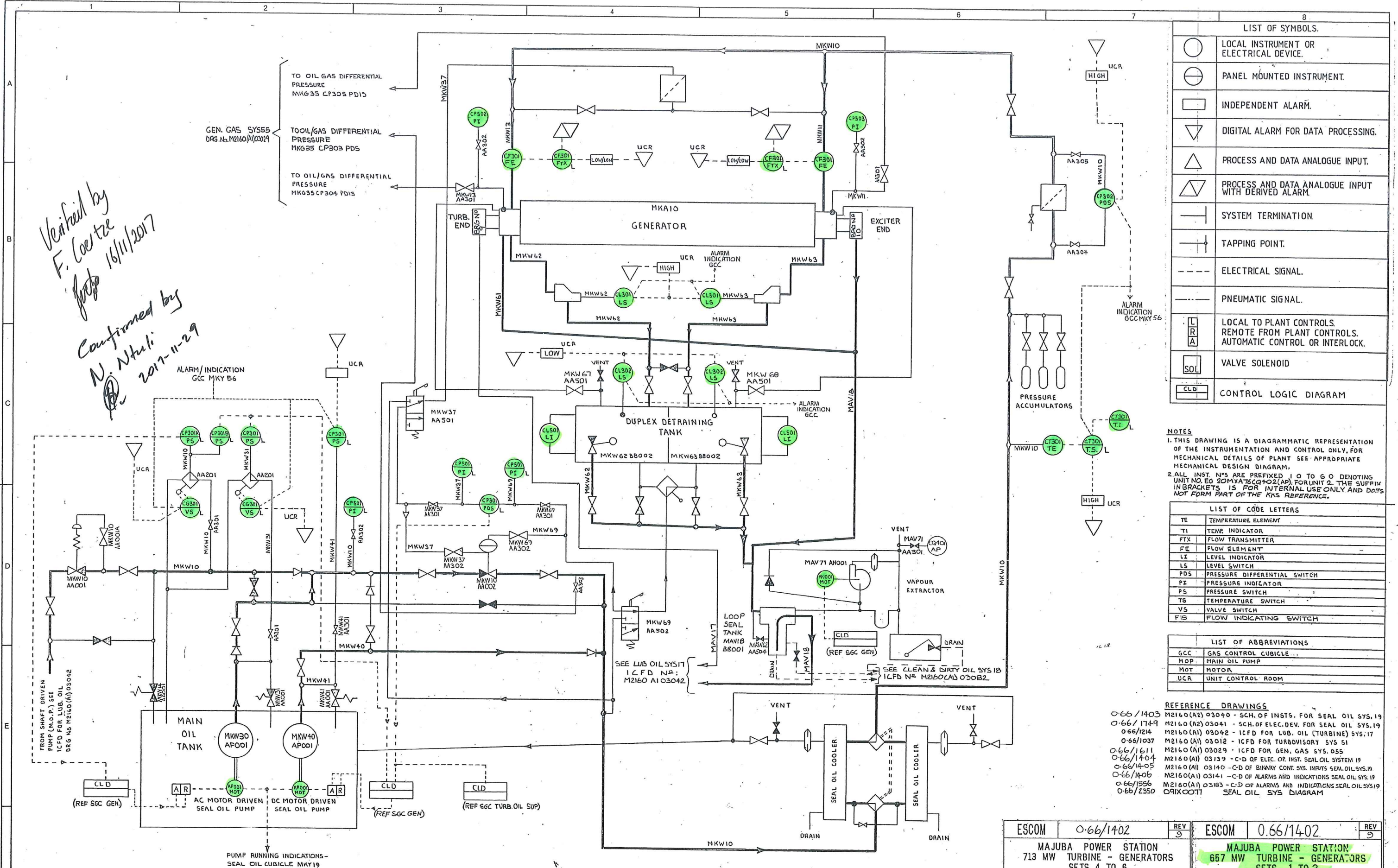


Verified by  
F. Coetzee  
16/11/2017  
Confirmed by  
N. Ntuli  
2017-11-29



LIST OF SYMBOLS.	
	LOCAL INSTRUMENT OR ELECTRICAL DEVICE.
	PANEL MOUNTED INSTRUMENT.
	INDEPENDENT ALARM.
	DIGITAL ALARM FOR DATA PROCESSING.
	PROCESS AND DATA ANALOGUE INPUT.
	PROCESS AND DATA ANALOGUE INPUT WITH DERIVED ALARM.
	SYSTEM TERMINATION.
	TAPPING POINT.
	ELECTRICAL SIGNAL.
	PNEUMATIC SIGNAL.
	LOCAL TO PLANT CONTROLS. REMOTE FROM PLANT CONTROLS. AUTOMATIC CONTROL OR INTERLOCK.
	VALVE SOLENOID
	CONTROL LOGIC DIAGRAM

NOTES  
1. THIS DRAWING IS A DIAGRAMMATIC REPRESENTATION OF THE INSTRUMENTATION AND CONTROL ONLY, FOR MECHANICAL DETAILS OF PLANT SEE APPROPRIATE MECHANICAL DESIGN DIAGRAM.  
2. ALL INST. N°S ARE PREFIXED 10 TO 60 DENOTING UNIT NO. 20. (MAY BE 60+02 (AP) FOR UNIT 2. THE SUFFIX IN BRACKETS IS FOR INTERNAL USE ONLY AND DOES NOT FORM PART OF THE KKS REFERENCE.

