

Price Quote Details for

A. One Time Repairs

B. AMC Charges

Part A: One Time Repair Charges Chamber wise

1.Reference Chamber 1A

Sl No	Components	nos	Specific ations	Manufactur e details	Present Status of System			Price schedule for Each item as below			Total Amount
					Working	Not-Working	Need Repairs	Working-if-any	Cost of Replacement	Cost of Repairs	
1	Structural material										
1.1	50x50mm G.I.Pipe-complete fittings with nut bolts	1		Saveer biotech	Yes.OK Except at three Places Sheet joints, Al strip,needs repair,sealing etc.						
1.2	Aluminium Profile-for PC Sheet	1		Saveer biotech							
1.3	Aluminium sliding door	1		Saveer biotech							
2	Covering material										
2.1	6mm Polycarbonate sheet Clear-for all side	1		Lexan							
3	Cooling System										
3.1	36 inch Exhaust Fan assembly with fan belt, safety Louver Kit, totally enclosed Housing sheet steel	2	0.75HP 415volts S1 duty, IP55 TEFC	Laxmi Hydraulics	For Blades, Louver Kit service needed	2-3 Ph. Ind. motor or Belt	Yes				
3.2	0.5 HP mini master pump set model	1		Crompton Greaves		1					
3.3	Screen Filter-5Cum/hr	1		Kelba		1					
3.4	100 mm Celdec pad size(4mx1.5m) THE Cellulose Pad. Sterile Mixed Cellulose Ester (MCE) filter set.	1				1					
3.5	Alu. frame,distribution pipe,etc for above	1		Munter	Yes						
3.6	Water tank-500L	1		Reno-Sintex		1					
4	Fogging System										
4.1	0.75/1 HP Monoblock pump model	1		Crompton Greaves		Yes					
4.2	4-way Fogging nozzles 28LHPLPD, microtube-	35		Netafim	17	18					
4.3	Screen Filters	1		Kelba			Yes				
4.4	16mm LDPE pipe with accessories set	1				Yes					
4.5	Water tank-500L	1		Reno-Sintex	Yes		Yes				
5	Temperature+Humidity sensor										
5.1	Surface/Wall Mount, 2-Wire-RH+T Transmitter Ord.code2340	6	Radix SC-807	Radix		6					
6	Analog Input Module										
6.1	Analog Input Module-8I/P channels, 4-20 mA, RS485/Mod bus Ord. Code 2310.	2	Radix SCM201	Radix	1	1					

7	Air Circulated Fans	2	Sahara	Vikas Engrs,	1	1	Yes				
8	Control box all 1.Schneider electric contactor-3 Not work 2.Schneider MCBTP-2Nos,SP-4 Not work 3.Schneider Thermal Protection-3Notwork 4.Electric Connectors, wire terminals etc-need servicing.	1set		Hager			yes				
Summary of cost for Reference Chamber 1A											

2.Reference Chamber -1B

Sl No	Components	nos	Specific ations	Manufactur e details	Present Status of System			Price schedule for Each item as below			Total
					Worki ng	Not-Worki ng	Need Repairs	Worki ng-if-any	Cost of Replac ement	Cost of Repairs	Amo unt
1	Structural material										
1.1	50x50mm G.I.Pipe-comlete fittings with nut bolts	1		Saveer biotech	Yes.OK Except at three Places Sheet joints, Al strip, needs repairs, sealing etc.						
1.2	Aluminium Profile-for PC Sheet	1		Saveer biotech							
1.3	Aluminium sliding door	1		Saveer biotech							
2	Covering material										
2.1	6mm Poycarbonate sheet Clear-for all side	1		Lexan							
3	Cooling System										
3.1	36 inch Exhaust Fan assembly with fan belt, safety Louver Kit, totally enclosed Housing sheet steel	2	0.75HP 415volts S1 duty, IP55 TEFC	Laxmi Hydraulics	For Blades, Louver Kit service needed	2 - 3PhI nd mot or Belt	Yes				
3.2	0.5 HP mini master pump model	1		Crompton Greaves		Yes					
3.3	Screen Filter-5Cum/hr	1		Kelba		Yes					
3.4	100 mm Celldec pad size(4mx1.5m) THE Cellulose Pad. Sterile Mixed Cellulose Ester (MCE) filter.	1				Yes					
3.5	Alu. frame,distribution pipe,etc for above	1		Munter	Yes						
3.6	Water tank-500L	1		Reno-Sintex		yes	yes				
4	Fogging System										
4.1	0.75/1 HP Monoblock pump model	1		Crompton Greaves			Yes				
4.2	4-way Fogging nozzles 28LHPLPD, microtube-	35		Netafim	17	18					
4.3	Screen Filters	1		Kelba			Yes				
4.4	16mm LDPE pipe with accessories	1				Yes					
4.5	Water tank-500L	1		Reno-Sintex	Yes						
5	Temperature+Hum udity sensor										
5.1	Surface/Wall Mount, 2-Wire-RH+T Transmi tter	6	Radix SC-807	Radix		Six					

