address %I153
154	%I0186	li_20dpf002jd_estd	INT. TOMA CORRIENTES 002CR	CERRADO			20DPF002JD_ESTD	2	S	KKL20I Address %I154
155	%I0187	li_20dpf002jd_fa	INT. TOMA CORRIENTES 002CR	FALLA			20DPF002JD_FA	21	S	KKL20I Address %I155
156	%I0188							1		KKL20I Address %I156
157	%I0189	li_20dmm002jd_estd	INT. PUENTE GRUA ACCESO 003PR	CERRADO			20DMM002JD_ESTD	2	S	KKL20I Address %I157
158	%I0190	li_20dmm002jd_fa	INT. PUENTE GRUA ACCESO 003PR	FALLA			20DMM002JD_FA	21	S	KKL20I Address %I158
159	%I0191							1		KKL20I Address %I159
160	%I0192							1		KKL20I Address %I160
161	%I0193	li_20kkl002az_r0_sl8	POLARIDAD IHR RACK0 SLOT8	PRESENC			20KKL002AZ_R0_SL8	12	S	KKL20I Address %I161
162	%I0194	li_20dam001jd_estd	INT. ASCENSOR DE ACCESO 01AC	CERRADO			20DAM001JD_ESTD	2	S	KKL20I Address %I162
163	%I0195	li_20dam001jd_fa	INT. ASCENSOR DE ACCESO 01AC	FALLA			20DAM001JD_FA	21	S	KKL20I Address %I163
164	%I0196							1		KKL20I Address %I164
165	%I0197	li_20lka016jd_estd	INT. SECADOR AIRE REGULACION	CERRADO			20LKA016JD_ESTD	2	S	KKL20I Address %I165
166	%I0198	li_20lka016jd_fa	INT. SECADOR AIRE REGULACION	FALLA			20LKA016JD_FA	21	S	KKL20I Address %I166
167	%I0199							1		KKL20I Address %I167
168	%I0200	li_20dmm001jd_estd	INT. PUENTE GRUA CASA MQ. 001PR	CERRADO			20DMM001JD_ESTD	2	S	KKL20I Address %I168
169	%I0201	li_20dmm001jd_fa	INT. PUENTE GRUA CASA MQ. 001PR	FALLA			20DMM001JD_FA	21	S	KKL20I Address %I169
170	%I0202							1		KKL20I Address %I170
171	%I0203	li_20sat001jd_estd	INT. COMPRESOR AIRE SERVICIO	CERRADO			20SAT001JD_ESTD	2	S	KKL20I Address %I171
172	%I0204	li_20sat001jd_fa	INT. COMPRESOR AIRE SERVICIO	FALLA			20SAT001JD_FA	21	S	KKL20I Address %I172
173	%I0205							1		KKL20I Address %I173
174	%I0206	li_20lba002jd_estd	INT. RECTIFICADOR 110VCC NO.2	CERRADO			20LBA002JD_ESTD	2	S	KKL20I Address %I174
175	%I0207	li_20lba002jd_fa	INT. RECTIFICADOR 110VCC NO.2	FALLA			20LBA002JD_FA	21	S	KKL20I Address %I175
176	%I0208							1		KKL20I Address %I176
177	%I0209	li_20lca001jd_estd	INT. RECTIFICADOR 48VCC NO.1	CERRADO			20LCA001JD_ESTD	2	S	KKL20I Address %I177
178	%I0210	li_20lca001jd_fa	INT. RECTIFICADOR 48VCC NO.1	FALLA			20LCA001JD_FA	21	S	KKL20I Address %I178
179	%I0211							1		KKL20I Address %I179
180	%I0212	li_20lda001jd_estd	INT. RECTIFICADOR 48VCC NO.2	CERRADO			20LDA001JD_ESTD	2	S	KKL20I Address %I180
181	%I0213	li_20lda001jd_fa	INT. RECTIFICADOR 48VCC NO.2	FALLA			20LDA001JD_FA	21	S	KKL20I Address %I181
182	%I0214	li_20lka017jd_estd	INT. TRAT. ACEITE TRFO POT 002PJ	CERRADO			20LKA017JD_ESTD	2	S	KKL20I Address %I182
183	%I0215	li_20lka017jd_fa	INT. TRAT. ACEITE TRFO POT 002PJ	FALLA			20LKA017JD_FA	21	S	KKL20I Address %I183
184	%I0216							1		KKL20I Address %I184
185	%I0217							1		KKL20I Address %I185
186	%I0218							1		KKL20I Address %I186
187	%I0219							1		KKL20I Address %I187
188	%I0220							1		KKL20I Address %I188
189	%I0221	li_20lka009jd_estd	INT. TRAT. ACEITE TRFO. POT 001PJ	CERRADO			20LKA009JD_ESTD	2	S	KKL20I Address %I189
190	%I0222	li_20lka009jd_fa	INT. TRAT. ACEITE TRFO. POT 001PJ	FALLA			20LKA009JD_FA	21	S	KKL20I Address %I190
191	%I0223	li_20sra004jd_estd	INT. FILTRO AGUA REFRIG. 101FI	CERRADO			20SRA004JD_ESTD	2	S	KKL20I Address %I191
192	%I0224	li_20sra004jd_fa	INT. FILTRO AGUA REFRIG. 101FI	FALLA			20SRA004JD_FA	21	S	KKL20I Address %I192

### III. OBSERVACIONES & COMENTARIOS

--

### IV. APROBACIONES

--

		LISTA DE SEÑALES									
		ANEXO 3									
		PROYECTO:		EVALUACIÓN Y TDR DE MODERNIZACION DEL SISTEMA DE CONTROL							
		CLIENTE:		EGEMSA		CODIGO:					
I. DATOS GENERALES											
SISTEMA:		SISTEMA DE CONTROL FASE I				SUB SISTEMA:		SISTEMA DE CONTROL DE SISTEMAS AUXILIARES			
