

## GOVERNMENT MEDICAL COLLEGE HOSPITAL SHAHDOL (GMCH)

### Clinical Material (Last 6 months)

Department	OPD	IPD
General Medicine	55654 (DH), 1092 (GMCH)	6551
TB & Chest	997 (DH)	589 (DH)
Psychiatry	754 (DH), 229 (GMCH)	263 (DH), 44 (GMCH)
Paediatrics	8367	2114
Skin & VD	5137 (DH), 707 (GMCH)	18 (DH)

DH: District Hospital, GMCH: Government Medical College Hospital Shahdol

Department	OPD	IPD	No. of Major operation	No. of Minor operation	
General Surgery	3234	1225	213	105	
Obs & Gynae	9854	3038	1451	132	Normal delivery: 2219 Caesarean: 1399
Ophthalmology	3527	122	104	156	
Orthopaedics	7573	348	52	13	
Dentistry	3663	54	7	115	
ENT	2097	40	11	24	

Radio diagnosis	OPD	IPD
X ray	5417, 266 (GMCH)	295 (GMCH)
USG	2060	1546

### Covid-19 Data (Government Medical College Hospital Shahdol) till 29.08.2020

Total Admissions	Total Discharge (Recovered)	Total Death
640	558	4

### Fever Clinic Data

18 may to 31 may	100
1 June to 30 June	517
1 July to 31 July	2941
1 august to 27 august	6095

  
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## Lab Investigations

### Covid -19

#### A:- RT-PCR Lab data (testing from 12.07.2020)

1. Total samples received: 14031
2. Total Samples tested: 13549
3. Negative: 12949
4. Positive: 00607
5. Rejected/Invalid: 00360
6. Pending Samples: 00122

#### B:- True NAAT ) testing started from 01-06-2020

1. Total samples received: 1665
2. Total Samples tested: 1658
3. Negative: 1585
4. Positive: 0039
5. Rejected/Invalid: 0034
6. Pending Samples: 0007

### Pathology

Haematology	Clinical Pathology	Cytology
37600 (DH), 154 (GMCH)	6405 (DH), 387 (GMCH)	127

### Biochemistry

(DH)	(GMCH)
28221	6289

### Microbiology

S. No.	Tests	Total No.
1	Hbs Ag	6976
2	VDRL	3497
3	HCV	132
4	RA	308
5	CRP	1265
6	Dengue	350
7	Widal	1993
8	HIV	2011
9	Malaria	2056
10	TB	1882
11	Stool	2100

  
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**Details regarding BSL-2 Level RT PCR facility in the department of Microbiology, Government Medical College Hospital, Shahdol (attached)**

**Pg. No. 10-26**



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**DEPARTMENT OF MICROBIOLOGY**  
**GOVERNMENT MEDICAL COLLEGE, SHAHDOL (M.P)**

Kudari Road, Champa, 484001. E-mail: [microbiology.gmcshahdol@gmail.com](mailto:microbiology.gmcshahdol@gmail.com)

To,  
The Dean and CEO  
Govt. Medical College  
Shahdol (M.P)



**Subject:** *Regarding setting up of BSL-2 level RT PCR facility in the department of, GMC Shahdol as per MSR (MCI).*


**Reference No.:** Letter No. 2973, Dated 07-07-2020. & 13/MCI/GMCS/2020.

Respected Sir,

Regarding the above mentioned letter, i am giving the detailed information of setting up of BSL-2 level RT PCR facility in the department of Microbiology, GMC Shahdol as per MSR (MCI). This is for your information and necessary action.

Thanking you.

Regards.

  
(Dr. Abhishek Gaur) Head  
Asso. Prof. and Head, Department of Microbiology  
Government Medical College  
Shahdol (M.P.)  
Deptt. Of Microbiology  
GMC, Shahdol (M.P.)

Encl:

- 1- Letter to dean regarding information about equipments BSI-2 lab
- 2- Checklist of Covid 19 testing laboratory
- 3- Authorization letter of AIIMS Bhopal for testing Covid 19.
- 4- Details of Covid 19 samples tested so far.
- 5- Virology laboratory photographs of GMC, Shahdol.

