Ministry of Agriculture, Irrigation & Livestock (MAIL)  
On-Farm Water Management Project (OFWMP)  

To,

Dear Sirs,

Sub: Invitation for Quotations for Supply & Installation of Quality Control Lab Furniture/Equipments for Herat Regional Office.

1.0 The Ministry of Agriculture, Irrigation & Livestock (MAIL) Islamic Republic of Afghanistan has received a grant from the ARTF towards On-Farm Water Management Project (OFWMP) (Project ID No. P120398). The MAIL intends to apply part of the proceeds of this grant to eligible payments under the contract for the supplying the items listed in Annex. “A” ("Quotation Form") for which you are invited to submit your most competitive price quotation.

Important Notes

i. Delivery is to be given at the OFWMP Regional Office, Directorate of Agriculture Irrigation and Livestock (DAIL) Herat Province.
ii. The delivery is required within 60 days and the delivery period will count from date of the delivery of signed purchase order to the firm (by email or th’ messenger)
iii. Partial deliveries are accepted, but the delivery of the entire quantity must be completed within the specified delivery period mentioned above.
iv. Bidders quoting longer delivery period by more than maximum mentioned time in above table will be treated as non-responsive.
vi. For better understanding of the items and quality check at the time of supply the bidders shall submit the pictures/drawings/complete specifications along with the name & country of the manufacturer for each item offered by them.

2.0 Price to be quoted in the Quotation- The bidder’s price/rate shall include all duties, taxes and transportation up to the delivery place as mentioned above and should be in Afghans only.

3.0 Validity of Quotation - Quotation shall remain valid for a period not less than 60 days after the deadline date specified for submission.

4.0 The Quotations would be evaluated separately for each lot. The Purchaser shall award multiple contracts to the Bidders that offer the lowest evaluated combination of bids by taking into account:
   (i) the lowest-evaluated bid for each lot.
   (ii) the price reduction, if any, and the methodology for its application as offered by the Bidder in its bid.

5.0 Terms and Conditions of Supply - Main terms and Conditions of supply are given on the reverse of the attached Quotation form given at Annex. “A”.

6.0 The quotation is to be submitted in the quotation Form (Price/Delivery Schedule given at Annex. “A”).

7.0 The interested bidders are requested to submit their quotation latest by 10:00 Hours on 17-May-2017 along with photocopy of their registration certificate at the address given below. Quotations received after this date and time will not be considered.
Annex. “A”

FORMAT OF QUOTATION

For Project Manager,
Through OFWMP Regional Office at Herat,
OFWMP Regional Office, Directorate of Agriculture Irrigation and Livestock (DAIL) Herat Province
Ph#: 0799 25 25 43, 0798 233 798

We agree to supply following good as per the description/specification, quantity and rate mentioned in the following table:

<table>
<thead>
<tr>
<th>Lot No</th>
<th>Item #</th>
<th>Description /of Goods</th>
<th>Specifications</th>
<th>Qty</th>
<th>Unit</th>
<th>Quoted Unit Rate* (in Afs)</th>
<th>Total Amount* (in Afs) In Figures</th>
<th>Total Amount (in Afs) In Words</th>
<th>Delivery Period @</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>LAB Fume Cupboard</td>
<td>Annex “A-1”</td>
<td>1</td>
<td>Unit</td>
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<td>2</td>
<td>1</td>
<td>Wall Cabinet (Shelf) - Type.A</td>
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<td>2</td>
<td>Wall Cabinet (Shelf) - Type.B</td>
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<td>3</td>
<td>LAB Bench - Type.A (With out sink)</td>
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<td>4</td>
<td>LAB Bench - Type.B (With Sink)</td>
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<td>5</td>
<td>Under Bench Cabinets Type-A</td>
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<td>6</td>
<td>Under Bench Cabinets Type-B</td>
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<td>Lab Table</td>
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<td>8</td>
<td>Trolley</td>
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<td>9</td>
<td>Lab stool chair</td>
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<td>10</td>
<td>Pegboard</td>
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<td>11</td>
<td>Electrical Fittings</td>
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<td>12</td>
<td>Mechanical Gas fittings</td>
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<td>Unit</td>
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<td>13</td>
<td>Water Fittings</td>
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<td>1</td>
<td>Unit</td>
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<td>14</td>
<td>Storage Cabinates Type A</td>
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<td>1</td>
<td>Unit</td>
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<td><strong>Total Amount for Lot 2</strong></td>
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<td><strong>Total for Lot 1 &amp; Lot 2</strong></td>
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</tbody>
</table>

