



 Gachsaran Polymer Industries Company	<b>Gachsaran Polymer Industries Company</b> <b>HDPE Plant</b>  <b>I/O List</b>		
			 
PO No.: GPIC-PT-MA-PO-000-3029	Document Number: VD-GPIC-MA-3029-3029-0045	Rev. 00	Page 1 of 5

**EL:**

According to the project specification for MV motors, Winding RTD shall be considered for all MV motors.

Also, it shall be clarified Winding RTDs are transmitted to MCC or UCP.

## I/O List

<b>Code1</b>	<input type="checkbox"/> <b>No Comment/ Approved</b> (Applicable Only for "FOR REVIEW" and "For Approval" Documents) No comment and the document are released for Manufacturing.
<b>Code2</b>	<input type="checkbox"/> <b>No Comment/ Approved with Note(s)</b> Vendor/Sub-Contractor shall correct, revise and resubmit the document. The document is released for Manufacturing if changes incorporated.
<b>Code3</b>	<input checked="" type="checkbox"/> <b>Commented</b> Vendor/Sub-Contractor shall correct, revise and resubmit the document by the date specified. The document shall be revised under the Status of "R: Revised Issue". All corrected documents shall be resubmitted before starting the Manufacturing Process.
<b>Code 4</b>	<input type="checkbox"/> <b>Not Accepted (Rejected )</b> Vendor/Sub-Contractor shall re-work / re-design / re-specify the contents of the document according to the comments / reasons for rejection. All corrected documents shall be resubmitted before starting the manufacturing. Vendor/Sub-Contractor shall not proceed with subsequent works of Material Supply or Manufacturing until receiving Code1/Code2 or No Code from PURCHASER. Vendor/Sub-Contractor shall resubmit the document with the same revision within 6 working days after receiving comments.
<b>No code</b>	<input type="checkbox"/> <b>No Code</b> ( Applicable Only for "For Information" Documents and "As Built DWGs") Document has been submitted for PURCHASER's Information (FI). Consistency, completeness and correctness of document content is in Vendor/Sub-Contractor's responsibility.
Above checking results by EIED shall in no way relieve Vendor of any liability, obligation and responsibility out of the purchase order and the mutual agreement in writing.	
 Energy Industries Engineering & Design co.	<b>Date:</b> Jul. 22, 2025 <b>Dept.:</b> MA <b>Signature:</b> F.Hamooni

05					
04					
03					
02					
01					
00	8-Jul-25	IFR	A.M	F.T	A.M
<b>Rev.</b>	<b>DATE</b>	<b>PURPOSE OF ISSUE</b>	<b>PREPARED</b>	<b>CHECKED</b>	<b>APPROVED</b>



IN-01. All comments on P&ID for tag number of instruments, MCC signals... shall also be implemented in this document.

E 025 P.O.I IFR

IN-02. Redundancy shall be considered for critical I/O and closed loops. In this case DIR, DOR, AIR, AOR shall be mentioned in this column instead of DI, DO, AI, AO.

IN-03. One column shall be added as contact type and it shall be filled for digital signals as follows:

- Digital Input:

NO: Normally Open

NC: Normally Close

- Digital Output:

NDE: Normally De- Energize

(Horn, lamp, Deluge Valve, etc.)

NE: Normally Energize

(Trip Signal, ESD Solenoid Valves, etc.)

Table with columns: TAG, Engineering units, LOCATION, JB No., SIGNAL CATEGORY, SIGNAL, RELAY OUTPUT, POWER SUPPLY, TYPE, SERIAL, IS/NIS, RACK, SLOT, CHANNEL. Includes multiple sections for digital input/output signals.

JB-UID-611/12...

EL: Fault status, Running status,

- PLC/I/O LIST
COUNTS PER UNIT
AI: Analog Input
AO: Analog Output
H: Hardware
S: Serial
DI: Digital Input
DO: Digital Output
DCS: Data Control Center
MCC: Motor Control Center
UCP-6101: Unit Control Panel
LCP: Local Control Station
PLC: Programmable Logic Controller

This I/O List is a document containing list of instrumentation which serve as input or output of control system.



