

File No: L-110110/6/2020-Trade (E-15522)

भारत सरकार

Government of India

मत्स्य पालन, पशुपालन और डेयरी मंत्रालय

Ministry of Fisheries, Animal Husbandry and Dairying

पशुपालन और डेयरी विभाग

Department of Animal Husbandry and Dairying

कृषि भवन, नई दिल्ली -110 001,

Krishi Bhawan, New Delhi-110 001,

दिनांक / Dated the 18th January, 2022..

OFFICE MEMORANDUM

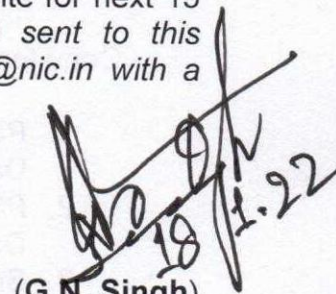
Subject: Regulation of import of livestock under the Livestock Importation Act, 1898 - draft "Directives to Operate Live Animal Quarantine Facility" for the establishment of private animal quarantine stations - regarding.

This Department is regulating import of livestock under the Livestock Importation Act, 1898. The procedures for import of Livestock into the country has been notified vide S.O. (1495), dated 10.06.2014 and as amended from time to time.

2. In continuation of our endeavour to facilitate increasingly steps for "Ease of Doing Business", this Department has drafted "**Directives to Operate Live Animal Quarantine Facility**" for the establishment of private animal quarantine stations.

3. The comments / suggestions on the draft "Directives to Operate Live Animal Quarantine Facility" are invited from all the stakeholders / importers / exporters. The draft will be available on the Departmental website for next 15 days or so. *The comments / suggestions (if any) may be sent to this Department within next 15 days by email only at gagan.garg@nic.in with a copy at gn.singh13@nic.in.*

Enclosure: As above.



(G.N. Singh)

Joint Secretary

Tel: 23389620 (O)

Email: gn.singh13@nic.in

To,

All the stakeholders.

Copy for necessary actions to;

1. Secretary, Department of Commerce, Ministry of Commerce & Industry, Udyog Bhawan, New Delhi. Email: csoffice@nic.in

Contd.....

2. Secretary, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jorbagh Road, New Delhi. Email: secy-moef@nic.in
3. Joint Secretary (Customs), Central Board of Indirect Taxes & Customs, Department of Revenue, North Block, New Delhi. Email: jscus@nic.in
4. Joint Secretary (OPC) & Chairman, Animal Welfare Board of India, DAHD, Krishi Bhawan, New Delhi - 110 001.
5. Director General, Indian Council of Medical Research, Ansari Nagar, New Delhi - 110 029. Email: secy-dg[at]icmr.gov.in
6. Deputy Director General (Animal Science), ICAR, Krishi Bhawan, New Delhi - 110 001. Email: ddgas.icar@nic.in

Copy also forwarded to;

1. Secretary, Department of Fisheries, Krishi Bhawan, New Delhi. Email: secy-fisheries@gov.in
2. Director General, Directorate General of Foreign Trade, Udyog Bhawan, New Delhi. Email: dgft@nic.in
3. Dy Inspector General of Forest, Central Zoo Authority, B-1 Wing, 6th Floor, Pandit Deendayal Antyodaya Bhawan, CGO Complex, Lodhi Road, New Delhi - 110 003. Email: cza@nic.in
4. Deputy Secretary, Department of Commerce, Udyog Bhawan, New Delhi - 110 001. E-mail: d2tpd-doc@nic.in
5. Deputy Commissioner, NCTF Secretariat, Central Board of Indirect Taxes & Customs, Department of Revenue, Ministry of Finance, New Delhi-110 001. Email: nctf.india@gov.in
6. All Regional Officers / Quarantine Officers, Animal Quarantine and Certification Services, Delhi / Mumbai / Bangalore / Chennai / Kolkata / Hyderabad.
7. NIC, DAHD with a request to upload on the website of the DAHD and AQCS.

Copy for kind information to;

1. PS to the Hon'ble Minister for Fisheries, Animal Husbandry and Dairying.
2. PS to Hon'ble Minister of State for Fisheries, Animal Husbandry and Dairying (SKB).
3. Sr. PPS to the Secretary, AHD.
4. PPS / PS to the AS (VJ) / AHC / JS (GNS) / JS (OPC) / JS (UB).