*including all duties, local taxes and transportation up to the delivery place (OFWMP Regional Office, Directorate of Agriculture Irrigation and Livestock (DAIL) Herat Province) @  If not mentioned, it may be assumed Ex. Stock (i.e. 60 days)
Note- 1. All the items will be new and of standard make and quality of make/model. The technical literature/leaflet is attached. The Technical Response sheet (with remarks about Comply/Do not comply) is attached.

2. The terms and conditions printed over leaf are acceptable to us.

This quotation will be valid for 60 days from the deadline date for the submission of the quotation.

We agree that we will automatically be suspended from being eligible for bidding in any contract with the Employer for the period of Two (2) years starting on the deadline date for the quotation submission, if we are in breach of our obligation(s) under the bid conditions, because we (a) Withdraw our Bid during the period of bid validity specified in the Form of Bid; or (b) Having been notified of the acceptance of our Bid by the Employer during the period of bid validity, fail or refuse to execute the Contract, if required.

Name and Signature of Authorised signatory

Name and complete address of Firm

Cell phone #: ______________________
E-mail: __________________________

Date:
Terms and Conditions
For Supply of Goods

1. **Price Adjustment**: The prices indicated in the Purchase Order are firm and fixed and are not subjected to any adjustment during the contract duration.

2. **Country of Origin**: The supplier will be required to furnish at the time of delivery a Certificate of Origin for each item evidencing the origin of the items. N/A

3. **Delivery Schedule**: The time is the essence of the contract and therefore the delivery of Services should be completed as per the schedule given in the Purchase Order. The delivery period will count from date of the delivery of signed purchase order to the firm. (By email or th’ messenger)

4. **Payment Terms**: 100% payment shall be made immediately after delivery, set up/demonstration/ testing/ installation (whichever applicable) and acceptance of the goods/Services. A Business Receipt Tax (2% or 7%) as applicable to the suppliers as per the rules of Govt. of Afghanistan shall be deductible at source while making payment.

5. **Warranty**: The Supplier warrants that all the Goods/Services are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials. N/A

   The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination. The warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination*. N/A

6. **Packaging and Marking Instructions**: The Supplier shall provide such packing of the Goods as is required to prevent their damage during transit to their final destination. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt, and precipitation during transit and open storage.

7. **Failure to Perform**: The Purchaser may cancel the Purchase Order if the Supplier fails to deliver the Goods, in accordance with the above terms and conditions, in spite of a 21 day notice given by the Purchaser, without incurring any liability to the Supplier. If the Supplier fails to perform, the Supplier will be blacklisted and not eligible to participate in any Government procurement tenders/bids for a period of two years#.

8. **Delivery Documents** – Following Delivery and other Documents are to be furnished by the Supplier along with the supply:
   
   (i) Two originals and two copies of the Supplier’s invoice, showing Purchaser, the Contract number, loan number; Goods’ description including Serial no. of the equipment/item wherever applicable, quantity, unit price, and total amount. Invoices must be signed in original and stamped or sealed with the company stamp/seal;
   
   (ii) Two copies of delivery note, road consignment note, truck waybill, or multimodal transport document showing Purchaser as Ministry of Agriculture, Irrigation & Livestock, Islamic Republic of Afghanistan, Kabul and delivery through to final destination as stated in the Contract;
   
   (iii) Two copies of the Packing list identifying contents of each Package;
   
   (iv) One original of the manufacturer’s or Supplier’s Warranty Certificate covering all items supplied;
   
   (v) One original of the Country’s Certificate of Origin covering all items supplied.