Document No.:

VD-GPIC-MA-3029-0045

NO.	BY	APP	DATE	P.O.I
00	FAD	IMA	09/07/2025	IER

I/O List

FOR PROJECT HDPE GPIC DD MA REQ 000 3029 SITE SERVICE

Gachsaran Polymer Industries Company (GPIC) HDPE GPIC DD MA REQ 000 3029 Propylene Refrigeration Package

ITEM: PK-6101

TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL	RELAY OUTPUT	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	
Card Type: Digital IN/ 32																				
Card Type: Digital OUT/ 32																				
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL	RELAY OUTPUT	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	
ML-6101A01	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	LCP-6101A	COMPRESSOR -A- RUNNING	COMP SKID	COMP SKID	UCP-6101A	DO	24VDC	WET CONTACT	PW400	H		NIS	2	5	0	
MF-6101A02	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	LCP-6101A	COMPRESSOR -A- AVAILABLE/FAULT	COMP SKID	COMP SKID	LCP-6101A	DO	24VDC	WET CONTACT	PW400	H		NIS	2	5	1	
ML-6101B01	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	LCP-6101B	COMPRESSOR -B- RUNNING	COMP SKID	COMP SKID	LCP-6101A	DO	24VDC	WET CONTACT	PW400	H		NIS	2	5	2	
MF-6101B02	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	LCP-6101B	COMPRESSOR -B- AVAILABLE/FAULT	COMP SKID	COMP SKID	LCP-6101A	DO	24VDC	WET CONTACT	PW400	H		NIS	2	5	3	
						SPARE				DO	24VDC		PW401				2	5	4	
						SPARE				DO	24VDC		PW402				2	5	5	
						SPARE				DO	24VDC		PW403				2	5	6	
						SPARE				DO	24VDC		PW404				2	5	7	
						SPARE				DO	24VDC		PW405				2	5	8	
						SPARE				DO	24VDC		PW406				2	5	9	
						SPARE				DO	24VDC		PW400				2	5	10	
						SPARE				DO	24VDC		PW400				2	5	11	
						SPARE				DO	24VDC		PW400				2	5	12	
						SPARE				DO	24VDC		PW400				2	5	13	
MSP-6101A01-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	COMPRESSOR -A- START	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	14	
MST-6101A01-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	COMPRESSOR -A- STOP	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	15	
MSP-6101B21-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	COMPRESSOR -B- START	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	16	
MST-6101B21-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	COMPRESSOR -B- STOP	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	17	
MSP-6101B32-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	P1A MOTOR START COMMAND	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	18	
MST-6101B32-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	P1A MOTOR STOP COMMAND	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	19	
MSP-6101B33-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	P1B MOTOR START COMMAND	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	20	
MST-6101B33-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	P1B MOTOR STOP COMMAND	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	21	
MSP-6101B31-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	OIL HEATER START COMMAND	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	22	
MST-6101B31-U	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	MCC	OIL HEATER STOP COMMAND	PLC / MCC	PLC / MCC	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		NIS	2	5	23	
XA-611B95	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	UCP-6101	ENCLOSURE FANS ON/OFF - 1		UCP-6101	UCP-6101	DO	24VDC	WET CONTACT	PW400	H		NIS	2	5	24	
						SPARE				DO	24VDC		PW400				2	5	25	
						SPARE				DO	24VDC		PW400				2	5	26	