HARDWARE:		PLC MAIN AUXILIARES				FUENTE:		APLICACIÓN PLC			
TIPO:		VARIABLES DEL PROCESO / LOGICAL									
II. TABLA DE DATOS											
ITEM	ADDRESS	MNEMONIC	LABEL	STATE 1	FROM/TO CTRLOG	TO S8000-E	VAR REF	STD	FROM/TO MMI	ADDR. LOCKED	TO F8000
1	%M0129	lc_20lga_k_001jd_apr	INT. LLEGADA DESDE GRUPO 1	APERTURA	C		20LGA_K_001JD_APR	2			
2	%M0130	lc_20lga_k_001jd_cie	INT. LLEGADA DESDE GRUPO 1	CIERRE	C		20LGA_K_001JD_CIE	2			
3	%M0131	lc_20lga_k_002jd_apr	INT. LLEGADA DESDE GRUPO 2	APERTURA	C		20LGA_K_002JD_APR	2			
4	%M0132	lc_20lga_k_002jd_cie	INT. LLEGADA DESDE GRUPO 2	CIERRE	C		20LGA_K_002JD_CIE	2			
5	%M0133	lc_20lga_k_003jd_apr	INT. LLEGADA DESDE GRUPO 3		C		20LGA_K_003JD_APR	2			
6	%M0134	lc_20lga_k_003jd_cie	INT. LLEGADA DESDE GRUPO 3	CIERRE	C		20LGA_K_003JD_CIE	2			
7	%M0135	lc_20lka_k_001jd_apr	INT. LLEGADA DE 20LKA001TS	APERTURA	C		20LKA_K_001JD_APR	2			
8	%M0136	lc_20lka_k_001jd_cie	INT. LLEGADA DE 20LKA001TS	CIERRE	C		20LKA_K_001JD_CIE	2			
9	%M0137	lc_20lka_k_002jd_apr	INT. LLEGADA DE 20LKA002TS	APERTURA	C		20LKA_K_002JD_APR	2			
10	%M0138	lc_20lka_k_002jd_cie	INT. LLEGADA DE 20LKA002TS	CIERRE	C		20LKA_K_002JD_CIE	2			
11	%M0139	lc_20lka_k_003jd_apr	INT. LLEGADA DE 20LKA003TS		C		20LKA_K_003JD_APR	2			
12	%M0140	lc_20lka_k_003jd_cie	INT. LLEGADA DE 20LKA003TS	CIERRE	C		20LKA_K_003JD_CIE	2			
13	%M0141	lc_20lka_k_007jd_apr	INT. ACOPLAMIENTO DE BARRAS 380V	APERTURA	C		20LKA_K_007JD_APR	2			
14	%M0142	lc_20lka_k_007jd_cie	INT. ACOPLAMIENTO DE BARRAS 380V	CIERRE	C		20LKA_K_007JD_CIE	2			
15	%M0143	lc_20lkb_k_001jd_apr	INT. LLEGADA DE TRFO. 10.5/4KV	APERTURA	C		20LKB_K_001JD_APR	2			
16	%M0144	lc_20lkb_k_001jd_cie	INT. LLEGADA DE TRFO. 10.5/4KV	CIERRE	C		20LKB_K_001JD_CIE	2			
17	%M0145	lc_20lkb_k_002jd_apr	INT. LLEGADA DE GEN. DIESEL	APERTURA	C		20LKB_K_002JD_APR	2			
18	%M0146	lc_20lkb_k_002jd_cie	INT. LLEGADA DE GEN. DIESEL	CIERRE	C		20LKB_K_002JD_CIE	2			
19	%M0147	lc_20lkb_k_003jd_apr	INT. DE SALIDA A TAB. 20LKA001TB	APERTURA	C		20LKB_K_003JD_APR	2			
20	%M0148	lc_20lkb_k_003jd_cie	INT. DE SALIDA A TAB. 20LKA001TB	CIERRE	C		20LKB_K_003JD_CIE	2			
21	%M0149	lc_20lkp_k_001ga_mar	GENERADOR DIESEL	ARRANQUE	C		20LKP_K_001GA_MAR	2			
22	%M0150	lc_20lkp_k_001ga_par	GENERADOR DIESEL	PARO	C		20LKP_K_001GA_PAR	2			
23	%T065	lc_kkl_i_aux00_valid	TECLA EJECUTAR AUX00				KKL_I_AUX00_VALID	2	C		
24	%T066	lc_kkl_i_axa00_valid	TECLA EJECUTAR AXA00				KKL_I_AXA00_VALID	2	C		
25	%T070	lc_kkl_i_clear_ala					KKL_I_CLEAR_ALA	2	C		
26	%T067	lc_kkl_i_dvm01_valid	TECLA EJECUTAR DVM01				KKL_I_DVM01_VALID	2	C		
27	%T231	lc_kkl_i_sirena_apaga					KKL_I_SIRENA_APAGA	1	C		
28	%T232	lc_kkl_i_sirena_inhibe					KKL_I_SIRENA_INHIBE	1	C		
29	%T068	lc_kkl_i_sra01_valid	TECLA EJECUTAR SRA01				KKL_I_SRA01_VALID	2	C		
30	%T069	lc_kkl_i_srb00_valid	TECLA EJECUTAR SRB00				KKL_I_SRB00_VALID	2	C		
31	%M0151	lc_lga_k_auto	SET MODO DE CONTROL SIST. LGA/LKA	AUTO	C		LGA_K_AUTO	2			
32	%M0152	lc_lga_k_manual	SET MODO DE CONTROL SIST. LGA/LKA	MANU	C		LGA_K_MANUAL	2			
33	%M0153	lc_lga_k_sum1	SET ALIMENT. SERV. AUXIL. SUM.1	SELECC	C		LGA_K_SUM1	2			
34	%M0154	lc_lga_k_sum2	SET ALIMENT. SERV. AUXIL. SUM.2	SELECC	C		LGA_K_SUM2	2			
35	%M0155	lc_lga_k_sum3	SET ALIMENT. SERV. AUXIL. SUM.3	SELECC	C		LGA_K_SUM3	2			
36	%M3617	lv_01gta_paro						1			
37	%M3618	lv_01gta_paro_rapido	G1 SISTEMA 20SRA	FALLA		BS	01GTA_PARO_RAPIDO	11	S		
38	%M3619	lv_02gta_paro						1			
39	%M3620	lv_02gta_paro_rapido	G2 SISTEMA 20SRA	FALLA		BS	02GTA_PARO_RAPIDO	11	S		
40	%M3621	lv_03gta_paro						1			
41	%M3622	lv_03gta_paro_rapido	G3 SISTEMA 20SRA	FALLA		BS	03GTA_PARO_RAPIDO	11	S		
42	%M3697	lv_20dem001gf_libre						1			
