



BOQ OF AGRO BIOTEC LABORATORY SPLIT AC - SLIBTEC

BOQ NO - 1

ITEM	BOQ FOR SUPPLY AND INSTALLATION OF INVERTER TYPE SPLIT AC AT FIRST FLOOR DESCRIPTION	Bidder's response (Yes/No)	QTY	UNIT	Unit Price without VAT	Total Price without VAT	Remarks
	<p>NOTE: It is advisable to visit the site prior to submitting the proposal. Before commencing the project, the contractor should conduct a site inspection. Any damages to the property resulting from the project will be the contractor's responsibility and risk. Wastage is not accounted for in the measurements. The client will not be responsible for any additional work beyond the scope defined. Contractor must adhere to appropriate laws in Sri Lanka and international protocols/conventions to which Sri Lanka is a party and Environmental Health and Safety (ESH) policies of SLIBTEC. And all contractor should adhere to SLIBTEC rules and regulations. For more information, please refer to the attached drawing & Technical data attached</p> <p>FIRST FLOOR - AGROBIOTEC</p> <p>1 Supply of (Cool) Split inverter type Air Conditioning Units with wall/ soffit mounted Bracket decorative Type Indoor Unit & outdoor unit. (Note: Air Conditioner Unit brand name, model number must be mentioned and Technical Brochure must be attached with the tender while quoting otherwise tenderer will not be qualified.) (capacity determination of the Air Conditioning Units should be mention)</p> <p>A-1-1 Groth Chamber :- Room volume - 110 cubic meters (BTU value 18,000)</p> <p>A-1-2 Tissue Culture :- Room volume - 110 cubic meters (BTU value 18,000)</p> <p>2 Supply of copper piping (suction & return), Insulation, wiring/cable, supports/clamps and all necessary accessories to ready condition. (Measure and pay)</p> <p>3 Supply Drain Piping supports/clamps and all necessary accessories to ready condition. (Measure and pay)</p> <p>4 Supply necessary bracket for outdoor & Indoor unit with rowel bolt all necessary accessories</p> <p>5 Installation of AC,s indoor/outdoor lifting, placing and fixing up and all necessary accessories and all necessary works to ready condition in all respect.</p>						

Technical condition should meet in side the room

Environmental Considerations

Element	Specification
Temperature	Operating Conditions: 16 °C to 25°C (66°F to 77°F).
Humidity	Operating Conditions: 30–75% relative humidity (non-condensing).



BOQ OF AGROBITEC LABORATORY GLASS PARTITON - SLIBTEC

BOQ NO - 2

ITEM	GLASS PARTITONS OF FIRST FLOOR DESCRIPTION	Bidder's response (Yes/No)	QTY	UNIT	Unit Price without VAT	Total Price without VAT	Remarks
<p>NOTE:</p> <p>It is advisable to visit the site prior to submitting the proposal. Before commencing the project, the contractor should conduct a site inspection. Any damages to the property resulting from the project will be the contractor's responsibility and risk. Wastage is not counted for in the measurements. The client will not be responsible for any additional work beyond the scope defined. Contractor must adhere to appropriate laws in Sri Lanka and international protocols/conventions to which Sri Lanka is a party and Environmental Health and Safety (ESH) policies of SLIBTEC . And all contractor should adhere to SLIBTEC rules and regulations. For more information, please refer to the attached drawing & Technical data attached</p> <p>A - Partitioning</p>	<p>FIRST FLOOR - AGROBITEC LABORATORY</p> <p>A-1 To supply and install a white powder-coated aluminum shop front partition with a 75mm section (4' + 4' + 2' - H) and 6 mm thickness clear glass with safety film and sandblast film including all necessary arrangements.(partition Should be 100% Seal) (sand blast should be install to bottom part of the partition and safety film should be install to top two part of the partition and doors) (Measure and pay)</p> <p>A-2 To supply and install a white powder-coated aluminum shop front moveable partition with a 75mm section (6' - H) and 6 mm thickness clear glass with safety film and sandblast film including all necessary arrangements. (sand blast should be install to bottom part of the partition and safety film should be install to top two part of the partition and doors) (Measure and pay)</p> <p>A-3 To supply and install double swing door (The doors should be similar to our existing doors, with special attention to the second half of the door design) with white powder-coated aluminum shop front section , clear glass, including a door closer, handle, lock, and all necessary fittings and arrangements (Door Should be 100% Seal) (two doors should be work with interlock) Size - 1260mm L x 2400mm H <i>Laboratory doors Required Specification</i> - Should be double doors - Should be self-closing - Should be lockable - Locks should have a "latch" to keep the lock retracted so the door could be opened/closed by pushing using the arm without having to use the door handle/lever. - Size of the doors need to be adjusted with one small door used for entry/exit and the larger one to be kept closed - All doors should have four handles (One for use with gloves and the other without gloves) - large one and small one - Doors to the anteroom should open to the inside.</p> <p>A-4 To supply and install double swing door (The doors should be similar to our existing doors, with special attention to the second half of the door design) with white powder-coated aluminum shop front section , clear glass, including a door closer, handle, lock, and all necessary fittings and arrangements (Door Should be 100% Seal) (two doors should be work with interlock) Size - 1600mm L x 2400mm H <i>Laboratory doors Required Specification</i> - Should be double doors - Should be self-closing - Should be lockable - Locks should have a "latch" to keep the lock retracted so the door could be opened/closed by pushing using the arm without having to use the door handle/lever. - Size of the doors need to be adjusted with one small door used for entry/exit and the larger one to be kept closed - All doors should have four handles (One for use with gloves and the other without gloves) - large one and small one - Doors to the anteroom should open to the inside.</p>		1,400	Sq.ft			
			100	Sq.ft			
			4	Item			
			2	Item			

