



(Established under Galgotias University Uttar Pradesh Act No. 14 of 2011)

Animal Research Facility Center (ARFC)

Starting from the unicellular organisms, a variety of animal species contribute each year to medical breakthroughs that save millions of human lives each year. Through research on these animals, scientists have discovered cure and prevention for a number of human and animal ailments. However, with the humane approach to the treatment of lives of the animals and development of alternative techniques, the wastage of animal lives has been remarkably prevented. But this rational use of animals is not enough. It is to be remembered, the fundamental principle is that animals must not be subjected to avoidable distress or discomfort. The other major responsibility of this facility is to ensure the persuasion of 3Rs (Replacement, Reduction and Refinement) of animal experimentation and the ethical principles of animal use are followed as per CPCSEA guidelines.


Animal research facility center, Galgotias University as an establishment is registered with 'Committee for the Purpose of Control and Supervision of Experiments on Animals, (CPCSEA)', Ministry of Environment, Forest & Climatic Change, Government of India for the Research for education, Research for the commercial purpose, Breeding for in-house use of small laboratory animals

1. CPCSEA Registration Animal House

The animal house facility has been registered by CPCSEA in 2019 and awarded the Registration No. (2087/PO/ReReBi/S/19/CPCSEA).

2. Institutional Animal Ethics Committee

All the experiments involving animals are approved by the IAEC which is constituted by CPCSEA. The IAEC meetings are held regularly to obtain ethical clearance for use of animals in academics and


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research. The facility maintains all relevant records to ensure compliance to the approvals granted by the committee and progress under each approved protocol is put up for review by IAEC regularly in each meeting.

3. Infrastructural Facilities

The structure of animal facility includes the approximately area 1500 square feet of different specified rooms are

Room No	Specifications
1	Visitor room, Change room
2	Achieve room/Office
3	Quarantine room
4	Breeding room
5	Experimental room
6	Rat room
7	Mice room
8	Rabbit room/ Guinea pigs' room
--	Storage room
--	Autoclaving area
--	Washing area

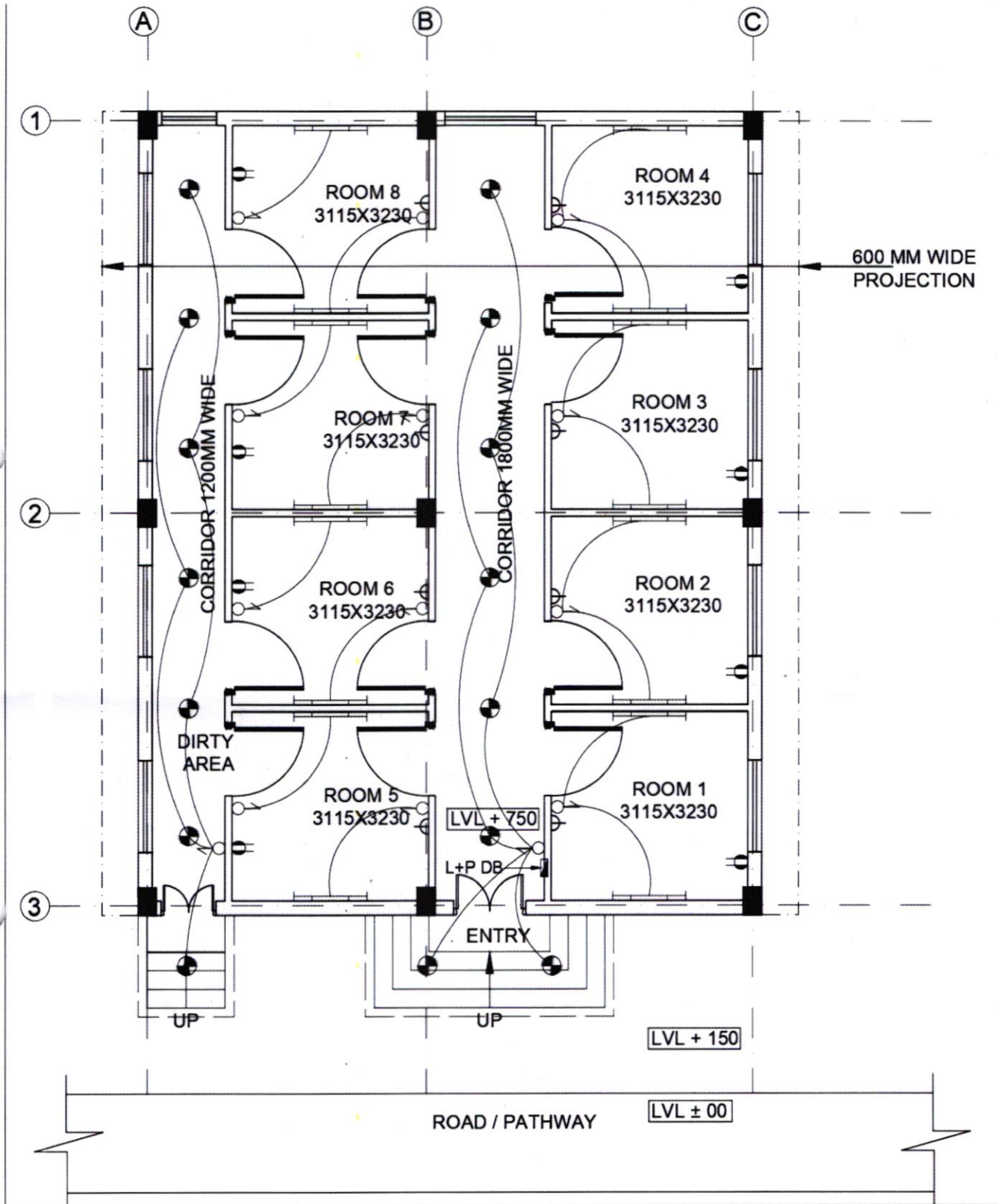



Fig. 1 Animal house structure plan details.