						SPARE				DO	24VDC		PW400				2	5	27	
						SPARE				DO	24VDC		PW400				2	5	28	
						SPARE				DO	24VDC		PW400				2	5	29	
						SPARE				DO	24VDC		PW400				2	5	30	
						SPARE				DO	24VDC		PW400				2	5	31	
						SPARE				DO	24VDC		PW400				2	5	31	
Card Type: Digital OUT/ 16																				
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL	RELAY OUTPUT	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	
XY-611B11	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	JB-6101-03A	COMPRESSOR -A- SLIDE VALVE UNLOAD SOV	COMP SKID	COMP SKID	JB-6101-03A	DO	24VDC	WET CONTACT	PW400	H		NIS	2	6	0	
XY-611B12	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	JB-6101-03A	COMPRESSOR -A- SLIDE VALVE LOAD SOV	COMP SKID	COMP SKID	JB-6101-03A	DO	24VDC	WET CONTACT	PW400	H		NIS	2	6	1	
XY-611B21	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	JB-6101-03B	COMPRESSOR -B- SLIDE VALVE UNLOAD SOV	COMP SKID	COMP SKID	JB-6101-03B	DO	24VDC	WET CONTACT	PW400	H		NIS	2	6	2	
XY-611B22	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	JB-6101-03B	COMPRESSOR -B- SLIDE VALVE LOAD SOV	COMP SKID	COMP SKID	JB-6101-03B	DO	24VDC	WET CONTACT	PW400	H		NIS	2	6	3	
						SPARE				DO	24VDC		PW400				2	6	4	
						SPARE				DO	24VDC		PW400				2	6	5	
						SPARE				DO	24VDC		PW400				2	6	6	
						SPARE				DO	24VDC		PW400				2	6	7	
						SPARE				DO	24VDC		PW401				2	6	8	
						SPARE				DO	24VDC		PW402				2	6	9	
UA-611B11	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	DCS	COMPRESSOR -A- TRIP COMPRESSOR	UCP-6101	UCP-6101	UCP-6101	DO	24VDC					S	NIS	2	6	10
UA-611B11	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	DCS	COMMON -A- ALARM COMPRESSOR	UCP-6101	UCP-6101	UCP-6101	DO	24VDC					S	NIS	2	6	11
UA-611B12	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	DCS	COMPRESSOR -B- TRIP COMPRESSOR	UCP-6101	UCP-6101	UCP-6101	DO	24VDC					S	NIS	2	6	12
UA-611B13	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	DCS	COMMON -B- ALARM COMPRESSOR	UCP-6101	UCP-6101	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		S	NIS	2	6	13
UA-611B99	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	DCS	PLC FAULT	UCP-6101	UCP-6101	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		S	NIS	2	6	14
UA-611B14	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	DCS	INTERLOCK ACTIVATED	UCP-6101	UCP-6101	UCP-6101	DO	24VDC	DRY CONTACT	PW400	H		S	NIS	2	6	15
Card Type: Digital OUT/ 16																				
TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL	RELAY OUTPUT	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL	
XY-611B51	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	FIELD	OIL RECOVERY VALVE SOV - CHILLER RECOVERY		VESSELS SKID	JB-6101-04	DO	24VDC	WET CONTACT	PW400	H		IS	2	7	0	
XY-611B52	Propylene	VD-GPIC-MA-3029-0015	BOOL	UCP-6101	FIELD	OIL RECOVERY VALVE SOV - COMPRESSOR DISCHARGE		VESSELS SKID	JB-6101-04	DO	24VDC	WET CONTACT	PW400	H		IS	2	7	1	
						SPARE				DO	24VDC		PW399				2	7	2	
						SPARE				DO	24VDC		PW400				2	7	3	
						SPARE				DO	24VDC		PW400				2	7	4	
						SPARE				DO	24VDC		PW400				2	7	5	
						SPARE				DO	24VDC		PW400				2	7	6	
						SPARE				DO	24VDC		PW400				2	7	7	
						SPARE				DO	24VDC		PW400				2	7	8	
						SPARE				DO	24VDC		PW400				2	7	9	
						SPARE				DO	24VDC		PW400				2	7	10	
						SPARE				DO	24VDC		PW400				2	7	11	
						SPARE				DO	24VDC		PW400				2	7	12	
						SPARE				DO	24VDC		PW400				2	7	13	
						SPARE				DO	24VDC		PW400				2	7	14	
						SPARE				DO	24VDC		PW400				2	7	15	

