Existing TB Lab Layout District TB Centre, Falkawn, Aizawl, Mizoram



Area Details:

- 1. Room 1: CBNAAT Room: 13'6" x 15'6"
- 2. Room 2: UPS Room: 5'4" x 6'1"
- 3. Room 3: 10'4" x 18'3"+ 5'8" x 9'3"
- 4. Room 4: 8'0" x 18'3"
- 5. Room 5: 9'6" x 18'3"
- 6. Room 6: 9'4" x 18'3"
- 7. Room 7: 14'6" x 17'3" Room 7(a):4'4" x 12'2"
- 8. Room 8:10'6" x 17'3"
- 9. Room 9: 8'0" x 17'3" 10. Room 10: 9'1" x17'3"

Room 7(b):4'9" x 4'4"

Sample Collection: 19'2"X10'4"

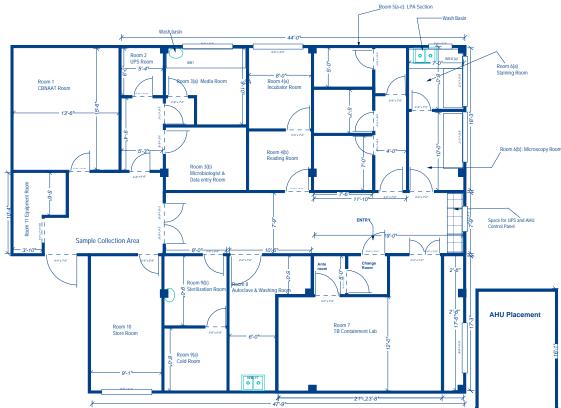
■ Existing pillars

Total Ceiling Height :9'6"

Beam Height: 1'6" Beam to Floor: 8'

Note: Beams are in continuation with the existing pillars

Proposed Layout with demarcation of rooms for TB C&DST Lab District TB Centre, Falkawn, Aizawl, Mizoram



Space for UPS and AHU control Panel

Existing Pillar

Room Dimensions

Total ceiling height 9'6" Beam Height 1'6" Beam to floor Height 8'

Note: Beams are in continuation with the existing pillar

Annexure 4

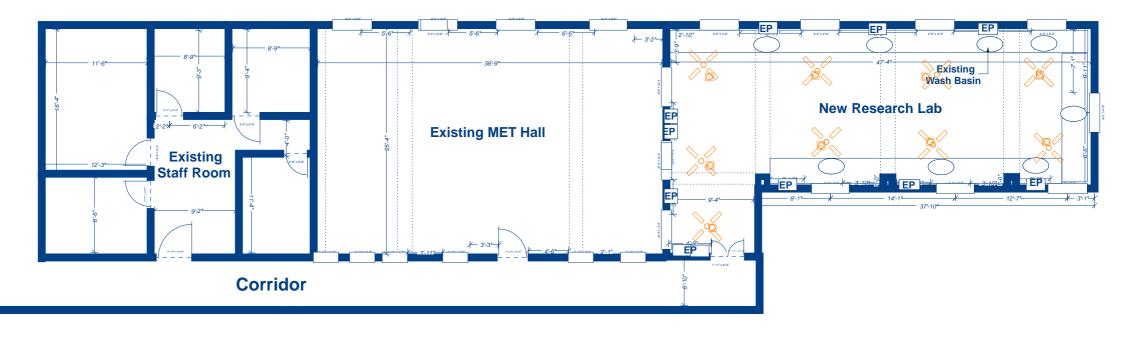
Proposed TB Containment Lab Layout District TB Centre, Falkawn, Aizawl, Mizoram



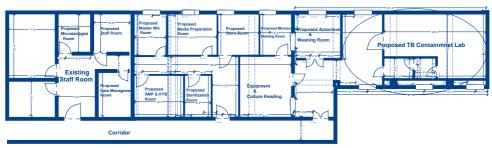
WB 9(a) & (b): Work Bench (LxWxH) (4'6" x 3' x 3'): TB Containment Room WB 8: Work Bench (LxWxH) (4'6" x 3' x 3'): TB Containment Room

Installation of AHU is identified at the ground floor, area just behind the windows of the proposed TB Containment Lab, and as describe in Proposed C&DST Layout

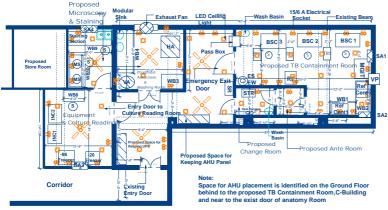
Existing Space, 2nd Floor, C-Building, Dept of Microbiology, GMC Akola



Proposed Sections of TB C&DST Lab, 2 nd Floor, C-Building, Dept of Microbiology, GMC-Akola



Proposed TB Containment Room, Autocalve & Washing, Equipment & Culture Reading, Microscopy & Staining Room, 2nd Floor, C-Building, Dept of Microbiology, GMC-Akola



Internal Dimensions:

Overal Internal Dimension: 25' X 16'

