

Corrigendum- 2 Dated: 24-02-2020**In tender document****Tender Enquiry No. 47/01/Molecular lab/2019/RIS/ES-596**

As per schedule, Pre- Bid meeting of Construction of Molecular biology lab on Turnkey Basis at AIIMS Rishikesh" was held on 18-02-2020 at 03.00 PM, in the SE Office.

Various suggestions/addition/ deletions are incorporated as received from vendors which are as under

1. **On Page no. 8 and 9, Payment terms A and B shall be read as** , All payments shall be made through Running account bills and as per institute payment terms . Vendor shall submit RA bills. There will be no specific payment terms for Imported or Inland goods.
 - a) 70 % against Supply of Material through RA bills
 - b) 20% against Installation and commissioning through RA bills
 - c) 10 % against testing and handing over through RA bills
2. **On page 10, under Technical Bid section, Point no. 5 shall be read as** Have you previously established/constructed Molecular Biology Lab or Clean Rooms not less than 3 nos. in any government/ reputed private organization? If yes, attach the relevant poof. **Instead of** Have you previously established/constructed Molecular Biology Lab or Clean Rooms not less than 5 nos. in any government/ reputed private organization? If yes, attach the relevant poof.
3. **On page 10, under Technical Bid section , Point no. 9 a) shall be read as** Please attach balance sheet (duly certified by Chartered Accountant) for last three (3) years (Attach copy of annual average turnover which should not be less than 2 crores duly certified by the Chartered Accountant) **instead of** Please attach balance sheet (duly certified by Chartered Accountant) for last three (3) years (Attach copy of annual average turnover which should not be less than 5crores duly certified by the Chartered Accountant)
4. **On page 11, under Technical Bid section, Point no. 18 shall be read as** Please submit one performance certificate from your customers to whom you have established such type of Molecular Biology Lab or clean Room in previous 3 years same one project. **Instead of** Please submit one performance certificate from your customers to whom you have established such type of Molecular Biology Lab or clean Room in previous 3 years same one project as the value for the same needs to be higher than 1 Crores.
5. **Important note:-** The hard copies of documents uploaded by contractors should also be submitted in the office of Executive Engineer AIIMS Rishikesh before the last

date/due time of submission of tender. Those who fail to submit hard copies are treated as disqualified for the further process of tendering.

6. Documents attached as annexure in this corrigendum shall be considered while construction of Molecular lab. Parameter and technical specifications shall be included while designing the molecular lab. Sample drawings are attached for vendors to get brief idea for designing the lab. Layout of actual lab shall be approved by Engineer in charge and HOD. Requirement areas are shown in drawings but actual size and measurements may vary.
7. It is a Planning Design supply installation testing and commissioning type job hence contractor is advised to inspect the site carefully before quoting the rates. The contractor shall be deemed to have satisfied himself to the nature & extent of work at site & no claim for extra payment/or time extension will be allowed on the ground that he was not conversant with condition providing at the site. The rate shall be inclusive of all taxes, accessories, machining & labor, dismantling i.e. site clearance & shifting the debris from work place to specified place at site etc. The Spare list given above is tentative hence contractor may provide a comprehensive list which is supposed to be require to make full functional facility.

This corrigendum shall be signed by bidders and shall be attached along with bid documents in hard copy.

For PCR Room :

1) Granite top slabs (as mentioned in map)

- Reagent Preparation Room slab
(H x W x L: 0.80 m x 0.73m x 2.30m)
- DNA Extraction Room slab
(H x W x L: 0.80 m x 0.73m x 3.3m)
- RNA Extraction Room slab
(H x W x L: 0.80 m x 0.73m x 3.3m)
- PCR area slab
(H x W x L: 0.80 m x 0.73m x 4.2m)
- Real Time PCR area slab
(H x W x L: 0.80 m x 0.73m x 6.0m)

Note: Granite top slab should essentially be 4 inch to 4.5 inch thick.

2) Aluminium compartments (Full length separation view map).