43	%M3785	lv_20dem001gf_paro						1			

44	%M3623	lv_20dem002ba_pres_baja	PRESION EN DEPOSITO 002BA	ALARMA	S		20DEM002BA_PRES_BAJA	21	S		
45	%M3780	lv_20dem002gf_libre						1			
46	%M3849	lv_20dem002gf_paro						1			
47	%M3624	lv_20dem004ba_pres_baja	PRESION EN DEPOSITO 004BA	ALARMA	S		20DEM004BA_PRES_BAJA	21	S		
48	%M3625	lv_20dvm001_va_fa						1			
49	%M3626	lv_20dvm001_va_falla	REGISTRO 001VA	FALLA	S		20DVM001_VA_FALLA	21	S		
50	%M3627	lv_20dvm001zv_armq						1			
51	%M3873	lv_20dvm001zv_aux						1			
52	%M3628	lv_20dvm001zv_fa						1			
53	%M3629	lv_20dvm001zv_falla	VENTILADOR 001ZV	FALLA	S		20DVM001ZV_FALLA	21	S		
54	%M3630	lv_20dvm001zv_paro						1			
55	%M3874	lv_20dvm001zv_paro1						1			
56	%M3631	lv_20dvm002va_fa						1			
57	%M3632	lv_20dvm002va_falla	REGISTRO 002VA	FALLA	S		20DVM002VA_FALLA	21	S		
58	%M3633	lv_20dvm002zv_armq						1			
59	%M3876	lv_20dvm002zv_aux						1			
60	%M3634	lv_20dvm002zv_fa						1			
61	%M3635	lv_20dvm002zv_falla	VENTILADOR 002ZV	FALLA			20DVM002ZV_FALLA	21	S		
62	%M3636	lv_20dvm002zv_paro						1			
63	%M3877	lv_20dvm002zv_paro1						1			
64	%M3637	lv_20dvm003zv_armq						1			
65	%M3638	lv_20dvm003zv_fa						1			
66	%M3639	lv_20dvm003zv_falla	VENTILADOR 003ZV	FALLA	S		20DVM003ZV_FALLA	21	S		
67	%M3640	lv_20dvm003zv_paro						1			
68	%M3641	lv_20dvm003zv_prio	VENTILADOR 003ZV	SELECC	S		20DVM003ZV_PRIOR	2	S		
69	%M3642	lv_20dvm004zv_armq						1			
70	%M3643	lv_20dvm004zv_fa						1			
71	%M3644	lv_20dvm004zv_falla	VENTILADOR 004ZV	FALLA	S		20DVM004ZV_FALLA	21	S		
72	%M3645	lv_20dvm004zv_paro						1			
73	%M3646	lv_20dvm004zv_prio	VENTILADOR 004ZV	SELECC			20DVM004ZV_PRIOR	2	S		
74	%M3651	lv_20dvm005mt_13	TEMP. AMBIENTE EXTERIOR-13C	SI	S		20DVM005MT_13	2	S		
75	%M3647	lv_20dvm007zv_fa						1			
76	%M3648	lv_20dvm007zv_falla	REGISTRO 007VA	EN-CURSO	S		20DVM007ZV_FALLA	2	S		
77	%M3665	lv_20dvm008va_apr						1			
78	%M3879	lv_20dvm008va_cer						1			
79	%M3649	lv_20dvm008va_fa						1			
80	%M3650	lv_20dvm008va_falla	REGISTRO 008VA	FALLA	S		20DVM008VA_FALLA	21	S		
81	%M3782	lv_20dvm009va_apr						1			
82	%M3880	lv_20dvm009va_cer						1			
83	%M3652	lv_20dvm009va_fa						1			
84	%M3653	lv_20dvm009va_falla	REGISTRO 009VA	FALLA	S		20DVM009VA_FALLA	21	S		
85	%M3881	lv_20dvm010_cer						1			
86	%M3655	lv_20dvm010va_fa						1			
87	%M3656	lv_20dvm010va_falla	REGISTRO 010VA	FALLA	S		20DVM010VA_FALLA	21	S		
88	%M3882	lv_20dvm011_cer						1			
89	%M3657	lv_20dvm011va_fa						1			
90	%M3658	lv_20dvm011va_falla	REGISTRO 011VA	FALLA	S		20DVM011VA_FALLA	21	S		
91	%M3709	lv_20dvm_paso4						1			
92	%M3719	lv_20dvm_tension						1			
93	%M3660	lv_20kkl001ar_local	SELECTOR MANDO 20KKL001AR	LOCAL	S		20KKL001AR_LOCAL	2	S		
94	%M3661	lv_20kkl001ar_remoto	SELECTOR MANDO 20KKL001AR	REMOTO	S		20KKL001AR_REMOTO	2	S		
95	%M3915	lv_20kkl_01gplc_fa	KKL COMUNICACIÓN CON PLC 01GTA	FALLA	S		20KKL_01GTPFA	21	S		
96	%M3916	lv_20kkl_02gplc_fa	KKL COMUNICACIÓN CON PLC 02GTA	FALLA	S		20KKL_02GTPFA	21	S		
97	%M3917	lv_20kkl_03gplc_fa	KKL COMUNICACIÓN CON PLC 03GTA	FALLA	S		20KKL_03GTPFA	21	S		

98	%M3918	lv_20kkl_60lrplc_fa	KKL COMUNICACIÓN CON PLC 60LRX	FALLA	S		20KKL_60LRXPFA	21	S		
99	%M3662	lv_20lga001jd_apr_auto						1			
100	%M3663	lv_20lga001jd_apr_man						1			
101	%M3664	lv_20lga001jd_cie_auto						1			
102	%M3666	lv_20lga001jd_cie_man						1			
103	%M3667	lv_20lga001jd_fa						2			
104	%M3668	lv_20lga001jd_falla	INT. LLEGADA G1 A TRFO. 13.8/4	FALLA	S		20LGA001JD_FALLA	11	S		
105	%M3669	lv_20lga001jd_invalido	INT. LLEGADA G1 A TRFO. 13.8/4	INCORREC	S		20LGA001JD_INVALIDO	21	S		
106	%M3670	lv_20lga001jd_lib_1						1			
107	%M3671	lv_20lga001jd_lib_2						1			
108	%M3931	lv_20lga001jd_lib_3						1			