**Draft Directives to Operate Live Animal
Quarantine Facility**

**Department of Animal Husbandry and Dairying
Ministry of Fisheries, Animal Husbandry and Dairying**

DRAFT

Trade of livestock in India is being regulated as per the Foreign Trade Policy of Government of India which is implemented by Department of Commerce. The Department of Animal Husbandry and Dairying (DAHD) regulates import of livestock in accordance with provision of Section 3 of the Livestock Importation Act., 1898 to prevent ingress of Exotic diseases through import of such livestock.

For import or export of live animals, the importer has to obtain license from Director General of Foreign Trade (DGFT) as per EXIM Policy. The DGFT issues license based on the recommendation of DAHD after examining the proposal and conducting risk analysis. Apart from the EXIM Policy, the Central Government is empowered to regulate, restrict and prohibit import of live animals in accordance with Section 3 of the Live-stock Importation Act., 1898. The Notifications S.O. 1495(E) and 1496(E) dated 11th June, 2014 has been issued by the Department of Animal Husbandry and Dairying under Section 3 of Livestock Importation Act. Through these notifications, Department has notified the classes of animals that can be considered as "Live-stock" and also has laid down the import and quarantine procedure for live animals. For export of live animals, the requirements of importing countries have to be fulfilled.

For prevention of exotic animal diseases, the quarantine of imported live animal is very important and same is also crucial for disease control and management of health of indigenous livestock population including wildlife and aquatic animals. Animal quarantine stations are, in most cases, the first points of entry for animals imported into India. Animals are quarantined to exclude the possibility of spreading animal diseases into country. A detail information on quarantine policies is available on the Animal Quarantine and Certification Service (AQCS)'s website at <http://aqcsindia.gov.in/>. Quarantine stations are on high risk for exotic animal disease. Their response to an exotic animal disease emergency will differ from that in a national flock / herd as the cases are already contained within the station. The stations are used for quarantine isolation and testing of animals, imported from various countries of differing disease status. Their major function is to protect against the entry of animal diseases present in the country of origin that may have not been detected at the time of departure. For this purpose, the document lay down conditions for design, construction, operation and management of quarantine facility for those enterprises which are interested to establish their own private high security animal quarantine stations. Same animal quarantine stations will also be used for doing quarantine of live animals to be exported from India.

Keeping in view of above and to facilitate the Ease of Doing Business, DAHD will register the establishment of private animal quarantine stations to fulfill the following objective;

- A. Strict implementation of Livestock Importation Act, 1898.
- B. To prevent any exotic animal disease into India.
- C. To facilitate export of live animals.
- D. Detention, segregation, observation and testing of live animals meant for import / export.
- E. Safe trading of livestock as per guideline lay down by World Organization for Animal Health (OIE).

Registration of Animal Quarantine Station

- a. The person / organization interested to establish live animal quarantine facility will submit the complete dossier to the Joint Secretary (Trade), Department of Animal Husbandry and Dairying (DAHD), Ministry of Fisheries, Animal Husbandry and Dairying along with requisite documents.
- b. A committee under the chairmanship of Animal Husbandry Commissioner will examine the proposal submitted by private parties. If facility meets minimum standard requirements for approval of private high security quarantine stations, the said committee will do audit / inspection of the facility.
- c. Permission will be granted based on audit / inspection report of the committee and acceptance of conditions as laid down by the Government from time to time by the Operator on an Undertaking cum Indemnity Bond. Operator will also deposit the security bond (Bank Guarantee) before actual operationalization.
- d. The annual inspection of animal quarantine station will be carried out and Operator will fulfill requisite recommendations, if any in given time period. In the absence, the registration may be suspended or terminated.
- e. If quarantine station fails to implement / fulfill requirements to operate animal quarantine, the registration will be suspended or terminated. If terminated, the security bond will be confiscated by this Department.

[DAHD reserves the right to audit / inspect the quarantine station as and when required.]

Requirements of Private Quarantine Facility for Live Animals

1. Introduction of Company

Name, Registration Details, Company profile

2. Quarantine facility required for animal (s)

Quarantine facility required for animals may be for following animals (any or all):

Sr No	Species	Minimum housing space requirements
1.	Cattle	Minimum housing space requirement for each animal is annexed (Annexure I)
2.	Horse	
3.	Sheep/Goat	
4.	Pig	
5.	Birds (Poultry / non-poultry birds)	
6.	Dog / Cat and other companion animals	
7.	Wildlife animals and birds	As per norms of Central Zoo Authority (CZA). Further, no objection is also mandatory from CZA for undertaking quarantine in the facility of operator.