	Ord.code2340										
6	Analog Input Module										
6.1	Analog Input Module-8I/P channels, 4-20 mA, RS485/Mod bus Ord. Code 2310.	2	Radix SCM201	Radix		Two					
7	Air Circulated Fans	2	Sahara Cooler Motors	VIKAS ENGINEERS		Two	Yes				
8	Control box all electrical protection, mcb contactors etc. 1. Schneider electric contactor 2. Schneider electric MCB -TP-2Nos,SP-8 Nos, 4 MCB Not working 3. Schneider Thermal Magnetic Circuit Breaker GV2ME07-2 4. Elect Connectors, wire terminals etc-Working repairs.	1set		Hager			yes				
	Summary of cost for Reference Chamber 1B										

3. Temperature Chamber -1A

Sl No	Components	nos	Specifications	Manufacturer details	Present Status of System			Price schedule for Each item as below			Total
					Working	Not-Working	Need Repairs	Working-if-any	Cost of Replacement	Cost of Repairs	Amount
1	Structural material										
1.1	50x50mm G.I.Pipe-complete fittings with nut bolts	1		Saveer biotech	Yes.OK Except at three Places Sheet joints, Al strip, needs repairs, sealing etc.						
1.2	Aluminium Profile-for PC Sheet	1		Saveer biotech							
1.3	Aluminium sliding door	1		Saveer biotech							
2	Covering material										
2.1	6mm Poycarbonate sheet Clear-for all side	1		Lexan							
3	Cooling System										
3.1	36 inch Exhaust Fan assembly with fan belt, safety Louver Kit, totally enclosed Housing sheet steel	2	0.75HP 415volts S1 duty, IP55 TEFC	Laxmi Hydraulics	For Blades, Louver Kit service needed	2Nos-3Ph Ind motor Belt	Yes				
3.2	0.5 HP mini master pump model	1		Crompton Greaves		Yes					
3.3	Screen Filter-5Cum/hr	1		Kelba		Yes					
3.4	100 mm Celldec pad MCE filter.	1				Yes					
3.5	Alu. frame,disrtibution pipe,etc for above	1		Munter	Yes						
3.6	Water tank-500L	1		Reno-Sintex				yes			
4	Fogging System										
4.1	0.75/1 HP Monoblock pump model	1		Crompton Greaves			Yes				
4.2	4-way Fogging nozzles 28LHPLPD, microtube-	35		Netafim	18	17					
4.3	Screen Filters	1		Kelba			Yes				
4.4	16mm LDPE pipe with accessories	1				Yes					

