Fron,

The Dean

College of Vety. Sciences

Lala Lajpat Rai University of Veterinary & Animal Sciences

Hisar (Haryana)

To

Unrector increase

vF'64A 'k;~.-.4, .•.... L.

The Director General

1|limal Husbandry & Dairying Department Haryana hudhan Bhawan, Bays No.9-12, Sector-2

Annial Hospandry & Dairying How mchkula Kayo No. 9-12, Sec. 2, Penchkula

MAY ?n,'1

No. COVS/G-1/2013/ $\sim$ 5 6 9 I aied:  $\sim$ 1  $\sim$ 1,  $\mathcal{B}$ .

ffe~f-ffi ~ lillf~

;uidelincs of Veterinary Diploma Courses conducted by private .i. titutions in the State.

Kindly refer to your letter No. 10484 Dated 29.3.2003 on the subject cited

above.

As desired, the Norms, Procedure and guidelines alongwith application form for affiliation of institutions offering/desirous of starting Veterinary and Livestock Development Diploma course in the State of Haryana is enclosed herewith for further necessary action at your end please.

s above Encl

Ass(**f**.iJ1i College of Vety. Sciences ~leRUVAS<sub>11</sub> HISAR

College of Veterinary Sciences,
Lala Lajpat Rai University of Vety. & Animal Sciences, Hisar

# ·- · · ·

Subject: Norms, Procedure and guidelines for affiliation of institutions offering /desirous of starting Veterinary and Livestock Development diploma course in the State of Haryana.

- i) Institutions offering diploma courses in Veterinary

  /Animal Sciences in the State of Haryana shall follow the

  procedures and guidelines laid down by the College of Veterinary

  Sciences, LLRUVAS in order to maintain uniformity and to ensure

  high quality of training.
- ii) The institutions desirous of starting the diploma courses shall have to first obtain a No Objection Certificate from the Govt. of Haryana, Department of A.H. & Dairying.the no objection certificate is only an in principle permission of the state government to approach the university for affiliation and does not confer any legal right on any institution to be affiliated to the university unless it is found to be fulfilling all eligibility conditions prescribed for such affiliation.
- After obtaining the No Objection Certificate from the state government, the institution shall have to apply to the Dean, College of Veterinary Sciences, LLARUVAS within 120 days of obtaining the NOC for pre-affiliation inspection of the institute. The institution shall be required to deposit along with the application initial affiliation fee of Rs. two and a half lakhs and an inspection fee of

Rs.50000/-.if affiliated, the institution shall have to pay an annual affiliation fee of Rs 50000 in every subsequent year. The Dean may entertain an application for renewal beyond a period of 120 days in special cases. The pre-affiliation inspection by the university will be intended to evaluate infrastructural, technical, clinical, academic and financial capability of the institution in keeping with the requirements prescribed. The applicant institution shall not start any academic activity before getting the affiliation from the university.

- iv) The first inspection has to be necessarily carried out before the 31<sup>51</sup> March preceding the start of an academic year followed by another inspection before the start of the academic session.renewal of affiliation in subsequent years will be subject to a recommendation by a Committee constituted by the Dean, College of Veterinary Sciences for the purpose.
- v) The Committee may inspect all the documents and premises/facilities pertaining to the financial strength, the infrastructural facilities and the academic and technical capabilities of the institution. The institution shall, besides demonstration of adequate financial strength, furnish a bank guarantee of Rs. fifty lakh to the Dean, College of Veterinary Sciences. In the event of failure by the affiliated institution failing to complete a course after having started the course, the money in the form of bank guarantee

shall be forfeited by the Dean, College of Veterinary Sciences, LLRUVAS, Hisar.

- vi) The academic standards with respect to quality of teaching and the minimum essential infrastructure such as Laboratories, Lecture Halls, Sports ground, Computer Lab, Multimedia Lab, Teaching Animal Farm and Clinic etc. shall be governed by the College of Veterinary Sciences, LLRUVAS and for the present as giveri in Annexure-1.
- vii) The intake capacity for VLDD diploma course shall be a maximum of 60 students per batch or as approved by the university. However, the diploma in Veterinary Laboratory Technology will have strength of not more than 30 students so as to ensure adequate "hands on" practice.
- viii) Admission to different diploma courses in the affiliated institutions will be on the basis of a Common Entrance Test conducted by the College of Veterinary Sciences, LLRUVAS, Hisar. Students desirous of seeking admission in affiliated institutions shall have to apply to the Dean, College of Veterinary Sciences for admission and central counseling as per procedure given in the university prospectus of that particular academic year.
- ix) No student who has not qualified the Common Entrance

  Test shall be admitted to any diploma course under any category.