109	%M3932	lv_20lga001jd_lib_4						1			
110	%M3967	lv_20lga001jd_lib_5						1			
111	%M3672	lv_20lga001jd_lib_6						1			
112	%M3957	lv_20lga001jd_lib_cs						1			
113	%M3921	lv_20lga001jd_libre_c						1			
114	%M3958	lv_20lga001jd_libre_c0						1			
115	%M3923	lv_20lga001jd_libre_c1						1			
116	%M3922	lv_20lga001jd_libre_o						1			
117	%M3858	lv_20lga001jd_libre_op	INT. LLEGADA G1 A TRFO. 13.8/4	AUTORIZ	S		20LGA001JD_LIBRE_OP	2	S		
118	%M3673	lv_20lga002jd_apr_auto						1			
119	%M3674	lv_20lga002jd_apr_man						1			
120	%M3675	lv_20lga002jd_cie_auto						1			
121	%M3676	lv_20lga002jd_cie_aux1						1			
122	%M3677	lv_20lga002jd_cie_man						1			
123	%M3678	lv_20lga002jd_fa						2			
124	%M3679	lv_20lga002jd_falla	INT. LLEGADA G2 A TRFO. 13.8/4	FALLA	S		20LGA002JD_FALLA	11	S		
125	%M3680	lv_20lga002jd_invalido	INT. LLEGADA G2 A TRFO. 13.8/4	INCORREC	S		20LGA002JD_INVALIDO	21	S		
126	%M3878	lv_20lga002jd_lib						1			
127	%M3681	lv_20lga002jd_lib_1						1			
128	%M3959	lv_20lga002jd_lib_3						1			
129	%M3960	lv_20lga002jd_lib_4						1			
130	%M3668	lv_20lga002jd_lib_5						1			
131	%M3682	lv_20lga002jd_lib_6						1			
132	%M3961	lv_20lga002jd_lib_cs						1			
133	%M3924	lv_20lga002jd_libre_c						1			
134	%M3962	lv_20lga002jd_libre_c0						1			
135	%M3925	lv_20lga002jd_libre_c1						1			
136	%M3927	lv_20lga002jd_libre_o						1			
137	%M3859	lv_20lga002jd_libre_op	INT. LLEGADA G2 A TRFO. 13.8/4	AUTORIZ	S		20LGA002JD_LIBRE_OP	2	S		
138	%M3683	lv_20lga003jd_apr_auto						1			
139	%M3684	lv_20lga003jd_apr_man						1			
140	%M3685	lv_20lga003jd_aux_1						1			
141	%M3686	lv_20lga003jd_aux_2						1			
142	%M3687	lv_20lga003jd_cie_man						1			
143	%M3688	lv_20lga003jd_fa						2			
144	%M3689	lv_20lga003jd_falla	INT. LLEGADA G3 A TRFO. 13.8/4	FALLA	S		20LGA003JD_FALLA	11	S		
145	%M3690	lv_20lga003jd_invalido	INT. LLEGADA G3 A TRFO. 13.8/4	INCORREC	S		20LGA003JD_INVALIDO	21	S		
146	%M3691	lv_20lga003jd_lib_1						1			
147	%M3919	lv_20lga003jd_lib_2						1			
148	%M3963	lv_20lga003jd_lib_3						1			
149	%M3964	lv_20lga003jd_lib_4						1			
150	%M3969	lv_20lga003jd_lib_5						1			
151	%M3971	lv_20lga003jd_lib_6						1			

152	%M3965	lv_20lga003jd_lib_cs							1			
153	%M3928	lv_20lga003jd_libre_c							1			
154	%M3966	lv_20lga003jd_libre_c0							1			
155	%M3929	lv_20lga003jd_libre_c1							1			
156	%M3930	lv_20lga003jd_libre_o							1			
157	%M3860	lv_20lga003jd_libre_op	INT. LLEGADA G3 A TRFO. 13.8/4	AUTORIZ	S			20LGA003JD_LIBRE_OP	2	S		
158	%M3905	lv_20lga_open							1			
159	%M3920	lv_20lga_open1							1			
160	%M3693	lv_20lka001jd_apr_auto							2			
161	%M3694	lv_20lka001jd_apr_man							1			
162	%M3695	lv_20lka001jd_cie_aux1							1			
163	%M3696	lv_20lka001jd_cie_man							1			
164	%M3941	lv_20lka001jd_fa							1			
165	%M3942	lv_20lka001jd_falla	INT. LLEGADA DESDE 20LKA001TS	FALLA	S			20LKA001JD_FALLA	11	S		
166	%M3699	lv_20lka001jd_invalido	INT. LLEGADA DESDE 20LKA001TS	INCORREC	S			20LKA001JD_INVALIDO	21	S		
167	%M3700	lv_20lka001jd_lib_comp							2			
168	%M3701	lv_20lka001jd_libre	AUTORIZ	AUTORIZ	S			20LKA001JD_LIBRE	1			
169	%M3861	lv_20lka001jd_libre_op	INT. LLEGADA DESDE 20LKA001TS	AUTORIZ	S			20LKA001JD_LIBRE_OP	2	S		
170	%M3702	lv_20lka001ts_fa							2			
171	%M3703	lv_20lka001ts_falla	TRANSFORMADOR 20LKA001TS	FALLA	S			20LKA001TS_FALLA	11	S		
172	%M3704	lv_20lka002jd_apr_aux							1			
173	%M3705	lv_20lka002jd_apr_man							1			
174	%M3706	lv_20lka002jd_cie_aux							1			
175	%M3707	lv_20lka002jd_cie_man							1			
176	%M3943	lv_20lka002jd_fa							1			
177	%M3944	lv_20lka002jd_falla	INT. LLEGADA DESDE 20LKA002TS	FALLA	S			20LKA002JD_FALLA	11	S		
