

**THE RECOMMENDATIONS OF THE SUB-COMMITTEE ON
REHABILITATION OF ANIMALS AFTER EXPERIMENTATION SET UP BY
CPCSEA**

- (i) The cost of aftercare and/or rehabilitation of animals post-experimentation are to be part of research costs and should be scaled per animal in positive correlation with the level of sentence of the animals.
- (ii) ******The average costs of rehabilitation and aftercare of different species of animals were thereafter worked out based on the actual average expenses incurred by various institutions. The Sub Committee was of the view that the following minimum amounts may be necessary for maintenance of animals after experimentation (for feed and husbandry but not including infrastructure and other overheads). *However, this may be reviewed once in two years, if required. The rehabilitation of small animals is not necessary.*

<u>Species</u>	<u>Minimum cost per day per animal (In Rs.)</u>
Dogs/Cats	20
Sheep/Goats	15
Cattle	25
Horse	25
Monkey	25

In the context of amended Rule 9 (cc) which provides for provision of a lump sum amount as costs for rehabilitation and care of such animals to cover its entire statistical expected life span, the Sub Committee discussions indicated that provision of a lump sum amount, payable to an AWO, would not cover the possibility that the animal may not actually live for its statistically expected lifespan. Accordingly payments at intervals, as also annual confirmation regarding the well being of the animal may be required.

Rule 9(cc) of the Breeding of and Experiments on Animals (Control and Supervision) Amendment Rules 2006 also provides for the AWOs to be under the control of the Committee. However, given the administrative structure of CPCSEA and the fact that proper scrutiny and registration of AWOs is already being done by AWBI, prior to release of grants, the Sub Committee was of the view that AWOs should be shortlisted from amongst those AWOs already registered with AWBI, on the basis of a well defined selection criteria.

- (iii) Since the basic responsibility for rehabilitation of the animals after experimentation was of the concerned establishment, Government may contribute financial support for rehabilitation of animals by NGOs or other institutions only under available animal welfare schemes.
- (iv) Breeding of animals, post-experimentation should not be allowed.
- (v) For animals recommended for euthanasia post-experimentation, the relevant criteria could be that:

- (a) the animal is not able to perform its natural functions and left in pain & suffering.
- (b) the animal has been exposed to contagious/infectious diseases of zoonotic importance.
- (c) the animal has been exposed to radioisotope experiments.

In other cases, animals would have to be rehabilitated by the concerned institute unless they are fit for transfer to NGOs **or other institutions**.

Thus the Sub Committee was of the view that the possibility of the same animal being diverted for further use in scientific experimentation by another institution, should also be considered, as this would avoid use of additional animals. This could be operationalised by a scientific method of identifying each animal, and by putting in place a mechanism whereby details of experimental animals available with institutions, could be made available to other institutions for examining their suitability for further use. *The IAEC of the concerned institution will consider the issue as per existing norms and guidelines and forwarded its recommendation to the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) for consideration.*

- (vi) A format for maintaining health records of experimental animals has been devised, which will facilitate transfer of animals among institutions as well as to NGOs (**Annexure-I**).
- (vii) ICMR agreed to develop a web solution for facilitating exchange of details of animals available post-experimentation.

Regarding the ethical aspect of reuse of an animal, this is permitted in many countries, though sometimes with conditions eg not subjecting the animal more than once, to experiments involving severe pain, distress or suffering.

- (viii) A checklist for selection of NGOs for rehabilitation of experimental animals was also prepared (**Annexure-II**). *The agencies/NGOs and their Animal House Facilities must be registered with Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) and should satisfy the conditions laid down by Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) in this regard. The permanent identification marks eg tattooing must be done before rehabilitation of animals.* Further, once an institute handed over an animal to an NGO, it would be the responsibility of the NGO to ensure the well being of the animals, with annual inspection by the concerned institution. In case, it is necessary to transfer an animal out of the charge of the NGO, the concerned institute will be responsible for ensuring the continued well being of the animal.
- (ix) Since the concerned institute is otherwise required to look after or maintain animals post-experimentation, they would reach an agreement directly with the concerned NGO regarding any reimbursement for handling the animals, apart from any assistance that NGO may obtain directly from AWBI/any other source. Modalities for transfer of experimental animals would be handled directly between concerned institute/NGO and no guidelines would be required to be formulated except stipulating that all existing animal laws would be followed.
- (x) As regards the generic guidelines in respect of small animals, the mandate for examining proposals relating to small animals is with the IAECs.