Note: The quarantine of laboratory animals (rat / mice / rabbit / guinea pig / mini pig / dogs / monkey etc.) will only be undertaken in the facilities of Research & Development Organizations recommended and approved by CPCSEA. No additional registration is required for the intended purpose. However, the concerned organization has to undertake post-import quarantine of imported laboratory animals as per existing norms and strictly as per Indian Veterinary Health Protocols annexed with import license issued by DGFT in consultation with DAHD.

3. Nearest port with distance:

Specify the nearest port(s) for import or export of live animals.

(Note: Import may only be done through only the ports which have been notified by DAHD.)

4. Demarcations of quarantine facility – including location of its all establishments:

Suitably isolated geographical location away from the human dwelling and habitation, wetlands or forest or any other geographic features that would attract wild birds / animals.

5. Design and layout:

- 1) Quarantine stations must have secure, usually double, boundary fencing, a controlled entry/exit point. The boundary wall / fence of quarantine station should be designed with all biosecurity feature to reduce the risk of introduction, establishment and spread of animal diseases, infections or infestations. The height of boundary wall / fence should be more than 8 ft. to prohibit accidental crossing of human / animals.
- 2) Quarantine station should be separated into two parts i.e. administrative area and restricted area.
- 3) Administrative area should be within the premises of quarantine station but should not be in close proximity to the restricted area or should be demarcated from the restricted area. The facility for communication to be provided between administrative area and restricted area.

Administrative area:

Administrative area should have suitable office space for employees as well as a secure record room.

Restricted area:

- a. Loading or unloading ramp is mandatory to facilitate prompt loading or unloading.
- b. Animal quarantine area.
- c. Veterinary hospital/treatment and emergency operation area only for use of the treatment of animals in quarantine.
- d. Laboratory and sample collection area.

- e. Post mortem room.
 - f. Incineration area.
 - g. Dedicated feed and fodder storage facility (vector and vermin free)
 - h. Dedicated space for washing of cloths, cleaning and disinfection of equipments.
 - i. Toilets
- 4) Quarantine area may vary in size depending upon the species of animal and number of animal to be quarantined.
 - 5) Internally, Quarantine area should allow different species to be kept well apart.
 - 6) Hand wash basins with a supply of hot and cold running water are required to be provided within the perimeter fence for the use of staff at strategic locations.
 - 7) Animal units provide sufficient lighting to allow the proper disinfection and cleansing of units and the safe-handling and examination of animals at all times.
 - 8) All parts of the Quarantine station should be served by an efficient covered drainage system.
 - 9) Animal housing and drains must be vector and vermin free.
 - 10) Disposal pit should be within the quarantine station and covered.
 - 11) Floor of different section in the facility should be as per the requirements to avoid injuries to animals/workers.
 - 12) There should not be any gap or crack in wall, floor and ceiling.
 - 13) Considering the climatic condition in the country, the adequate arrangement to be made to provide optimum temperature to the animals (e.g. water shower, air coolers, air conditioner, room heaters etc.)
 - 14) Lay out should be in a fashion that the animals to be quarantined at different batches should not have any contact with each others. Each batch to be quarantine on “all in all out” basis.
 - 15) Operator will do necessary arrangements to comply relevant laws of concerned State Government / Central Government with respect to fire safety, water harvesting, pollution control, animal welfare, etc.

6. Security and Monitoring:

A. Main entrance:

- I. Gate with facility to lock
- II. CCTV
- III. Biosecurity Measures for Access Control
- IV. Regulation and Recording of human/animals/vehicles movements.
- V. Regulation and Recording of entry and exit of all physical goods, biological samples etc.

B. Restricted Area:

- I. Gate with facility to lock
- II. CCTVs to monitor entire restricted area
- III. Biosecurity Measures for Access Control
- IV. Regulation and Recording of human/animals/vehicles movements
- V. Regulation and Recording of entry and exit of all physical goods, biological samples etc.

Note: The uninterrupted live-feed of all CCTV cameras will be provided to concern Quarantine Officer, AQCS and Joint Secretary, DAHD (or his nominated officer) at

the cost of operator.

7. Human and Technical Resources:

Following mandatory man power is mandatory:

1). Administrative Staff

Number of staff should be commensurate with quarantine capacity of facility.