- 1. Area of Change Room: 7' X 5'
- 2. Area of Ante Room: 5' X 5'
- 3. Area of TB containment Room: 25' X 10'4"+12' X 5'
- 4. Area of Autoclave & Washing Room: 12' X 11'
- 5. Area of Equipment & Culture Reading Room: 12'6" X14'
- 6. Area of Microscopy & Staining Room:10'8" X 8'

The Total ceiling Height without beam is 9'10"

PB: Pass box (2'x2')(1no)
WB1:Work Bench1 (LxWxH)(5'x2'6"x2'6")
WB2:Work Bench2 (LxWxH)(6'x2'6"x2'6")
WB3:Work Bench3 (LxWxH)(4'x3'x2'6")
WB4:Work Bench3 (LxWxH)(8'x3'x2'6")
WB4:Work Bench3 (Lx Wx H)(4'x2'5'x2'6")
WB8:Work Bench 8 (Lx Wx H)(4'x2'5'x2'6")
WB9:Work Bench 9 (Lx Wx H)(4'x3'x2'6")
WB10:Work Bench 9 (Lx Wx H)(3'x3'x2'6")
STR: Storage cabinet (LxWxH)(3'X1'6"x4')
ES & EW: Emergency Shower and Eye Wash
TR: Trolley (2'x1'6')'-4 no.
S: Revolving Stools (5 nos.)
SR: Shoc Rack (2'x1')
VP:View Panel(1 no)

Equipment Details:

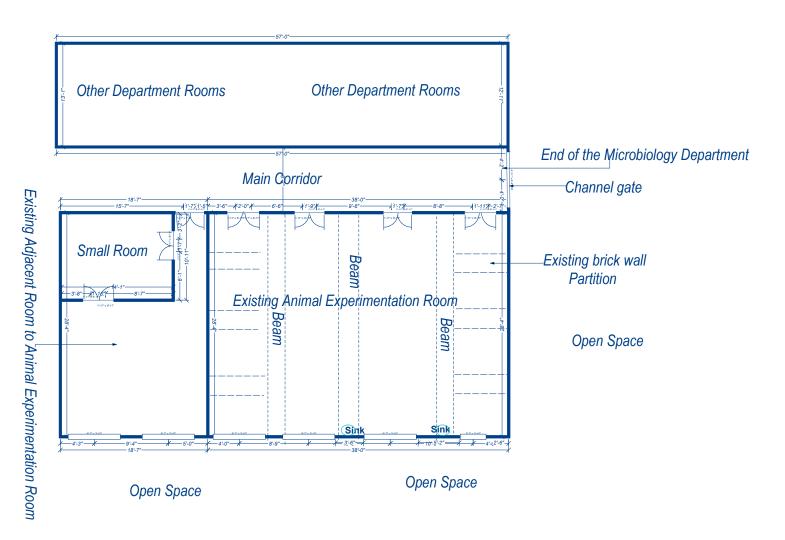
TB Containment Lab BSC: Bio-safety Cabinet RF:Refrigerator Ref. Cent: Refrigerated Centrifuge SA: Split AC (2 TR) MGIT: MGIT 960

Autoclave & Washing Room: VA: Vertical Autoclave HA:Horizontal Autoclave Exhaust Fan

Equipment & Culture Reading Room: INC: Incubator -20 Freezer -86 Freezer SA: Split AC(1.5 TR)

Microscopy & Culture Reading Room: MS: Microscope SA:Split AC (1TR)

Existing Layout of the Rooms identified for TB C& DST Lab Ground Floor, Department of Microbiology Moti Lal Nehru Medical College, Allahabad



Area of Rooms:-

1) Existing Animal Experimentation Room: 28'4"x38'

2) Existing Adjacent Room to Animal Experimentation Area:28'4"x18'7"

3)Small Room: 10'11"x14'1"

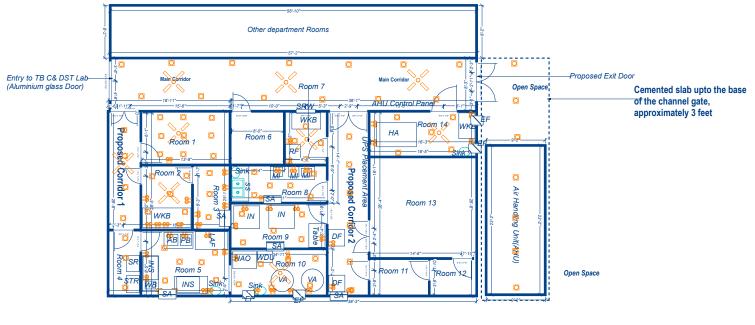
4) Height of ceiling: 10'10"

5) Beam Size: 28'4"x1'4"

6) Main Corridor: 57'X 8'3"

Proposed Layout for TB C& DST Lab Ground Floor, Microbiology Department Moti Lal Nehru Medical College, Allahabad

Annex 2



Open Space

Area of the Rooms(LXW):

1)Room1: Proposed Store Room:13'6"x8'

2)Room 2: Proposed Documentation and Data Entry and LIMS Room: 9'9"x7'8"

3)Room 3: Proposed Microbiologist Room:9'9"x5'6

4)Room 4: Proposed Ante Room of Media Room: 9'10"X4'8"