JB-UEV-611/12...

JB-UEV-611/12...

IN-04. On/off valves shall be EExd (NIS)

ULT003 - PLC I/O LIST COUNT IS PER UNIT

- AI : Analog Input
- AO : Analog Output
- H : Hardware
- S : Serial
- DI : Digital Input
- DO : Digital Output
- DCS : Data Control Center
- MCC : Motor Control Center
- UCP-6101 : Unit Control Panel
- LCP : Local Control Station
- PLC : Programmable Logic Controller

This I/O List is a document containing list of instrumentation which serve as input or output of control system.



Document No.:

VD-GPIC-MA-3029-0045

NO.	BY	APP	DATE
00	FAD	IMA	09/07/2025

P.O.I
IER

I/O List

FOR PROJECT  
P.O No.  
SITE SERVICE

Gachsaran Polymer Industries Company (GPIC)

HDPE

GPIC DD MA REQ 000 3029

Propylene Refrigeration Package

ITEM: PK-6101

JB-UIA-611/12...

TAG	SERVICE	PID DWG No.	TYPE	FROM	TO	DESCRIPTION	Engineering units	LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL	RELAY OUTPU	POWER SUPPLY	TYPE	SERIAL	IS/NIS	RACK	SLOT	CHANNEL
Card Type: Digital IN/ 32																			
Card Type: Analog IN/ 8																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPU	POWER SUPPLY				RACK	SLOT	CHANNEL
PIT-611832	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COALESCER ELEMENT OUTLET PRESSURE	Bar	COMP SKID	JB-6101-02A	AI	4-20mA	-	PW400	H	S	IS	2	8	0
PIT-611833	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL FILTER SUPPLY PRESSURE	Bar	COMP SKID	JB-6101-02A	AI	4-20mA	-	PW400	H	S	IS	2	8	1
PIT-611813	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- OIL SUPPLY PRESSURE	Bar	COMP SKID	JB-6101-02A	AI	4-20mA	-	PW400	H	S	IS	2	8	2
PIT-611811	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- SUCTION PRESSURE	Bar	COMP SKID	JB-6101-02A	AI	4-20mA	-	PW400	H	S	IS	2	8	3
PIT-611812	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- DISCHARGE PRESSURE	Bar	COMP SKID	JB-6101-02A	AI	4-20mA	-	PW400	H	S	IS	2	8	4
TIT-611812	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SEPARATOR TEMPERATURE		COMP SKID	JB-6101-02	AI	4-20mA	-	PW401	H	S	IS	2	8	5
TIT-611811	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A-SUCTION TEMPERATURE		COMP SKID	JB-6101-02	AI	4-20mA	-	PW400	H	S	IS	2	8	6
Card Type: Analog IN/ 8																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPU	POWER SUPPLY				RACK	SLOT	CHANNEL
PIT-611831	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	SPARE		COMP SKID	JB-6101-02A	AI	4-20mA	-	PW398	H	S	IS	2	9	0
PIT-611823	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMMON DISCHARGE PRESSURE	Bar	COMP SKID	JB-6101-02A	AI	4-20mA	-	PW400	H	S	IS	2	9	1
PIT-611821	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- OIL SUPPLY PRESSURE	Bar	COMP SKID	JB-6101-02B	AI	4-20mA	-	PW400	H	S	IS	2	9	2
PIT-611822	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- SUCTION PRESSURE	Bar	COMP SKID	JB-6101-02B	AI	4-20mA	-	PW401	H	S	IS	2	9	3
						COMPRESSOR -B- DISCHARGE PRESSURE		COMP SKID	JB-6101-02B	AI	4-20mA	-	PW402	H	S	IS	2	9	4
						SPARE		COMP SKID	JB-6101-02B	AI	4-20mA	-	PW403	H	S	IS	2	9	5
						SPARE		COMP SKID	JB-6101-02B	AI	4-20mA	-	PW404	H	S	IS	2	9	6
TIT-611821	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A-SUCTION TEMPERATURE		COMP SKID	JB-6101-02B	AI	4-20mA	-	PW405	H	S	IS	2	9	7
Card Type: Analog IN/ 8																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPU	POWER SUPPLY				RACK	SLOT	CHANNEL
TIT-611832	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR DISCHARGE TEMPERATURE		COMP SKID	JB-6101-02	AI	4-20mA	-	PW400	H	S	IS	2	10	0
TIT-611833	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SUPPLY TEMPERATURE		COMP SKID	JB-6101-02	AI	4-20mA	-	PW400	H	S	IS	2	10	1
VIT-611811	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- CASING VIBRATION		COMP SKID	JB-6101-02	AI	4-20mA	-	PW400	H	S	IS	2	10	2
VIT-611821	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -B- CASING VIBRATION		COMP SKID	JB-6101-02	AI	4-20mA	-	PW400	H	S	IS	2	10	3