2). Technical experts / Staff for quarantine of animals: Training in the biosecurity preferable.

- a. Veterinarian
- b. Laboratory Technicians
- c. Veterinary Assistant
- d. Animal restrainer/handler

(Note: Number of technical experts / staff should be commensurate with quarantine capacity of facility and no. of animal species to be quarantined.)

8. Training and Standard Operating Procedures (SOPs)

1). Training of workers and staff on Hygiene and biosecurity principles and procedures is mandatory.

2). SOPs for undertaking quarantine of live animals or birds has to be implemented strictly as per protocols issued by DAHD. However, the following SOPs also to be in place but not limited to the following activities:

- a) To maintain biosecurity for zoonotic and animal diseases.
- b) Entry / Exit of the quarantine area
- c) Vector control including vector repellents
- d) Treatment of sick animals and their isolation
- e) Disinfection of transporting vehicles / other vehicles and animal sheds to be used in quarantine facility
- f) Daily activity which includes cleaning, feeding, watering etc. of the area
- g) Daily examination of animals
- h) Sampling of blood / serum / faeces, swabs etc. for diagnosis.
- i) To transport of samples to referral laboratory
- j) Disposal of waste including disinfection of waste
- k) Post mortem examination and disposal of carcass
- l) Regular Health check up of the workers.
- m) Transportation of animals

Note: -Above is an indicative SOPs for guidance and compliance by the stakeholders. However, for arriving at a better solution in harmony with the objectives depending upon the ground level situation, this document may be amended on need basis by the Department in the event of emergence of any new diseases or threat of biosecurity.

9. Water resource

- 1) Potable water source for regular water supply.
- 2) Bacterial load of Water should be within permissible limits.
- 3) Tested for its hardness, contamination etc.

(Indian Standard for Drinking Water as per BIS specifications (IS 10500:2012) or extant specifications may be referred)

10. Electricity:

Quarantine facility should have 24 × 7 power supply with permanent arrangement of power back up to ensure proper light / HVAC in the facility.

11. Transportation of animals:

There should be a facility of dedicated separate vehicles for the transport of imported animal as well as animals to be exported. Transport vehicle should be strictly as per following specification:

- a) The floor of the vehicle should not be slippery.
- b) Animal should be well separated by partitions made of rubber coated stainless steel or aluminum.
- c) The partitions are easy to adjust, from front and back animal
- d) The vehicle is equipped with a water tank (obligatory for long transport).
- e) It should be leak proof so that the urine, dung and other excreta should not leak out side during the transportation.
- f) It should be well covered and vector proof.
- g) Disinfection of transport vehicle shall always be done before and after transportation of animals.

12. Record keeping

Regulation and Records of following must be maintained, preferably digitized and published in public domain:

- a) Livestock register with details of age, sex, source, identity etc.
- b) Individual animal health card
- c) Feed and fodder purchase register
- d) Feed and fodder stock register
- e) Sick animal register and treatment register
- f) Mortality and Postmortem register
- g) Vehicles movement controls
- h) Human movement controls
- i) Staff record both technical and non technical
- j) Quality Assurance Scheme if any (ISO 9001:2015 or any such quality assurance programme)
- k) All correspondences record including dispatching of animal samples, receiving of laboratory reports, etc.
- l) Individual animal detail quarantine record.

13. Laboratory:

Quarantine facility mandatorily must maintain a laboratory to handle process samples for

submission to testing labs and use for routing testing. An indicative requirement for laboratory is mentioned at **Annexure II**.

14. Waste disposal management

Quarantine facility should have proper waste management system viz. incineration facility to dispose waste (carcass of dead animal, biological waste, litter, manure, bedding etc.), or as per biomedical waste management / local municipal rules.

15. Others:

- 1) Breeding of animals or collection of germplasm during quarantine period will be prohibited.
- 2) Animal products such as milk, wool, egg obtained from animal under quarantine shall be strictly destroyed.
- 3) Vaccination of animal is prohibited during quarantine, except wherever indicated.
- 4) Any record (including electronic records) will not be disposed off without recommendation of concerns AQCS and prior approval of DAHD.