- DNA Extraction Room
(L x W: 3.3 m x 2.4m)
- RNA Extraction Room
(L x W: 3.3 m x 2.4m)

3) Electrophoresis Room.

(L x W : 2m x 1.8m)

Note : All aluminium compartment and enclosure should essentially match with AIIMS Rishikesh existing infrastructure colour code.

4) Electricity points.

- Additional 4 points in nos. in each separation.

5) Air Outlet vents with HEPA filter (99.99 efficacy for 0.3 micron particle).

6) HEPA filters in air conditioning vents (99.99 efficacy for 0.3 micron particle).

7) Ultraviolet lights installation in reagent preparation room, DNA extraction room and RNA extraction room and electrophoresis room .

UV light specification :

- Type : UV - C type tube light.
- Wavelength should be of 254 nm.
- Germicidal mode of action.
- Power consumption: at least 80 Watt.
- Life span should be 8000 hours.

8) Water supply in reagent preparation room with sink/drainage.

9) Sink with drainage in reagent preparation room.

10) Installation of double door (as mentioned in map) with automated electromagnetic type door closure

11) Air curtains 3 in nos (position mentioned in attached map).

12) Temperature and pressure monitors in each separation as well as in reagent preparation room.

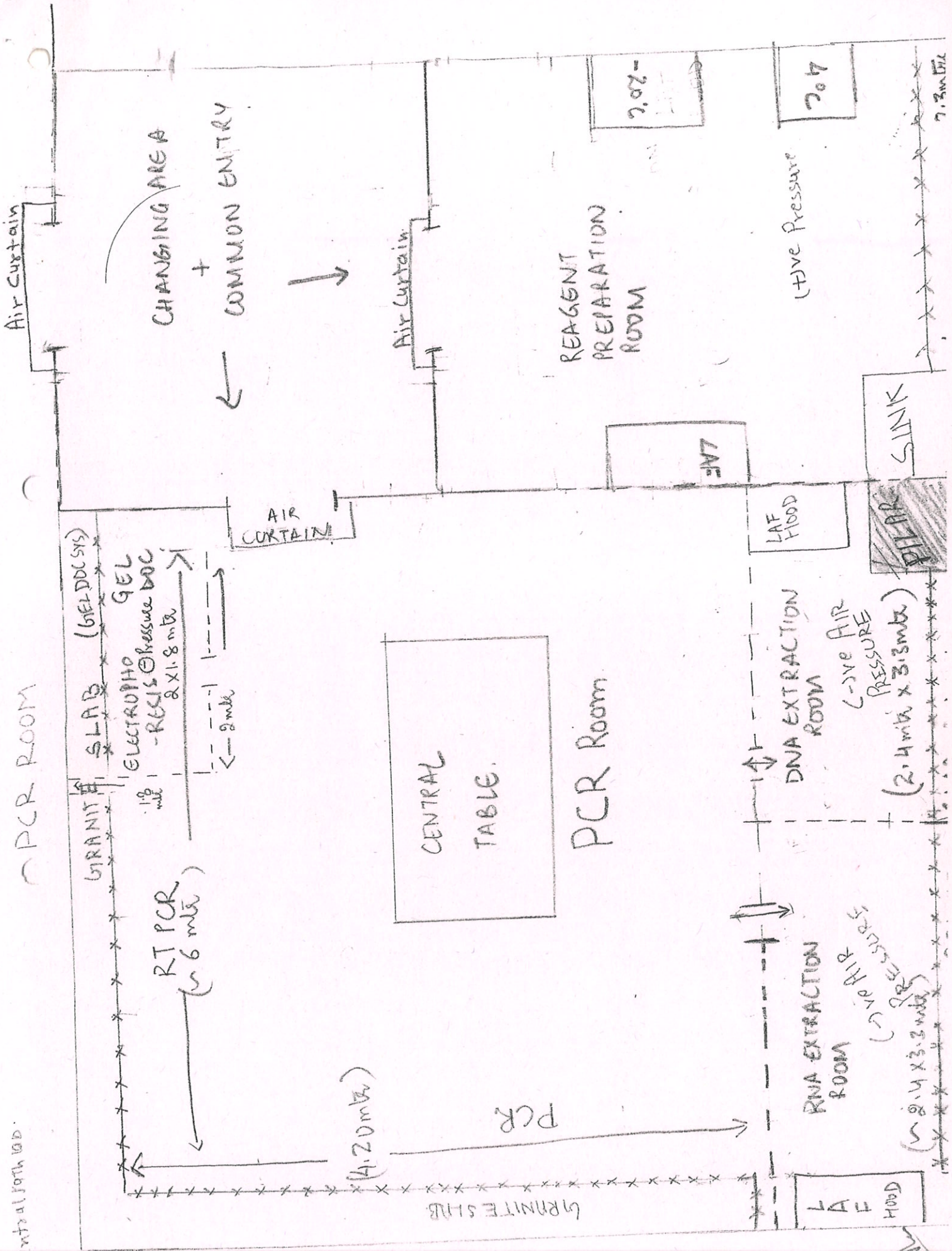
13) Corrosive resistant flooring in Reagent preparation room, DNA extraction room, RNA extraction room and electrophoresis room.

