

**IO SUMMARY**

Sl.No	Equipment Description	Qty	AI	DI	AO	DO	Field Devices
<b>I</b>	<b>Consealed Green Irrigation - Control system</b>	<b>1</b>					
	<b>Input Points-Real Time Monitoring</b>						
1	Temperature sensor	2	3				Space Temperature + Humidity Sensor
2	Humidity Sensor	2	3				
3	Light Intensity sensor	8	8				LUX Meter
4	CO2 sensors	3	3				Space CO2 Sensor
5	PH meter	1	1				PH + Conductivity meter
6	Conductivity meter	1	1				
7	AC Status			1			VFC from AC
8	Humidifier & Dehumidifier Status			2			VFC fro Humidifier
9	Fertilizer Status			1			VFC from Fertilizer
10	CO2 Generator status			1			VFC from CO2 Generator
	<b>Out Points-Real Time Control</b>						
10	Temperature					1	230VAC to AC Unit
11	Humidification					1	230VAC to Humidifier Unit
12	De Humidification					1	230VAC to Dehumidifier Unit
13	Light Intensity variation					1	230VAC to Lighting Control Unit
14	CO2 Generation					1	230VAC to CO2 Generator
15	PH Reuulation-Control to Fertilizer					1	230VAC to Fertilization Unit
16	Conductivity Regulation					1	230VAC to Fertilization Unit
	<b>Net Total</b>		<b>19</b>	<b>5</b>	<b>0</b>	<b>7</b>	<b>[2 X SE6166] X 1</b>

## Bill of Materials

SI No.		Model No.	Description	Unit	Qty	Remark
<b>I</b>	<b>BMS Software</b>					
	1	WebCTRL-500	BMS Software (Limited 500 points) with advanced reporting, advanced alarming	EA	1	ALC-USA
<b>II</b>	<b>Controller ,Expansion Modules &amp; Control Panels</b>					
	1	DDC	DDC Controllers	Lot	1	ALC-USA
<b>III</b>	<b>Gateway/Routers</b>					
	1	LGR	Gateway router	EA	1	ALC-USA
<b>IV</b>	<b>Field Devices</b>					
	1	CDD5C201P	Carbon Dioxide Detector (CO2), 0-20,000 ppm, Temperature & Humidity sensor	EA	3	GREYSTONE
	2	MK7-B-CCF-0/10	Lux Meter - INDOOR LIGHT SENSOR 0-10	EA	8	
	3	50000	PH Sensor with Display	EA	1	
	4	50000	Conductivity Sensor with Display	EA	1	