



(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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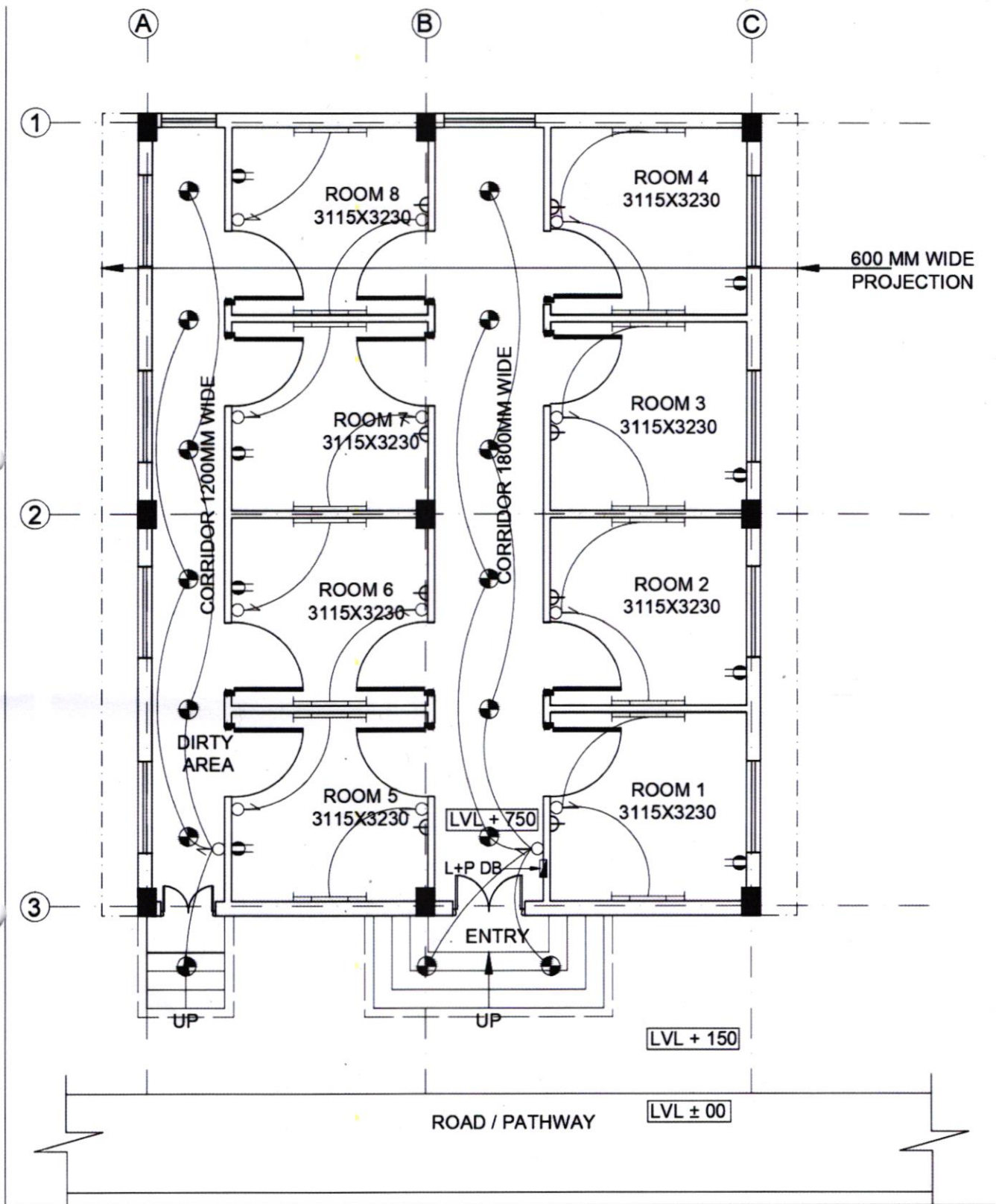


research. The facility maintains all relevant records to ensure compliance to the approvals granted by the committee and progress under each approved protocol is put up for review by IAEC regularly in each meeting.


### 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