B - Plumbing						
B-1	Supply and install chemical resistant lab SS Sink with elbow operating lab tap and eye washer including plumbing and all necessary arrangements. Sink Dimension (600mm (L) x 400mm (W) x 310mm (D)) Sinks should be deep and have lever taps (for hands free operations)	1	Item			
B-2	Supply and install eye washer including plumbing and all necessary arrangements.	3	Item			
B-3	Supply and install chemical resistant lab SS Sink with elbow operating lab tap and eye washer including plumbing and all necessary arrangements. To suitable for the anti room /clean room as per the requirements Sinks should be deep and have lever taps (for hands free operations) Sink Dimension (750mm (L) x 460mm (W) x 310mm (D))	5	Item			
B-3	If necessary rearrange existing Sink including all necessary arrangements.	2	Item			
C - Lab bench modification						
C-1	If necessary Cutting ,Removing and Rearrange Lab bench with modification & including all necessary arrangements (Measure and pay)	30	linear feet			
D - Sealing Window						
D-3	Sealing existing window to avoid air contamination with outside including all necessary arrangements.(window Should be 100% Seal)	1	Item			
E - Sealing Ceiling						
E-1	If necessary Seal the entire ceiling area by using 5mm double side mac foil (Sealing panel Size 4x4) including all necessary arrangements. (Ceiling Should be 100% Seal) should be support to laboratory pressure control (Measure and pay)	2300	Sq.ft			
F - Pass Box						
F-1	To supply and install a pass box with handles, lights locks and all necessary fittings and arrangements (Including glass cutting and replacing if necessary) (Pass box Should be 100% Seal) Size - 610mm W x 610mm H x 610mm D inner side	3	Item			



BOQ OF AGROBIOTEC LABORATORY WALL CUPBOARD - SLIBTEC

BOQ-3

ITEM	BOQ FOR SUPPLY AND INSTALLATION OF WALL CABINET AT FIRST FLOOR DESCRIPTION	Bidder's response (Yes/No)	QTY	UNIT	Unit Price without VAT	Total Price without VAT	Remarks
A A-1-1	<p>NOTE: It is advisable to visit the site prior to submitting the proposal. Before commencing the project, the contractor should conduct a site inspection. Any damages to the property resulting from the project will be the contractor's responsibility and risk. Wastage is not accounted for in the measurements. The client will not be responsible for any additional work beyond the scope defined. Contractor must adhere to appropriate laws in Sri Lanka and international protocols/conventions to which Sri Lanka is a party and Environmental Health and Safety (ESH) policies of SLIBTEC . And all contactor should adhere to SLIBTEC rules and regulations. For more information, please refer to the attached drawing & Technical data attached</p> <p>FIRST FLOOR - AGROBIOTEC To supply and install a aluminum/ cladding (or any other material) with glass , laboratory wall cupboard including all necessary arrangements.(cupboard color will be inform base on the requirement) - Please refer the images (Shelves should be adjustable and door size should be standard with lock) and should include adjustable glass shelf below the wall cupboard . design will be discuss at the Prebid meeting (Measure and pay)</p>		120.00	Linear Feet			