Shaline Rao

Dr. Shaline Rao
Head of Molecular Biology,
Proteomics & Metabolomics Laboratory
AIIMS, Rishikesh

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25/2/18

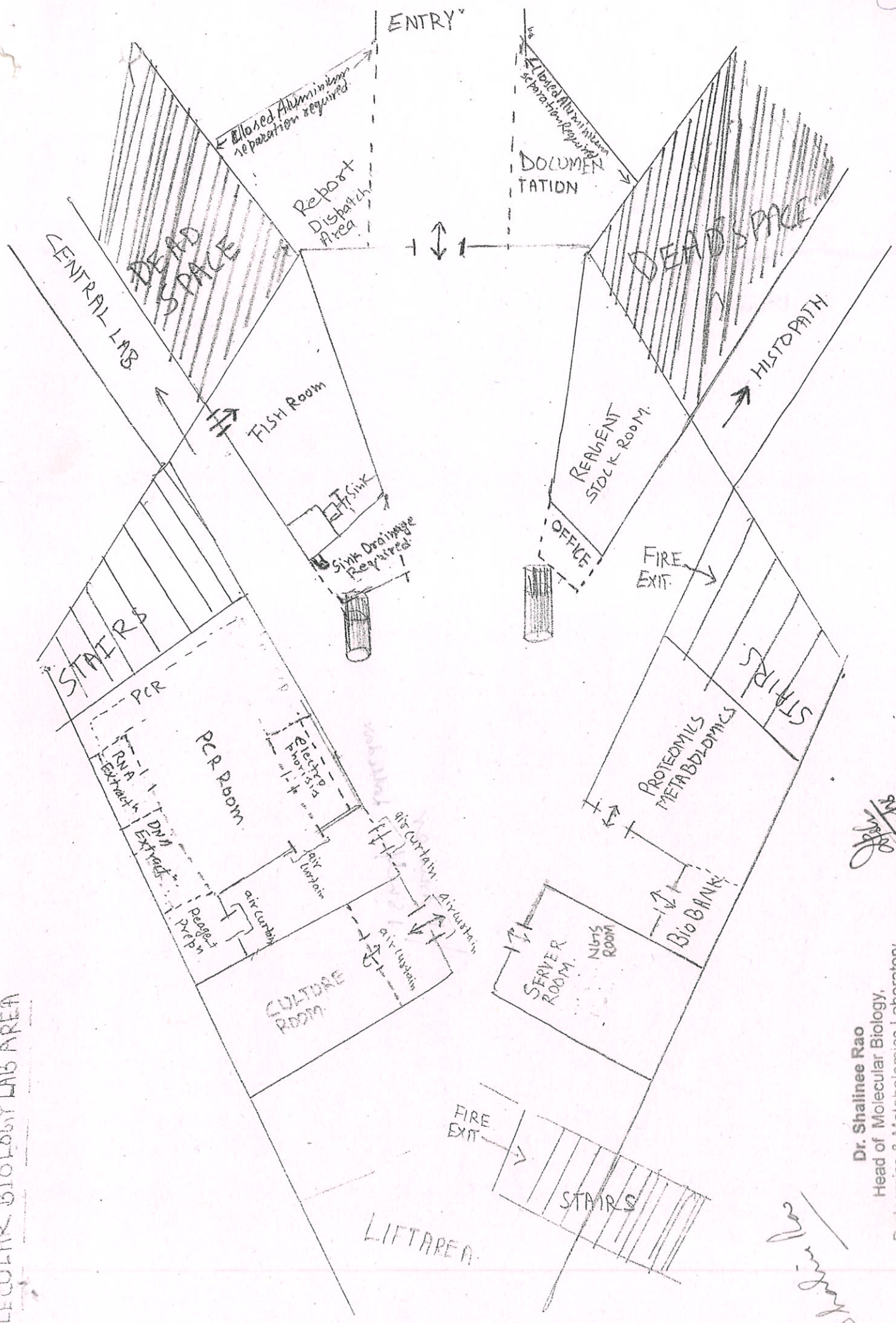
Way to central path lab.