9. **Inspection and Test**: The following inspection and tests shall be performed on receipt of goods:
   
   (i) Visual inspection
   
   (ii) Inspection for any physical damage
   
   (iii) Operation test.
   
   (iv) Checked by our Technical Team to ensure that the goods/Services conform to the description and specification given in purchase order (v) Any other test to ensure that the goods supplied are as per technical specification

*The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall afford all reasonable opportunity to the Supplier to inspect such defects. Upon receipt of such notice, the Supplier shall, within a maximum period of 15 days expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser. If having been notified, the Supplier fails to remedy the defect within the period specified above, the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier’s risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

# Liquidated damages: If the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Purchaser may without prejudice to all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to 0.5% per week of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of 10% of the contract value. Once the maximum is reached, the Purchaser may terminate the Contract pursuant to terms and condition of the contract.
<table>
<thead>
<tr>
<th>LOT No</th>
<th>Item #</th>
<th>Description of good</th>
<th>Specifications</th>
<th>Quantity</th>
<th>Unit</th>
<th>Bidder’s Remarks (Comply/Do not comply)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>LAB Fume Cupboard</td>
<td>Supply/manufacture and installation of LAB fume cupboard with size of (150 x 90 x 270)cm best quality including necessary hardware and fittings as per attached technical specification and drawing.</td>
<td>1</td>
<td>Unit</td>
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<tr>
<td>2</td>
<td>1</td>
<td>Wall Cabinet (Shelf) - Type.A</td>
<td>Supply/manufacture and installation of wall cabinet (Shelf)-type.A with size of (120 x 40 x 60)cm best quality including all necessary hardware and fittings as per attached technical specification and drawing.</td>
<td>4</td>
<td>each</td>
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<td></td>
<td>2</td>
<td>Wall Cabinet (Shelf) - Type.B</td>
<td>Supply/manufacture and installation of wall cabinet (Shelf)-type.B with size of (120 x 40 x 60)cm best quality including all necessary hardware and fittings as per attached technical specification and drawing.</td>
<td>4</td>
<td>each</td>
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<tr>
<td>3</td>
<td>1</td>
<td>LAB Bench - Type.A (Without sink)</td>
<td>Supply/manufacture and installation of Lab bench with H.frame system type.A without sink with size of (250 x 75 x 90)cm best quality as per attached technical specification and drawing including necessary hardware and fittings.</td>
<td>3</td>
<td>each</td>
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<td>4</td>
<td>1</td>
<td>LAB Bench - Type.B (With Sink)</td>
<td>Supply/manufacture and installation of Lab bench with H.frame system type.B with size of (325 x 75 x 90)cm best quality including Lab sink as per attached technical specification and drawing including necessary hardware and fittings.</td>
<td>1</td>
<td>each</td>
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<td>5</td>
<td>1</td>
<td>Under Bench Cabinets Type-A</td>
<td>Supply/manufacture and installation of under bench cabinet (Shelves)-type.A with size of (65 x 65 x 85)cm best quality as per attached technical specification and drawing.</td>
<td>1</td>
<td>each</td>
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<tr>
<td>6</td>
<td>1</td>
<td>Under Bench Cabinets Type-B (Drawers cabinet)</td>
<td>Supply/manufacture and installation of under bench cabinet (Drawers cabinet)-type.B with size of (65 x 65 x 85)cm best quality as per attached technical specification and drawing.</td>
<td>1</td>
<td>each</td>
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<td>B</td>
<td>quality as per attached technical specification and drawing.</td>
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<td>7</td>
<td>Lab Table</td>
<td>Supply/manufacture and installation of Lab table with size (120 x 65 x 90)cm best quality including all necessary hardware and fittings as per attached technical specification and drawing.</td>
<td>3</td>
<td>each</td>
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<td>8</td>
<td>Trolley</td>
<td>Supply and provide light weight heavy duty lab trolley with size of (90x50 x150)cm best quality as per attached drawing and technical specification. Pre-supply approval of OFWMP supervisor for product will be required.</td>
<td>1</td>
<td>Unit</td>
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<tr>
<td>9</td>
<td>Lab stool chair</td>
<td>Supply and provide high quality stool chair with sizes of (80cm height) best quality as per attached darwing and technical specification. Pre-supply approval of OFWMP supervisor for product will be required.</td>
<td>1</td>
<td>each</td>
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<td>10</td>
<td>Pegboard</td>
<td>Supply and installation of pegboard (70x50)cm best quality as per attached technical specification and drawings.</td>
<td>4</td>
<td>each</td>
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<tr>
<td>11</td>
<td>Electrical Fittings</td>
<td>Supply and installation of electrical water proof sockets (3), switches (3), lights (4) and required cable 2x2.5mm (35)m long to connect with inside Lab room's joint box with best quality as per attached technical specification and drawings. All electrical works should be tested when completed.</td>
<td>1</td>
<td>each</td>
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<tr>
<td>12</td>
<td>Mechanical Gas fittings</td>
<td>Provide and installation of gas fittings with providing of 10kg gas ballon (1), installation of gas valve controller (1), stove (1), pipe (20m) including all fittings and connection with best quality as per drawings and technical specification. All mechanical works should be tested when completed.</td>
<td>1</td>
<td>Unit</td>
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<td>13</td>
<td>Water Fittings</td>
<td>Supply and installation of sanitary works with site required piping (&gt;30m) and fittings with best quality for both water supply and sewerage (wast water) including small water pump to the laboratory from main source per drawings, technical specification and site requirments with satisfaction of OFWMP supervisor.</td>
<td>1</td>
<td>Unit</td>
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<td>14</td>
<td>Storage</td>
<td>Supply/manufacture and installation of Lab. storage cabinate</td>
<td>1</td>
<td>Unit</td>
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</table>
Cabinates Type A with size of (120 x 60 x 200)cm best quality including all necessary hardware and fittings as per attached technical specification and drawing.