** the animals which are presently out of experimentation and need instant rehabilitation prior to the notification of the Rehabilitation guidelines, will be provided a lump-sum amount by the establishments on the basis of types of animals, their health status and remaining lifespan of such animals, to the agencies. For the animals which are in experimentation and will be rehabilitated after their use by the establishment, the payment for maintenance of such animals will be made annually till the survival of the animals by the concerned organization, on the basis of demand made by the rehabilitating agency.

Experimental Animal Health Records

Instructions and guidelines

It is expected that all registered animal houses (for breeding or for conducting experiments) should adopt an institutional policy for animal welfare and implement the code of practice at different stages of animals under their custody. One of the most important aspects of this is to compilation and maintenance of accurate records relating to animal admissions, treatment, health, experimentation and rehabilitation. Records pertaining to these aspects provide valuable information and facilitate inspection at all times.

The following forms will help in achieving the objectives in line with the policy.

1. Items that are marked (*) in the forms are optional. However if information is available it should be presented
2. These forms are to be filled up only by designated persons and signed by appropriate authority
3. As an archival policy of the institute these forms should be available in the animal facilities for at least 10 years for inspection and data preservation.
4. Copies of the data pertaining to large animals at different phases need to be submitted to CPCSEA office mainly information on acquiring source, completion of experiment and number of animal saved
5. As per the current CPCSEA regulations permissions for experimentation in large animals is obtained from the central sub committee with recommendation routed through IAEC of the institute and it is important to mention the reference number of the approval in these forms.
6. Date of initiation and date of termination mentioned in the form is as per IAEC approval.

Following forms are compulsory for rehabilitation

1. **Pre Experimentation details of Animal for Transfer to Rehabilitation**
Form is for maintaining records of animal's origin, treatment and tests performed during quarantine by the acquiring institution prior to experimentation signed by a veterinarian.
2. **Experimentation details**
Form is for maintaining records pertaining to animal experimentation to know the kind of material handled during experimentation and protocols followed signed by principal investigator.
3. **Post Experimentation Details of Animal & Suitability Certification**
Form is for maintaining records of animals after performance of experimentation for its continuation either for next experiment or for rehabilitation signed by veterinarian.
4. **Transfer Certificate for Rehabilitation**
Form is for certifying suitability for rehabilitation authorized by a veterinarian

Following forms should be maintained for supportive information

1. Tuberculin Testing
2. X – Ray
3. Body Weight
4. Parasitology
5. Microbiology
6. Treatment
7. Surgery
8. Research and Experimentation
9. Blood drawn
10. Hematology
11. Menstrual cycle

Forms such as Postmortem details and Histopathology are essential to be maintained for all animals that have been sacrificed in experiments and died during rehabilitation. In addition, institutions are required to maintain records pertaining to regular transfers within the institution for any experimentation or for any rehabilitation program.

A unique identification number is followed in all these forms for uniformity in every institution. The number to be placed in the appropriate box based on the following:

I Species:

- 01 Dog
- 02 Monkey
- 03 Cat
- 04 Sheep
- 05 Goat
- 06 Cattle
- 07 Horse
- 08 Any other

II Sex

- M Male
- F Female

III Year of Birth

- 1997 97
- 2001 01

IV Institutional Number Starts with CPCSEA

- Registration no.:
- 0159
 - 00401

V Individual number as per the institution

- 002
- 009
- 019

Example

6	M	01	159	009
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Pre Experimentation details of Animal for Transfer to Rehabilitation

1. Name of the organization currently holding the animal/s

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2. Details of the Animals

a. Animal No:				b. DOB	
c. Animals procured / Trapped from:				d. Date of procurement / trapping	
e. Supplier / Source				f. Colony bred / Wild caught	
g. Dam Number				h. Sire Number	
i. Color		j. Date of Induction		k. Body Weight and Date	