5)Room 5: Proposed Media Room: 13'6"X9'10" 6)Room 6: Proposed Walk in Cold Room:8'x8'

7)Room 7: Proposed Sample Reception Room: 8'X6'4"

8)Room 8: Proposed Microscopy & Staining Room:14'9"x5'7"

9)Room 9:Proposed Incubator Room & Proposed Culture Reading :14'9"x6'9"

10)Room 10:Proposed Washing & Sterilization Room: 14'9"X6'10'

11)Room 14: Proposed Autoclave Room:16'3"X6'9"

12)Main Corridor: 57'X8'3" 13)Proposed Corridor 1: 18'3"x4'8"

14)Proposed Corridor 2: 28'4"x6'

PROPOSED TB CONTAINMENT ROOM:

1) Room 11: Proposed Change Room:8'10"X5'5"

2)Room 12: Proposed Ante Room:7'X5'5"

3)Room 13:Proposed TB Containment Lab:15'5"X16'3"

Equipment & other Item Description:

1)LAF: Laminar Air Flow(1 No.)

2)HA: Horizontal Autoclave(1 No.)

3)VA: Vertical Autoclave(2 Nos.)

4)WDU: Water Distallation Unit(1 No.)

5)HAO:Hot Air Oven(1 No.)

6)RF: Refrigerator(1 No.)

7)DF: Deep Freezer(2 No.)

8)INS: Inspissator(2 Nos.) 9)WB: Water Bath(1 No.)

10)IN: Incubator(2 Nos.)

11)MI: Microscope(3 Nos.)

12)SS:Staining Section(1 No.)

13)AB: Analytical balance(1 No.) 14)PB: Precision Balance

15)STR: Storage Rack(1 Nos.)

16)SR: Shoe Rack(1 No.)

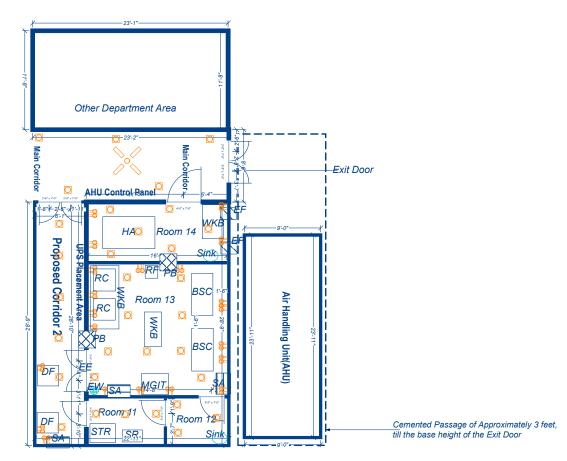
17)EF:Exhaust Fan(4 Nos.) 18)SA: Split AC

19)WKB: Work bench

20)SRW:Sample reception window

Annex 3

Layout of Proposed TB Containment Lab Ground Floor, Microbiology Department Motilal Nehru Medical College, Allahabad



Area of the Rooms(LXW):

1)Main Corridor: 57'x8'3" 2)Proposed Corridor 2: 28'4"x 6' 3)Room 14: Proposed Autoclave & Discard Room: 16'3"x6'9"

PROPOSED TB CONTAINMENT LAB:

1)Room 11:Proposed Change Room:8'10"x5'5" 2)Room 12: Proposed Ante Room:7'x5'5" 3)Room 13: Proposed TB Containment Area:15'6"x16'3"

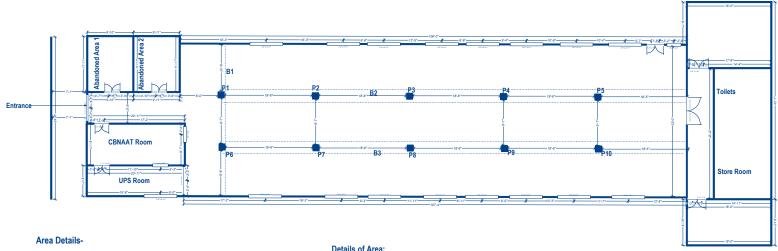
Height Of ceiling: 10'10" Beam: 28'4"x1'4"

Equipment and Other Item Details:

1)BSC: Biosafety Cabinet(2 Nos)
2)RC: Refrigerated Centrifuge(2 Nos)
3)MGIT: MGIT 960 machine(1 No)
4)HA: Horizontal Autoclave(1 No)
5)DF: Deep Freezer(2 No)
6)RF:Refrigerator(1 No)
7)STR: Storage Rack(1 No)
8)SR: Shoe Rack(1 No)
9)WKB: Work Bench(3 Nos)
10)PB: Pass Box(2 Nos)
11)SA: Split AC(3 Nos)
12)EW: Eye Wash(1 No)
13)EE: Emergency Exit
14)EF: Exhaust Fan(2 No)

Annexure 1

Existing Layout of STDC Office, Accounts, Store & Training Centre Ground Floor, STDC Bhopal



Room Area:

1)Abandoned Area 1: (11'11"x9'10") 2)Abandoned Area 1: (11'11"x9'11") 3) CBNAAT Room: (8'11"x20'11") 4)UPS Room: (6'7"x20'11")