Signatures of the bidder

Annex A-2 Technical Specification & Typical Design for Lab

Note: As the specifications do not include some aspects of the items, the bidders shall submit the pictures/drawings/complete specifications along with the name & country of the manufacturer for each item offered by them.
Annex (A-2)

Technical Specification & Typical Design for Lab is attached below.
Technical Specification for ofwmp Laboratory Furniture:

O FWMP is looking for solution of wide variety laboratory needs, and request for laboratory furniture important requirements, including *universally standard Cabinets Systems with high quality accessories, best quality fixtures and fittings, Pegboards, Trolleys, Balance Tables, Phenolic Resin worktops, Epoxy Resin worktops, Local Extractors, Safety Storage Cabinets, Laminar Airflows and Fume Cupboards.*

Products Required:

- Under bench cabinet

- Wall cabinets

- Storage cabinet

- Lab Table
- Trolley

- Fitting and outlets (Electrical and Mechanical)

- Lab Fume Cupboard

- Stool chair

This request is based on OFWMP needs and design a lab furniture to create a working environment that is as durable and functional as it is good looking.
Laboratory Furniture Details:

OFWMP is looking for qualified contractors to provide laboratory furniture with attached designs and specification (Same or Similar quality and design).

a. **H-Frame System**

The suspended bench system is supported on heavy-duty steel frames fully carrying the worktops. Under-bench cabinets are suspended on the frames and can be relocated with simple hand tools. Frames are constructed from 30*30*1.5 mm rectangular steel section. Legs are supplied with adjustment feet ±15 mm to correct eventual unevenness of the floor. All frame-work are pre-treatment epoxy powder coated.

2. **Laboratory Worktops:**

*Chemical Resistance Worktops*
Made of 16mm thick laboratory grade Compact Laminate Boards (Max Resistance). The panels consist namely of approved raw materials, compressed under high pressure emerges such a unique, homogenous panel without joints. Fully enclosed and therefore resistant against the penetration of moisture. The surface, protected with a dual cured urethane acrylic coating has proven itself to be unaffected by solvents and chemicals in extreme working conditions of the laboratory. MAX Resistance shows excellent resistance against acids, alkaline solutions, coloring and corrosive saline solutions, ketones, alcohols, esters, aromats, chlorinated and aliphatic hydrocarbons, oxidizing and bleaching substances. These panels are ideal for all types of laboratories, in the hygienic sector, for research centers, hospitals or doctor's surgery, photo laboratories and everywhere, where absolute cleanliness of a high resistant surface is demanded.