BOQ OF AGROBIOTEC LABORATORY LP GAS LINE SYSTEM - SLIBTEC

BOQ- 4

ITEM	BOQ FOR SUPPLY AND INSTALLATION OF LP GAS LINE SYSTEM AT FIRST FLOOR DESCRIPTION	Bidder's response (Yes/No)	QTY	UNIT	Unit Price without VAT	Total Price without VAT	Remarks
	<p>NOTE: It is advisable to visit the site prior to submitting the proposal. Before commencing the project, the contractor should conduct a site inspection. Any damages to the property resulting from the project will be the contractor's responsibility and risk. Wastage is not counted for in the measurements. The client will not be responsible for any additional work beyond the scope defined. Contractor must adhere to appropriate laws in Sri Lanka and international protocols/conventions to which Sri Lanka is a party and Environmental Health and Safety (ESH) policies of SLIBTEC . And all contractor should adhere to SLIBTEC rules and regulations. For more information, please refer to the attached drawing & Technical data attached</p> <p><i>Note:- The contractor should take care of the following task after finishing the works:</i></p> <p><i>1.Patching the Holes: Any holes or marks left behind from the after the installation should be patched. The contractor can use spackling paste or wall putty to fill the holes. Once the paste is dry, they can sand it down to create a smooth surface.</i></p> <p><i>3.Repainting: If the wall around the installation have noticeable color difference or needs to be refreshed, the contractor should repaint the affected area. They can match the paint to the surrounding wall to ensure a consistent appearance.</i></p> <p><i>4.Cleaning and Repairing: The contractor should clean the wall thoroughly, removing any dust, debris, or adhesive residue left behind by the after installation. Additionally, they should inspect the wall , ceiling for any damage caused during the removal process and make any necessary repairs, such as filling gaps or cracks</i></p> <p style="background-color: yellow;">The supplier is fully responsible for the functioning of the gas line as per the included Bill of Quantities (BOQ). If the supplier is unable to perform in accordance with the current BOQ, please provide suggestions for the work. Additionally, certification from a recognized institute is required for the completion, safety, working condition and etc. of the gas line.</p>						
A	FIRST FLOOR - AGROBITEC						
1	Pipe Installation for four laboratory gas line - Supply and install LP Gas pipe (GI) - Yellow color including all necessary arrangements. (Brackets , hangers , drilling , Ceiling removing , coloring and re-fixing wall etc.) (type and size of GI should be mention in quotation) (Measure and pay)		50.00	Linear Feet			

2	Supply and install LP gas Hose (4 feet) including all necessary arrangements.	2.00	Item		
4	Supply and install Pressure Regulator for LP gas including all necessary arrangements. (type of Pressure Regulator should be mention)	2.00	Item		
6	If Required Supply and install Flashback Arrestors including all necessary arrangements	1.00	Item		
7	If Required Supply and install Gas Filters including all necessary arrangements	1.00	Item		
8	If Required Supply and install Leak Detection System for gas lines including all necessary arrangements	1.00	Item		
9	If Required Supply and install Emergency Shut-off Valve for LP gas lines including all necessary arrangements	1.00	Item		
10	If there are any additional requirements from the supplier's side to ensure the smooth operation of the gas line, please include them				