3. Physical Examination on arrival

a. Fore Limbs			b. Hind limbs		
c. * Dental Formula: I		C	PM	M	d. Teeth condition
e. Eyes			f. Nostrils		
g. Mouth lesions if any					
h. External Body Coat			i. Abdominal palpation		
j. Lymph nodes					
k. Chest auscultation			l. Body Temperature		
m. Any injuries physical deformities					
n. Clinical Symptoms if any					
o. Health condition					

4. Quarantine period

a. Introduced on	b. Released from quarantine on
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5. Microscopic examination for parasites

a. Fecal Examination for Endo parasites
b. Any Ectoparasites
c. Parasites on Blood smear examination

6. Any Treatment given during Quarantine

Date	Clinical Symptoms	Diagnosis	Treatment	Recovered on

7. Tuberculin Testing as per the animal:

Date	Source /Batch of Antigen	Result at each Observation		
		First	Second	Third

8. * Chest X ray

a. Date	
b. Report contents	

9. Transferred to which Experiment

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Signature

Name

Designation

Experimentation details

[Separate sheet for each experiment]

1. Animal No <table border="1" style="width: 100%; height: 20px; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> </tr> </table>							2. Body weight / Date
3 Details of the Experiments:							
a. Title/s of the project							
b. Principal Investigator							
c. Details of the protocol							
4. Age and weight range at the time of Initiation of the experiment							
5. Experimental Endpoint Criteria							
6. Date of Termination of experiment as per IAEC approval							
7. Infectious agent used if any give details							
8. Radioisotope used if any give details							

Signature of the Principal Investigator
Name
Designation

Post Experimentation Details of Animal & Suitability Certification

1. Name of Organization currently possessing the animal			
2. Animal No			
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
3. Title of the experiment			
4. Investigator/s			
5. Duration under experimentation			
6. Experimental Procedure			
7. Body Weight & Date			
8. Details of Experiment/ procedures:			
9. Number of times anesthetized		10. Number of times blood withdrawn	
11. Infectious organisms involved			
12. Radioactive substance used			
13. Is the animal suffering from any Zoonotic disease?			
14. Physical abnormalities if any furnish details			
15. Any clinical symptoms			
16. Any attention of a veterinarian required during rehabilitation and how long			
17. Special nutritional requirements if any during rehabilitation			
18. Present condition of the animal for rehabilitation. [Mark \checkmark]			
Excellent [Answers to 11-17 are No]	<input type="checkbox"/>	It can be Retained	<input type="checkbox"/>
Good [Answer to 11-16 are No]	<input type="checkbox"/>	It can be given for Experimentation	<input type="checkbox"/>
Satisfactory [Answers to 11-15 are No]	<input type="checkbox"/>	Fit for transfer to NGO for Rehab	<input type="checkbox"/>
Poor [Answers 11-14 are Yes]	<input type="checkbox"/>	Can be sent for Euthanasia	<input type="checkbox"/>

Signature of Veterinarian
Name
Designation

Transfer Certificate for Rehabilitation

[To be filled in for every animal separately]

1. Animal No <table border="1" style="display: inline-table; border-collapse: collapse; width: 250px; height: 20px; vertical-align: middle;"> <tr> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> <td style="width: 50px; height: 20px;"></td> </tr> </table>						2. Body weight / Date
3. Name & CPCSEA No. of Organization handing over the animal/s						
4. Name & CPCSEA No (if any) of the Organization taking over the animal/s						
5. CPCSEA Registration No of the Rehabilitation unit:						
6. In case of Emergencies Contact person/s details						
Name Telephone No(s) Fax:	Name Telephone No(s) Fax:					
7. Person handing over the animal Signature Name Designation Date	8. Person under taking over the animal Signature Name Designation Date					

Tuberculin Testing

Animal No									
Date	Source & Batch number	Result of readings			Remarks				
		First	Second	Third					

Signature of Veterinarian

Name

Designation

X - Ray

Animal No									
Date	Organ / Site	Radiological Findings							

Signature of Radiologist

Name

Designation

Blood Drawn

Animal No									
Date	Quantity	If any anesthetic used & Quantity	Purpose	Name of the Person drawn the blood					

Signature of Animal Technician
Name
Designation

Body Weight

Animal No									
Date	Weight								

Signature of Animal Technician
Name
Designation

Microbiology

Animal No		<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>									
Date	Test	Material	Organisms found	Remarks							