4.5	Water tank-500L	1		Reno-Sintex	Yes						
5	Temperature+Humidity sensor										
5.1	Surface2-Wire-RH+T Transmitter code2340	6	Radix SC-807	Radix		Six					
6	Analog Input Module										
6.1	Analog Input Module-8I/P channels, 4-20 mA, RS485/Mod bus Ord. Code 2310.	2	Radix SCM201	Radix		Two					
7	Air Circulated Fans	2	Sahara	VIKAS		1	1				
8	Heating Fan with heaters	6			2		4				
9	Control box all electrical protection, mcb contactors etc. 1. Schneider electric contactor-3 2. Schneider electric MCB -TP-2Nos,SP-10 Nos, 4 MCB Not working 3. Schneider Thermal Magnetic Circuit-3 Breaker GV2ME07-2 4. Elect Connectors, wire terminals etc-Working repairs.	1set		Hager			yes				
	Summary of cost for Temperature Chamber -1A										

4 Temperature Number: 12											
SI No	Components	Num bers	Spec ificat ions	Manufact ure details	Present Status of System			Price schedule for Each item as below			Total Amount
					Workin g	Not-Work ing	Need Repa irs	Worki ng-if-any	Cost of Repla ceme nt	Cost of Repairs	
1	Structural material										
1.1	50x50mmG.I.Pipe-complete fittings	1		Saveer biotech	Yes,OK Except at 3-4 Places Sheet joints, Al strip, needs repairs, sealing etc.						
1.2	Aluminium Profile-for PC Sheet	1		Saveer biotech							
1.3	Aluminium sliding door	1		Saveer biotech			Yes				
2	Covering material										
2.1	6mm Poycarbonate sheet Clear all side	1		Lexan							
3	Cooling System										
3.1	36 inch Exhaust Fan assembly with fan belt, safety Louver Kit, totally enclosed Housing sheet steel	2	0.75 HP41 5 volts S1dty IP55	Laxmi Hydraulics	For Blades, Louver Kit service needed	2Nos -3Ph Ind motor, Belt	Yes				
3.2	0.5 HP minimaster pump model	1		Crompton Greaves		Yes					
3.3	Screen Filter-5Cum/hr	1		Kelba		Yes					
3.4	100 mm Celldc pad size Sterile Mixed Cellulose Ester (MCE) filter.	1				Yes					
3.5	Al. frame,disrtibution pipe,etc for above	1		Munter	Yes						
3.6	Water tank-500L	1		Reno-Sintex	Yes						
4	Fogging System										

4.1	0.75/1 HP Monoblock pump model	1		Crompton Greaves		Yes					
4.2	4-wayFogging nozzles 28LHPLPD,microtube-	35		Netafim	17	18					
4.3	Screen Filters	1		Kelba			Yes				
4.4	16mm LDPE pipe with accessories	1				Yes					
4.5	Water tank-500L	1		Reno-Sintex			Yes				
5	Temperature+Humidity sensor										
5.1	Surface 2-Wire-RH+T Transmittercode2340	6	Radix SC-807	Radix		Six					
6	Analog Input Module										
6.1	Analog Input Module-8I/P channels 4-20 mA output, RS485 MODBUS Code 2310.	2	Radix SCM201	Radix		2					
7	Air Circulated Fans	2	Sahara	VIKAS	1	1					
8	Heating Fan with heaters	6			1	3	2				
9	Control box comprising of all electrical protection, mcb contactors etc. 1.Schneider electric contactor-3 Not work 2..Schneider electric MCB-TP-2Nos,SP-8 Nos -4 Not working 3.Schneider Thermal Magnetic Circuit Breaker-3 Notwork 4.Electric Connectors, wire terminals etc- need servicing.	1set		Hager			yes				
Summary of cost for Temperature Chamber -1B											

5. Temperature X CO₂ Chamber -1A

37. Temperature X CO2 Chamber - 1A											
SI No	Components	Num bers	Spec ificat ions	Manufact ure details	Present Status of System			Price schedule for Each item as below			Total
					Working	Not- Working	Need Repai rs	Worki ng-if- any	Cost of Repla ceme nt	Cost of Repairs	Amount
1	Structural material										
1.1	50x50mmG.I.Pipe- complete fittings	1		Saveer biotech	Yes.OK Except at 3-4 Places Sheet joints, Al strip, needs repairs, sealing etc.						
1.2	Al.Profile-forPC Sheet	1		Saveer bio							
1.3	Aluminiumsliding door	1		Saveer bio			Yes				
2	Covering material										
2.1	6mm Poycarbonate sheet Clear all side	1		Lexan							
3	Cooling System										
3.1	36 inch Exhaust Fan assembly with fan belt, safety Louver Kit, in SS enclosure	2	0.75 HP41 5 volts S1dty	Laxmi Hydraulics	For Blades, Louver Kit service needed	2nos 3Ph motor, Belt	Yes				