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4. Details of Animals Housed in the Facility

The animal facility centre provides the following small animals for the experiment and research purpose.

S. No.	Species	Strain
1.	Mice	Balb/C
2.	Mice	Swiss Albino
3.	Rat	Sprague Daw
4.	Rat	Albino Wistar
5.	Guinea Pigs	Ducan Hartley
6.	Rabbits	New Zealand White

5. Pharmacological and Toxicological Screening Facilities

Our facility is currently equipped to conduct the following screening procedures using various animal models.

- Acute, sub-acute and chronic toxicity studies of drugs
- Screening of analgesic, anti-inflammatory, anti-pyretic and anti-arthritis drugs
- Screening of anti-cancer drugs
- Screening of hepato-protective agents
- Screening of anti-diabetic drugs
- Screening of anti-ulcer drugs
- Screening of psoriasis model
- Screening of Pulmonary Fibrosis model
- Screening of anti-Parkinson agents
- Screening of pharmacokinetic (PK) study

6. Instrumentation Facility

In vivo Pharmacological/toxicological screening facility includes actophotometer, elevated plus maze, swimming test apparatus, y-maze, Hebb-william maze, rota rod, eddy's hot plate, analgesiometer and plethysmograph for behavioural screening. Basic equipment's such as pH meter, Deep freezer, homogenizer, centrifuge, microscope, calorimeter etc are also available.

7. Animal Care

The animal house is air conditioned and well protected against environment contamination. The animal house team comprises 3 staff members including a Scientist In-charge of Animal House facility, technical assistant and animal house attendant. The support staff ensures that every part of animal care including feeding, watering, restraining, cage cleaning, record keeping and ordering of animals, feeds and bedding materials.

8. Environment


The animals are being maintained under controlled environmental conditions as specified in CPCSEA guidelines with temperature maintained between 20-26 °C, relative humidity between 45-65 %, timer controlled 12:12 hr light dark cycle and 12-15% air changes per hour with 100% fresh air.

9. Veterinary Care

Veterinarian carries out regular health monitoring of all animals to ensure that they are free from contagious diseases. Necropsy and autopsy of suspected contagious/infectious animals are performed by the veterinarian and prophylactic measures are implemented.

10. Waste disposal

The bio-waste disposal procedure is followed as per CPCSEA guidelines by 'Biowaste Management Agency'.


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11. General Guidelines for Biomedical Waste Generator

1. The GENERATOR shall segregate the waste at the point of generation in accordance with the BMW (M&H) Rules 2016 and in compliance with the standards prescribed there under.
2. The GENERATOR shall collect and hand over the segregated BMW in plastic bags as stipulated by the State Pollution Control Board (SPCB) norms.
3. GENERATOR should ensure the availability of all consumables like bags, needle cutters, disinfectants etc. before the start of experimentations.
4. All the bags shall be sealed tightly and labelled as per the guideline by the GENERATOR and will be submit at collection point within the generator premises.
5. The GENERATOR shall disinfect the sharps, mutilate them and hand over in Puncture Proof Containers to collection personnel.
6. The GENERATOR shall take all steps to ensure that the waste is handled without adverse effects to human health and environment.
7. The GENERATOR shall deposit on our secured waste collection point at BMW Collection Centre of GU on or one day before by 10 AM sharp.
8. The GENERATOR shall furnish annual report on "Form-IV" regarding generation, collection and storage of BMW in the prescribed format to State Pollution Control Board.
9. The GENERATOR shall maintain all the relevant records and make reports of the accidents to SPCB, if any, on "Form-I" as prescribed under the rules.
10. The GENERATOR may contact to Animal House, In-charge for any quarry or issue related to waste generation etc. For this you may also contact to Dr Amit Singh, on mobile +91 9958538678.


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No.: 25/12/2017-CPCSEA
Government of India
Ministry of Fisheries, Animal Husbandry and Dairying
Department of Animal Husbandry and Dairying
O/o Committee for the purpose of Control and Supervision of Experiments on Animals

Krishi Bhawan, New Delhi-110001
Date: 06/Dec/2019

To,

Prof P K Sharma, Chairperson IAEC
Galgotias University,
Plot No. 02, Sector-17A, Yamuna Expressway,
G.B. Nagar, Greater Noida, pin-201310
Mobile: 9899526752, E-mail: pkpharmacy@gmail.com

Subject: Revision in IAEC / Change nominee- Regarding
Sir.