- _____ walls
- - - - - LUMINIUM PARTITION
- ***** Granite Slab
- ===== DOUBLE DOOR

25/11/20
 28

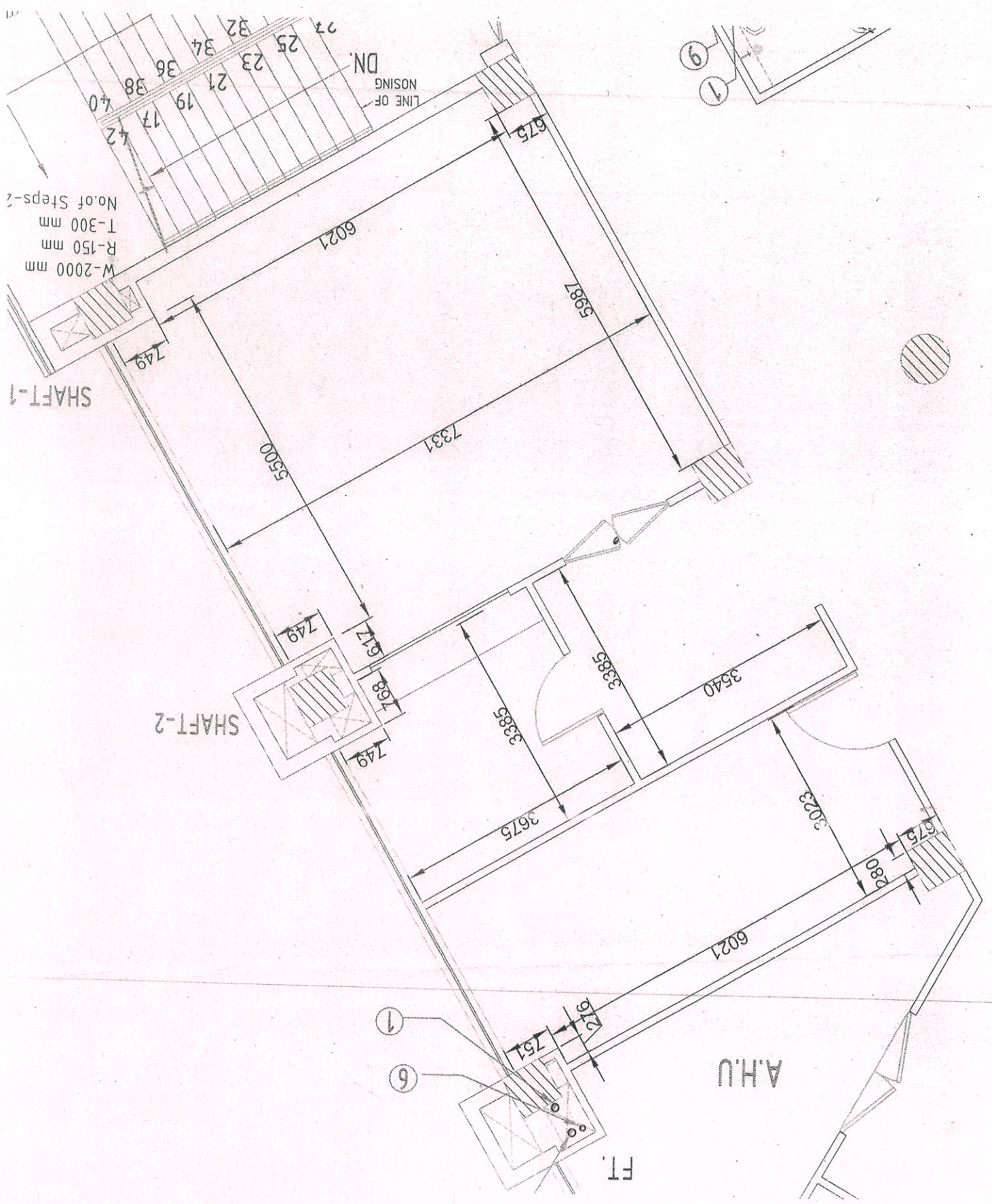
MOLECULAR BIOLOGY LAB AREA



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For Culture Room:

- 1) Installation of Aluminium separation with sliding door within the room around 1.5 m interior to the room door (as mentioned in map).
- 2) Granite top slab on left side
(H x W x L: 0.80 m x 0.73m x 2.40m).
Note: Granite top slab should essentially be 4 inch to 4.5 inch thick.
- 3) Air Outlet vents with HEPA filter (of 99.5 purity type).
- 4) HEPA filters in air conditioning vents (99.99% efficiency for 0.3 micron particulates.)
- 5) UV light installation
 - Ultraviolet lights Type : UV - C type tube light.
 - Germicidal mode of action.
 - Power consumption: at least 80 Watt.
 - Life span should be 8000 hours.
 - Wavelength should be of 254 nm.
- 6) Air curtains on outer door.
- 7) Double Door should be of automated electromagnetic type.
- 8) Temperature and pressure monitors.

For FISH Room :

- 1) Additional electricity points 10 to 15 in nos. (position mentioned in map)
- 2) Removal of commode from washroom.
- 3) Temperature and pressure monitors.
- 4) Provision of aluminium separation with sliding door and throughout Half height glass window (position mentioned in map).
- 5) Extension of water supply from this room to other areas of laboratory.
- 6) Outside the room provision of sinks with drainage.

Office Room:

- 1) Enclosed Aluminium compartment with a door and throughout half height glass window in aluminium separation (as marked on map).