1.1	50x50mm G.I. Pipe-complete fittings	1		Saveer biotech	Yes. OK Except at 3-4 Places Sheet joints, Al strip, needs repairs, sealing etc.						
1.2	Aluminium Profile-for PC Sheet	1		Saveer bio							
1.3	Aluminium sliding door	1		Saveer bio			Yes				
2	Covering material										
2.1	6mm Polycarbonate sheet Clear all side	1		Lexan							
3	Cooling System										
3.1	36 inch Exhaust Fan assembly with fan belt, safety Louver Kit, in SS enclosure	2	0.75 HP 415 volts S1dty	Laxmi Hydraulics	For Blades, Louver Kit service needed	2 Nos 3Ph motor, Belt	Yes				
3.2	0.5 HP pump model	1		Crompton		Yes					
3.3	Screen Filter 5 Cum/hr	1		Kelba		Yes					
3.4	100 mm Celdec pad MCE filter.	1				Yes					
3.5	Al. frame, distribution pipe, etc for above	1		Munter			Yes				
3.6	Water tank-500L	1		Reno-Sintex			Yes				
4	Fogging System										
4.1	0.75/1 HP pump set	1		Crompton		Yes					
4.2	4-way Fogging nozzles 28LHPLPD, microtube-	35		Netafim	18	17					
4.3	Screen Filters	1		Kelba			Yes				
4.4	16mm LDPE pipe with accessories	1				Yes					
4.5	Water tank-500L	1		Reno-Sintex			Yes				
5	Temperature+Humidity sensor										
5.1	Surface 2-Wire-RH+T Transmitter code 2340	6	Radix SC-807	Radix		Six					
6	Analog Input Module										
6.1	Analog Input Module-8I/P, 4-20 output, RS485 MODBUS Code 2310.	2	Radix SCM201	Radix		2					
7	Air Circulated Fans	2	Sahara	VIKAS		2					
8	Heating Fan with heaters	6			1	2	3				
9	Solenoid Valves Code 20101-2.5-2G	10		Rotex Automation		10					
10	CO₂ Analyser/Monitor IRGA based Edinburgh Sensors Guardian NG	1	Guardian NG	Priva Edinburgh sensors		Yes					
11	CO₂ Tubing Parker Legris PU "crystal" sizes: OD/ID 12x8mm and 6x4mm	145 meters		Parker Legris		Yes					
12	Control box 1. Schneider electric contactor-3 Not working 2. Schneider electric MCB-TP-2 Nos, SP-8 Nos -4 Not working 3. Schneider Thermal Magnetic Circuit Breaker-3	1 set		Hager		yes					

	Network 4.Electric Connectors, wire terminals etc- need servicing.									
	Summary of cost for Temperature X CO2 Chamber -1B									