BOQ OF AGROBIOTEC LABORATORY PRESSURE CONTROLLER - SLIBTEC BOQ-5

ITEM	Pressure controller Installation OF FIRST FLOOR DESCRIPTION	Bidder's response (Yes/No)	QTY	UNIT	Unit Price without VAT	Total Price without VAT	Remarks
	<p>NOTE:</p> <p>It is advisable to visit the site prior to submitting the proposal. Before commencing the project, the contractor should conduct a site inspection. Any damages to the property resulting from the project will be the contractor's responsibility and risk. Wastage is not counted for in the measurements. The client will not be responsible for any additional work beyond the scope defined. Contractor must adhere to appropriate laws in Sri Lanka and international protocols/conventions to which Sri Lanka is a party and Environmental Health and Safety (ESH) policies of SLIBTEC . And all contractor should adhere to SLIBTEC rules and regulations. For more information, please refer to the attached drawing & Technical data attached <i>Note:- The contractor should take care of the following task after finishing the works:</i></p> <p><i>1.Patching the Holes: Any holes or marks left behind from the after the installation should be patched. The contractor can use spackling paste or wall putty to fill the holes. Once the paste is dry, they can sand it down to create a smooth surface.</i></p> <p><i>3.Repainting: If the wall around the installation have noticeable color difference or needs to be refreshed, the contractor should repaint the affected area. They can match the paint to the surrounding wall to ensure a consistent appearance.</i></p> <p><i>4.Cleaning and Repairing: The contractor should clean the wall thoroughly, removing any dust, debris, or adhesive residue left behind by the after installation. Additionally, they should inspect the wall , ceiling for any damage caused during the removal process and make any necessary repairs, such as filling gaps or cracks</i></p>						
A	FIRST FLOOR - AGROBITEC						
1	<p>Growth Chambers Lab :- Supply and install air pressure controller Positive or negative (The pressure differential should be adjustable and range from 0.5 to 10 Pascals) inside the laboratory using pre insulated duct and Inline duct fans including all necessary arrangements. Pressure differential digital gauges with alarms (to monitor pressure differentials) should be install inside and out side of the laboratory (Payment will be made on a measurement and pay basis, according to the supplier's detailed breakdown quotation) - The system should automatically restart after power failures.</p>		1.00	Item			

2	<p>Molecular Lab :- Supply and install air pressure controller Positive or negative (The pressure differential should be adjustable and range from 0.5 to 10 Pascals) inside the laboratory using pre insulated duct and Inline duct fans including all necessary arrangements. Pressure differential digital gauges with alarms (to monitor pressure differentials) should be install inside and out side of the laboratory (Payment will be made on a measurement and pay basis, according to the supplier's detailed breakdown quotation) - The system should automatically restart after power failures.</p>	1.00	Item			
3	<p>If necessary Supply and install smart system to on/off above system (Payment will be made on a measurement and pay basis, according to the supplier's detailed breakdown quotation) -The system should automatically restart after power failures.</p>	1.00	Item			



BOQ OF AGROBIOTEC LABORATORY ELECTRICAL SYSTEM - SLIBTEC BOQ-7

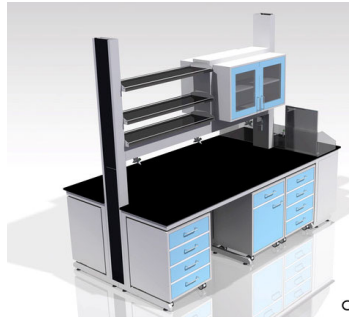
ITEM	Electrical System Relocation OF FIRST FLOOR DESCRIPTION	Bidder's response (Yes/No)	QTY	UNIT	Unit Price without VAT	Total Price without VAT	Remarks
	<p>NOTE:</p> <p>It is advisable to visit the site prior to submitting the proposal. Before commencing the project, the contractor should conduct a site inspection. Any damages to the property resulting from the project will be the contractor's responsibility and risk. Wastage is not counted for in the measurements. The client will not be responsible for any additional work beyond the scope defined. Contractor must adhere to appropriate laws in Sri Lanka and international protocols/conventions to which Sri Lanka is a party and Environmental Health and Safety (ESH) policies of SLIBTEC . And all contractor should adhere to SLIBTEC rules and regulations. For more information, please refer to the attached drawing & Technical data attached</p> <p><i>Note:- The contractor should take care of the following task after finishing the works:</i></p> <p><i>1.Patching the Holes: Any holes or marks left behind from the after the installation should be patched. The contractor can use spackling paste or wall putty to fill the holes. Once the paste is dry, they can sand it down to create a smooth surface.</i></p> <p><i>3.Repainting: If the wall around the installation have noticeable color difference or needs to be refreshed, the contractor should repaint the affected area. They can match the paint to the surrounding wall to ensure a consistent appearance.</i></p> <p><i>4.Cleaning and Repairing: The contractor should clean the wall thoroughly, removing any dust, debris, or adhesive residue left behind by the after installation. Additionally, they should inspect the wall , ceiling for any damage caused during the removal process and make any necessary repairs, such as filling gaps or cracks</i></p>						
A	FIRST FLOOR - AGROBIOTEC						
1	Supply and install, or rearrange existing LED light panels and switches , AC remort and AC louvers as per the drawing. Payment will be made on a measurement and pay basis, according to the supplier's detailed breakdown quotation.		1.00	Job			