- x) All the students admitted in the affilliated institutions shall register themselves with the College of Veterinary Sciences, LLARUVAS after paying the prescribed registration fee in the 1st year of admission, as per schedule prescribed by the college.
- xi) The admission fee for students admitted to affiliated institutions shall be as fixed as per procedure laid down by the State Govt or as notified by the state government.
- xii) The entire process of conduct of exarnmations.evaluation and related issues for all diploma courses shall be under the control and supervision of the Dean, College of Veterinary Sciences, LLRUVAS, Hisar
- xiii) The students of the affiliated institutions shall have to pay the prescribed examination fee to College of Veterinary Sciences, Hisar
- xiv) After successful completion of course, diploma certificates shall be issued to students by the College of Veterinary Sciences, LLRUVAS, Hisar
- xv) Rules, Regulations and guidelines as framed by the Board of Studies, College of Veterinary Sciences, Hisar shall also be applicable to the students of the affiliated institutions (Annexure-2) xvi) The minimum faculty strength for a Diploma course for a batch of sixty students shall be one Principal and four faculty members having at least BVSc degree and two years of relevant

experience. The Principal must possess a Master's degree (MVSc) in any discipline of Veterinary Sciences with a minimum of 15 years experience in teaching, research, extension or field service. The qualifications may, however, be relaxed in exceptional cases by the university if the university is satisfied that suitable candidates are not available for a particular teaching position. The upper age limit for the faculty shall be 68 years. The faculty shall be appointed on a full-time basis. The optimum teacher-students ratio should be maintained around 1:10; however, if the institute is running more than one diploma course, then there shall be appropriate increase in the faculty strength of the institute.

xvii) The admission process for Diploma Courses must be completed before 30<sup>1</sup>- September of each academic year and no admission will take place after this date. The academic calendar as prescribed by College of Veterinary Sciences, LLRUVAS and instruction/clarifications on it issued by the university shall be followed by all affiliated institutions.

and functional clinics with at least 30 outdoor cases per day. If the in house clinics are not fully equipped or functional to the satisfaction of the university and if the university grants a provisional affiliation to an institution in view of this shortcoming, then the affiliated institution will have to make arrangement for

attachment of its students in a suitable Government Veterinary
Hospital and get the arrangement approved by the university,
provided the number of outdoor cases in such hospital is sufficient.

- xx) The Supervisory-cum-Expert Committee for Diploma courses at the College/ University level shall be headed by the Dean, College of Veterinary Sciences, LLRUVAS, Hisar, with Director, Clinics, HOD's of Pathology, Microbiology, and LPM/APT departments as members. The Associate Dean of the university will be the Member Secretary of the committee.
- xxi) It shall be mandatory for all affiliated institutions undertaking any diploma course to fulfill the requirements of minimum infrastructure, equipments and other facilities required for the course as prescribed by the Dean, College of Veterinary Sciences, Hisar.

#### Note:

In case cf institutions which have started academic activities before these guidelines was issued, on the basis of NOC issued by the State Govt., affiliation may be given provisionally for such batches subject to complete compliance through verification of academic standards pertaining to the period of teaching already completed before applying for affiliation. While the internal assessments previously awarded to students by an institution applying for affiliation may be recognized for successful completion of the course by students, all students of such affiliated institutions shall have to appear and clear the annual examinations of 1<sup>st</sup> and 2<sup>nd</sup> year conducted by the University so as to complete the diploma course successfully.

In case a provisional affiliation is granted to any institution in view of some deficiency in infrastructure, full compliance in respect of infrastructure will have to be completed within two years of provisional affiliation, failing which the affiliation granted to such non complying institution shall be withdrawn. However, provisional affiliation will not be granted if there are deficiencies in academic and clinical standards.