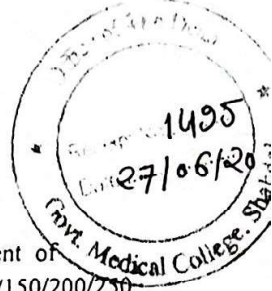
  
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**GOVERNMENT MEDICAL COLLEGE, SHAHDOL (M.P)**

Kudari Road, Champa, 484001. E-mail: microbiology.gmcshahdol@gmail.com

To  
 The Dean and CEO  
 GMC, Shahdol, M. P.



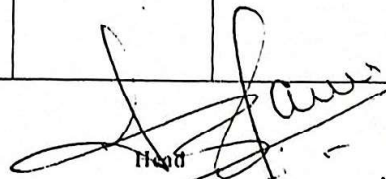
Sub:- Inclusion of BSL -2 level laboratory testing facility for infectious pathogens in the department of microbiology in all medical colleges by amending the minimum standard requirement for 50/100/150/200/250 MBBS Admissions annually regulation-Reg. (MCI)

Respected sir -

As per the letter No.304DME/COVID/VII/2020 from DME Dated 26/06/2020 regarding the above mentioned subject there ~~is~~ <sup>is</sup> am giving the detailed information on the same as below.

S.No.	Name of Facility/ Equip.	Qty. Available	Date of Procurement	Date of Validation/ Calibration	Not Available
1	Biosafety cabinets (2A/2B) Calibrated)	3	11/03/2020	11/04/2020	01
2	-80 C deep freezer with UPS	1	26/9/2019	25/04/2020	
3	Real time PCR machine calibrated with UPS (2NOS)	1	09/05/2020	Not dated	
4	Micro centrifuge /Refrigerated Centrifuge	2		25/04/2020	
5	Consumables 1) PPE 2) VTM 3) All other consumables	As need consumables			

This is for your information and necessary Action

  
 Head  
 Department of Microbiology  
 GMC, Shahdol M.P.  
 Department of Microbiology  
 Government Medical College  
 Shahdol (M.P.)

Regards

  
 Head  
 Department of Microbiology  
 Government Medical College  
 Shahdol (M.P.)

  
 CEO & DEAN  
 Government Medical College  
 Shahdol (M.P.)

## Checklist for the Establishment of a COVID-19 Testing Laboratory

Name of Nodal Person: Dr. Abhishek Gaur

Designation: Associate Professor

Department: Microbiology

Institution: Govt. Medical College, Shahdol, (M.P.)

Complete postal address: Govt. Medical College,  
Kudri Road, Champa, Shahdol

Madhya Pradesh, Pin- 484001

Contact details:

E-mail: gaurabbhu@gmail.com

Mobile number: 9039635556

Landline number (office): 07652-243000

### Laboratory Space and Design

1. Does the Microbiology/Virology Department of your institution perform the following test for any infectious disease:

A. Real time PCR

Yes

If Yes, for which organisms:

What is the maximum capacity which can be tested per day:

SAARS-CoV 2

B. ELISA

If Yes, for which organisms: Only machines are available, not kits

Yes

What is the maximum capacity which can be tested per day:

2. Does the Microbiology/ Virology Department of your institution have NABL accreditation for any real time PCR test?

If yes, please specify the test(s): **Permitted testing by Mentor Institute AIIMS, Bhopal for COVID 19**

3. Does the your institution have assigned space for diagnostic real time PCR? Yes

4. If not, is there a dedicated space available for setting up a diagnostic molecular laboratory?

5. Can separate areas be demarcated as sample collection /receiving area, processing and extraction area (Sample handling), Clean room (master-mix preparation) and amplification area (real time PCR machine area) in your laboratory?

6. Does your institution have the following functional equipment?

A. Bio safety Cabinet (BSC)

Encircle the BSC type available

B. Real time PCR machine if yes,

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Yes

BSC Class II (A) / B1/B2

yes

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Department of Microbiology  
Government Medical College  
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Manufacturer

Thermofisher QUANT 5 Studio

C. Model available

Has the instrument been in use in last 6 months?

Is a functional UPS attached to it for uninterrupted power supply

YES

D. Automated nucleic acid extraction system

If Yes,

YES

Manufacturer

Thermofisher / Kingfisher Flex 96 well system

Model available

E. Cold Centrifuge

Yes

F. Deep Freezer (-80°C)

Yes

G. Deep Freezer (-20°C)

Yes

H. Laboratory Refrigerator

Yes

I. Vortex mixer

Yes

J. PCR Workstation

Yes

K. Water purification

Yes

L. Micropipettes

Number available

Yes

a. 1-10 ul

b. 2-20 ul

c. 10-100 ul

d. 20-200 ul

e. 100-1000 ul

M. PCR Plate centrifuge

Yes

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Has your laboratory established contact with any other laboratories?