7. Elevated CO₂ Chamber -1A

SI No	Components	Numbers	Specifications	Manufacturer details	Present Status of System			Price schedule for Each item as below			Total
					Working	Not-Working	Need Repairs	Working-if-any	Cost of Replacement	Cost of Repairs	Amount
1	Structural material										
1.1	50x50mmG.I.Pipe-complete fittings	1		Saveer biotech	Yes.OK Except at 3-4 Places Sheet joints, Al strip, needs repairs, sealing etc.						
1.2	Aluminium Profile-for PC Sheet	1		Saveer bio							
1.3	Aluminiumsliding door	1		Saveer bio			Yes				
2	Covering material										
2.1	6mm Poycarbonate sheet Clear all side	1		Lexan							
3	Cooling System										
3.1	36 inch Exhaust Fan assembly with fan belt, safety Louver Kit, in SS enclosure	1	0.75 HP415 volts S1dty	Laxmi Hydraulics	For Blades, Louver Kit service needed	1 No 3Ph motor, Belt	Yes				
3.2	0.5 HP pump model	1		Crompton		Yes					
3.3	Screen Filter5Cum/hr	1		Kelba		Yes					
3.4	100 mm Celldec pad MCE filter.	1				Yes					
3.5	Al. frame,distribution pipe,etc for above	1		Munter			Yes				
3.6	Water tank-500L	1		Reno-Sintex			Yes				
4	Fogging System										
4.1	0.75/1 HP pump set	1		Crompton		Yes					
4.2	4-wayFogging nozzles 28LHPLPD,microtube-	35		Netafim	17	18					
4.3	Screen Filters	1		Kelba			Yes				
4.4	16mm LDPE pipe with accessories	1				Yes					
4.5	Water tank-500L	1		Reno-Sintex			Yes				
5	Temperature+Humidity sensor										
5.1	Surface 2-Wire-RH+T Transmittercode2340	6	Radix SC-807	Radix		Six					
6	Analog Input Module										
6.1	Analog Input Module-8I/P,4-20output, RS485 MODBUS Code 2310.	2	Radix SCM201	Radix		2					
9	Solenoid Valves Code 20101-2.5-2G	10		Rotex Automation		10					
10	CO₂Analyser/Monitor IRGA based Edinburgh Sensors Guardian NG	1	Guardian NG+	Priva Edinburgh sensors		Yes					
11	CO₂ Tubing Parker Legris PU "crystal"	145 meter		Parker Legris		Yes					

	sizes: OD/ID12x8mm and 6x4mm	S									
12	Control box 1.Schneider electric contactor-2 Not work 2..Schneider electric MCB-TP- 2Nos,SP-8 Nos -4 Not working 3.Schneider Thermal Magnetic Circuit Breaker- 2Notwork 4.Electric Connectors, wire terminals etc- need servicing.	1set		Hager		yes					
Summary of cost for Elevated CO2 Chamber -1A											

8. Elevated CO₂ Chamber -1B

SI No	Components	Num bers	Spec ificat ions	Manufact ure details	Present Status of System			Price schedule for Each item as below			Total
					Working	Not-Working	Need Repairs	Worki ng-if-any	Cost of Repla cement	Cost of Repairs	Amount
1	Structural material										
1.1	50x50mmG.I.Pipe-complete fittings	1		Saveer biotech	Yes.OK Except at 3-4 Places Sheet joints, Al strip, needs repairs, sealing etc.						
1.2	Aluminium Profile-for PC Sheet	1		Saveer bio							
1.3	Aluminiumsliding door	1		Saveer bio			Yes				
2	Covering material										
2.1	6mm Poycarbonate sheet Clear all side	1		Lexan							
3	Cooling System										
3.1	36 inch Exhaust Fan assembly with fan belt, safety Louver Kit, in SS enclosure	1	0.75 HP415 volts S1dty	Laxmi Hydraulics	For Blades, Louver Kit service needed	1 No 3Ph motor, Belt	Yes				
3.2	0.5 HP pump model	1		Crompton		Yes					
3.3	Screen Filter5Cum/hr	1		Kelba		Yes					
3.4	100 mm Celldec pad MCE filter.	1				Yes					
3.5	Al. frame,distrtubition pipe,etc for above	1		Munter			Yes				
3.6	Water tank-500L	1		Reno-Sintex			Yes				
4	Fogging System										
4.1	0.75/1 HP pump set	1		Crompton		Yes					
4.2	4-wayFogging nozzles 28LHPLPD,microtube-	35		Netafim	18	17					
4.3	Screen Filters	1		Kelba			Yes				
4.4	16mm LDPE pipe with accessories	1				Yes					
4.5	Water tank-500L	1		Reno-Sintex			Yes				
5	Temperature+Humidity sensor										
5.1	Surface 2-Wire-RH+T Transmittercode2340	6	Radix SC-807	Radix		Six					