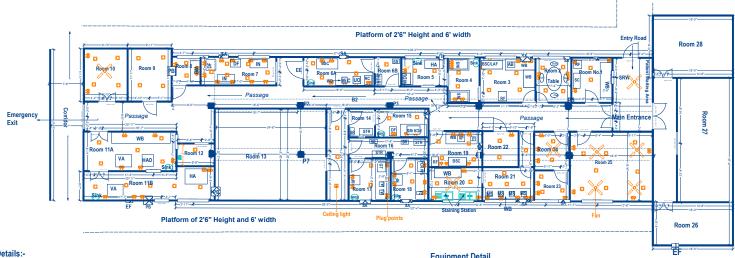
5) Store: (18'x14') 6)Toilets: (18'x28')

Details of Area:
1)Distance between Pillars: 9'7"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left Pillar(P1, P2, P3, P4, P5): 9'10"
2)Distance from Left wall to Left w

2) Distance from Right Wall to Right Pillar(P6,P7,P8,P9,P10): 9'6"
4) Size of Ventilations Window: 5'X1'6": 22Nos.
5) Beam 1 Height: 6"
6) Beam 2 Height: 1'
7) Beam 3 Height: 1'

8)Total Height of Ceiling : 10'10" 9) Windows: 7'X2'6": 22 Nos.

Proposed Layout of TB C&DST Lab Ground Floor, STDC Bhopal



Area Details:-

1)Room 1: Sample Reception-9'x9'9" 2)Room 2: Staff Room-7'9"x9'9" 3)Room 3: Media Room-12'3"x9'9" 4)Room 4: Inspissator Room-6'9"x9'9" 5)Room 5: Sterilization Room-9'11"x6' 6)Room 6: BSL 2 -15'8"x6'2" 7)Room 7: Instrument Room-17'x6'4"

8)Room 8: Culture Reading Room-6'4"x6'2" 9)Room 9: Walk in Incubator-9'11"x11'11" 10) Room 10: Store-9'10"x11'11"

11)Room 11A: Autoclave Room-8'11"x20'11" 12)Room 11B: Washing Area-6'7"x29'6"

13)Room 12: Emergency shower Room

14)Room 13: TB Containment Area-24'6"x20'5"
15)Room 14: Ante Room for Master Mix Room-6'2"x5'8"

16)Room 15: Master Mix Room-6'2"x11'8"

17)Room 16: Ante Room for Hybridisation and Amplification Room-17'8"x4'2"

18)Room 17: Hybridisation Room-9'4"x9'2" 19)Room 18: Amplification Room-8'x9'2" 20)Room 19: CBNAAT Room-11'10"x8'

21) Room 20: Staining Area-12'1"x7'6"

Area Details:-

22)Room 21: Microscopy Room-11'3"x7'5" 23)Room 22: Walk in Cold Room-8'X8' 24)Room 23: Microbiologist Room-8'x6'6"

25)Room 24: LIMS & Data Entry Operator Room-8'x8'6"

26)Room 25: Space for Office-18'3"x15'6" 27)Room 26: FIND Store-9'10x18' 28)Room 27: Toilet-28'x14'

29)Room 28: 14'x18'

Equipment Detail

1)BSC: Biosafety Cabinet 2) LAF: Laminar Air Flow 3)AB: Analytical Balance

4)INS: Inspissator

7)VA: Vertical Autoclave 8) HA: Horizontal Autoclave

9) MS:Microscope

11)PCR: PCR Workstation

15)IN: Incubator

5)RF: Refrigerator

6)DF: Deep Freezer(-20 & -80)

10) RC: Refrigerated Centrifuge

12)TW: Twincubator 13)GT: GT Blot

14)TC: Thermocycler

16)Mi.C: Micro-Centrifuge

17)UO: Universal Oven

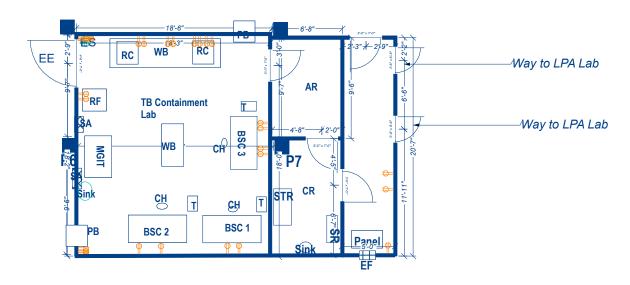
Other Detail 1)WB- Work Bench 2)SR: Shoe Rack 3)STR: Storage Rack 4) PB: Passbox:2'X2'- 2 No.

5) SA: Split AC 6) EF: Exhaust Fan

7) ES Cabin: Emergency Shower Cabin

Annexure 3

Proposed Layout of TB Containment Lab



Area Detail:

TB Containment Lab: 21'x18'6" Ante Room(AR): 9'6"X6'8" Change Room(CR):10'7"X6'8"

Height of Room: 10'10"

Beam Height: 1' P7 : Pillar(1'4"x1'4") **Equipment Details:**

1)BSC: Biosafety Cabinet: 3 Nos.