Dimension : 3.75m x 3m x 2.2m
- 2) Electricity points 5 to 10 in nos.

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 - PCR area slab
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- Note: Granite top slab should essentially be 4 inch to 4.5 inch thick.

- 2) Aluminium compartments (Full length separation view map).
 - DNA Extraction Room
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 - RNA Extraction Room
(L x W: 3.3 m x 2.4m)

3) Electrophoresis Room.
(L x W : 2m x 1.8m)
Note : All aluminium compartment and enclosure should essentially match with AIIMS Rishikesh existing infrastructure colour code.

- 4) Electricity points.
 - Additional 4 points in nos. in each separation.

- 5) Air Outlet vents with HEPA filter (99.99 efficacy for 0.3 micron particle).
- 6) HEPA filters in air conditioning vents (99.99 efficacy for 0.3 micron particle).
- 7) Ultraviolet lights installation in reagent preparation room, DNA extraction room and RNA extraction room and electrophoresis room .

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- 9) Sink with drainage in reagent preparation room.
- 10) Installation of double door (as mentioned in map) with automated electromagnetic type door closure
- 11) Air curtains 3 in nos (position mentioned in attached map).
- 12) Temperature and pressure monitors in each separation as well as in reagent preparation room.
- 13) Corrosive resistant flooring in Reagent preparation room, DNA extraction room, RNA extraction room and electrophoresis room.

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