Signature of Veterinarian/ Microbiologist

Name

Designation

Parasitology

Animal No		<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>									
Date	Ectoparasites	Endoparasites	Remarks								

Signature of Veterinarian/ Parasitologist

Name

Designation

Treatment

Animal No									
Date	Clinical Symptoms	Diagnosis	Treatment	Remarks					

Signature of Veterinarian
 Name
 Designation

Hematology

Animal No										
Date	RBC Millions/cc	WBC Cells/cc	PCV	HB g%	Differential Leukocyte Count					ESR
					N	L	M	B	E	

Signature of Pathologist / Veterinarian
 Name
 Designation

Surgery

Animal No									
<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>									
Date	Type of Surgery	Purpose	Treatment	Remarks					

Signature of Veterinarian

Name

Designation

Post Mortem Report

1. Animal No <table border="1" style="display: inline-table; border-collapse: collapse; width: 150px; height: 20px;"><tr><td style="width: 30px; height: 20px;"></td><td style="width: 30px; height: 20px;"></td><td style="width: 30px; height: 20px;"></td><td style="width: 30px; height: 20px;"></td><td style="width: 30px; height: 20px;"></td></tr></table>						2. Source
3. Date of Induction						
4. Was the animal Sacrificed / Died naturally						
5. Condition of Carcass	6. Date of Death					
7. History of Animal						

8 External Examination

a. Head	b. Body	c. Limbs
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9. Discharges if any

a. Mouth	b. Eyes	c. Ears	d. Nose	e. Anus	f. Vagina/Penis
g. Lesions in the Buccal Cavity		h. Teeth		i. Tongue	

10. Internal Examination

a. Lesions in Brain:	b. Lesions in Sinuses:
c. Lungs:	d. Heart:
e. Liver:	f. Pancreas:
g. Spleen :	h. Kidney/ Ureter:
i. Mesenteric Lymph nodes:	j. Stomach
k. Intestine	l. Cecum:
m. Colon:	n. Rectum
o. Uterus	p. Ovaries / Testes

11. Material Collected for Laboratory as deemed necessary by pathologist conducting PM

Samples for Microbiology	Findings
Samples for Parasitology	
Samples for Histopathology	

12. Important Findings:

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13. Cause of Death

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Signature of Pathologist / Veterinarian
Name
Designation

Histopathology

1. Animal No		<input type="text"/>				
Date	Material	Findings				

Signature: Pathologist / Veterinarian

Name:

Designation:

Rehabilitation

Animal should be examined and assessed accurately by a person who is knowledgeable in particular requirements of that species by a veterinarian or by an experienced rehabilitator process with primary objective of animal welfare.

The criteria may vary however following are a few conditions that preclude animal from rehabilitation and animals may require prompt euthanasia

1. Where the animal is found to be suffering from significant pain, distress, trauma or disease that cannot be relieved.
2. Where the animal would not survive without extended treatment or surgery, and is unlikely to recover sufficiently to return to the normal life.

Following conditions also preclude successful rehabilitation:

1. Loss of limbs or function of limbs
2. Permanent vital sensory loss (hearing, sight, smell, feeding)
3. Untreatable infectious disease
4. Permanent damage to the nervous system
5. Inability to adjust to temporary captivity
6. Chronic ill health
7. Abnormal behavioral patterns

(v) Hygiene / sanitation

11. Describe facilities for euthanasia, if required.

For office use

Name of observer (s) :

Date of visit (DAY/MONTH/YEAR):

Start time:

End time:

Duration

Region:

State:

Shelter name and address:

1. Whether all physical facilities match the particulars/ specifications given in the application.
2. Whether adequate veterinary / care available.
3. Remarks comments.
4. Recommendation

Date:

Signature:

Minimum space requirements for specific animals:

(in Sq. Ft.)

Dogs/ Cats	Goat or Sheep	Cattle	Monkey	Horse
8-14	10	Calf 24 Full Grown 48	8 (Minimum height 10 feet)	60

Minimum ratio of animals to attendants for specific animals:

Dogs / Cats	Goat or Sheep	Cattle	Monkey	Horse
10:2	15:1	10:1	6:1	4:1