

Committee for Purpose of Control and Supervision of Experiments on Animals (CPCSEA)

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CPCSEA



- Committee for the **P**urpose of **C**ontrol and **S**upervision of **E**xperiments on **A**nimals (CPCSEA)
- Statutory body formed by the Act of the Indian Parliament under the **Prevention of Cruelty to Animals Act**, 1960
- Formed in **1964**
- Revived in **1998**, under the committed chairpersonship of Meneka Gandhi
- Head quarters at **Chennai**
- Includes various guidelines and sub committees

CPCSEA



- National level expert committee to scrutinize and approve the research projects conducted using animals.
- Introduced a national “Good Laboratory Practice” document
- Introduced the credo of **3R principles**
- 2004 – CPCSEA officially accepts the concept of the 4th R

“investigators have a moral responsibility to take care of laboratory animals after use”

CPCSEA

This committee is composed of

- ✓ Members of the scientific community
- ✓ Regulatory authorities
- ✓ Animal activists.
- ✓ The committee has 10 experts and 3 official members

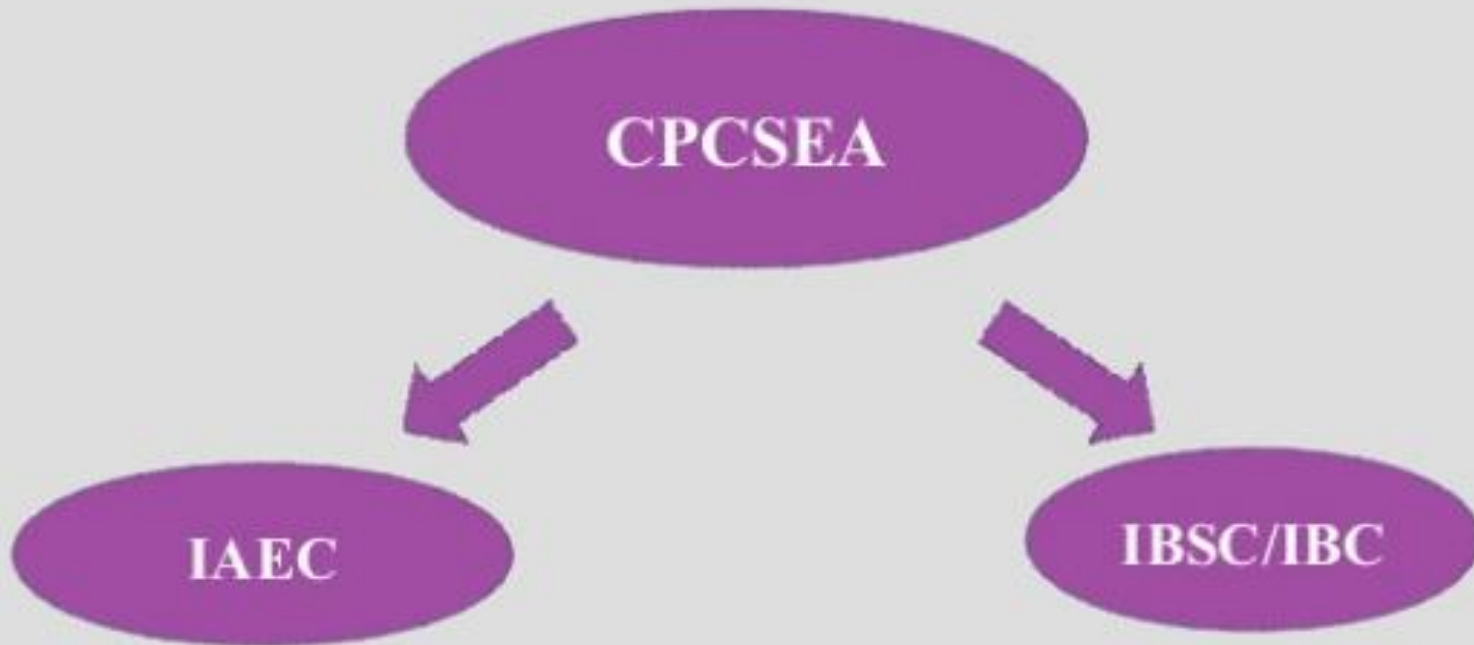
Ministry of
Environment and
Forests
(Animal welfare)

CPCSEA

IAEC

IBSC/IBC

IAEC: Institutional animals ethical committee
IBSC/IBC: Institutional biosafety ethical committee



CPCSEA and IAEC



- ❖ Role of CPCSEA is to monitor animal experiments through ethics committees set up in institutions (IAEC)
- ❖ CPCSEA Nominee –important link between CPCSEA and IAEC
- ❖ IAEC scrutinize all project proposals for experimentation on animals.
 - ✓ For small animals- give the final approval
 - ✓ For large animals- make its recommendation to SCLA (**Sub-Committee on Large Animals**)

IAEC composition

- ▮ --**A Biological Scientist.**
 - ▮ --**Two Scientists from different bio disciplines.**
 - ▮ --**A Veterinarian involved in care of Animals.**
 - ▮ --**Scientist In-Charge of Animal House Facility.**
- The Chairman (preferably Head of the Institution / Department) and Member Secretary need to be nominated from the above five members.
 - Other members : Main Nominee, Link Nominee, Scientist from outside and Socially Aware Nominee nominated by CPCSEA.
 - The validity of IAEC is for 3 years.

CPCSEA



Goals:

- To promote the humane care of animals used in research.
- To provide specifications that will enhance animals well being and quality of research.

Objective:

- Effective functioning of Institutional animal ethical committee

Main Activities



- ❖ Registration of establishments
 - ✓ for experiments on animals
 - ✓ for Breeding of animals

- ❖ Approval of Animal House Facilities

- ❖ Permission of Committee for Conducting Experiments

CPCSEA guidelines



Veterinary care:

- ✓ Provided by a veterinarian
- ✓ Daily observation of animals adopted

Quarantine, Stabilization and Separation:

- ✓ **Quarantine** period for small lab animals : one wk to one mth-
large lab animals : up to 6 weeks
- ✓ Physiologic, psychological and nutritional **stabilization** required
- ✓ Physical **separation** of animals by species to prevent anxiety and behavioral changes

Animal procurement and transportation



- ❖ Procurement of animals done from established commercial animal vendors.
- ❖ During transport, stress avoided by:
 - ✓ Use of transport containers (cages or crates) of appropriate size
 - ✓ Permissible number of animals accommodated in each container



Experimental area:

- Experiments should be carried out in a separate area away from the place where they are housed.
- Separate functional areas for
 - ✓ surgical support
 - ✓ treatment of animals
 - ✓ post operative and intensive care

Physical facilities



Building materials	Durable, moisture- proof, fire resistant and pest resistant
Corridor(s)	Wide enough to facilitate the movement of personnel and equipment
Animal room doors	Should fit properly , should not be rust
Exterior windows	Windows are not recommended
Floors	Smooth, moisture proof , nonabsorbent, skid proof floors
Drains	Proper drainage, Floors should be sloped
Storage areas	Designed for feed, bedding, cages and materials not in use.

Environment



Temperature
Humidity control

between 18-29° C
range of 30-70%

Ventilation

designed with 12-15 air cycles per hour.

Power and lighting

System should be safe
Fluorescent lights are efficient
Emergency backup needed

Noise control

noise free environment
Concrete walls are more effective