2)RF: Refrigerator(2-8 Deg): 1No.

3)RC: Refrigerated Centrifuge: 2Nos.

1)PB:Pass Box(2'X2'): 2 Nos

2)WB:Work Bench(8'x2'6"): 1No

3) WB:Work Bench(4x2'6"): 1No

4) Split AC(2TR): 2Nos

5)T: Trolley for BSC: 3Nos

6)STR: Storage Rack: 1No

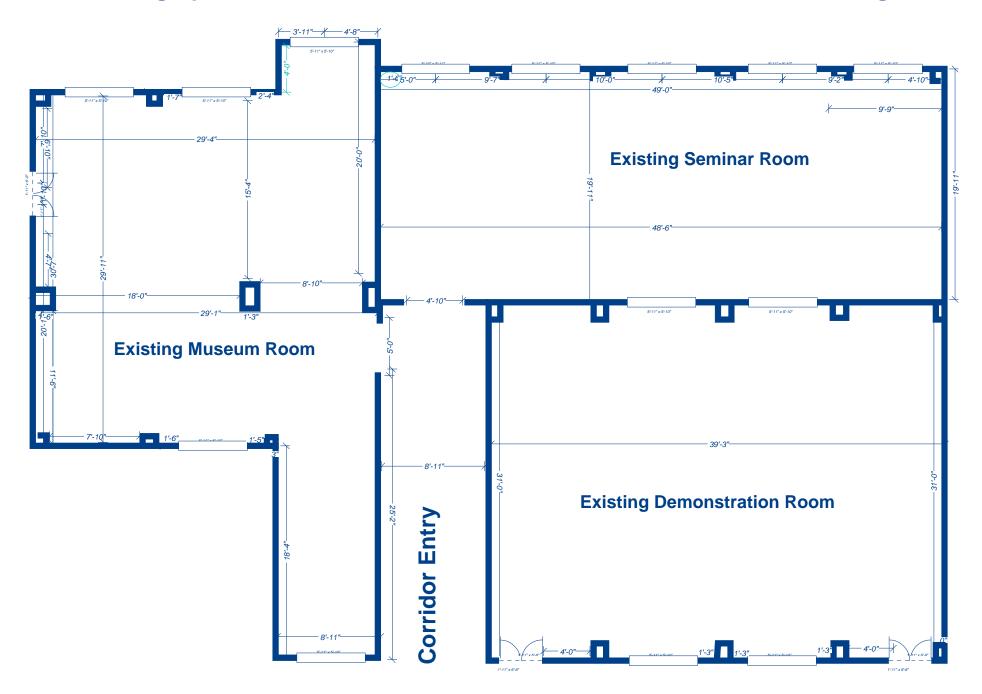
7) SR: Shoe Rack: 1No

8) CH: Chair: 3Nos

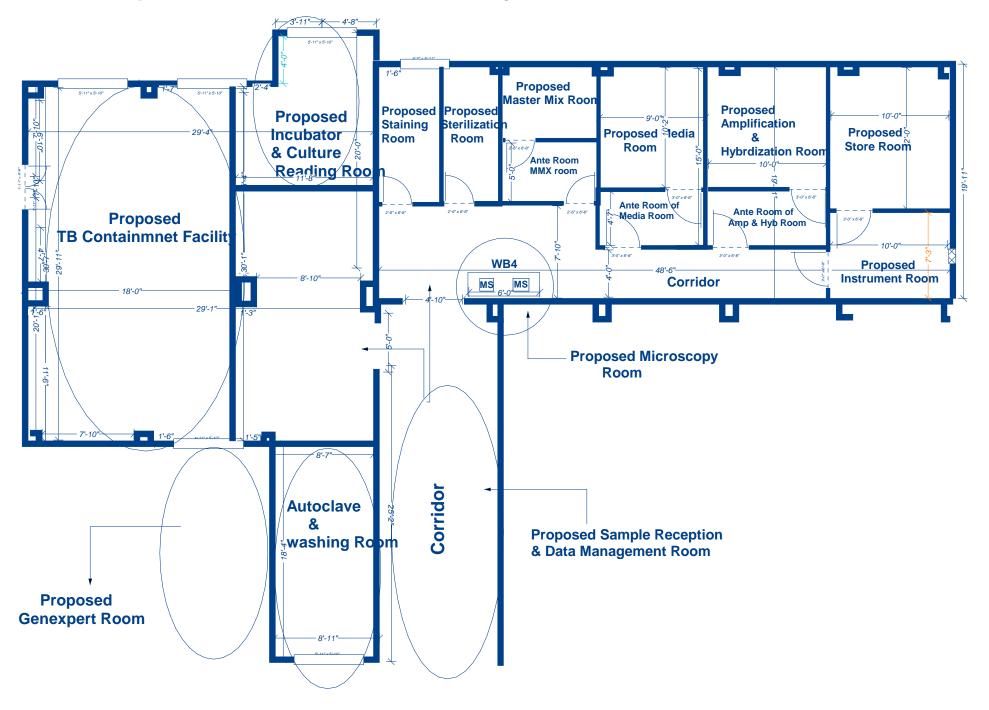
9)EE: Emergency Exit: 1No

10) ES: Eye shower: 1No

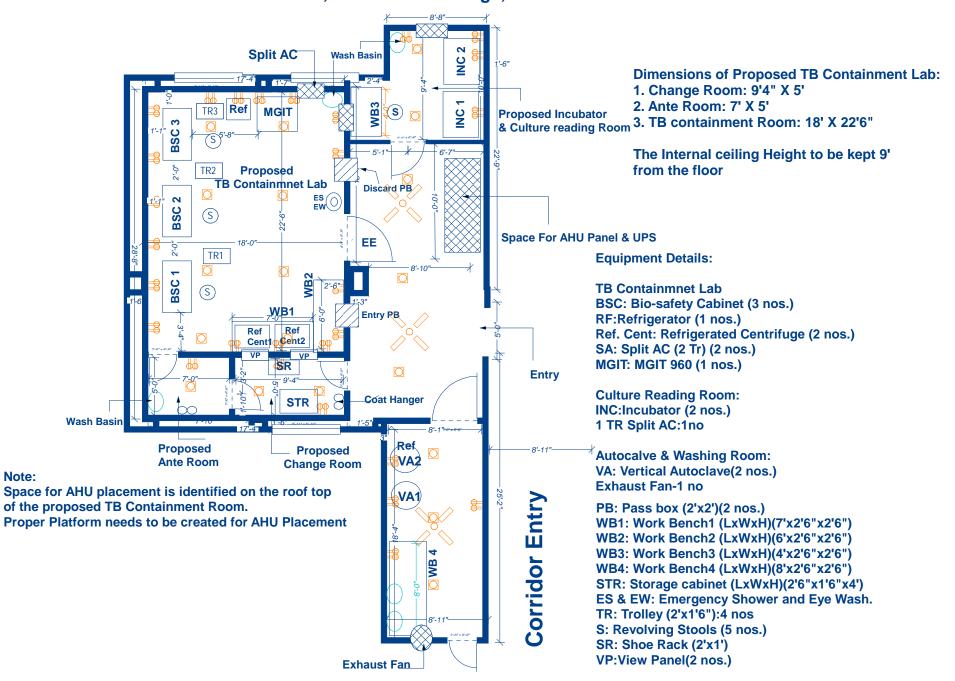
Existing Space Identified for TB C& DST LAB,1st Floor,S.P Medical College,Bikaner