**Acrylic Worktops**

Made of 13mm thick –30mm front- countertop material (HI-Macs-LG-). This material is Acrylic Solid Surface Tops. The feature of HI-MACS is shown to be an advanced non-porous so bacteria, viruses or molds cannot penetrate the surface which makes it approved for used in health care facilities.

It's durable, stain-resistant, easy to clean and maintain, thermo formable, and hygienic. HI-MACS is the elegant solid surfacing material, resists most chemical exposure, high **UV resistance** and color fastness, water- dirt and moisture resistant.

**Epoxy Resin Worktops**

Made of 19mm thick laboratory Epoxy Resin. These tops are monolithic and molded from a modified epoxy resin with smooth, non-glare finish. All exposed edges are finished with 3mm bevel.
Cabinets:

1. **Doors and Drawer Fronts**
   Made of 18mm Plywood, Chipboard or 13 mm Compact Laminate covered with 0.9mm High Pressure Laminate (HPL) on both sides with 3 mm PVC edging strips.

2. **Drawers Bottom**
   Made of 12mm Plywood covered with 0.7mm HPL on both sides.

3. **Back of Drawers**
   Made of 18mm Plywood covered with 0.7mm HPL on both sides.

4. **Carcass**
   Made of 18mm Plywood, MDF, Chipboard or 13 mm Compact Laminate covered with 0.7mm (HPL) on both sides with 0.8mm PVC edging strips.

5. **Back of Cabinets**
   Back of under-bench cabinets and over-bench cabinets made of 3 mm thick white MDF set into grooves. Back of sink cabinets made of 18mm Plywood covered with 0.7mm HPL on both sides, edged with 0.8 mm PVC edging strip.

6. **Shelves**
   Shelves are made of 18mm Plywood, MDF, Chipboard or 13 mm Compact Laminate covered with 0.7mm HPL on both sides, edged with 0.8mm PVC edging strips. Each shelf is mounted on four shelf supports. Shelves are adjustable for regular heights of 32 mm.

7. **Fillers**
   Fillers are made of 12mm Plywood covered with 0.7mm mat finish HPL on both sides with 0.8mm PVC edging strips on all edges. Panels are removable without using tools.

**Hardware**

1. **Drawer Slides**
   Drawer sides are made of epoxy powder coated steel running on nylon runners. They are integrated drawer slide type that acts both as drawer slide and side panel. Self-closing feature with 60mm closing range and with height and side adjustment. Continuous load capacity: 25 - 30 kg.
2. **Hinges**

   Each door is mounted with Snap-On hinges with 110°, 120°, 165° opening angle. These hinges are heavy duty self-closing, Snap-On type, adjustable in all three sides.

3. **Adjustment Feet**

   C & H-Frame sides are supplied with adjustment feet to correct eventual unevenness of floor ± 15 mm. Adjustment feet made of black polyethylene plastic material with M10 galvanized steel thread.

4. **Handle**

   Under-bench and wall cabinets supplied with flush full length grab-rail made of epoxy powder coated anodized aluminum profile. Handles are set into groove on top of doors and drawer fronts.

5. **Wall Suspension Fittings**

   Wall cabinets are hanging using 2 suspension fittings of European origin. Fittings are adjustable in 3 dimensions with load capacity of 80kg.
Cabinet Connection Screws

These are of galvanized steel. Visible ends are supplied with plastic head caps that serve a durable and attractive coverage.