This is with reference to your request on the above mentioned subject: the IAEC of your establishment is being revised by including **Prof. Dr. Babita Kumar as Scientist from out side of the Institute in place of Dr. Amit Singh**. Accordingly, new revised IAEC of your establishment would be as under:

S.No.	Name of the IAEC Members	Designation in IAEC
1	Prof P K Sharma	Biological Scientist, Chairperson
2	Ramji Gupta	Scientist Incharge of Animal House Facility, Member Secretary
3	Dr.Amit Singh	Scientist from different biological discipline
4	Mukesh Kumar	Scientist from different biological discipline
5	Aditi Tiwari	Veterinarian
6	Dr. Shikha Yadav	Main Nominee
7	Dr. Jagannath Sahoo	Link Nominee
8	Prof. Dr. Babita Kumar	Scientist from outside the Institute *
9	Mrs. Smita Srivastava	Socially Aware Nominee

(* Revision)

2. It is stated that only above approved IAEC members shall sign, with date, on the attendance sheet of the IAEC meetings, and decisions will be taken only in meetings where quorum is complete. The quorum for holding IAEC meeting is six(6), and Main Nominee, Scientist from outside of the Institute and Socially aware must be present in such meetings. Link Nominee can attend in case main nominee conveys his unavailability in writing to the chairman IAEC. However, link nominee should be invited once in a year to update him/her about the activities of IAEC. Any decision taken in the meetings of IAEC without quorum shall be considered invalid.

3. The above composition of IAEC is valid upto the validity of registration period i.e. 25/11/2024.

Yours faithfully,



(Dr. S. K. Dutta)

Member Secretary (CPCSEA)

Copy for information to Nominees of CPCSEA:

- 1Dr. Shikha Yadav, Main Nominee
- 2Dr. Jagannath Sahoo, Link Nominee
- 3Prof. Dr. Babita Kumar, Scientist from outside the Institute
- 4Mrs. Smita Srivastava, Socially Aware Nominee

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5. CPCSEA hereby nominates the following members to the Institutional Animals Ethics Committee (IAEC) of your establishment:

Nominee Detail	Nominated as
1) Dr. Shikha Yadav Scientist & Head, Animal Facility, National Institute of Biologicals, (Ministry of Health & Family Welfare), A-32, Sector-62, (Institutional Area), Noida-201 307, Uttar Pradesh Contact No :9810938666 Email :shikhayadav7@gmail.com	Main Nominee
2) Dr. Jagannath Sahoo Principal, KIET School of Pharmacy, Ghaziabad-Meerut Highway (NH-58), P.B. No. 02, Ghaziabad - 201206, Uttar Pradesh Contact No :9458888544 Email :drjagannathsahoo@gmail.com	Link Nominee
3) Dr. Amit Singh III - F, 304, Rakesh Marg, Nehru Nagar, Ghaziabad - 201001, Uttar Pradesh Contact No :9958538678 Email :amit21may@rediffmail.com	Scientist from out side of the Institute
4) Mrs. Smita Srivastava 241, Windsor Greens, F28, Sector 50, Noida - 201301, Uttar Pradesh Contact No :09811558552 Email :smitask@hotmail.com	Socially aware Nominee

(Please note that any change in IAEC members can be made only with prior approval of CPCSEA.)

6. You are requested to convene the meeting of the constituted IAEC within 30 days and forward the Minutes of the meeting to the O/o CPCSEA, New Delhi.

7. In addition, it is to inform you that only above approved IAEC members shall sign, with date, on the attendance sheet of the IAEC meetings, and decisions will be taken only in meetings where quorum is complete. The quorum for holding IAEC meeting is six (6), and Main Nominee, Scientist from outside of the Institute and Socially aware must be present in such meetings. Link Nominee can attend in case main nominee conveys his unavailability in writing to the chairman IAEC. However, link nominee should be invited once in a year to update him/her about the activities of IAEC. Any decision taken in the meetings of IAEC without quorum shall be considered invalid.



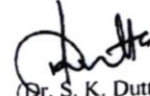
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8. Further, it is to inform you that the IAEC is required to be reconstituted at the time of renewal of registration as per CPCSEA guidelines. Therefore, the IAEC of your establishment is valid up to the validity of Registration.

9. It is also to inform you that before commencing any research on large animals you are required to send the research protocols with due recommendation of IAEC to CPCSEA for their approval (Procedure for submission of Research Protocols is available on the Website of CPCSEA).

Yours faithfully,



(Dr. S. K. Dutta)

Member Secretary (CPCSEA)

Copy for necessary action to: Nominees of CPCSEA.

The Main Nominee is requested to ensure conduct of the IAEC meetings as stipulated in the SOP and to furnish the Annual Inspection Report of the Animal House Facility regularly to the O/o CPCSEA.