LIST OF CODE LETTERS	
TE	TEMPERATURE ELEMENT
TI	TEMP INDICATOR
FTX	FLOW TRANSMITTER
FE	FLOW ELEMENT
LI	LEVEL INDICATOR
LS	LEVEL SWITCH
PDS	PRESSURE DIFFERENTIAL SWITCH
PI	PRESSURE INDICATOR
PS	PRESSURE SWITCH
TS	TEMPERATURE SWITCH
VS	VALVE SWITCH
FIS	FLOW INDICATING SWITCH

LIST OF ABBREVIATIONS	
GCC	GAS CONTROL CUBICLE...
MOP	MAIN OIL PUMP
MOT	MOTOR
UCR	UNIT CONTROL ROOM

REFERENCE DRAWINGS  
0-66/1403 M2160(A2) 03040 - SCH. OF INSTR. FOR SEAL OIL SYS. 19  
0-66/1749 M2160(A2) 03041 - SCH. OF ELEC. DEV. FOR SEAL OIL SYS. 19  
0-66/1214 M2160(A1) 03042 - ICFD FOR LUB. OIL (TURBINE) SYS. 17  
0-66/1037 M2160(A1) 03012 - ICFD FOR TURBOVISORY SYS. 51  
0-66/1611 M2160(A1) 03029 - ICFD FOR GEN. GAS SYS. 055  
0-66/1404 M2160(A1) 03139 - C-D OF ELEC. OR INST. SEAL OIL SYSTEM 19  
0-66/1405 M2160(A1) 03140 - C-D OF BINARY CONT. SYS. INPUTS SEAL OIL SYS. 19  
0-66/1406 M2160(A1) 03141 - C-D OF ALARMS AND INDICATIONS SEAL OIL SYS. 19  
0-66/1556 M2160(A1) 03183 - C-D OF ALARMS AND INDICATIONS SEAL OIL SYS. 19  
0-66/2350 C91X0071 SEAL OIL SYS. DIAGRAM

ESCOM	0-66/1402	REV 9	ESCOM	0-66/1402	REV 9
MAJUBA POWER STATION 713 MW TURBINE - GENERATORS SETS 4 TO 6 CONTRACT NO. OPF 11681			MAJUBA POWER STATION 657 MW TURBINE - GENERATORS SETS 1 TO 3 CONTRACT NO. GPF 11681		

ISSUE		DISTRIBUTION		DRAWN		CHECKED		D.O. APPD.		ENG. APPD.		SCALE		DRG. NO.		SHEET NO	
DATE	2-11-84	QTY	4	ISSUE	1	QTY	1	QTY	1	QTY	1	SCALE	1:1	NO.	M2160(A1)03039	1	1
DRAWN	DR	DEPT	AP	ISSUE	2	QTY	1	QTY	1	QTY	1	SCALE	1:1	NO.	M2160(A1)03039	1	1
CHECKED	DR	DEPT	AP	ISSUE	3	QTY	1	QTY	1	QTY	1	SCALE	1:1	NO.	M2160(A1)03039	1	1
D.O. APPD.	DR	DEPT	AP	ISSUE	4	QTY	1	QTY	1	QTY	1	SCALE	1:1	NO.	M2160(A1)03039	1	1
ENG. APPD.	DR	DEPT	AP	ISSUE	5	QTY	1	QTY	1	QTY	1	SCALE	1:1	NO.	M2160(A1)03039	1	1

NOTES

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NOTE 3: THE DRAWING IS THE PROPERTY OF GEC ALSTHOM AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF GEC ALSTHOM.

MAJUBA POWER STATION  
713 MW TURBINE - GENERATORS  
SETS 4 TO 6  
CONTRACT NO. OPF 11681

MAJUBA POWER STATION  
657 MW TURBINE - GENERATORS  
SETS 1 TO 3  
CONTRACT NO. GPF 11681

ISSUE

DATE

DRAWN

CHECKED

D.O. APPD.

ENG. APPD.

QTY

DEPT

ISSUE

QTY

QTY

QTY

SCALE

1:1

SCALE

1:1

SCALE

1:1

NO.

M2160(A1)03039

NO.

M2160(A1)03039

NO.

M2160(A1)03039

SHEET NO

1

SHEET NO

1

SHEET NO

1

OF 1 SHEETS

OF 1 SHEETS

OF 1 SHEETS