#### Annexure-1

Requirement of land *I* building Infrastructure consisting of Administrative block, Academic building, Hostels, Veterinary Hospital, Livestock farm etc., shall be as per guidelines given below:

#### INFRASTRUCTURE:

The standards of infrastructure for the affiliating institutes running a single diploma course are:

- 1. Minimum ten acres of land on long term lease or ownership in the name of institution.
- 2. Constructed buildings:

#### A. Administrative Block:

- a. 300 square feet carpet area for academic head of the institution.
- b. 250 square feet carpet area for the office of the supporting staff.
- c. 500 square feet carpet area as a reception place.
- d. 200 square feet carpet area for the store.
- e. Separate toilets for staff, students and girls/ladies.

## B. Academic Block including labs. and library:

- a. 150 square feet carpet area for each faculty member.
- b. 3000 square feet carpet area for the library.
- c. 1200-1500 square feet carpet area each for two lecture halls preferably fitted with audio visual aids.
- d. 1200-1500 square feet carpet area each for two laboratories.
- e. 3000 square feet carpet area for multipurpose hall.

## C. Veterinary Hospital:

A functional inhouse/attached veterinary hospital of the level of polyclinic/district level Govt. Veterinary Hospital to be constructed on a plot of one acre having the required facilities for diagnosis and treatment of medicinal, surgical and gynaeq>logical & obstetrical ailments in animals (Annexure 1-A). If an attached hospital of desired level is not functional, then interim permission may be given for two years, in a hospital of desired level. The In charge hospital shall submit

.•

the certificate certifying that students have attended the clinics along with their attendance and the work report which may be verified by the University periodically

#### D. Animal farm:

- a. Four acres for animal farm including fodder and pasture facilities. The minimum number for different livestock is as follows:
  - 1. Cattle = 15-20.
  - ii. Buffaloe= 15-20
  - 111. Sheep & goat = 40-60
  - v. Poultry= 250-300
  - b. Priorities: To train the students with respect to management, nutrition and breeding activities.
  - c. Personnel: Farm manager/Farm supervisor, VLDA, Animal attendants (minimum four), sweepers (minimum two) and chowkidar.
  - d. Equipment: As per annexure 1-B
  - e. Shed/water: As per standard requirements for the specified no. of animals, there should be proper sheds and water arrangement.
  - f. Circulation area: Sufficient area should be provided.
- E. Standard of the lab attached to the Academic block
  - a. Personnel: Lab technician, Lab. Attendants (minimum two).
  - b: Carpet area: 1200-1500 square feet carpet area each for two laboratories.
  - c. Equipment: As per annexure 1-C
  - d. Biochemical Reagents & Chemicals: As per annexure 1-0
- F. Hostel & recreational facilities:
  - a. Hostel must have facilities for 100 students on twin share basis.
  - b. Accommodation for warden and deputy warden along with hostel
  - c. Student's mess and common room etc.

## Play grounds & Recreational facilities:

a. Two acres area for play grounds and required facilities for sports.

# RATIO OF CARPETED AREA AND OPEN AND CIRCULATION AREA IN THE CAMPUS SHOULD BE AT LEAST1:1

#### STAFF:

- a. One Principal (Minimum MVSc)
- b. Four faculty members with BVSc

In case more than one diploma course is offered by an affiliated institution, it shall have to make modular additions in infrastructure of academic block, laboratory, hostel and in personnel as per specific requirement of the diploma course as per instruction of the Dean COVS LLRUVAS.

# Annexure 1-A

# **Equipments and related material for Veterinary Hospital:**

The attached teaching veterinary hospital should have all the essential facilities required for diagnosis and treatment of medicinal, surgical, gynecological & obstetrical ailments in different animal species. The minimum equipment and other materials are suggested below.