Yes

If yes, provide details of the same:

Department of Microbiology  
AIIMS, Bhopal

If no, what support would you require to facilitate daily access to the above facility?

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#### Human Resources and Manpower

1. Does your laboratory have already assigned staff who are currently doing RNA extraction and real time PCR?



If yes to either, provide:

Number of such staff who are trained in nucleic acid extraction:

Number of such staff who are trained in real time PCR:

Yes

2. Does your laboratory have assignable staff who are trained in nucleic acid extraction and real time PCR?

If yes to either, provide:

Number of such staff who are trained in nucleic acid extraction:

Number of such staff who are trained in real time PCR:

Yes

3. Fill in the details for presently assigned/ assignable staff for real time PCR (provide details for a maximum of 6 persons)

S.No.	Name of laboratory personnel	Qualification	Training in molecular testing (Yes/No; details if yes)	Experience working in molecular testing (Yes/No; details if yes)
1.	Dr. Abhishek Gaur	M.Sc.,Ph.D (Med)	Yes, IMS,BHU, ICMR NIRTH, Jabalpur	Yes, IMS,BHU ICMR NIRTH, Jabalpur
2.	Mihir Ku. Pattanayak	M.SC(MED.)	ICMR NIRTH, Jabalpur	ICMR NIRTH, Jabalpur
3.	Dr. Gaurav Kumar	M.Sc., PhD	PhD in Molecular work, BITS Ranchi	Post Doc Italy
4.	Dr. L. Shivilata	M.Sc., PhD	PhD in Molecular work, Delhi University	ICMR NIRTH, Jabalpur
5.	Dr. Surjeet Shukla	MBBS,DCP	No	No
6.	Dr. Pramod Singh Rajput	MBBS	No	No

### Bio safety

1. Does your institution have a process for biomedical waste (BMW) handling and disposal? Yes

2. Is the laboratory medical waste treated in-house, or is this outsourced to an external agency? Outsourced

If outsourced, name of agency: M.P. Biomedical Waste disposal System

Outsourced

Is the agency approved by the local pollution board/civic bodies?

Yes

3. Have any of your staff received training regarding laboratory biosafety (e.g. donning and doffing of personal protective equipment, e.g., masks, gloves, gowns, etc.)? Yes

If yes, name and contact details: Dr Surjeet Shukla, Contact: 7999712996

4. Have any of your staff received training in handling and disposal of infectious waste? Yes

If yes, name and contact details:

Mihir Kr. Pattanayak

Assistant Professor, Deptt. Of Microbiology, GMC Shahdol.

Mob. No. 08319100290

Head  
Department of Microbiology  
Government Medical College  
Shahdol (M.P.)

CEO & DEAN  
Government Medical College  
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प्रो. (डॉ.) सरमन सिंह  
निदेशक

**Prof. (Dr.) Sarman Singh**

MD, FRSC, FRSTMH, FAMS, FIMSA, FATP, FSIP, FIAVR, FIABS  
Professor of Clinical Microbiology

**Director**



सत्यमेव जयते

**अखिल भारतीय आयुर्विज्ञान संस्थान**

साकेत नगर, भोपाल - 462 020

**All India Institute of Medical Sciences**

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Web: [www.aiimsbhopal.edu.in](http://www.aiimsbhopal.edu.in)

[www.dr.sarmansingh.com](http://www.dr.sarmansingh.com)

No. DIR/AIIMS-BPL/COVID-19/2020/1053

Wednesday, 8<sup>th</sup> July 2020

### CERTIFICATE

With the powers vested in me as the Director of the Mentor Institute, by the Secretary, Department of Health Research (DHR) and Director General, India Council of Medical Research (ICMR) vide D.O. No. VIR/4/2020/ECD-I dated 9<sup>th</sup> April 2020 and 10<sup>th</sup> April 2020 regarding the preparedness for COVID-19 testing, after evaluation of your application and training carried out by AIIMS, Bhopal, I, authorize **Government Medical College (GMC), Shahdol (Madhya Pradesh), INDIA** for COVID-19 testing only.