178	%M3710	lv_20lka002jd_invalido	INT. LLEGADA DESDE 20LKA002TS	INCORREC	S			20LKA002JD_INVALIDO	21	S		
179	%M3711	lv_20lka002jd_libre	AUTORIZ	AUTORIZ				20LKA002JD_LIBRE	1			
180	%M3862	lv_20lka002jd_libre_op	INT. LLEGADA DESDE 20LKA002TS	AUTORIZ	S			20LKA002JD_LIBRE_OP	2	S		
181	%M3712	lv_20lka002ts_fa							2			
182	%M3713	lv_20lka002ts_falla	TRANSFORMADOR 20LKA002TS	FALLA	S			20LKA002TS_FALLA	11	S		
183	%M3714	lv_20lka003jd_apr_aux							1			
184	%M3715	lv_20lka003jd_apr_man							1			
185	%M3716	lv_20lka003jd_cie_aux							1			
186	%M3717	lv_20lka003jd_cie_man							1			
187	%M3718	lv_20lka003jd_fa							2			
188	%M3945	lv_20lka003jd_falla	INT. LLEGADA DESDE 20LKB001TB	FALLA	S			20LKA003JD_FALLA	11	S		
189	%M3720	lv_20lka003jd_invalido	INT. LLEGADA DESDE 20LKB001TB	INCORREC	S			20LKA003JD_INVALIDO	21	S		
190	%M3721	lv_20lka003jd_libre	AUTORIZ	AUTORIZ				20LKA003JD_LIBRE	1			
191	%M3863	lv_20lka003jd_libre_op	INT. LLEGADA DESDE 20LKB001TB	AUTORIZ	S			20LKA003JD_LIBRE_OP	2	S		
192	%M3722	lv_20lka007jd_apr_man							1			
193	%M3723	lv_20lka007jd_cie_man							1			
194	%M3724	lv_20lka007jd_fa							2			
195	%M3946	lv_20lka007jd_falla	INT. ACOPLAMIENTO BARRAS 380VCA	FALLA	S			20LKA007JD_FALLA	11	S		
196	%M3726	lv_20lka007jd_invalido	INT. ACOPLAMIENTO BARRAS 380VCA	INCORREC	S			20LKA007JD_INVALIDO	21	S		
197	%M3970	lv_20lka007jd_lib_1							1			
198	%M3727	lv_20lka007jd_libre	AUTORIZ	AUTORIZ				20LKA007JD_LIBRE	1			
199	%M3864	lv_20lka007jd_libre_op	INT. ACOPLAMIENTO BARRAS 380VCA	AUTORIZ	S			20LKA007JD_LIBRE_OP	2	S		
200	%M3733	lv_20lka_b1_paso2							1			
201	%M3750	lv_20lka_b1_paso4	PERMISO RECONEXION 20LKA PASO4	AUTORIZ		BS			2			
202	%M3811	lv_20lka_b2_paso2							1			
203	%M3938	lv_20lka_b2_paso4							1			
204	%M3939	lv_20lka_tension_b1							1			
205	%M3940	lv_20lka_tension_b2							1			

206	%M3728	lv_20lkb001jd_apr	INT. LLEGADA DE TRFO. 10.5/4KV	APERTURA		BS		2		
207	%M3729	lv_20lkb001jd_apr_man						1		
208	%M3730	lv_20lkb001jd_cie	INT. LLEGADA DE TRFO. 10.5/4KV	CIERRE		BS		2		
209	%M3731	lv_20lkb001jd_cie_man						1		
210	%M3732	lv_20lkb001jd_fa						2		
211	%M3947	lv_20lkb001jd_falla	FALLA					1		
212	%M3734	lv_20lkb001jd_invalido	INT. LLEGADA DE TRFO. 10.5/4KV	INCORREC	S		20LKB001JD_INVALIDO	21	S	
213	%M3735	lv_20lkb001jd_libre	AUTORIZ				20LKB001JD_LIBRE	1		
214	%M3865	lv_20lkb001jd_libre_op	INT. LLEGADA DE TRFO. 10.5/4KV	AUTORIZ	S		20LKB001JD_LIBRE_OP	2	S	
215	%M3736	lv_20lkb002jd_apr	INT. LLEGADA DE GEN. DIESEL	APERTURA		BS		2		
216	%M3737	lv_20lkb002jd_apr_man						1		
217	%M3738	lv_20lkb002jd_cie	INT. LLEGADA DE GEN. DIESEL	CIERRE		BS		2		
218	%M3739	lv_20lkb002jd_cie_man						1		
219	%M3740	lv_20lkb002jd_fa						2		
220	%M3948	lv_20lkb002jd_falla	INT. LLEGADA DE GEN. DIESEL					1		
221	%M3742	lv_20lkb002jd_invalido	INT. LLEGADA DE GEN. DIESEL	INCORREC	S		20LKB002JD_INVALIDO	21	S	
222	%M3743	lv_20lkb002jd_libre	INT. LLEGADA DE GEN. DIESEL	AUTORIZ			20LKB002JD_LIBRE	1		
223	%M3866	lv_20lkb002jd_libre_op	INT. LLEGADA DE GEN. DIESEL	AUTORIZ	S		20LKB002JD_LIBRE_OP	2	S	
224	%M3744	lv_20lkb003jd_apr	INT. LLEGADA DE TRFO. 10.5/4KV	APERTURA		BS		2		
225	%M3745	lv_20lkb003jd_apr_aux						1		
226	%M3746	lv_20lkb003jd_apr_man						1		
227	%M3747	lv_20lkb003jd_cie	INT. LLEGADA DE TRFO. 10.5/4KV	CIERRE		BS		2		
228	%M3748	lv_20lkb003jd_cie_man						1		
229	%M3749	lv_20lkb003jd_fa						2		
230	%M3949	lv_20lkb003jd_falla	INT. LLEGADA DE TRFO. 10.5/4KV	FALLA	S		20LKB003JD_FALLA	11	S	
231	%M3751	lv_20lkb003jd_invalido	INT. LLEGADA DE TRFO. 10.5/4KV	INCORREC	S		20LKB003JD_INVALIDO	21	S	
232	%M3752	lv_20lkb003jd_libre	INT. LLEGADA DE TRFO. 10.5/4KV	AUTORIZ			20LKB003JD_LIBRE	1		