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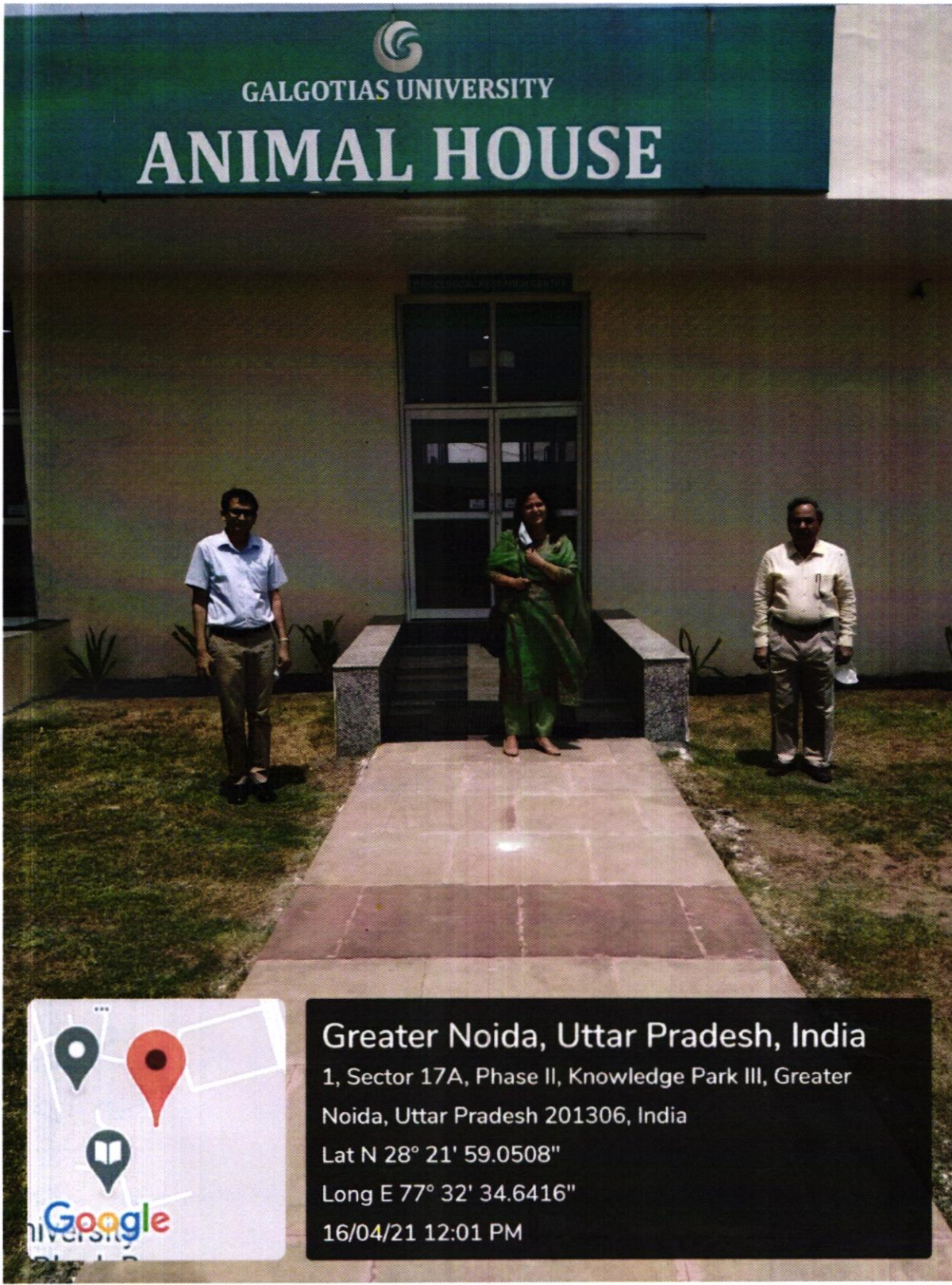



Fig. 2 Animal house facility entrance at Galgotias university campus.


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Fig. 3 Visitor room at animal house facility.