**BOQ OF AGROBIOTEC LABORATORY LAB FURNITURE
- SLIBTEC**

BOQ-08

ITEM	BOQ FOR SUPPLY AND INSTALLATION OF WALL CABINET AT FIRST FLOOR DESCRIPTION	Bidder's response (Yes/No)	QTY	UNIT	Unit Price without VAT	Total Price without VAT	Remarks
A	<p>NOTE: It is advisable to visit the site prior to submitting the proposal. Before commencing the project, the contractor should conduct a site inspection. Any damages to the property resulting from the project will be the contractor's responsibility and risk. Wastage is not accounted for in the measurements. The client will not be responsible for any additional work beyond the scope defined. Contractor must adhere to appropriate laws in Sri Lanka and international protocols/conventions to which Sri Lanka is a party and Environmental Health and Safety (ESH) policies of SLIBTEC . And all contactor should adhere to SLIBTEC rules and regulations. For more information, please refer to the attached drawing & Technical data attached</p> <p>FIRST FLOOR - AGROBIOTEC</p> <p>1 To supply and install standard movable lab bench . design and materials will be discuss at the Prebid meeting (Measure and pay)</p> <p>2 To supply and install standard fixed lab bench . design and materials will be discuss at the Prebid meeting (Measure and pay)</p> <p>3 To supply and install standard movable tissue culture racks including adjustable 5 shelf with lights (1800 (H) x 1300 mm (W)) . design and materials will be discuss at the Prebid meeting (Measure and pay)</p>						





BOQ OF TISSUE CULTURE LABORATORY SPLIT AC - SLIBTEC

BOQ NO - 1

ITEM	BOQ FOR SUPPLY AND INSTALLATION OF INVERTER TYPE SPLIT AC AT FIRST FLOOR DESCRIPTION	Bidder's Response (Yes/No)	QTY	UNIT	Unit Price Without VAT	Total Price Without VAT	Remarks
	<p>NOTE: It is advisable to visit the site prior to submitting the proposal. Before commencing the project, the contractor should conduct a site inspection. Any damages to the property resulting from the project will be the contractor's responsibility and risk. Wastage is not accounted for in the measurements. The client will not be responsible for any additional work beyond the scope defined. Contractor must adhere to appropriate laws in Sri Lanka and international protocols/conventions to which Sri Lanka is a party and Environmental Health and Safety (ESH) policies of SLIBTEC. And all contractor should adhere to SLIBTEC rules and regulations. For more information, please refer to the attached drawing & Technical data attached</p> <p>FIRST FLOOR - TISSUE CULTURE</p> <p>1 Supply of (Cool) Split inverter type Air Conditioning Units with wall/ soffit mounted Bracket decorative Type Indoor Unit & outdoor unit. (Note: Air Conditioner Unit brand name, model number must be mentioned and Technical Brochure must be attached with the tender while quoting otherwise tenderer will not be qualified.) (capacity determination of the Air Conditioning Units should be mention)</p> <p>A-1-1 Lab A :- Room volume - 125 cubic meters (BTU value 18,000)</p> <p>A-1-2 Lab B :- Room volume - 125 cubic meters (BTU value 18,000)</p> <p>2 Supply of copper piping (suction & return), Insulation, wiring/cable, supports/clamps and all necessary accessories to ready condition. (Measure and pay)</p> <p>3 Supply Drain Piping supports/clamps and all necessary accessories to ready condition. (Measure and pay)</p> <p>4 Supply necessaries bracket for Outdoor & Indoor units with rowel bolt all necessary accessories</p> <p>5 Installation of AC,s indoor/outdoor lifting, placing and fixing up and all necessary accessories and all necessary works to ready condition in all respect.</p>						
			1.00	Unit			
			1.00	Unit			
			8.00	m			
			8.00	m			
			2	Unit			
			2	Job			