Name		Quantity
•	Cattle crush	2
•	Al crate	1
•	Operation table	1
•	Shadow less lamp	1
•	Surgical instruments: Complete Surgical set	4 sets
	with various kinds of surgical instruments:	
•	Teat & udder instruments	2 sets
•	Cauterisation set	1
•	Autoclave	1
•	Hot air oven	1
•	Sterilizer unit	2
•	Teeth rasp & teeth cutter	1 each
•	Intravenous drip stands	2
•	Gray's mouth gag	2
•	Obstetrical set	2
•	Whelping set	1
•	Vaginal speculum	1
•	A.I. guns	1 set each
•	Stomach tubes	2
•	Burdizzo castrator	1
•	Refrigerator (double door)	1
•	Monocular microscope	2

•	Binocular microscope	1
•	Swab holder	1
•	Liquid nitrogen Cylinder (LN2 containers)	1 each
	smali and large	
•	Drenching bottles	2
•	Irrigators	2
•	Thermometers (simple and digital)	10 each
•	Stethoscope	5
•	Syringes of various volumes 1 ml to 50 ml	30 each
•	Tuberculin syringes	30
•	Needles 23, 22, 20, 18, 16, 15 gauges	30 each
•	Catheters	as per need
•	Insemination catheter	2
•	Marble slabs	2
•	Spatula (iron, plastic and ebonite)	2
•	Mortar and pestle (porcelain and glass)	2
•	Stethoscopes for demonstration	10
•	Artificial Vagina	8
•	Mortar & pestle	2
•	Disposable and rubber gloves	as per need
•	Suture materials (silk and catgut)	as per need
•	Haemocytometer sets	2
•	Haemoglobinometer sets	2
•	Other accessories for blood, urine and fecal examinat	ion

• Chemicals and reagents required for preparation of lotions, tinctures,

ointments etc.

# Annexure 1-B

# Equipments and related material for Animal farm:

•	Shearing and Clipping equipment			1 set
•	De-beaking equipment			1 set
•	Egg Candler			1
•	Egg grading Machine			1
•	Branding set			1
•	Electric clippers			2
•	Lactometer			4
•	Ropes for different halters	as	per	need
•	Bull holder	as	per	need
•	Bull nose punch	as	per	need
•	Trocar			5
•	Body brush			5
•	Metal/plastic tags	as	per	need
•	Tag punch	as	per	need
•	Ear Natcher			5
•	Trays	as	per	need
•	Electric dehorner	as	per	need
•	Saw			2
•	Mouth gags	as	per	need
•	Buckets	as	per	need
•	Nose pipe	as	per	need
•	Milk Strainer	as	per	need
•	Drencher			5
•	Ciinical thermometer			10
•	Floor brooder	as	per	need
•	Battery brooder	as	per	need
•	Brooder guard	as	per	need

	Grower battery	as r	per need	
•	•	•		
•	Layer battery	as p	per need	
•	Chick feeder	as p	per need	
•	Grower feeder	as p	per need	
•	Layer feeder	as p	per need	
•	Hanging feeder	as p	per need	
•	Range feeder	as p	per need	
•	Chick drinker/waterer	as p	per need	
•	Grower drinker/waterer	as p	per need	
•	Adult drinker/waterer	as p	per need	
•	Earthen waterer	as p	per need	
•	VVater channel	as p	er need	
•	Wing band	as p	er need	
•	Leg band	as p	per need	
•	Debeaker		2	
•	Raker		2	
•	Grinder		2	
•	Mixer		2	
•	Vaccinator		5	
•	Bukhari	as p	er need	

Any other material required for proper and smooth functioning of the farm.

# Annexure 1-C

# Equipments, Labware and other material for laboratories:

 Charts depicting animal systems: Full chart showing animal's digestive system, Reproductive System, Respiratory system, Circulatory system, Excretory system etc.

ltem		Quantity
•	Bone sets for each species	1each
•	Microscopes	6
•	Skelton of Buffalo, Fowl, dog, sheep/goat	1each
•	Glassware (Slides, petri-dishes, Measuring cylind	ers, centrifuge,
	Tubes, flasks, beakers etc.)	as per need
•	Electronic weighing balance	1
•	Distillation set	1
•	Vernier calipers	1
•	Binocular Microscopes	1
•	pH meter	1
•	Staining Jars	15
•	Haemocytometer sets	5
•	Haemoglobinometer sets	5
•	Centrifuge table top type	1
•	Microhematocrit tubes	as per need
•	Wintrobes sets	2
•	Manometers (Mercury)	2
•	Sphigmo manometers (dial type)	2
•	Thermos flasks	2
•	Specimen jars containing different organs	20
	of different species.	

The list is only suggestive. Any other equipment/material required for practical training to students as per course curriculum is a must.