This Certificate will not be used for any purpose other than COVID-19 testing.

Prof. Sarman Singh

To,

The Dean  
Government Medical College (GMC)  
Kudri Road, Near New Bus Stand  
Shahdol (Madhya Pradesh)  
INDIA

Head  
Department of Microbiology  
Government Medical College  
Shahdol (M.P.)

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Kudari Road, Champa, 484001. E-mail: microbiology.gmcshahdol@gmail.com

**Details of the Covid 19 Samples tested so far (18-08-20):**

**A:- RT-PCR (testing started from 12-07-2020)**

i-	Total Sample received -	9771
ii-	Total sample tested-	9406
iii-	Negative-	9088
iv-	Positive-	0318
v-	Rejected/Invalid-	0285
vi-	Pending samples-	0080

**A:- TrueNAAT (testing started from 01-06-2020)**

i-	Total Sample received -	1523
ii-	Total sample tested-	1498
iii-	Negative-	1442
iv-	Positive-	0031
v-	Rejected/Invalid-	0025
vi-	Pending samples-	0025

  
19/8/20

(Dr. Abhishek Gaur)

Asso. Prof. and ~~Head~~ **Head**  
Dept. of Microbiology  
Government Medical College  
GMC, Shahdol (M.P.)

(M.P)

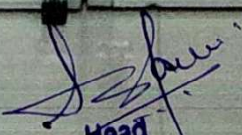


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**VIROLOGY  
LABORATORY  
(GMC SHAHDOL)**