6	Analog Input Module									
6.1	Analog Input Module-8I/P,4-20output, RS485 MODBUS Code 2310.	2	Radix SCM201	Radix		2				
9	Solenoid Valves Code 20101-2.5-2G	10		Rotex Automation		10				
10	CO₂Analyser/Monitor IRGA based Edinburgh Sensors Guardian NG	1	Guardian NG+	Priva Edinburgh sensors		Yes				
11	CO₂ Tubing Parker Legris PU "crystal" sizes: OD/ID12x8mm and 6x4mm	145 meters		Parker Legris		Yes				
12	Control box 1.Schneider electric contactor-2 Not work 2..Schneider electric MCB-TP-2Nos,SP-8 Nos -4 Not working 3.Schneider Thermal Magnetic Circuit Breaker-2Notwork 4.Electric Connectors, wire terminals etc- need servicing.	1set		Hager		yes				
Summary of cost for Elevated CO2 Chamber -1B										

9. Control Room

SI No	Components	Numbers	Specifications	Manufacture details	Present Status of System		
					Working	Not-Working	Need Repairs
1.1	PLC -Mitsubishi PLC - FX3U-32M with 4 X FX _{2N} 16EYT AND FX _{2N} 8EYR-ES. Comprising of 16 X 8 port Relay modules, Power supply-source, Redix SCC401Signal Isolators, Redix 201 Analog Input Module-8I/P channels unit with relevant PC connectors, safety and secure measures.	1	MELSEC FX3U-32M	Mitsubishi	Yes		Yes sensor Calibration
1.2	xArrow – SCADA / HMI A SCADA/HMI software, based on object oriented technology, and runs on Microsoft Windows 7 with xArrow OEM licence Key for Version 5.0. xArrow supports I/O server, historical server and alarm server redundancy, support archive daily historical data and alarm to a single data file, all the operations are recorded to the database for later analysis. Data availability on xArrow own database or the third-party database software as its historical database.	1	xArrow Ver 5.0	Xi'An Rui Arrow Software Ltd. ShannXi, China	Yes. Tuning data base is needed.		
1.3	Dell Vostro CPU Work station, Dell S2240M, HP LaserjetPro Colour M461NW printer and Data Base storing unit.	1	Dell/HP	Dell / HP	Yes		Monitor has a fine vertical black line
1.4	APC online UPS 5.0 KVA with 1 hour Battery Backup with 16nos Amaron Quanta VRLA.	1	APC SRC6K UXI	APC	Yes		

Part A : Total Repair Charges

SI no	Chamber Type	Charges under head Working if any	Charges under head Not-Working	Charges under head Need Repairs	Total Amount
1.	Reference Chamber 1A				
2.	Reference Chamber 1B				
3	Temperature Chamber -1A				
4	Temperature Chamber -1B				
5	Temperature X CO2 Chamber -1A				
6.	Temperature X CO2 Chamber -				

	1B				
7	Elevated CO2 Chamber -1A				
8	Elevated CO2 Chamber -1B				
9	Control Room				
Total One Time Repair Charges in Rs.					

Note: The spares replaced under One Time Repairs shall carry the warranty from OEM for the period specified by OEM. Warranty services rendered by the OEM shall be managed during that period by firm under AMC. Prices are to be quoted accordingly under AMC.

Part B: AMC Charges:

After Initial one time paid repairs, replacement, SCADA-calibrations and successful demonstration of all parameters AMC will take in to effect.

Part B (i): Component charges applicable as and when if any of the parts need replacement during AMC period.