#### Annexure 1-D

# Biochemicals and reagents required for conducting various practical:

- 1. Gerber acid
- 2. Ethyl Alcohol
- 3. Alizarine
- 4. lodine
- 5. Resorcinol powder/flakes
- 6. Cone. HCl
- 7. Cone. H2SO4
- 8. Ferric chloride solution
- 9. Paraphenylene diamine solution
- 10. Diluted HCI
- 11. Ethyl alcohol
- 12. Rosalie acid solution
- 13. Sodium hypo chloride solution
- 14. Sodium hydroxide
- 15. Phenol solution Trichloroacetic acid solution (TCA) 24 % (w/v)
- 16. Sodium acetate
- 17. Acetic acid
- 18. Sodium carbonate (AR)
- 19. Sodium bicarbonate
- 20. Disodium p-nitro phenyl phosphate
- 21. Methylene blue tablet
- 22. Buffer solutions
- 23. Phenolphthalein indicator
- 24. Iso-amyl alcohol (specific gravity 0.814 0.816)
- 25. Standard sodium hydroxide solution
- 26. Salicylic acid
- 27. Phenyl

- 28. Lead acetate
- 29. Red lodide of Mercury
- 30. Acriflavin
- 31. Giemsa stain
- 32. Leishman's stain
- 33. Acetone
- 34. Boric Acid
- 35. lodine
- 36. Potassium lodide
- 37. Zinc oxide
- 38. Zinc sulphate
- 39. Bismuth subnitras
- 40. lodoform, Sulphur
- 41. Liquid Paraffin
- 42. Magnesium sulphate
- 43. Copper sulphate
- 44. KMNO4
- 45. Alcohol etc.
- 46. Sodium Tri. Poly Phosphate
- 47. Sodium Nitrate
- 48. Sodium Nitrite
- 49. pH paper strips
- 50. Filter paper Whatman No. 42

Any other chemical required for the laboratory work

#### Annexure-1

Requirement of land/ building Infrastructure consisting of Administrative block, Academic building, Hostels, Veterinary Hospital, Livestock farm etc., shall be as per guidelines given below:

#### **INFRASTRUCTURE:**

The standards of infrastructure for the affiliating institutes running a single diploma course are:

- Minimum ten acres of land on long term lease or ownership in the name of institution.
- 2. Constructed buildings:
- A. Administrative Block:
  - a. 300 square feet carpet area for academic head of the institution.
  - b. 250 square feet carpet area for the office of the supporting staff.
  - c. 500 square feet carpet area as a reception place.
  - d. 200 square feet carpet area for the store.
  - e. Separate toilets for staff, students and girls/ladies.
- B. Academic Block including labs. and library:
  - a. 150 square feet carpet area for each faculty member.
  - b. 3000 square feet carpet area for the library.
  - c. 1200-1500 square feet carpet area each for two lecture halls preferably fitted with audio visual aids.
  - d. 1200-1500 square feet carpet area each for two laboratories.
  - e. 3000 square feet carpet area for multipurpose hall.

#### C. Veterinary Hospital:

A functional attached veterinary hospital of the level of polyclinic/district level Govt. Veterinary Hospital to be constructed on a plot of one acre having the required facilities for diagnosis and treatment of medicinal, surgical and gynaecological & obstetrical ailments in animals (Annexure 1-A). If an attached hospital of desired

level is not functional, then interim permission may be given for two years, in a hospital of desired level. The In charge hospital shall submit the certificate certifying that students have attended the clinics along with their attendance and the work report which may be verified by the University periodically

#### D. Animal farm:

- a. Four acres for animal farm including fodder and pasture facilities.

  The minimum number for different livestock is as follows:
  - 1. Cattle = 15-20,
  - 11. Buffaloe = 15-20
  - 111. Sheep & goat= 40-60
  - v. Poultry= 250-300
  - b. Priorities: To train the students with respect to management,
     nutrition and breeding activities.
  - c. Personnel: Farm manager/Farm supervisor, VLDA, Animal attendants (minimum four), sweepers (minimum two) and chowkidar.
  - d. Equipment: As per annexure 1-B
  - e. Shed/water: As per standard requirements for the specified no. of animals, there should be proper sheds and water arrangement.
  - f. Circulation area: Sufficient area should be provided.
- E. Standard of the lab attached to the Academic block
  - a. Personnel: Lab technician, Lab. Attendants (minimum two).
  - b. Carpet area: 1200-1500 square feet carpet area each for two laboratories.
  - c. Equipment: As per annexure 1-C
  - d. Biochemical Reagents & Chemicals: As per annexure 1-D
- F. Hostel & recreational facilities:
  - a. Hostel must have facilities for 100 students on twin share basis.