233	%M3867	lv_20lkb003jd_libre_op	INT. LLEGADA DE TRFO. 10.5/4KV	AUTORIZ	S		20LKB003JD_LIBRE_OP	2	S	
234	%M3753	lv_20lkp001ga_arrq_man						1		
235	%M3754	lv_20lkp001ga_cont	GENERADOR DIESEL	ARRANQUE	S	BS	20LKP001GA_CONT	2		
236	%M3875	lv_20lkp001ga_fa						1		
237	%M3755	lv_20lkp001ga_falla	GENERADOR DIESEL	FALLA	S		20LKP001GA_FALLA	11	S	
238	%M3756	lv_20lkp001ga_req	GENERADOR DIESEL					2		
239	%M3757	lv_20lkp001ga_stop	GENERADOR DIESEL					2		
240	%M3758	lv_20lkp001ga_stop_auto						1		
241	%M3759	lv_20lkp001ga_stop_man						1		
242	%M3911	lv_20lkp001ga_stp						1		
243	%M3912	lv_20lkp001ga_stp2						1		
244	%M3838	lv_20spr002cr_serv	SISTEMA DE PRESION DE AIRE 20SPR	EN-SERV	S	BS	20SPR002CR_SERV	2	S	
245	%M3760	lv_20sra001fi_sel	FILTRO AUTOLIMPIEZA	SELECC	S		20SRA001FI_SEL	2	S	
246	%M3761	lv_20sra001po_arrq_auto						1		
247	%M3762	lv_20sra001po_fa						2		
248	%M3763	lv_20sra001po_fa_arr						1		
249	%M3764	lv_20sra001po_falla	BOMBA DE AGUA CRUDA 001PO	FALLA	S		20SRA001PO_FALLA	21	S	
250	%M3765	lv_20sra001po_libre	BOMBA DE AGUA CRUDA 001PO				20SRA001PO_LIBRE	2		
251	%M3766	lv_20sra001po_paro						1		
252	%M3654	lv_20sra002po_csg1					20SRA002PO_CSG1	2	S	
253	%M3659	lv_20sra002po_csg2					20SRA002PO_CSG2	2	S	
254	%M3692	lv_20sra002po_csg3					20SRA002PO_CSG3	2	S	
255	%M3767	lv_20sra002po_fa						2		
256	%M3768	lv_20sra002po_fa_arr						1		
257	%M3769	lv_20sra002po_falla	BOMBA DE AGUA CRUDA 002PO	FALLA	S		20SRA002PO_FALLA	21	S	
258	%M3770	lv_20sra002po_libre	BOMBA DE AGUA CRUDA 002PO				20SRA002PO_LIBRE	2		
259	%M3771	lv_20sra002po_paro						1		

260	%M3781	lv_20sra002po_sp1							1			
261	%M3786	lv_20sra002po_sp2							1			
262	%M3772	lv_20sra003po_arrnq							1			
263	%M3773	lv_20sra003po_fa							2			
264	%M3774	lv_20sra003po_fa_arr							1			
265	%M3775	lv_20sra003po_falla	BOMBA DE AGUA CRUDA 003PO	FALLA	S			20SRA003PO_FALLA	21	S		
266	%M3776	lv_20sra003po_libre							2			
267	%M3777	lv_20sra003po_paro							1			
268	%M3778	lv_20sra003po_paro_aux1							1			
269	%M3784	lv_20sra007jc_auto	BOMBA DE PURGA 501PO	AUTO	S			20SRA007JC_AUTO	2	S		
270	%M3787	lv_20sra007jc_fa							1			
271	%M3789	lv_20sra007jc_falla	BOMBA DE PURGA 501PO	FALLA	S			20SRA007JC_FALLA	11	S		
272	%M3926	lv_20sra007jc_libre_op							1			
273	%M3933	lv_20sra007jc_paro							1			
274	%M3934	lv_20sra007jc_paro_aux							1			
275	%M3935	lv_20sra008jc_auto	BOMBA DE PURGA 502PO	AUTO	S			20SRA008JC_AUTO	2	S		
276	%M3951	lv_20sra008jc_fa							1			
277	%M3952	lv_20sra008jc_falla	BOMBA DE PURGA 502PO	FALLA	S			20SRA008JC_FALLA	11	S		
278	%M3953	lv_20sra008jc_libre_op							1			
279	%M3954	lv_20sra008jc_paro							1			
280	%M3955	lv_20sra008jc_paro_aux							1			
281	%M3779	lv_20sra101fi_sel	FILTRO AUTOLIMPIEZA	SELECC	S			20SRA101FI_SEL	2	S		
282	%M3783	lv_20sra501po_falla	BOMBA DE PURGA POZO2	FALLA	S			20SRA501PO_FALLA	21	S		
283	%M3788	lv_20sra502po_falla	BOMBA DE PURGA POZO1	FALLA	S			20SRA502PO_FALLA	21	S		
284	%M3790	lv_20sra_en_servicio	SISTEMA REF. AGUA CRUDA	EN-SERV	S		BS	20SRA_EN_SERVICIO	2			
285	%M3791	lv_20sra_niv_pozos_norm	NIVEL POZOS AGUA CRUDA REFRIG.	NORMAL	S		BS	20SRA_NIV_POZOS_NORM	2			
286	%M3792	lv_20sra_pozo1_ba							1			
287	%M3793	lv_20sra_pozo1_bajo	POZO1 AGUA CRUDA	BAJO	S			20SRA_POZO1_BAJO	21	S		
288	%M3794	lv_20sra_pozo1_mba							1			
289	%M3795	lv_20sra_pozo1_mbaajo	POZO1 AGUA CRUDA	MUY-BAJO	S			20SRA_POZO1_MBAJO	21	S		
290	%M3796	lv_20sra_pozo2_ba							1			
291	%M3797	lv_20sra_pozo2_bajo	POZO2 AGUA CRUDA	BAJO	S			20SRA_POZO2_BAJO	21	S		
292	%M3798	lv_20sra_pozo2_mba							1			
293	%M3799	lv_20sra_pozo2_mbaajo	POZO2 AGUA CRUDA	MUY-BAJO	S			20SRA_POZO2_MBAJO	21	S		
294	%M3800	lv_20sra_req							1			