Technical condition should meet in side the room

Environmental Considerations


Element	Specification
Temperature	Operating Conditions: 16 °C to 25°C (66°F to 77°F).
Humidity	Operating Conditions: 30–75% relative humidity (non-condensing).



BOQ OF TISSUE CULTURE LABORATORY GLASS PARTITON - SLIBTEC

BOQ NO - 2

ITEM	GLASS PARTITONS OF FIRST FLOOR	Bidder's Response (Yes/No)	QTY	UNIT	Unit Price Without VAT	Total Price Without VAT	Remarks
	DESCRIPTION						
	<p>NOTE:</p> <p>It is advisable to visit the site prior to submitting the proposal. Before commencing the project, the contractor should conduct a site inspection. Any damages to the property resulting from the project will be the contractor's responsibility and risk. Wastage is not counted for in the measurements. The client will not be responsible for any additional work beyond the scope defined. Contractor must adhere to appropriate laws in Sri Lanka and international protocols/conventions to which Sri Lanka is a party and Environmental Health and Safety (ESH) policies of SLIBTEC . And all contractor should adhere to SLIBTEC rules and regulations. For more information, please refer to the attached drawing & Technical data attached</p>						
A - Partitioning	FIRST FLOOR - TISSUE CULTURE LABORATORY						
A-1	To supply and install a white powder-coated aluminum shop front partition with a 75mm section (4' + 4' + 2' - H) and 6 mm thickness clear glass with safety film and sandblast film including all necessary arrangements. (partition Should be 100% Seal) (sand blast should be install to bottom part of the partition and safety film should be install to top two part of the partition and doors) (Measure and pay)		700	Sq.ft			
A-3	To supply and install double swing door (The doors should be similar to our existing doors, with special attention to the second half of the door design) with white powder-coated aluminum shop front section , clear glass, including a door closer, handle, lock, and all necessary fittings and arrangements (Door Should be 100% Seal) (two doors should be work with interlock) Size - 1260mm L x 2400mm H <i>Laboratory doors Required Specification</i> - Should be double doors - Should be self-closing - Should be lockable - Locks should have a "latch" to keep the lock retracted so the door could be opened/closed by pushing using the arm without having to use the door handle/lever. - Size of the doors need to be adjusted with one small door used for entry/exit and the larger one to be kept closed - All doors should have four handles (One for use with gloves and the other without gloves) - large one and small one - Doors to the anteroom should open to the inside.		2	Item			
B - Plumbing							
B-1	Supply and install chemical resistant lab SS Sink with elbow operating lab tap and eye washer including plumbing and all necessary arrangements. (including sink bench and bench top re-arranging , bench will provided by SLIBTEC) Sink Dimension (750mm (L) x 460mm (W) x 310mm (D)) Sinks should be deep and have lever taps (for hands free operations)		1	Item			
D - Sealing Window							
D-3	Sealing existing window to avoid air contamination with outside including all necessary arrangements. (window Should be 100% Seal)		1	Item			
E - Sealing Ceiling							

	E-1 If necessary Seal the entire ceiling area by using 5mm double side mac foil (Sealing panel Size 4x4) or similar including all necessary arrangements. (Ceiling Should be 100% Seal) should be support to laboratory pressure control (Measure and pay)		650	Sq.ft			
F - Carpet Removing	F-1 Removing existing floor carpet & Floor preparation for the flooring (measure and pay basis) with all necessary arrangements		650	Sq.ft			
	F-2 fixing SS / suitable edging beading to the existing carpet with all accessories and necessary arrangements (measure and pay basis) including all necessary		50	Linear feet			
							
	F-3 Sup (m) ater / weather /Chemical Proof) Flooring for the proposed area essary		650	Sq.ft			
E - Electrical Arrangements	E-1 Re an including all necessary		1	Item			