Proposed TB C& DST Facility,1st Floor,SVMC-Bikaner

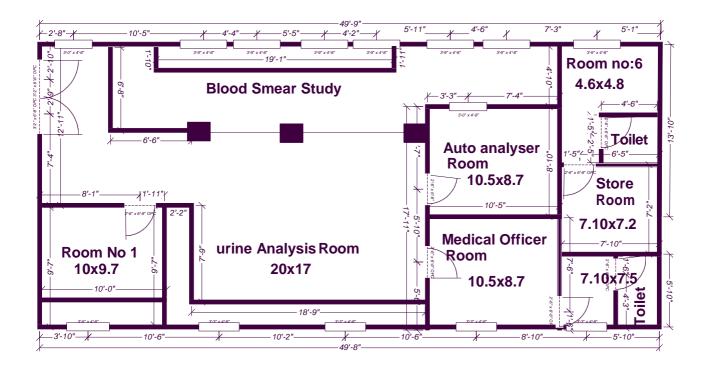


Proposed TB Containmnet Facility, Incubator cum Culture Reading, Autoclave & Washing Room 1 st Floor, S.P Medical College, Bikaner

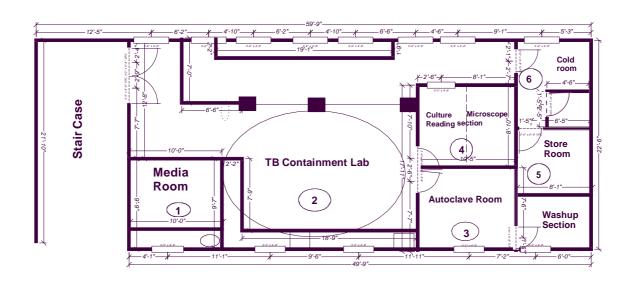


Annex 1

Existing Facility at Old Labaratory ,Room No 102,2nd Floor Government Coimbatore medical college &Hospital, Coimbatore.



Proposed Section of TB C&DST LAB in the Existing layout in 2nd floor, Room No 102 Government Coimbatore medical college &Hospital, Coimbatore.