295	%M3801	lv_20sra_req_g1							1			
296	%M3802	lv_20sra_req_g2							1			
297	%M3803	lv_20sra_req_g3							1			
298	%M3913	lv_20sra_sistema_falla							1			
299	%M3804	lv_20srb001gf_fa_flujo							1			
300	%M3805	lv_20srb001po_arrnq							1			
301	%M3936	lv_20srb001po_fa							1			
302	%M3807	lv_20srb001po_falla	BOMBA AGUA TRATADA 001PO	FALLA	S			20SRB001PO_FALLA	21	S		
303	%M3808	lv_20srb001po_maestra	BOMBA AGUA TRATADA 001PO	SELECC	S			20SRB001PO_MAESTRA	2	S		
304	%M3809	lv_20srb001po_paro							1			
305	%M3810	lv_20srb002po_arrnq							1			
306	%M3937	lv_20srb002po_fa							1			
307	%M3812	lv_20srb002po_falla	BOMBA AGUA TRATADA 002PO	FALLA	S			20SRB002PO_FALLA	21	S		
308	%M3813	lv_20srb002po_maestra	BOMBA AGUA TRATADA 002PO	SELECC	S			20SRB002PO_MAESTRA	2	S		
309	%M3814	lv_20srb002po_paro							1			
310	%M3857	lv_20srb_fa							1			
311	%M3868	lv_20srb_falla	SISTEMA REF. AGUA TRATADA 20SRB	FALLA	S			20SRB_FALLA	21	S		
312	%M3907	lv_60lga001jd_volt							1			
313	%M3950	lv_60lga001ts_falla	TRANSFORMADOR 10.5/4KV 1MVA	FALLA	S			60LGA001TS_FALLA	2	S		

314	%M3816	lv_dem011po_fa						1			
315	%M3817	lv_dem011po_falla	BOMBA AGUA HELADA 011PO	FALLA	S		20DEM011PO_FALLA	21	S		
316	%M3818	lv_dem012po_fa						1			
317	%M3819	lv_dem012po_falla	BOMBA AGUA HELADA 012PO	FALLA	S		20DEM012PO_FALLA	21	S		
318	%M3820	lv_dvm001zv_auto	VENTILADOR 001ZV	AUTO	S		20DVM001ZV_AUTO	2	S		
319	%M3821	lv_dvm002zv_auto	VENTILADOR 002ZV	AUTO	S		20DVM002ZV_AUTO	2	S		
320	%M3822	lv_dvm003zv_auto	VENTILADOR 003ZV-004ZV	AUTO	S		20DVM003ZV_AUTO	2	S		
321	%M3956	lv_dvm003zv_manual						1			
322	%M3823	lv_dvm004zv_prio	VENTILADOR 004ZV	SELECC	S		20DVM004ZV_PRIO	2	S		
323	%M3824	lv_gta_ee_450rpm						1			
324	%M3825	lv_kkl_aux00_vis1						2			
325	%M3826	lv_kkl_aux00_vis2	VISIBILIDAD KEY				20KKL_AUX00_VIS2	2	S		
326	%M3827	lv_kkl_axa00_vis1						2			
327	%M3828	lv_kkl_axa00_vis2						2			
328	%M3829	lv_kkl_axa00_vis3	VISIBILIDAD KEY				20KKL_AXA00_VIS3	2			
329	%M3830	lv_kkl_dvm01_vis1						1			
330	%M3831	lv_kkl_dvm01_vis2						1			
331	%M3832	lv_kkl_dvm01_vis3						1			
332	%M3833	lv_kkl_dvm01_visible	VISIBILIDAD KEY				20KKL_DVM01_VISIBLE	2	S		
333	%I1919	lv_kkl_fal_forz	IHR SERV. AUX. VARIABLE FORZADA	PRESENC				2		X	
334	%M3883	lv_kkl_fal_mod01_r0	20KKL MODULO1 RACK0 PLC MAIN	FALLA			20KKL_FAL_MOD01_R0	21	S		
335	%M3884	lv_kkl_fal_mod01_r1	20KKL MODULO1 RACK1 PLC MAIN	FALLA			20KKL_FAL_MOD01_R1	21	S		
336	%M3885	lv_kkl_fal_mod02_r0	20KKL MODULO2 RACK0 PLC MAIN	FALLA			20KKL_FAL_MOD02_R0	21	S		
337	%M3886	lv_kkl_fal_mod02_r1	20KKL MODULO2 RACK1 PLC MAIN	FALLA			20KKL_FAL_MOD02_R1	21	S		
338	%M3887	lv_kkl_fal_mod03_r0	20KKL MODULO3 RACK0 PLC MAIN	FALLA			20KKL_FAL_MOD03_R0	21	S		
339	%M3888	lv_kkl_fal_mod03_r1	20KKL MODULO3 RACK1 PLC MAIN	FALLA			20KKL_FAL_MOD03_R1	21	S		
340	%M3889	lv_kkl_fal_mod04_r0	20KKL MODULO4 RACK0 PLC MAIN	FALLA				2			
341	%M3890	lv_kkl_fal_mod04_r1	20KKL MODULO4 RACK1 PLC MAIN	FALLA			20KKL_FAL_MOD04_R1	21	S		
342	%M3891	lv_kkl_fal_mod05_r0	20KKL MODULO5 RACK0 PLC MAIN	FALLA			20KKL_FAL_MOD05_R0	21	S		
343	%M3892	lv_kkl_fal_mod05_r1	20KKL MODULO5 RACK1 PLC MAIN	FALLA			20KKL_FAL_MOD05_R1	21	S		
344	%M3893	lv_kkl_fal_mod06_r0	20KKL MODULO6 RACK0 PLC MAIN	FALLA			20KKL_FAL_MOD06_R0	21	S		
345	%M3894	lv_kkl_fal_mod06_r1	20KKL MODULO6 RACK1 PLC MAIN	FALLA			20KKL_FAL_MOD06_R1	21	S		
346	%M3895	lv_kkl_fal_mod07_r0	20KKL MODULO7 RACK0 PLC MAIN	FALLA			20KKL_FAL_MOD07_R0	21	S		
347	%M3896	lv_kkl_fal_mod07_r1	20KKL MODULO7 RACK1 PLC MAIN	FALLA			20KKL_FAL_MOD07_R1	21	S		
348	%M3897	lv_kkl_fal_mod08_r0	20KKL MODULO8 RACK0 PLC MAIN	FALLA			20KKL_FAL_MOD08_R0	21	S		