SI No	Components	Quantity	Specifications	Make	Rate	Amount
1	Structural material					
1.1	50x50mm G.I.Pipe-complete fittings with nut bolts	1 set				
1.2	Aluminium Profile-for PC Sheet complete set	1 set				
1.3	Aluminium sliding door complete unit	1 Unit				
2	Covering material					
2.1	Thick multi wall 6mm 6mm size UV Stabilized Polycarbonate sheet with 10year onsite Warranty for a.85% PAR, b.yellowing, c.breaking etc. LEXAN make XL102UV model or similar certified product including fixing, sealing, water proofing complete	1Unit (Per Sq. Meter)				
3	Cooling System					
3.1	a. 36 inch Exhaust Fan assembly 0.75HP 415volts S1duty, IP55 TEFC b. fan belt, c. Pulley & Key d. safety Louver Kit, integrated precision formed exterior shutters prevent drafts from entering through the external opening, Shutters open and close automatically, Housing constructed of durable 20-gauge rust-resistant galvanized steel e. Balanced blade fan assembly	1unit 1 unit 1 set 1 set 1 unit		Laxmi Hydraulics Kirloskar/ ABB		
3.2	0.5 HP minimaster pump model complete set	1 unit		Crompton Greaves /Kirloskar		
3.3	Screen Filter-5Cum/hr complete set	1 set		Kelba		
3.4	100 mm Celdec pad size(4mx1.5m) THE Cellulose Pad is cross corrugated coated with anti-rot, rigidify & wetting resins, are made for maximum efficiency, at minimum pressure drop. Sterile Mixed Cellulose Ester (MCE) filter complete set. 4000x1500x100	1 set	CELdek® 7090-15-x-x-x	Celdec/Munters		
3.5	Aluminium frame, distribution pipes, etc for above complete set	1 set		Munter		
3.6	Water tank-500L including Float and flanges etc. Multilayer hygienic water tank with Antibacterial, Protection against algae formation, 100% UV stabilised, Rustproof Virgin & Food Grade Plastic material complete set	1 Unit		Sintex		
4	Fogging System					
4.1	0.75/1 HP Fogging Monoblock pump complete set with steel filter set unit	1 set		Crompton Greaves		
4.2	Netafim CoolNet Pro Foggers Operating pressure range of 3 to 4 Kg/cm2, these foggers shall produce an average droplet size of 65 microns (at 4 Kg/cm2) each and every time. Each nozzle of the 4-Way Fogger has a flow rate of 0.15 LPM.	1 set	Netafim CoolNet Pro	Netafim		
4.3	Screen Filters	1 unit		Kelba		
4.4	16mm LDPE pipe with accessories	1 set				
4.5	Water tank-500L including Float and flanges etc. Multilayer hygienic water tank with Antibacterial,	1 unit		Sintex		