  
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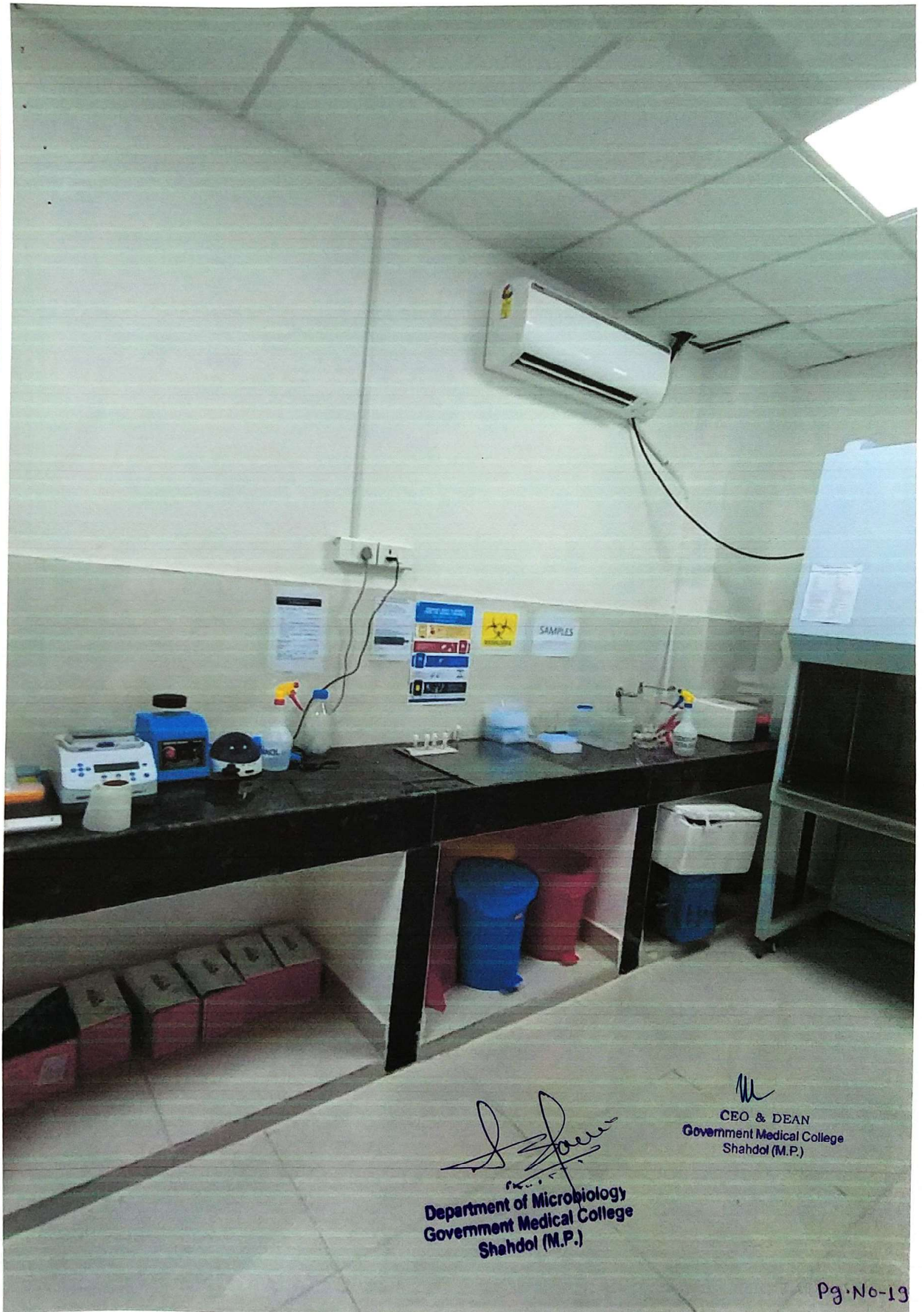
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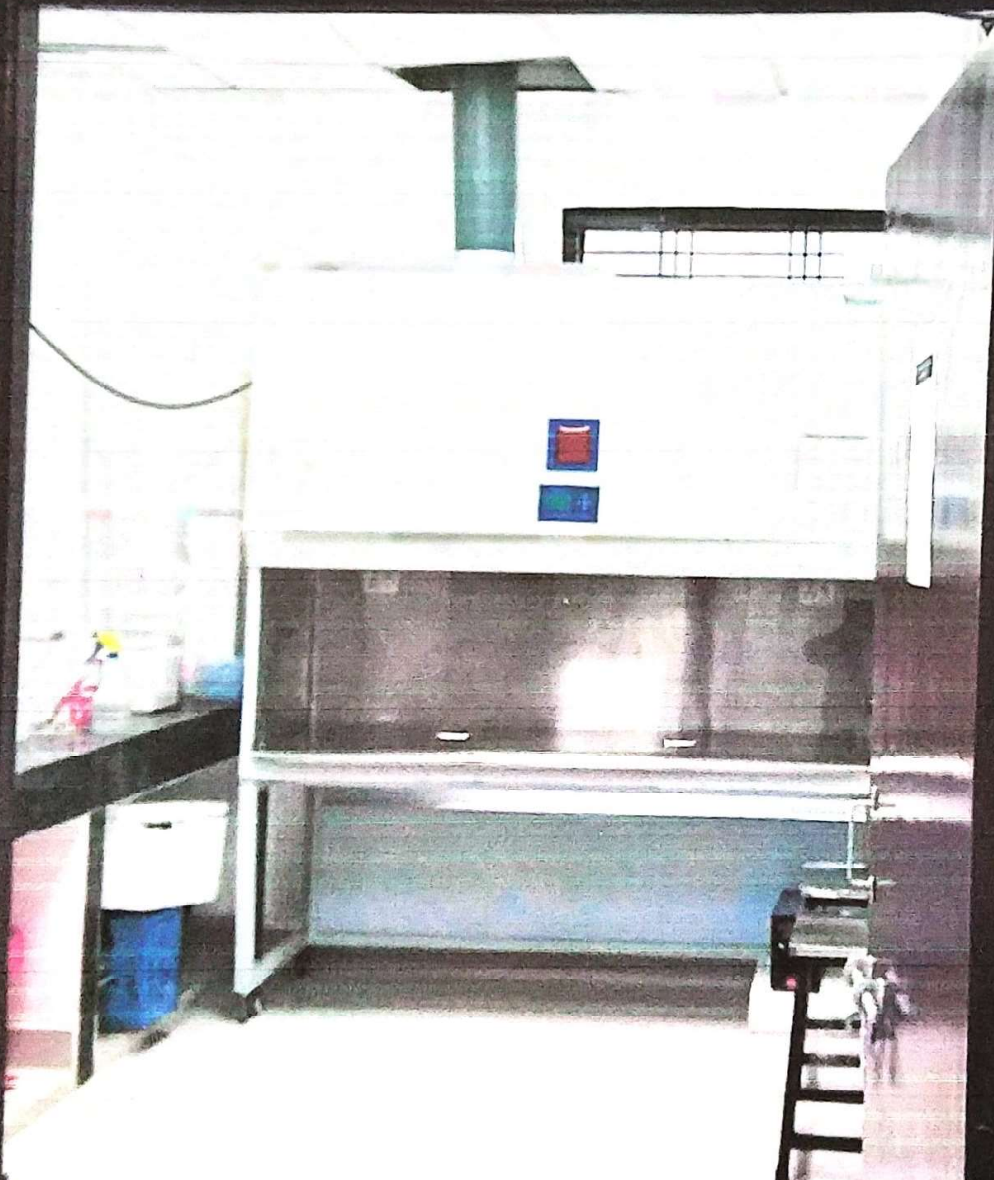