5. Electromechanical Fittings:

1. Water & Gas Taps

Water and gas taps are of Asian origin. Nozzles with the possibility of disassembly are in compliance with standard regulations. Threads in compliance with ISO228/1 regulation, B tolerance class. Taps are built following the DIN 12918 norm. Maximum working pressure 10 Bar.
2. **Sinks & Bottle Traps**

Laboratory benches must be supplied with, Laboratory grade epoxy sink

3. **Electrical Sockets**

Switching mechanical on switched sockets comply with best quality.

4. **Pegboards**

Pegboards are made of polypropylene material for easy of clean, structural rigidity, lighter weight and easy assembly. pegboard is supplied with draining hose, sloping drip tray that makes directing liquid easier and quicker and 56 pegs of length 700*500mm.
6. **Fume Cupboards:**

1. **Chemical Resistance Worktops**

   Made of 16mm thick laboratory grade Compact Laminate Boards (Max Resistance). These panels are composed of approved and tested raw materials. These materials are compressed under high pressure, emerge such a unique, homogeneous panels.

   These panels are ideal for all types of laboratories, for research centers, hospitals or doctor's surgery, photo laboratories, the foodstuffs industry and everywhere, where absolute cleanliness of a high resistant surface is demanded. These panels are resistant even to the most aggressive chemicals in extreme working conditions of the laboratory sector. Top is supplied with Polypropylene oval cup sink with polypropylene bottle trap.

2. **Chamber & Back Baffles**

   Made of solid Phenolic core panels which are high pressure solid composite panels specified designed for laboratory use and case work. These Panels provide resistance to moisture, chemical, corrosion, stains impact and stress cracking.

3. **Air Foil**

   Aerodynamic shape airfoil made of stainless steel fitted on the front edge of worktop.
4. **Glass Sash**

Made form 6mm toughened glass. Sliding sash is supported by a counterbalance on nylon covered steel wires, with ball bearing pulleys. Sash is supplied with full width handle.

5. **Mechanical Fittings**

Fittings are of Asian origin. Nozzles with the possibility of disassembly are in compliance with good quality as well as handle, manufactured in ABS; acid resistant material. Threads in compliance with ISO228/1 regulation, B tolerance class. Fume cupboard is to be supplied with the following fittings:

- Water outlet with front controlled valve and Gas outlet with front controlled valve.

6. **Light**

Light fitting is connected to a switch fitted on the front operating panel.

7. **Electrical Fittings**

Fume Hood is supplied with fan switch with light indicator, light switch and 13 AMP double electrical sockets. All fittings positioned on the front panel.

8. **Base Cabinet**

Have the same specifications as those for laboratory furniture cabinets.

9. **Framework**

H-frame, constructed from 30x30x1.5mm square steel section, epoxy powder coated. Framework supplied with adjustment feet ± 15 mm.

10. **Exhaust Fan**

![Exhaust Fan Diagram](image-url)
Fume cupboard is supplied with polypropylene Centrifugal Extractor Fan with IP 55 protection. Fan house is UV resistant, house and wheels are made of polypropylene. Fans are supplied with suitable motor base Fan capacity: 1500m³/h, speed: 1450 rpm, 0.37kw. Each fan is supplied with motor base. Duct is made of round PVC, d: 200mm, quantities of elbows and flexible duct to be determined as per site measurements.

11. **Airflow Monitor**

Fume cupboard is supplied with Air-flow monitor, which is a safety device used to measure face velocity of air entering the open sash area with audiovisual low air alarm.
Legends:

1. LAB STORAGE CABINET
2. WALL SHELF TYPE.B
3. WALL SHELF TYPE. A
4. BENCH WITH H- FRAME SYSTEM
5. BENCH WITH H- FRAME SYSTEM INCLUDING SINK
6. ELECTRICAL SOCKETS
7. GAS FITTING
8. EPOXY LAB SINK
9. WATER MIXER FOR SINK
10. UNDER BENCH CABINET-TYPE.A
11. UNDER BENCH CABINETWITH DRAWERS-TYPE.B
12. LABFUME CUPBOARD
13. WATR AND GAS CONTROLLER / Checks
14. DOBLELECTRICAL SOCKET
15. SINGLE LIGHT SWITCH FOR INSIDE FUME LIGHT