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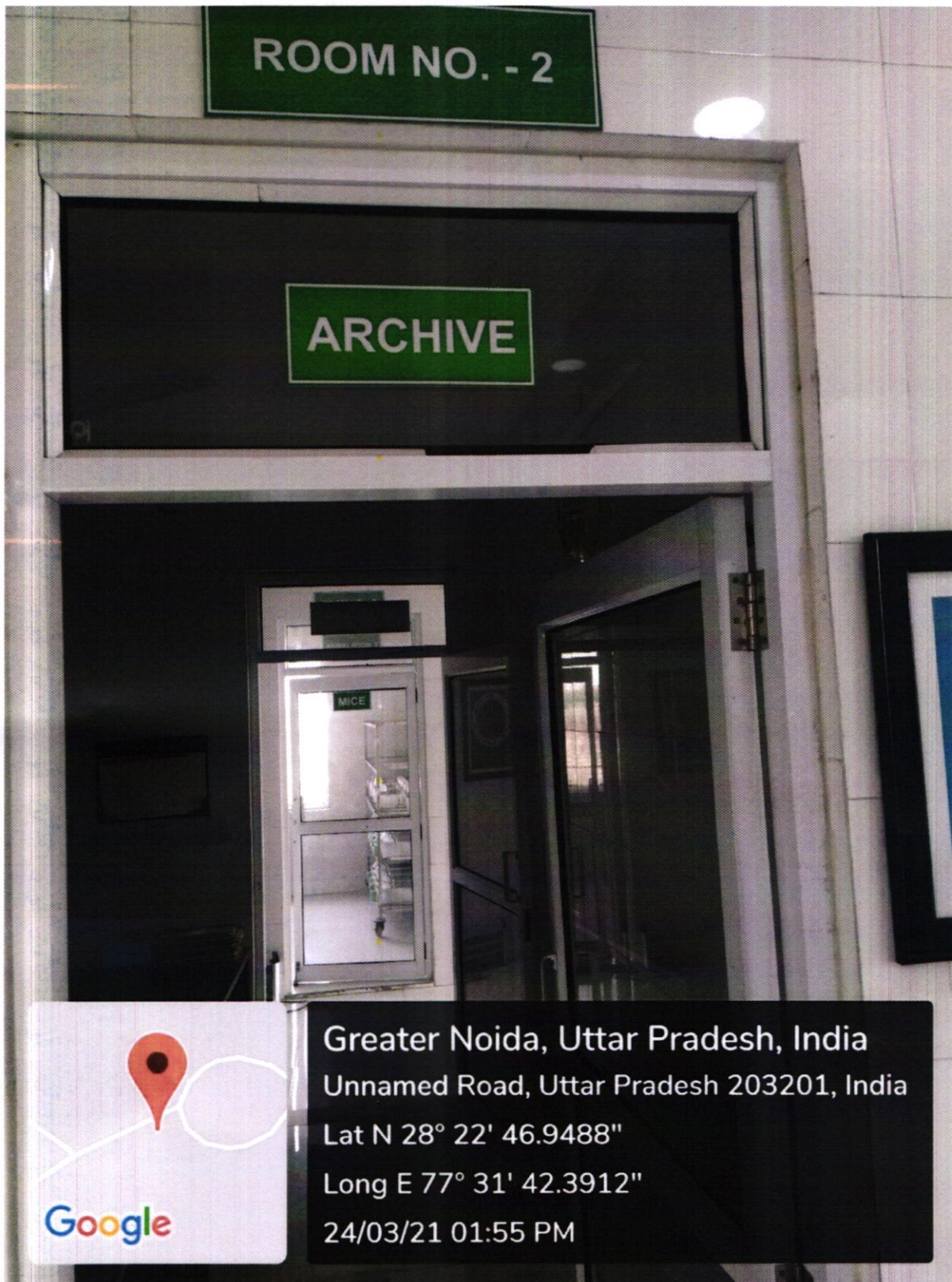


Fig. 4 Archive room of animal house.