349	%M3898	lv_kkl_fal_mod08_r1	20KKL MODULO8 RACK1 PLC MAIN	FALLA			20KKL_FAL_MOD08_R1	21	S		
350	%M3899	lv_kkl_fal_mod09_r0	20KKL MODULO9 RACK0 PLC MAIN	FALLA				2			
351	%M3900	lv_kkl_fal_mod09_r1	20KKL MODULO9 RACK1 PLC MAIN	FALLA			20KKL_FAL_MOD09_R1	21	S		
352	%M3901	lv_kkl_fal_mod10_r0	20KKL MODULO10 RACK0 PLC MAIN	FALLA				2			
353	%M3902	lv_kkl_fal_mod10_r1	20KKL MODULO10 RACK1 PLC MAIN	FALLA				2			
354	%M3903	lv_kkl_falla_plc	AUTOMATA SERVICIOS AUXILIARES	FALLA	S		20KKL_FALLA_PLC	11	S		
355	%M3904	lv_kkl_falla_plc_bp1						1			
356	%M3906	lv_kkl_falla_plc_bp3						1			
357	%M3908	lv_kkl_falla_plc_bp5						1			
358	%M3698	lv_kkl_ihr_forced	IHR SERV. AUX. VARIABLE FORZADA	FORZA	S		20KKL_IHR_FORCED	21	S		
359	%M3914	lv_kkl_inicia_al						1			
360	%M3909	lv_kkl_mmi_ok	IHM SERVICIOS AUXILIARES	NORMAL	S		20KKL_MMI_OK	22			
361	%M3708	lv_kkl_plc_forced	20KKL PLC MAIN VARIABLE FORZADA	FORZA	S		20KKL_PFORCED	21	S		
362	%M3834	lv_kkl_reset_al	RESET DE ALARMAS DESDE IHM				20KKL_RESET_AL	2			
363	%M3910	lv_kkl_sirena_control						1			
364	%M3835	lv_kkl_sra01_vis1						1			
365	%M3836	lv_kkl_sra01_vis2	VISIBILIDAD KEY				20KKL_20SRA01_VIS2	2	S		
366	%M3837	lv_kkl_srb00_visible	VISIBILIDAD KEY				20KKL_20SRB00_VISIBLE	2	S		
367	%I1905	lv_kkli_fal_com	AUTOMATA IHR SERVICIOS AUX	ARRANQUE			20KKLI_FAL_COM	12	S	X	

368	%I1918	lv_kkli_fal_m	CPU IHR SERVICIOS AUX	FALLA			20KKLI_FAL_M	11	S	X	
369	%I1906	lv_kkli_fal_mod02_r0	IHR SERV. AUX. MODULO 2	FALLA			20KKLI_FAL_MOD02_R0	21	S	X	
370	%I1907	lv_kkli_fal_mod03_r0	IHR SERV. AUX. MODULO 3	FALLA			20KKLI_FAL_MOD03_R0	21	S	X	
371	%I1908	lv_kkli_fal_mod04_r0	IHR SERV. AUX. MODULO 4	FALLA			20KKLI_FAL_MOD04_R0	21	S	X	
372	%I1909	lv_kkli_fal_mod05_r0	IHR SERV. AUX. MODULO 5	FALLA			20KKLI_FAL_MOD05_R0	21	S	X	
373	%I1910	lv_kkli_fal_mod06_r0	IHR SERV. AUX. MODULO 6	FALLA			20KKLI_FAL_MOD06_R0	21	S	X	
374	%I1911	lv_kkli_fal_mod07_r0	IHR SERV. AUX. MODULO 7	FALLA			20KKLI_FAL_MOD07_R0	21	S	X	
375	%I1912	lv_kkli_fal_mod08_r0	IHR SERV. AUX. MODULO 8	FALLA			20KKLI_FAL_MOD08_R0	21	S	X	
376	%I1917	lv_kkli_fal_sn	CONFIG. AUTOMATA IHR SERV. AUX.	FALLA			20KKLI_FAL_SN	21	S	X	
377	%M3869	lv_kkli_falla	20KKL002AR PLC IHR	FALLA	S		20KKLI_FALLA	11	S		
378	%M3870	lv_kkli_falla_bp1						1			
379	%M3871	lv_kkli_falla_bp2						1			
380	%M3872	lv_kkli_falla_bp5						1			
381	%M3839	lv_lga_ika_auto	MODO DE CONTROL SISTEMA LGA/LKA	AUTO	S		20LGA_LKA_AUTO	2	S		
382	%M3840	lv_lga_sum1	SUMINISTRO SISTEMAS AUXILIARES	SELECC	S		20LGA_SUM1	2	S		
383	%M3841	lv_lga_sum2	SUMINISTRO SISTEMAS AUXILIARES	SELECC	S		20LGA_SUM2	2	S		
384	%M3842	lv_lga_sum3	SUMINISTRO SISTEMAS AUXILIARES	SELECC	S		20LGA_SUM3	2	S		
385	%M3843	lv_sra_001po_respaldo	SELECCIÓN BOMBA DE RESPALDO SRA	SELECC			20SRA_001PO_RESPALDO	2	S		
386	%M3844	lv_sra_003po_respaldo	SELECCIÓN BOMBA DE RESPALDO SRA	SELECC			20SRA_003PO_RESPALDO	2	S		
387	%M3845	lv_sra_apagado						1			
388	%M3846	lv_sra_arrng_auto						1			
389	%M3847	lv_sra_paro_auto					20SRA_PARO_AUTO	1	S		
390	%M3848	lv_sra_po_auto	MODO DE CONTROL DE BOMBAS SRA	AUTO	S		20SRA_PO_AUTO	2	S		
391	%M3850	lv_srb001ba_bajo	TANQUE COMPENSACION AGUA TRATADA	BAJO	S		20SRB001BA_BAJO	21	S		
392	%M3851	lv_srb001ba_muy_alto	TANQUE COMPENSACION AGUA TRATADA	MUY-ALTO	S		20SRB001BA_MUY_ALTO	21	S		
393	%M3852	lv_srb001ba_muy_bajo	TANQUE COMPENSACION AGUA TRATADA	MUY-BAJO	S	BS	20SRB001BA_MUY_BAJO	21	S		
394	%M3853	lv_srb00xgf_falla_flujo	FLUJO AGUA TRATADA REFRIGERACION	FALLA	S		20SRB00XGF_FALLA_FLUJO	21	S		
395	%M3854	lv_srb_auto	BOMBAS AGUA TRATADA	AUTO	S		20SRB_AUTO	2	S		
396	%M3855	lv_srb_niv					20SRB_NIV	1			
397	%M3856	lv_srb_niv_alarma	NIVEL EN TANQUES DE AGUA POTABLE	ALARMA	S		20SRB_NIV_ALARMA	21	S		