	Protection against algae formation, 100% UV stabilised, Rustproof Virgin & Food Grade Plastic material complete set					
5	Temperature+Humidity sensor Surface/Wall Mount, 2-Wire-RH+T Transmitter SC-807					
5.1	2-Wire-RH+T Transmitter SC-807 Where ever replacement is to be made with below model: SC804 is a high-performance 2-wire Relative Humidity and Temperature (RH+T) Transmitter with an IP66 rating with SHT20, SHT30 (wall-mount) and SHT40 (duct-mount) sensor and over all Accuracy : $\pm 2\%$ RH, ± 0.5 °C 2 x 4-20 mA outputs, Software calibration - no trim pots, Low loop drop: 11.5 - 32 V DC loop supply	1 set	Radix SC-804 /807	Radix		
6	Analog Input Module					
6.1	Analog Input Module-8I/P channels, 2x16 backlit LCD, 3 key, 3 level prog, 4-20 mA output, RS485/MODBUS RTU Ord. Code 2310 or compatible higher model only	1 Unit	Radix SCM201	Radix		
7	CO₂ Analyser / Monitor					
	Infrared gas monitor with near-analyser quality continuous sampling, measurement and display of CO ₂ gas concentrations with detection level ranges of between 0–2000ppm and 0–100% by volume, Make: Edinburgh Sensors UK, GuardianNG+		Guardian NG, NG+	Priva Edinburgh sensors		
8	Air Circulated Fans Horizontal Air Flow Greenhouse Air Circulation fans with 300M3/hour capacity in self-contained sheet steel enclosure with desired mounting arrangements any standard pre-approved model.	1 Unit	Any standard preapproved model			
9	Heating Fan with heaters self-contained sheet steel enclosure with heat generating capacity 2400 watts with a thermal cut off for above 50 \pm 0.5°C under any circumstances standard pre-approved model with desired mounting arrangements.	1 Unit	Any standard preapproved model			
10	Solenoid Valves - Direct Acting Normally Closed Solenoid Valve -2 Port diaphragm solenoid valve with Pressure range 0 to 150 bar. Rotex Automation's Fluid control solenoid valve Model number 20101	1 unit	20101	Rotex Automation Ltd		
11	CO₂ Tubing HIGH DUROMETER POLYURETHANE TUBING - HU/HUM SERIES or Polyurethane (Shore A 98) in Two sizes : OD/ID= 12mmx8mm- for supply, 6mmx4mm- for sampling. Preferably Resistance to Air, water, Co2 gas with required numbers of push-in fittings, perfect sealing based on NF E49-101 Push in type Connectors of HIGH DURO /Parker Legris	1Unit (running meter)		Parker Legris/ Surethane /Hi Duro		
12	Control box 1. Schneider electric contactor up to LC1D32 2. Schneider electric MCB –TP up to 40amp 3. Schneider electric MCB –SP up to 16 amp 4. Schneider Thermal Magnetic Circuit Breaker GV2ME07 as per current settings 5. Electric Connectors, wire terminals etc-with upto 30 meter suitable size copper wire. 6. Mounting Box IP55 suitable size Hager/better	1 unit 1 unit 1 unit 1 unit 1 set 1 Unit				
13	PLC -Mitsubishi PLC - FX3U-32M Base Model FX _{2N} 16EYT Parts for above FX _{2N} 8EYR-ES Parts for above 1 X 8 port Relay modules Parts for above Power supply-source Parts for above Radix SCC401Signal Isolators, Radix 201 Analog Input Module-8I/P	1 unit 1unit 1unit 1unit 1unit 1unit 1unit	MELSEC FX3U-32M Radix Radix	Mitsubishi Radix Radix		
14	CPU Work station for Dell Vostro CPU Work station either with Dell Precision 7820 Tower or HP Z440 Workstation with suitable Original Genuine OS, AV-IS, Data Management specifications on the day of replacement including workstation setup with SCADA software.	1 Unit	HP/Dell	HP/Dell		
15	SCADA/HMI software - Advance Version of xArrow runs on Latest Microsoft Windows with xArrow OEM licence Key including installation and setup.	1 unit	Xi'An Rui Arrow Software Ltd	Xi'An Rui Arrow Software Ltd		
16	PC SMART-UPS Output power capacity 5.4 KW/6.0 kVA, Output Voltage 230V, Topology:Double Conversion, Sine wave, Input voltage:160-285V, frequency 40-70Hz, with Surge Protection and Filtering.	1 Unit	SRC6KUXI	APC		
17	Replacement of UPS VRLA batteries Amron/Exide of same size and rating	1set	Amron / Exide	Amron /Exide		

Part B (ii) ::Labor Charges

Sl no	Details	Year	Price	Amount
1.	Comprehensive AMC Charges for all eight chambers including	1 st year		

	all charges except spare parts whose prices are quoted here with separately.	(0-12Months)		
2.	Comprehensive AMC Charges for all eight chambers including all charges except spare parts whose prices are quoted here with separately.	2 nd year (13 th to24 th month)		
3.	Comprehensive AMC Charges for all eight chambers including all charges except spare parts whose prices are quoted here with separately.	3 rd Year (25 th to36 th month)		

Total AMC Charges: Part B(i) + Part B(ii)= Rs _____
(Rs._____in Words)

Price bid

<p>Total Price (One Time Repair charges + AMC charges)</p>	
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