LIT-611831	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	OIL SEPARATOR LEVEL	%	COMP SKID	JB-6101-02	AI	4-20mA	-	PW400	H	S	IS	2	10	4
						SPARE		COMP SKID	JB-6101-02	AI	4-20mA	-	PW401	H	S	IS	2	10	5
ZT-611811	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR -A- SLIDE VALVE POSITION		COMP SKID	JB-6101-02	AI	4-20mA	-	PW400	H	S	IS	2	10	6
ZT-611821	Propylene	VD-GPIC-MA-3029-0016	FLOAT/REAL	FIELD	UCP-6102	COMPRESSOR -B- SLIDE VALVE POSITION		COMP SKID	JB-6101-03	AI	4-20mA	-	PW401	H	S	IS	2	10	7
Card Type: Analog IN/ 8																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPU	POWER SUPPLY				RACK	SLOT	CHANNEL
TIT-611852	Propylene	VD-GPIC-MA-3029-0014	FLOAT/REAL	FIELD	UCP-6100	CHILLER TUBE OUTLET TEMPERATURE		VESSLES SKID	JB-6101-04	AI	4-20mA	-	PW399	H	S	IS	2	11	0
LIT-611851	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	CHILLER LEVEL	%	VESSLES SKID	JB-6101-04	AI	4-20mA	-	PW400	H	S	IS	2	11	1
						SPARE		COMP SKID	JB-6101-04	AI	4-20mA	-	PW401	H	S	IS	2	11	2
PIT-611841	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	ECONOMIZER TUBESIDE PRESSURE	Bar	COMP SKID	JB-6101-04	AI	4-20mA	-	PW402	H	S	IS	2	11	3
TIT-611841	Propylene	VD-GPIC-MA-3029-0016	FLOAT/REAL	FIELD	UCP-6102	ECONOMIZER TUBESIDE TEMPERATURE		COMP SKID	JB-6101-04	AI	4-20mA	-	PW403	H	S	IS	2	11	4
TT-611890	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	PLC	UNIT CONTROL PANEL TEMPERATURE		UCP-6101	UCP-6101	AI	4-20mA	-	PW400	H	S	NIS	2	11	5
						SPARE		COMP SKID	JB-6101-04	AI	4-20mA	-	PW400	H	S	IS	2	11	6
						SPARE		COMP SKID	JB-6101-04	AI	4-20mA	-	PW400	H	S	IS	2	11	7
Card Type: Analog IN/ 8																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPU	POWER SUPPLY				RACK	SLOT	CHANNEL
TE-611818A	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -A- BEARING TEMP DE		COMP -A- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	12	0
TE-611818B	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -A- BEARING TEMP NDE		COMP -A- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	12	1
TE-611818A	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -A- BEARING TEMP DE		COMP -B- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	12	2
TE-611818B	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	FIELD	UCP-6101	COMPRESSOR MOTOR -A- BEARING TEMP NDE		COMP -B- SKID	MOTOR JB	AI	4-20mA	-	PW400	H	S	IS	2	12	3
						SPARE		COMP SKID	JB-6101-04	AI	4-20mA	-	PW400	H	S	IS	2	12	4
IT-611811	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	MCC	UCP-6101	COMPRESSOR -A- MOTOR CURRENT	AMPS	MCC	UCP-6101	AI	4-20mA	-	PW400	H	S	IS	2	12	5
IT-611821	Propylene	VD-GPIC-MA-3029-0016	FLOAT/REAL	MCC	UCP-6102	COMPRESSOR -B- MOTOR CURRENT	AMPS	MCC	UCP-6102	AI	4-20mA	-	PW401	H	S	IS	2	12	6
Card Type: Analog OUT 4																			
TAG						DESCRIPTION		LOCATION	JB No.	SIGNAL CATEGORY	SIGNAL TYPE	RELAY OUTPU	POWER SUPPLY				RACK	SLOT	CHANNEL
PVI-611851	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	UCP-6101	FIELD	HOT GAS BYPASS CONTROL VALVE	%	VESSLES SKID	JB-6101-04	AO	4-20 mA	-	-	H	S	IS	2	13	0
LVI-611851	Propylene	VD-GPIC-MA-3029-0015	FLOAT/REAL	UCP-6101	FIELD	CHILLER LEVEL CONTROL VALVE	%	VESSLES SKID	JB-6101-04	AO	4-20 mA	-	-	H	S	IS	2	13	1
TPVI-611841	Propylene	VD-GPIC-MA-3029-0016	FLOAT/REAL	UCP-6102	FIELD	CHILLER LEVEL CONTROL VALVE	%	VESSLES SKID	JB-6101-04	AO	4-20 mA	-	-	H	S	IS	2	13	2
						SPARE		COMP SKID	JB-6101-04	AO	4-20 mA	-	-	H	S	IS	2	13	3

IN-05. If for some instruments in field which are not loop powered, external power such as 110V AC or 24V DC is required, it shall be clearly specified as a note.

IN-06. Native file (Excel) shall be submitted with PDF file in all the next revisions.

ULT003 - PLC I/O LIST  
COUNT IS PER UNIT

- AI: Analog Input
- AO: Analog Output
- H: Hardwire
- S: Serial
- DI: Digital Input
- DO: Digital Output
- DCS: Data Control Center
- MCC: Motor Control Center
- UCP-6101: Unit Control Panel
- LCP: Local Control Station
- PLC: Programmable Logic Controller