- b. Accommodation for warden and deputy warden along with hostel
- c. Student's mess and common room etc.

## Play grounds & Recreational facilities:

a. Two acres area for play grounds and required facilities for sports.

# RATIO OF CARPETED AREA AND OPEN AND CIRCULATION AREA IN THE CAMPUS SHOULD BE AT LEAST1:1

#### STAFF:

- a. One Principal (Minimum MVSc)
- b. Four faculty members with BVSc

In case more than one diploma course is offered by an affiliated institute it shall have to make modular additions in infrastructure of academic block, laboratory, hostel and in personnel as per specific requirement of the diploma course as per instruction of the Dean COVS LLRUVAS.

## Annexure 1-A

# **Equipments and related material for Veterinary Hospital**:

The attached teaching veterinary hospital should have all the essential facilities required for diagnosis and treatment of medicinal, surgical, gynecological & obstetrical ailments in different animal species. The minimum equipment and other materials are suggested below.

Name Quantity		
•	Cattle crush	2
•	Al crate	1
•	Operation table	1
•	Shadow less lamp	1
•	Surgical instruments : Complete Surgical set	4 sets
	with various kinds of surgical instruments:	
•	Teat & udder instruments	2 sets
•	Cautery set	1
•	Autoclave	1
•	Hot air oven	1
•	Sterilizer unit	2
•	Teeth rasper & teeth cutter	1 each
•	Intravenous drip stands	2
•	Gray's mouth gag	2
•	Obstetrical set	2
•	Whelping set	1
•	Vaginal speculum	1
•	A. l. guns	1 set each
•	Stomach tubes	2

•	Burdizzo casterator	1	
•	Refrigerator (double door)	1	
•	Monocular microscope	2	
•	Binocular microscope	1	
•	Swab holder	1	
•	Liquid nitrogen Cylinder (LN2 containers)	1 each	
	small and large		
•	Drenching bottles	2	
•	Irrigators	2	
•	Thermometers (simple and digital)	10 each	
•	Stethoscope	5	
•	Syringes of various volumes 1 ml to 50 ml	30 each	
•	Tuberculin syringes	30	
•	Needles 23, 22, 20, 18, 16, 15 gauges	30 each	
•	Catheters	as per need	
•	Insemination catheter	2	
•	Marble slabs	2	
•	Spatula (iron, plastic and ebonite)	2	
•	Mortar and pestle (porcelain and glass)	2	
•	Stethoscopes for demonstration	10	
•	Artificial Vagina	8	
•	Mortar & pestle	2	
•	Disposable and rubber gloves	as per need	
•	Suture materials (silk and catgut)	as per need	
•	Haemocytometer sets	2	
•	Haemoglobinometer sets	2	
•	Other accessories for blood, urine and fecal examination		
•	Biochemicals and reagents required for preparation of	f lotions, tinchers,	

ointments etc.

# Annexure 1-8

# Equipments and related material for Animal farm:

•	Shearing and Clipping equipment	1 set
•	Debeaking equipment	1 set
•	Egg Candler	1
•	Egg grading Machine	1
•	Branding set	1
•	Electric clippers	2
•	Lactometer	4
•	Ropes for different halters	as per need
•	Bull holder	as per need
•	Bull nose punch	as per need
•	Trocar	5
•	Body brush	5
•	Metal/plastic tags	as per need
•	Tag punch	as per need
•	Ear Natcher	5
•	Trays	as per need
•	Electric dehorner	as per need
•	Saw	2
•	Mouth gags	as per need
•	Buckets	as per need
•	Nose pipe	as per need
•	Milk Strainer	as per need
•	Drencher	5
•	Clinical thermometer	10

•	Floor brooder	as	per	need
•	Battery brooder	as	per	need
•	Brooder guard	as	per	need
•	Grower battery	as	per	need
•	Layer battery	as	per	need
•	Chick feeder	as	per	need
•	Grower feeder	as	per	need
•	Layer feeder	as	per	need
•	Hanging feeder	as	per	need
•	Range feeder	as	per	need
•	Chick drinker/waterer	as	per	need
•	Grower drinker/waterer	as	per	need
•	Adult drinker/waterer	as	per	need
•	Earthen waterer	as	per	need
•	Water channel	as	per	need
•	Wing band	as	per	need
•	Leg band	as	per	need
•	Debeaker			2
•	Raker			2
•	Grinder			2
•	Mixer			2
•	Vaccinator			5
•	Bukhari	as	per	need

Any other material required for proper and smooth functioning of the farm.