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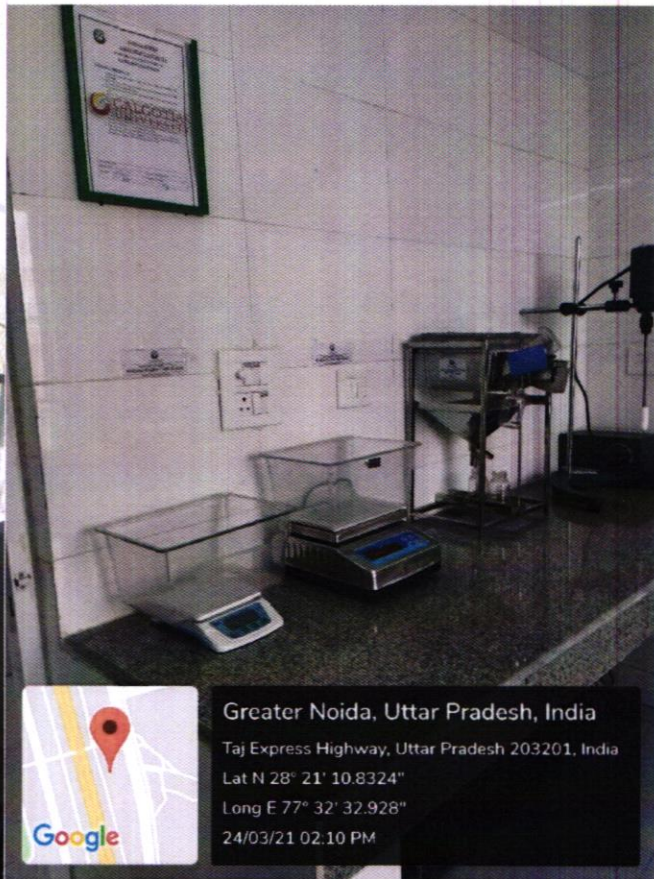
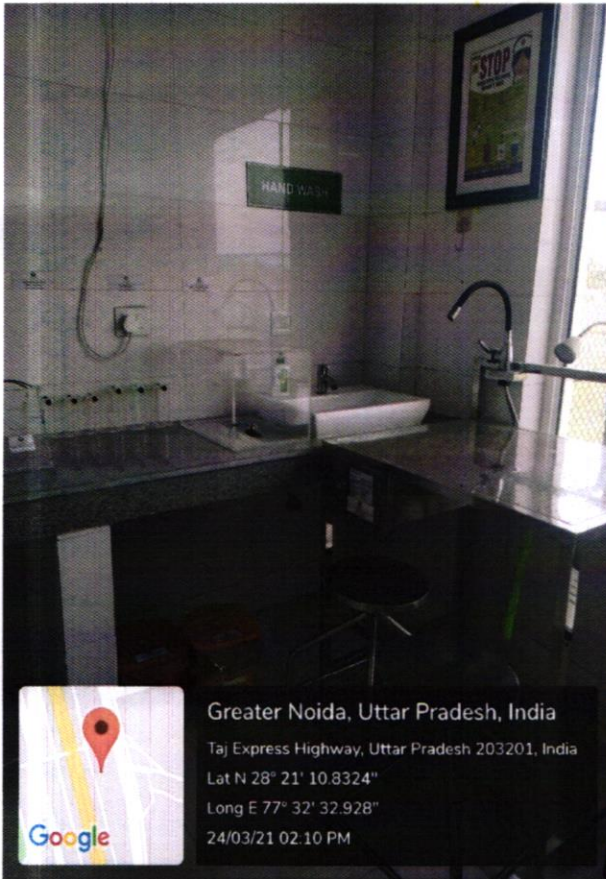
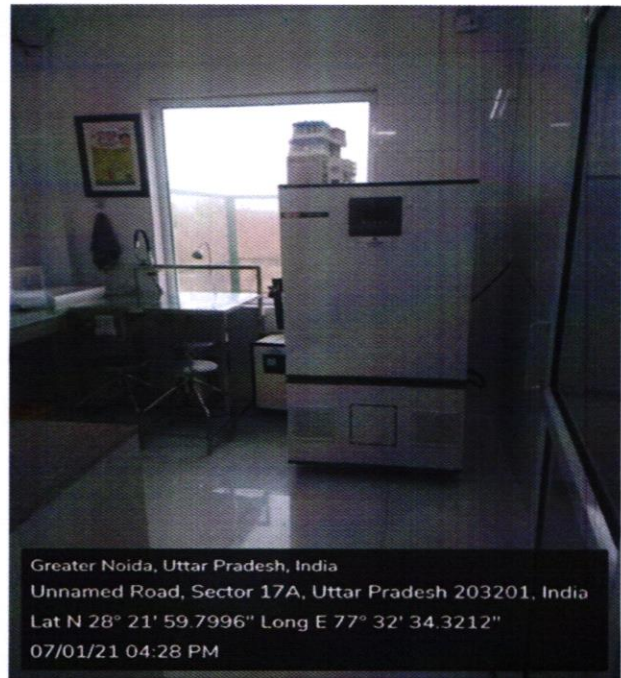
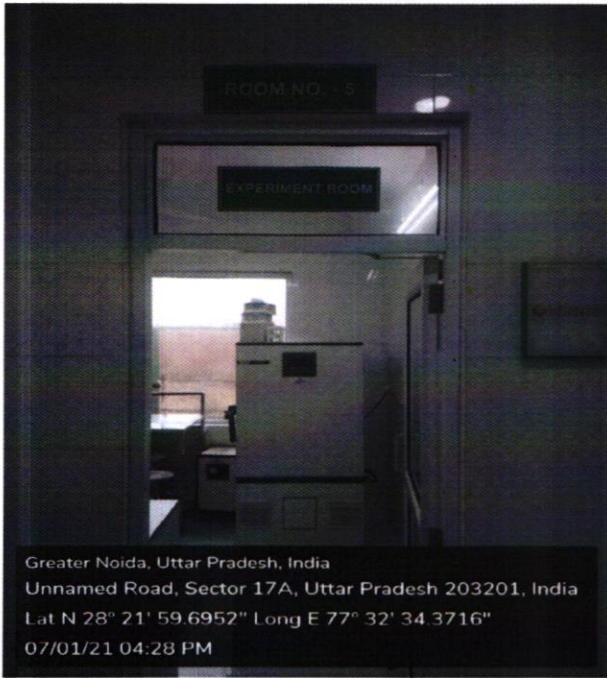

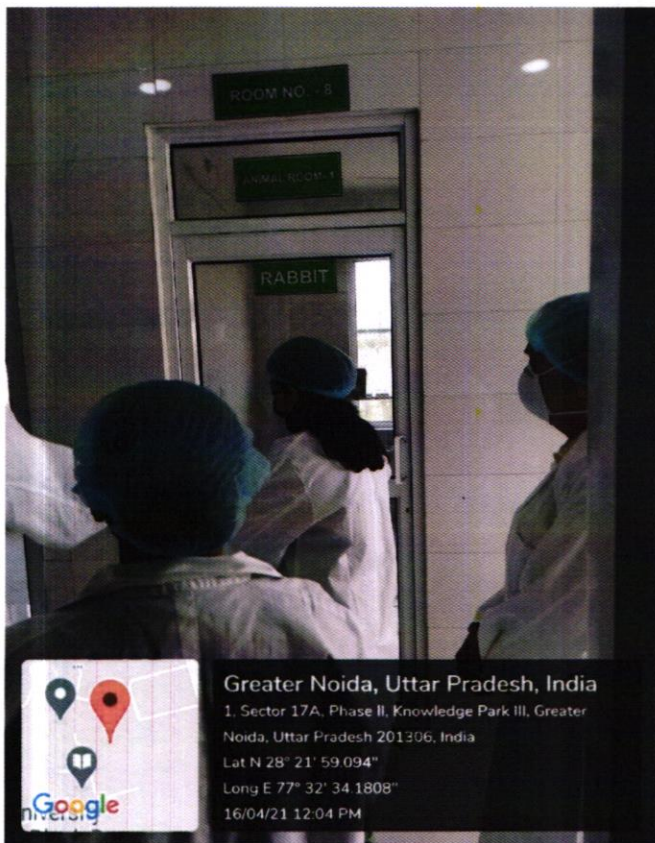


Fig. 5 Experimental room at animal house.