16. Amount of Security Bond (Bank Guarantee):

The Security Bond (Bank Guarantee) has to be deposited in the name of **Pay & Account Officer (Sectt)**, Ministry of Fisheries, Animal Husbandry and Dairying, Department of Animal Husbandry and Dairying for an amount as mention below;

Sl. No.	Animal Species	Amount for Security Bond (Bank Guarantee)
1	Large animals (cattle, buffalo, horse etc.)	Minimum Rs. 5.00 lakh (Rs. Five lakh only) for animal quarantine facility to undertake quarantine upto 10 (Ten) animals. Amount in multiplication for larger facility.
2	Small animals (sheep, goats, pigs, dogs, cats, rabbits, pet birds etc.)	Minimum Rs. 2.00 lakh (Rs. Two lakh only) for animal quarantine facility to undertake quarantine upto 100 (One Hundred) animals. Amount in multiplication for larger facility.
3	Birds {Poultry, non-poultry (ornamental) etc. non-birds}	Minimum Rs. 2.00 lakh (Rs. Two lakh only) for animal quarantine facility to undertake quarantine upto 2,000 (Two Thousand) birds. Amount in multiplication for larger facility.
4	Wildlife animals and birds	Minimum Rs. 5.00 lakh (Rs. Five lakh only) for animal quarantine facility to undertake quarantine upto 10 (Ten) animals or birds. Amount in multiplication for larger facility.

Initially, the Security Bond (Bank Guarantee) has to be deposited for a period of 03 years. After that, the Security Bond (Bank Guarantee) has to be deposited at every 03 years, at least three months before expiry of earlier Security Bond.

Operating Protocols

- a. All the expenses towards construction & maintenance, salary & wages, implementing SOPs etc. to operate the animal quarantine facility shall be borne by Operator. DAHD will not bear any expense.
- b. Importer will comply the notification 1495(E), date 11 June 2014 for importing the live animal into the country and the live animal shall be transported to the quarantine facility of private operator from port of entry with the approval of concerned Quarantine Officer, AQCS.
- c. The quarantine of live animal in the private facility of Operator shall be made strictly as per SOPs in this regard.
- d. **Testing of samples in referral laboratories:** Samples for testing of animals under quarantine shall be withdrawn as per SOPs and Indian veterinary health protocols. Sample will be submitted to the referral laboratories in a bio secure manner along with requisite testing fees.
- e. Sickness in any animal during quarantine has to be reported to the concerned Quarantine Officer, AQCS, immediately. The additional laboratory testing, if any has to be undertaken in consultation with concerned Quarantine Officer, AQCS and in the referral laboratories only. The test result (s) will only be declared with the prior consent of concerned Quarantine Officer, AQCS.
- f. If at any stage, it is found that the animals are being not quarantine as per SOPs, the animal under quarantine shall be relocated to other approved quarantine facility within jurisdiction of concerned AQCS at the cost of former operator and with consensus of Importer, only after approval of committee under the chairmanship of Animal Husbandry Commissioner. Further, the registration of live animal quarantine facility will be suspended or terminated
- g. If importer desires to utilize the services of any other veterinarian at any stage during quarantine period (routine physical examination, sample collection, veterinary care, if any etc.), he / she shall be permitted with agreement between Operator and Importer.
- h. If importer desires to provide feed/fodder/bedding at its own, he / she shall be permitted with agreement between Operator and Importer.
- i. In case of any dispute, the imported animal shall be disposed off as per agreement between Operator and Importer as well as considering relevant clauses of Undertaking cum Indemnity Bond in light of the Livestock Importation Act, 1898.
- j. In case of any mortality of animal during quarantine period, the necropsy and sample for testing shall be drawn in consultation with concerned Quarantine Officer, AQCS. The carcass of dead animal shall be disposed as per SOPs.
- k. **Quarantine charges:** Operator will display the details of all the expenses and will also share with importer or exporter in advance while making the agreement. The necessary provisions in the agreement shall be incorporated for the expenses which will be made by the importer directly towards veterinary care/feed/fodder/bedding etc.
- l. Any expansion, modernization or redevelopment of any space undertaken in the quarantine facility shall be immediately intimated to DAHD.

- m. The Operator will ensure the compliance of the Livestock Importation Act, 1898, relevant notification, SOPs and directions issued by this Department time to time. Further, all the applicable laws of the land must be followed and is sole responsibility of the operator.
- n. **Quarantine Clearance:** Imported animal will stand released after completion of quarantine requirements i.e. receipts of applicable testing reports and minimum quarantine period whichever is later. Operator will report these decisions to the concerned AQCS for further issuing final Quarantine Clearance on Customs' IceGate.
- o. **Quarantine for Export:** The quarantine of live animals in the private facility of Operator for export purpose and its samples testing will be made strictly as per SOPs, as well as veterinary protocols of importing country. The Quarantine Certificate for export of live animals will strictly be issued as per requirements of importing country.

