APPENDIX-L

To be issued by the Controller of Examinations, R.U.

RANCHI UNIVERSITY, RANCHI

FORMAT FOR THE APPROVAL OF INSTITUTIONAL ETHICAL COMMITTEE

Programme (Please tick one): ☐ M.Sc. Dissertation ☐ Ph.D. ☐ D.Litt. ☐ D.Sc.

Others: .....

A. Protocol form for research proposals:

To be submitted to the 'Institutional Animal Ethics Committee' for new experiments or extensions of ongoing experiments using animals other than non-human primates.

1. Name of the Scholar/PI: .....
2. Registration number and date of registration: .....
3. Telephone/Cell No: .....E-mail: .....
4. Project/Dissertation/Thesis Title: .....
   .....
   .....
5. Name of the Supervisor: .....
6. Research experience in years: .....
7. Name and address of the Department: .....
   .....
8. Telephone/Cell No: .....E-mail: .....
9. Name of the co-Supervisor/co-PI (if any): .....
10. Research experience in years: .....
11. Official Address of the co-Supervisor/co-PI: .....
    .....
12. Telephone/Cell No: .....E-mail: .....
13. Place where the animals are presently kept,
    or proposed to be kept, If required: .....
14. Place where the experiment is to be performed: .....
15. Type of research involved (Basic Research/Extended Research viz: Exploratory/ Confirmatory Research): .....
16. List of names, designation, research experience and official address of all individuals authorized to conduct procedures under this proposal (attach separate sheet, if required).
    .....

B. Funding source

Mention the Funding source: .....

Complete address (Please attach the proof): .....

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C. Dates & Duration of the project

Date of Pre-registration seminar: ..... Number of Months required for the work: .....

Date of initiation of the animal research: ..... (after DRC approval)

D. Detailed study plan may be given (attach separate sheet, not more than one page)

Please provide a brief description of the project, in layman's language. Incorporating the following information:

i. Background including work done in the area and review of literature clearly indicating the lacunae in literature.
ii. Main objectives of research to be carried out and its relevance to science and human health.
iii. Provide References/ Bibliography of work done in the area of your proposed research.

E. Animals required

i. Species/Common name: .....
ii. Weight/size of animal: .....
iii. Mention the gender of the animal: .....
iv. Number of days/days/months/years each animal will be housed: .....
v. Proposed source of animals: .....

F. Rationale for animal usage (attach separate sheets, if required)

i. Why is animal usage necessary for these studies/ to be performed on animal(s) model?
.....
.....
ii. Mention clearly why the particular species selected is required? .....
.....
.....
iii. Why is the estimated number of animals essential? .....
.....
.....

G. Describe the procedures to be used.

i. Furnish details of the injection schedule, doses & sites of administration of substances to be given during experiments.

Substances: .....

Doses: .....

ii. Please provide a brief description of similar studies from in vitro/ in vivo (from other animal models) on the same/similar test component or line of research. If enough information is available, justify the proposed.

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iii. Does the protocol prohibit use of anaesthetic or analgesic for the conduct of painful procedures (any which cause more pain than that associated with routine injection or blood withdrawal)? If yes, provide an explanation and justification.

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iv. Will survival surgery be done?

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a. List and description of all such surgical procedures (including methods of asepsis) and use of pre-anaesthetics.
b. Mention clearly the recordings for the vital statistics of the animal during surgery.
c. Names, qualifications and experience levels of operators
d. Description of post-operative care.
e. Justification if major survival surgery is to be performed more than once on a single individual animal.

[Permissible anaesthetics are (i) Isoflurane (ii) Ketamine & Xylazine (iii) Sodium thiopentone]

v. Methods of disposal post-experimentation

a. Euthanasia (Specific method): Permissible are
    a. Overdose of Sodium Thiopentone (3 times the anaesthetic dose)
    b. $C0_2$ chamber
    c. Cervical dislocation; write as applicable.
b. Method of carcass disposal (Through Bio-waste service provider or personal disposal):

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c. Rehabilitation (Mention clearly if required):.....

vi. Animal transportation methods if extra-institutional is envisaged: .....

(Air-conditioned vehicle with provisions for proper caging, bedding, feed and water shall be used for the transportation of the laboratory animals, if required)

H. Use of hazardous agents

i. Use of recombinant DNA-based agents or potential human pathogens requires documented approval of the Institutional Biosafety Committee (IBC).

ii. For each category, the agents and the biosafety level required, appropriate therapeutic measures and the mode of disposal of contaminated food, animal wastes and carcasses must be identified.

   a. Radionuclides
   b. Microorganisms/ Biological infectious Agents
   c. Hazardous chemicals or drugs
   d. Recombinant DNA
   e. Any other (give name)

iii. If your project involves use of any of the above, attach a copy of the minutes of the IBC approving while submitting the project.

iv. If your project doesn't involve use of the above, mention not applicable.

INVESTIGATOR'S DECLARATION

1. I certify that I have determined that the research proposal herein is not unnecessarily duplicative of previously reported research.
2. I certify that I am capable of conducting experiments on animals.
3. For procedures listed under item G (iii), I certify that I have reviewed the pertinent scientific literature and have found no valid alternative to any procedure described herein which may cause less pain or distress.
4. Certified that performance of the experiment will be initiated only upon review and approval of scientific intent by the appropriate expert body i.e. DRC.
5. I shall maintain all the records.

Place: ..... Signature

Date: ..... Name of the Investigator