# Annexure 1-C

# **Equipments, Labware and other material for laboratories**:

 Charts depicting animal systems: Full chart showing animal's digestive system, Reproductive System, Respiratory system, Circulatory system, Excretory system etc.

ltem		Quantity
•	Bone sets for each species	1each
•	Microscopes	6
•	Skelton of Buffalo, Fowl, dog, sheep/goat	1each
•	Glassware (Slides, petridishes, Measuring cylinde	ers, centrifuge,
	Tubes, flasks, beakers etc.)	as per need
•	Electronic weighing balance	1
•	Distillation set	1
•	Vernier calipers	1
•	Binocular Microscopes	1
•	pH meter	1
•	Staining Jars	15
•	Haemocytometer sets	5
•	Haemoglobinometer sets	5
•	Centrifuge table top type	1
•	Microhematocrit tubes	as per need
•	Wintrobes sets	2
•	Manometers (Mercury)	2
•	Sphigmo manometers (dial type)	2
•	Thermos flasks	2

Specimen jars containing different organs 20 of different species.

The list is only suggestive. Any other equipment/material required for practical training to students as per course curriculum is a must.

### Annexure 1-D

## Biochemicals and reagents required for conducting various practical:

- 1. Gerber acid
- 2. Ethyl Alcohol
- 3. Alizarine
- 4. lodine
- 5. Resorcinol powder/flakes
- 6. Cone. HCl
- 7. Cone. H2SO4
- 8. Ferric chloride solution
- 9. Paraphenylene diamine solution
- 10. Diluted HCl
- 11. Ethyl alcohol
- 12. Rosalie acid solution
- 13. Sodium hypo chloride solution
- 14. Sodium hydroxide
- 15. Phenol solution Trichloroacetic acid solution (TCA) 24 % (w/v)
- 16. Sodium acetate
- 17. Acetic acid
- 18. Sodium carbonate (AR)
- 19. Sodium bicarbonate
- 20. Disodium p-nitro phenyl phosphate
- 21. Methylene blue tablet
- 22. Buffer solutions
- 23. Phenolphthalein indicator
- 24. |sa-amyl alcohol (specific gravity 0.814 0.816)
- 25. Standard sodium hydroxide solution
- 26. Salicylic acid
- 27. Phenyl

- 28. Lead acetate
- 29. Red lodide of Mercury
- 30. Acriflavin
- 31. Giemsa stain
- 32. Leishman's stain
- 33. Acetone
- 34. Boric Acid
- 35. lodine
- 36. Potassium lodide
- 37. Zinc oxide
- 38. Zinc sulphate
- 39. Bismuth subnitras
- 40. lodoform, Sulphur
- 41. Liquid Paraffin
- 42. Magnesium sulphate
- 43. Copper sulphate
- 44. KMNO4
- 45. Alcohol etc.
- 46. Sodium Tri. Poly Phosphate
- 47. Sodium Nitrate
- 48. Sodium Nitrite
- 49. pH paper strips
- 50. Filter paper Whatman No. 42

Any other chemical required for the laboratory work

# **COLLEGE OF VETERJNARY SCIENCES** LALA LAJPAT RAJ UNIVERSITY OF VETERINARY& ANIMAL SCIENCES, HISAR

# APPLICATION FORM FOR GRANT OF AFFILIATION FOR VETERINARY LIVESTOCK DEVELOPMENT DIPLOMA COURSE

f(a)	Name of the Institution seeking affiliation.
(b)	Full postal address where the institute ls or is to be located with pin code; Telephone /fax No; e-mail; website etc.
2.	Name of the course (s) and academic year for which affiliation is being sought.
3.	Particulars of NOC from Haryana Govt. (attach proof).
4 (a)	Name and full address of society/trust with proof of registration and a copy of constitution (attach details).
(b)	Constitution and composition of the managing committee/governing body and its powers (attach details)
5.	Resolution of Managing committee/ governing body for opening of an institution for offering Diploma course (attach copy).
6.	Details of the other educational /training Institutions being run by the Society/Trust/Organisation.