Room No 1: Existing Room No 1 : Proposed Media Preparation Room

Room No 2: Existing Urine Ananysis Room: Proposed TB Containment Lab

Room No 3: Exisiting Medical Officer room:Proposed Autoclave and Washing section

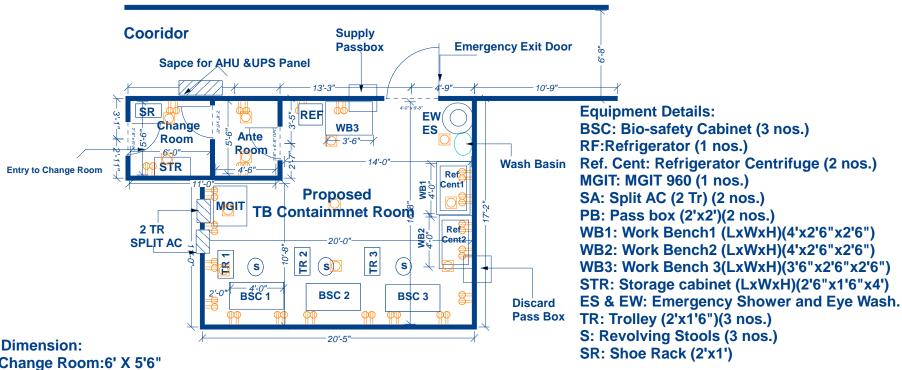
Room No 4: Existing Auto Analyzer Room: Proposed as Culture reading Room and Microscopy and Staining Room

Room No 5: Existing Store Room : Proposed as Store Room

Room No 6: Proposed WIC Room

Proposed TB Containmnet Lab, 2nd Floor Government Coimbatore medical college & Hospital, Coimbatore

Annex 5



Internal Dimension:

Area of Change Room:6' X 5'6" Area of Ante Room: 4'6" X 5'6"

Area of TB Containmnet Room: 20' X 10'8" +14'X5'6"

Note:

Space for AHU placement is identified on the roof top of the proposed TB Containment Room.

Proper Platform needs to be creat for AHU Placement

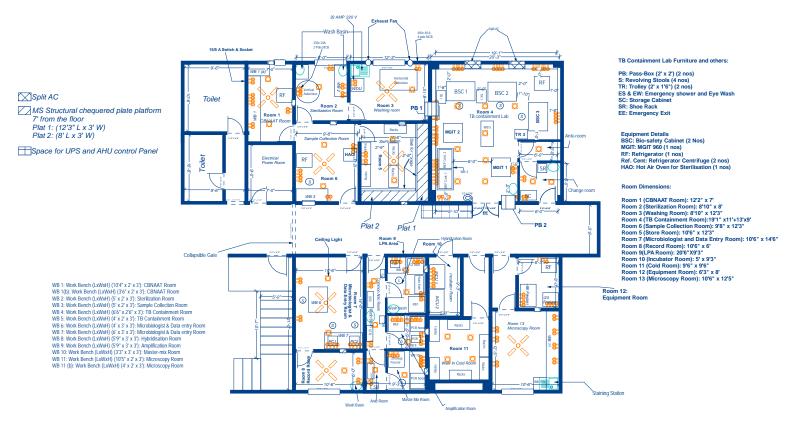
Additional Work related to TB containment LAB:

- 1. 2 windows in the Identified TB Containment area need to be closed permenantely with brick and Cement.
- 2. Remove the Existing slab and 2 wash basin in the identified TB Containment Area.
- 3. Need to remove the Shelf in the identifed space for fixing of AHU panel.

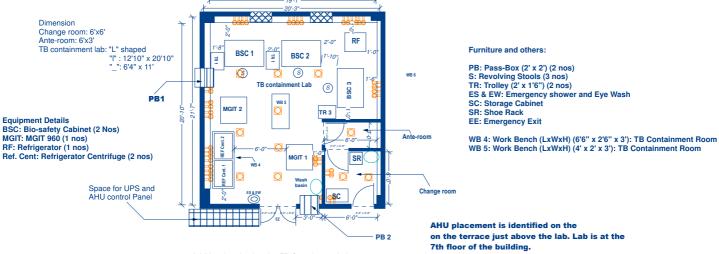
Existing Layout Murshidabad Medical College, Murshidabad



Proposed C&DST Lab, Murshidabad Medical College

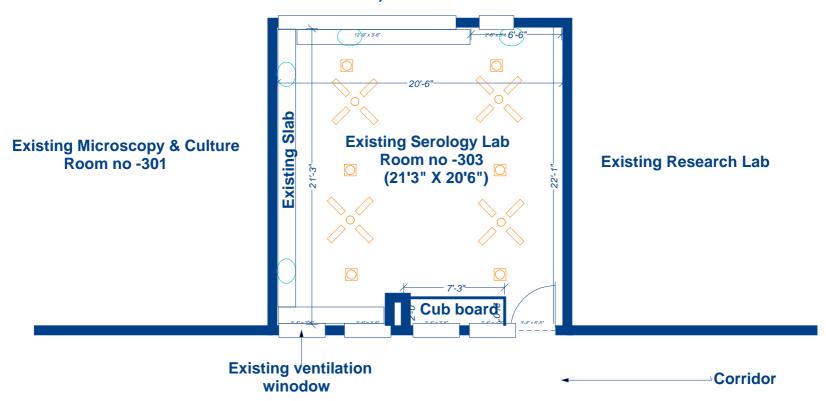


Proposed TB containment Lab Murshidabad Medical College, Murshidabed

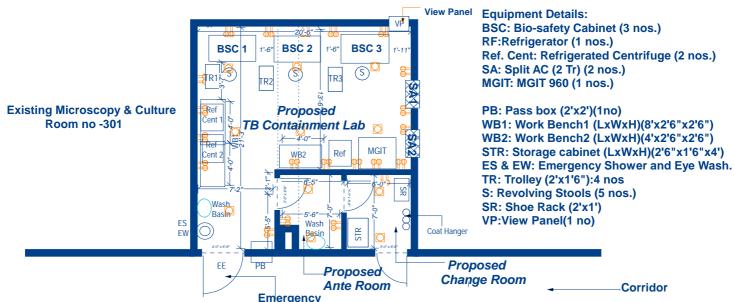


- Additional work related to TB Containmnet Lab:
 1) Creation of Door as indicated in the layout
 2) Creation of Passbox as indicated in the layout
 5) Creation of HVAC/AHU platform with
 a height 4 feet above the ground label