DRAFT

Annexure I

Indicative housing space requirement of each animal

Animal	Enclosed Housing Area/Animal	Exercise yard area/animal	Fencing
Cattle	75-100 sq.ft	100-125 sq.ft	Woven wire
Horse	Tie stalls: 5^{ft} × 9^{ft} Box stalls: 10^{ft} × 10^{ft}	200 sq.ft	Wooden rail Woven wire
Sheep/Goat	20-25 sq.ft	50 sq.ft	Woven wire
Pig	48 sq.ft	200 sq.ft	Plank rail
Dog	24 sq.ft	50 sq.ft	Woven wire
Cat	4 sq.ft	50 sq.ft	Woven wire
Birds	1.5-2 sq.ft
Wildlife animals and birds	As per recommendations of Central Zoo Authority.		

Annexure II

Indicative list of instruments required in the laboratory

1. Water bath
2. Biosecurity Cabinet
3. Centrifuge machine
4. Autoclave
5. Microscope
6. Refrigerator
7. Deep freezer -20°C
8. Cool boxes
9. Needle/syringe destroyer
10. Post mortem set
11. Minimum 5 no. of trevis (different size) should be available to restrain the animal for sampling and clinical examination.
12. SOPs / formats for sample collection, labeling, storage and transportation, as well as receiving of reports and record keeping.

Checklist for Private Animal Quarantine Facility

Sr. No.	Specifications	Requirements			
1	Introduction of Company	1. Name of company 2. Registration Details 3. Company profile			
2	Quarantine facility required for animal(s)	S. No	Species	Facility available for species and number of animals	
		1	Cattle		
		2	Horse		
		3	Sheep/Goats		
		4	Pig		
		5	Birds (Poultry / non-poultry birds)		
		6	Dog / Cat and other companion animals (rabbits, pet birds etc)		
		7	Wildlife animals and birds (Please annexe copy of no objection from CZA for undertaking quarantine)		
3	Housing space requirement of each animal	Animal	Enclosed Housing Area/Animal	Exercise Yard Area/Animal	Fencing
		Cattle	75-100 sq.ft	100-125 sq.ft	Woven wire
		Horse	Tie stalls: 5 ^{ft} × 9 ^{ft} Box stalls: 10 ^{ft} × 10 ^{ft}	200 sq.ft	Wooden rail Woven wire
		Sheep / Goat	20-25 sq.ft	50 sq.ft	Woven wire
		Pig	48 sq.ft	200 sq.ft	Plank rail
		Dog	24 sq.ft	50 sq.ft	Woven wire
		Cat	4 sq.ft	50 sq.ft	Woven wire
		Birds	1.5-2 sq.ft
		Wildlife animals and birds	As per recommendations of Central Zoo Authority.		
4	Nearest port and distance:				
5	Available quarantine facility including location and its all establishments	Geographical location: (Distance between human dwelling and habitation, wetlands or forest or any other geographic feature that would attract wild birds/animal)			
6	Design and layout	1. Secure double boundary fencing			