  
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# SAMPLE PROCESSING ROOM



  
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*J. Saw*  
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Department of Microbiology  
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*M*

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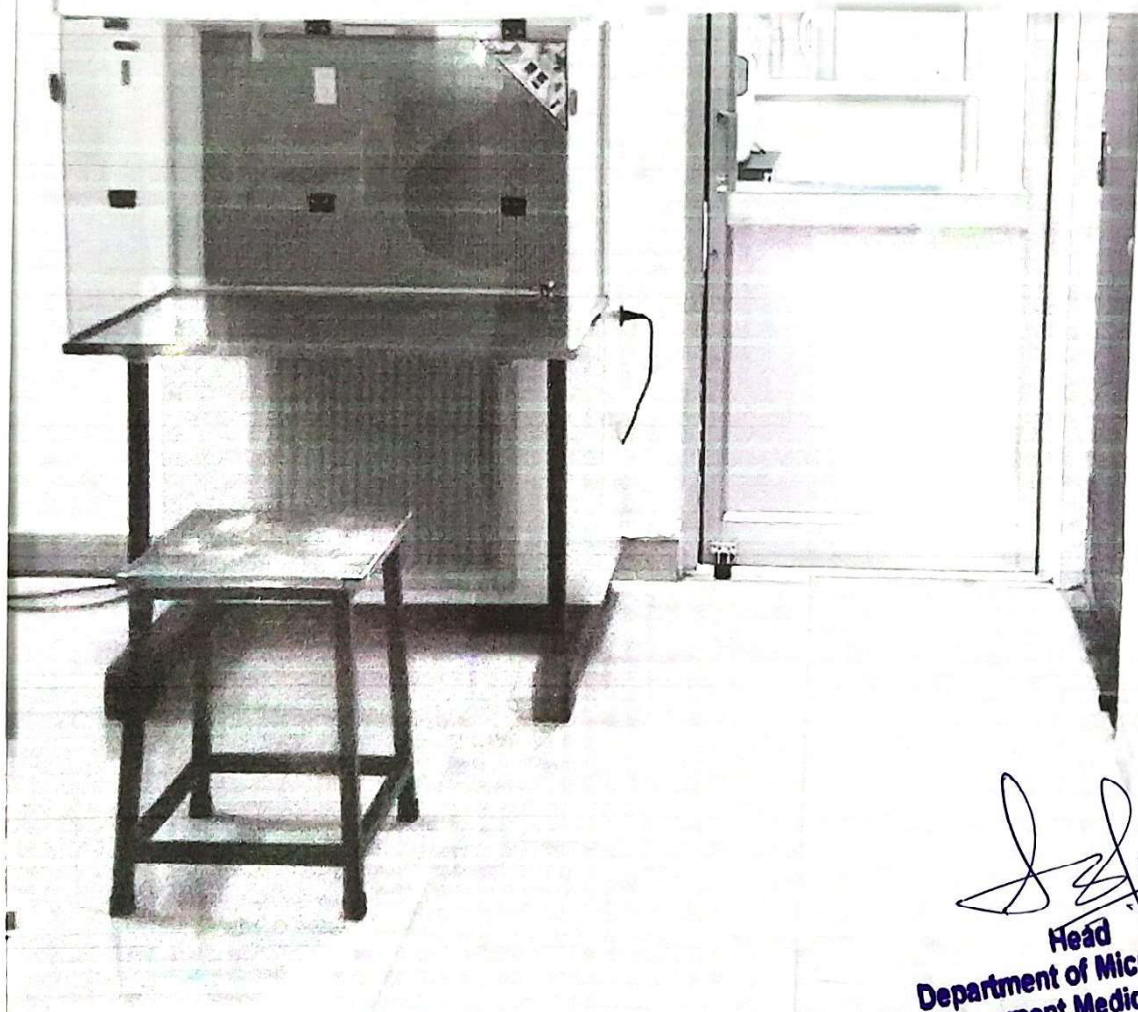
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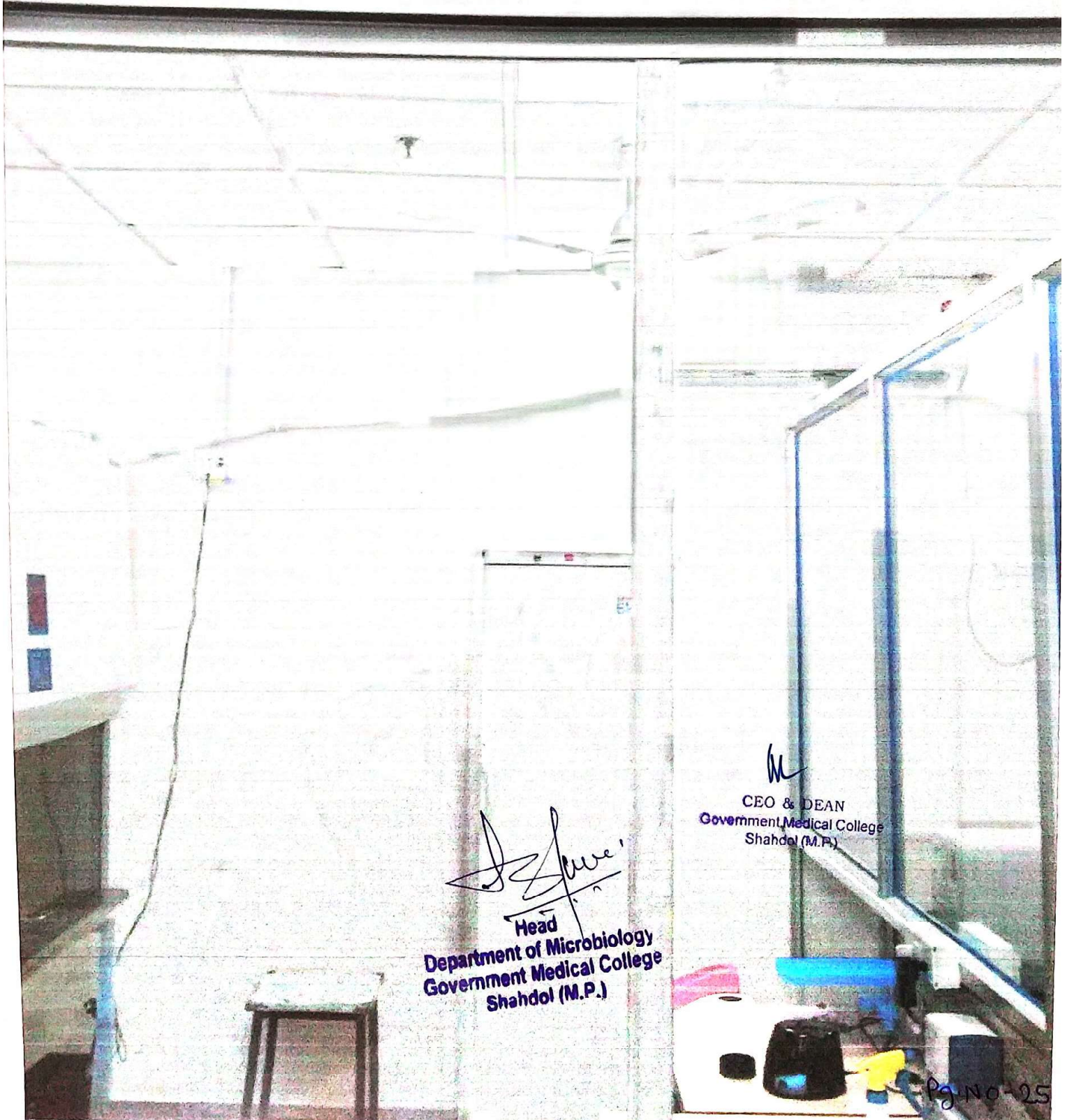


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# MASTER MIX PREPARATION ROOM



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