Sapce identified for establishment of TB Containmnet Lab, 2 nd Floor, PGIMS Rohtak



Proposed TB Containment Lab, Department of Microbiology, 2nd Floor, PGIMS Rohtak



Dimensions of Proposed TB Containment Lab: Exit Door

1. Change Room: 7' X 6' 2. Ante Room: 7' X 5'6"

3. TB containment Room: 13'6" X 20'6"+7'6" X 7'2"

The Internal ceiling Height to be kept 9' from the floor .Floor to beam height is 10'4".

Note:

Space for AHU placement is identified on the roof top of the proposed TB Containment Room.

Proper Platform needs to be created for AHU Placement

Annex 1

Existing Facility at Centeral Laboratory, Room No 13 SVRRGGH/SV Medical College, 1 st Floor Tirupati





Room No 1: Existing Serology: Microscopy & Staining is planned in addition with serology

Room No 2:Existing Professor Room:Proposed Staff & Microbiologist Room

Room No 3:Exisiting Staff Room: Proposed WIC & Instrument Room

Room No:4 (a), 4(b) & 5:Existing Culture ,Media Room & Washing Room:Proposed TB Containmnet Lab

Room No 6 &7: Existing Toilet Section: Proposed Autoclave & Washing Room

Room No 8:Existing Bacteriology Room:Proposed Media Preparation Room

Room No 9:Existing Virology Lab:Space for LPA Facility

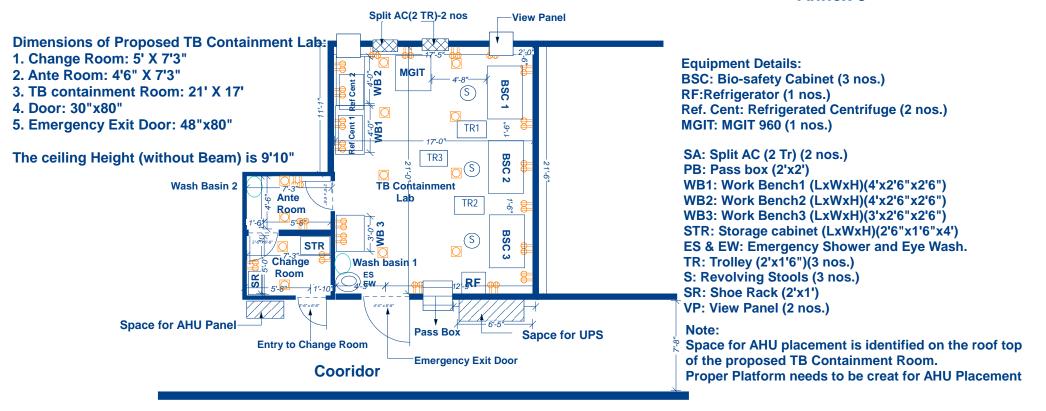
Room No 10:Existing Virology Lab

Room No 11:Existing Store Room:Proposed Store Room

Room No 12 & 13: Existing Toilet

Proposed TB Containmnet Lab,1 st Floor SVMC,Tirupati

Annex 3



Additional work related to TB Containmnet Lab:

- 1) Creation of Door For entry to Change Room, Ante Room & TB containmnet Room as indicated in the layout
- 2) Creation of Passbox as indicated in the layout
- 3) Creation of Emergency Door as indicated in the layout and closing the remaining opening of existing window by permanenet brick & cement
- 4) Permanent closing of existing Door by Brick & cement in between Proposed Change Room & Proposed TB Containmnet Facility
- 5) Creation of HVAC/AHU platform with a height 3/4 feet above the roof top label
- 6) Dismental of existing Work bench & Wash basin inside the Proposed Change & Ante Room
- 7) Dismental of existing electrical sockets & lights from the proposed TB Containmet Facility
- 8) Permanenet closing of existing door inside the proposed TB Containmnet Facility by brick & Cement
- 9) Creation of Two View panel inside the proposed TB Containmnet Facility as indicated in the layout and the remaining space for existing window needs to be close permanently
- 10) Dismental of existing aluminium Partion in side the Facility
- 11)Permanent removal of existing wall including the existing Door in between Existing Culture & Media room with out effecting the beam & Pillar
- 12) Permanent closing of the existing window inside the Proposed Ante room by brick & cement
- 13) Grill lock and key facility need to be provided to the AHU panel board for the safety purposes