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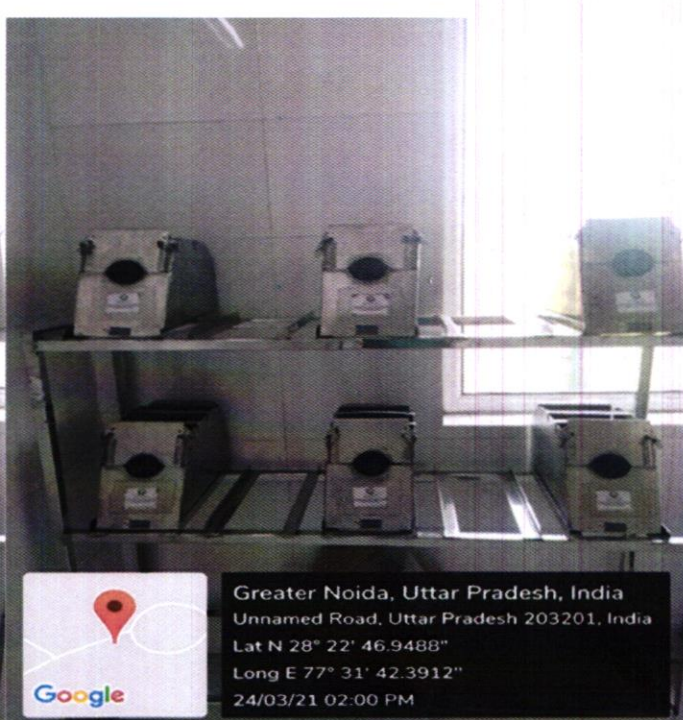
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Fig. 6 'Rabbit' and 'Guinea pig' room at animal house facility.

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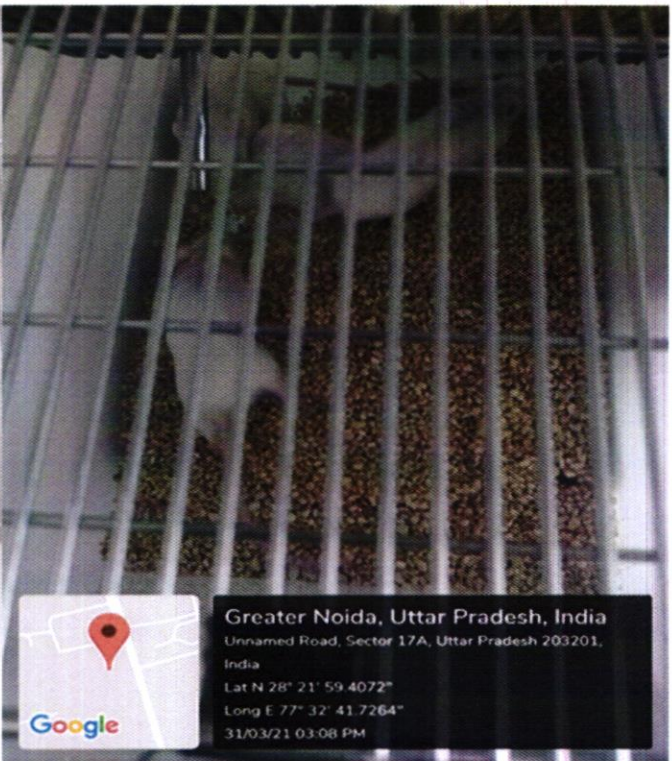
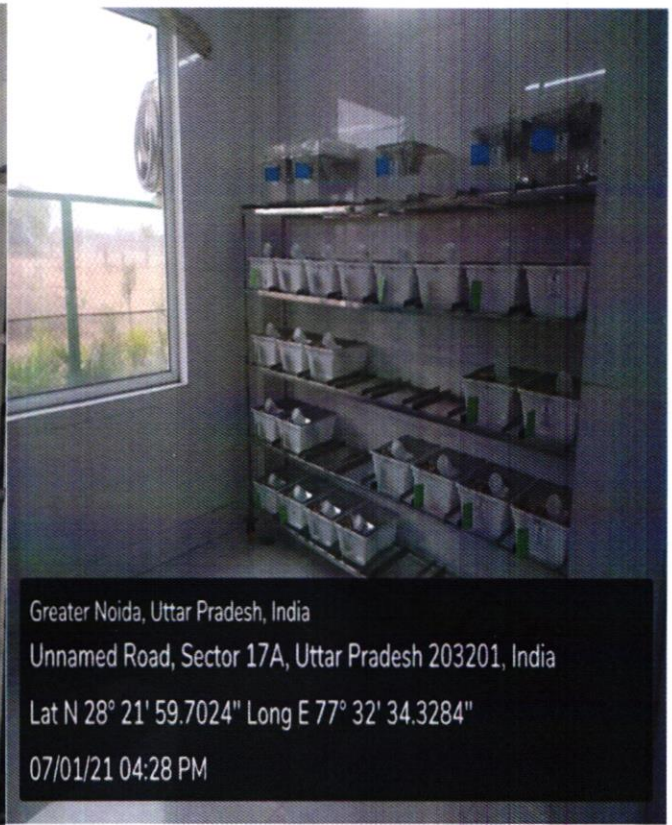
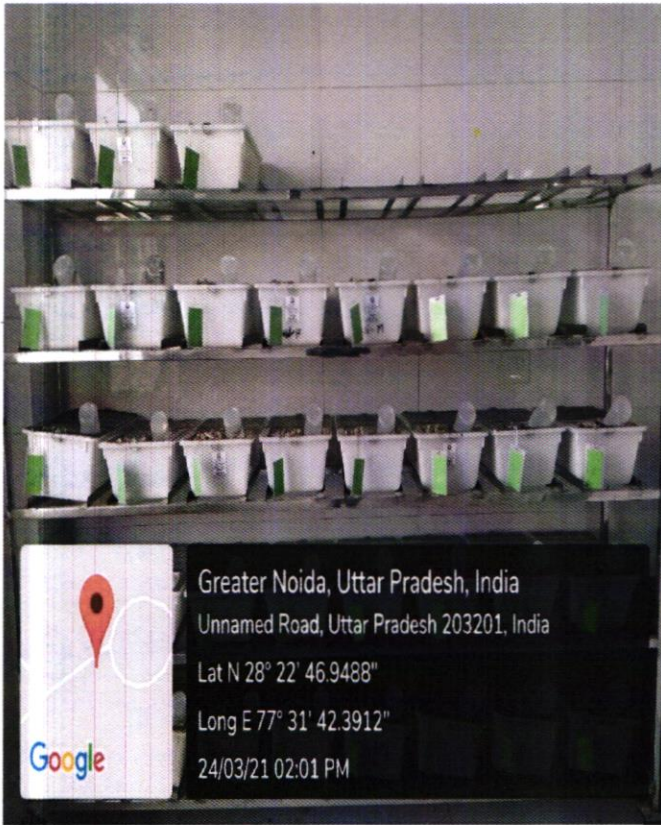