		<ol style="list-style-type: none"> 2. Height of fencing in feet 3. Whether divided into Two separated parts : <ol style="list-style-type: none"> A. Administrative area B. Restricted area
7	Administrative area	<ol style="list-style-type: none"> 1. Office space 2. Duty Room 3. Toilet 4. Housing/residential area of employee (optional)
8	Restricted area	<ol style="list-style-type: none"> 1. Loading or unloading ramp 2. Animal quarantine area. 3. Veterinary hospital and treatment area 4. Emergency operations area 5. Laboratory and sample collection area 6. Post mortem room 7. Incineration area 8. Feed and fodder storage facility (should be pest/vermin/vector free) 9. Space for washing of cloths, cleaning and disinfection of equipments. 10. Toilet
8	Quarantine area	<ol style="list-style-type: none"> 1. Distance between quarantine area of species 2. Basins with a supply of hot and cold running water 3. Arrangement of light in Animal units 4. Drainage system (Covered/Uncovered) 5. Disposal pit 6. Floor of different section (non slippery/non injurious) 7. Floor and walls junctions (effectively sealed or not) 8. Availability of water shower, air conditioner, room heaters
9	Security and Monitoring	<ol style="list-style-type: none"> A. Main entrance <ol style="list-style-type: none"> i. Gate with facility to lock ii. CCTV iii. Biosecurity Measures for Access Control iv. Regulation and Recording of human/animals/vehicles movements. v. Regulation and Recording of entry and exit of all physical goods, biological samples etc. B. Restricted Area: <ol style="list-style-type: none"> i. Gate with facility to lock ii. CCTVs to monitor entire restricted area iii. Biosecurity Measures for Access Control iv. Regulation and Recording of human/animals/vehicles movements v. Regulation and Recording of entry and exit of all physical goods, biological samples etc
10	Mandatory Man Power	<ol style="list-style-type: none"> 1. <u>Administrative Staff</u> <ol style="list-style-type: none"> a. Staff deployed b. Manpower / services for Heating, ventilation, and air conditioning (HVAC), Generator Operator, Fire pump operator, Water pump operator, Electrician, Sweeper etc.

		<p>2. <u>Technical experts for undertaking quarantine of animals:</u> Training in the biosecurity preferable.</p> <ol style="list-style-type: none"> Veterinarian: Laboratory Technicians Clinical Assistant Animal restrainer / handler <p>(Note: Number of Administrative staff and technical experts should be commensurate with quarantine capacity of facility)</p>
11	Training manual for Staff	On Hygiene and biosecurity principles
12	SOPs	<ol style="list-style-type: none"> To maintain biosecurity for zoonotic and animal diseases. Entry / Exit of the quarantine area Vector control including vector repellents Treatment of sick animals and their isolation Disinfection of transporting vehicles / other vehicles and animal sheds to be used in quarantine facility Daily activity which includes cleaning, feeding, watering etc. of the area Daily examination of animals Sampling of blood / serum / faeces, swabs etc. for diagnosis. To transport of samples to referral laboratory Disposal of waste including disinfection of waste Post mortem examination and disposal of carcass Regular Health check up of the workers. Transportation of animals Any other <p>(Note: SOPs for undertaking quarantine of live animals or birds will be as per protocols issued by DAHD time to time.)</p>
13	Water resource	<ol style="list-style-type: none"> Potable water source Bacterial load of Water Taste reports of water hardness and contamination etc. Potable water fulfills the Indian Standard for Drinking Water as per BIS specifications (IS 10500:2012)
14	Electricity	<p>24 × 7 power supply</p> <p>Arrangement of power back up</p>
15	Transportation of animal	<p>Dedicated separate vehicles for the transport of imported animals</p> <p>Dedicated separate vehicles for the transport of animals to be exported.</p>
16	Specification of transport vehicle	<ol style="list-style-type: none"> Floor of the vehicle (non slippery) Partitions made of rubber coated stainless steel or aluminium. Partitions are easy to adjust, from front and back of animal

			<ul style="list-style-type: none"> iv. Vehicle is equipped with a water tank (obligatory for long transport). v. Leak proof vehicle to check urine, dung and other excreta during the transportation. vi. Covered and vector proof.
17	Record keeping		<ul style="list-style-type: none"> 1. Livestock register with details of age, sex, source, identity etc. 2. Individual animal health card 3. Feed and fodder purchase register 4. Feed and fodder stock register 5. Sick animal register and treatment register 6. Mortality and Post mortem register 7. Vehicles movement Controls 8. Human movement controls 9. Staff record both technical and non technical 10. Quality Assurance Scheme if any (ISO 9001:2015 or any such quality assurance programme) 11. All correspondences record 12. Individual animal detail quarantine record.
18	Laboratory equipments	with	<ul style="list-style-type: none"> 1. Water bath 2. Biosecurity Cabinet 3. Centrifuge machine 4. Autoclave 5. Microscope 6. Refrigerator 7. Deep freezer -20°C 8. Cool boxes 9. Needle/syringe destroyer 10. Post mortem set 11. No. of Travis (different sizes) (Note; Minimum 5 nos.) 12. SOPs / formats for sample collection, labeling, storage and transportation, as well as receiving of reports and record keeping.
20	Waste management	disposal	<p>Incineration facility to dispose waste (carcass of dead animal, biological waste, litter, manure, bedding etc.)</p> <p>or as per biomedical waste management / local municipal rules.</p>