6.

future resources, projected expenditure and income, fixed and liquid assets, statements of accounts PAN/ TAN No, income tax returns for last three years and other relevant proofs to be attached. Bank guarantee Rs. Fifty lakhs shall have to

be submitted to the Dean COCV, LLRUVAS on getting the affiliation.

10. Details of college transport facilities.

- ! I. Teaching non teaching supporting staff recruited as per procedure and Guidelines affiliation of institutions offering/desirous of starting VLDD course.
- 12. Details (Year, make, date and cost) of equipments and related material for Veterinary Hospital already available/ as per Norms, Procedure & Guidelines for affiliation of institutions offering/desirous of starting VLDD Course (As per-Annexure | A)
- 13. Details of equipment arid related material for Animal Farm available in the institution as per Norms, Procedure & Guidelines for affiliation of institutions offering/desirous of starting VLDD Course (Asper Annexure I B)
- 14. Details of equipment, labware and other material for laboratories available in the institution as per Norms, Procedure & Guidelines for affiliation of institutions offering/desirous of starting VLDD Course (As per Annexure I-C)
- 15. Details of Biochemicals and reagent available in the institution as per Norms, Procedure & Guidelines for affiliation of institutions offering/desirous of starting VLDD Course (As per Annexure | D)
  - 16. Any other relevant information.

Signature of Applicant (or Authorized Signatory)

#### Note:

r../-

- 1. The application incomplete in any respect will not be considered.
- 2. Processing fee of Rs. 2.5 lakhs +50,000 in the form of D.D in favor of Dean COYS LLRUVAS, Hisar payable at Hisar must accompany the application.
- 3. The application not accompanied by the declaration as per format given on the following page and the undertaking as per annexure -1 (by the applicant of the authorized signatory) will be not the considered.
- 4. Bank guarantee of Rs. Fifty lakhs shall have to be submitted to the Dean COVS,,LLRUVAS on getting the affiliation.
- 5. On grant of affiliation the institution shall have to pay the prescribed Administrative and Academic charges to COYS on yearly basis.

**Declaration** 

1 /

On behalf of the	(name of society/trust/
	Son/daughter of
Resident of	do here declare that the particular
in the application for grant of affiliation	for VLDD course to
(name of college/ institution) are correct to	the best of my knowledge and belief and that I
am prepared to undergo any punishment	t imposed on me if any of the particulars
furnished are found to be false or misleading	ng. I also further declare that I shall abide by
the conditions rules and regulative measures	s imposed by the college/University/ Govt. of
Haryana/VCI, GOT from time for granting p	permission/ affiliation to establish and run this
college/institution/VLDD course.	
Station: Date:	Signature of the applicant (or Authorized Signatory)

## Annexure-1

(To be submitted along with the applicant from on 11 judicial stamp paper of Rs. 1000/duly attested by first class executive magistrate)

UNDERTAKING
-------------

I,	S/O Shriof
	(complete address) do hereby undertake as
und	er:
a)	That I will strictly adhere to the rules and regulations framed by College of Veterinary Sciences, Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar for admissions, management, academic standards or any other matter of the institution in respect of VLOD course.
b)	That I will abide by the Haryana Government directions from time to time regarding he admission procedure, fee structure of the students or any other matter in this regard.
c)	That I will abide by the Haryana Government rules regarding necessary approval for buildings and abide by the guidelines of Haryana Pollution Control Board /Animal Welfare Board of India or any other appropriate authority.
d)	That I will abide by directions of the College of Vety. Sciences, LLRUVAS, Hisar or Haryana Government to provide necessary records of the College to Inspection Team at the time of scheduled/ surprise inspections.
e)	That I will abide by the provisions of Right to Information Act, 2005 wherever cable.
f)	In case, any of the conditions are not met, the college may be deaffiliated/for VLDD Course.
Stat	re:
Dat	
	Signature of Applicant (Authorized signatory)