Fig. 7 'Rat' and 'Mice' room facility room at animal house.

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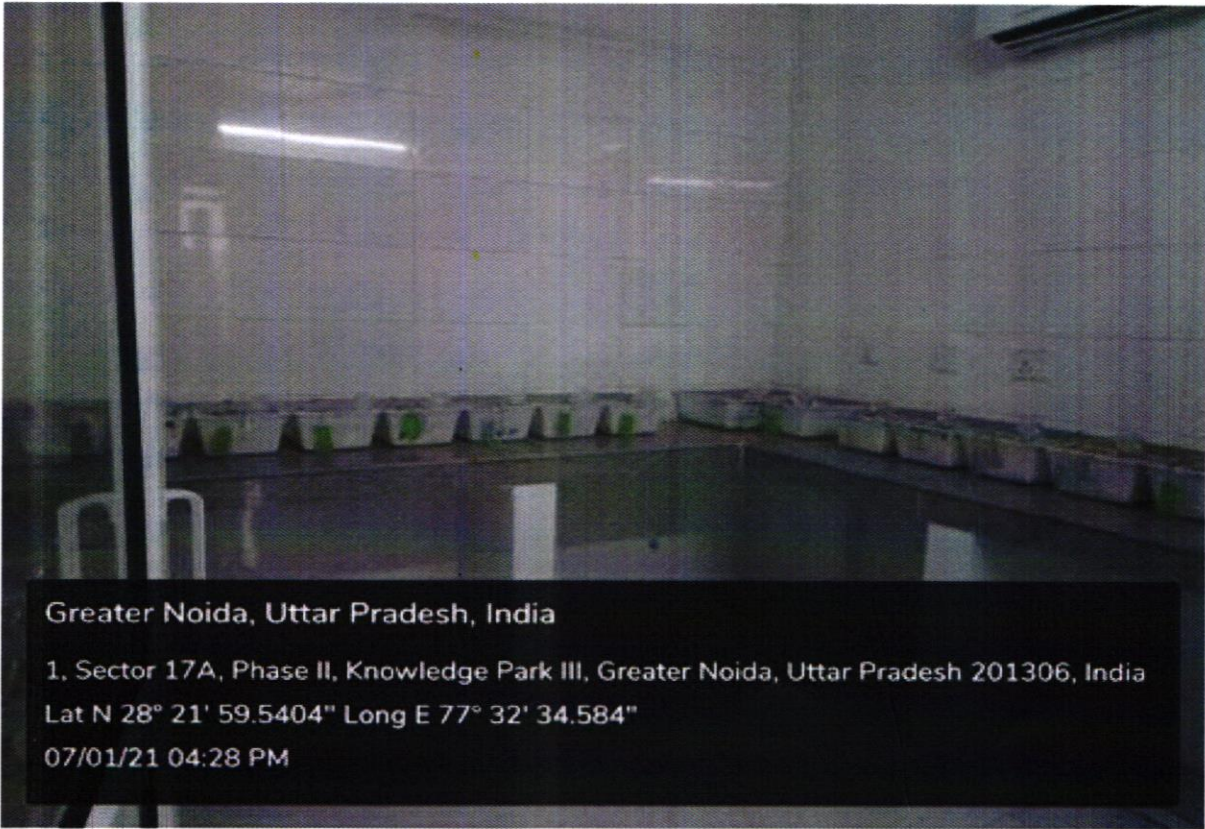



Fig. 8 Breeding room facility at animal house.


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