



VETERINARY COLLEGE WITH HOSPITAL

Introduction

Veterinary college and hospital associated with imparting education in the field of veterinary science. Veterinary hospital along with treating sick animals also provides practical training to the students.

Veterinary medicine is a branch of medicine that deals with the prevention, control, diagnosis, and treatment of diseases, disorders, or injuries in animals. The application of veterinary medicine is broad and includes all types of domestic and wild animals, with a wide range of conditions that can affect different types.

Veterinary science is widely practiced both with and without professional guidance. Professional care is most often directed through a veterinarian but also by para veterinary staff such as veterinary nurses or technicians. This can be supplemented by other paraprofessionals with specific specialties, such as animal physiotherapy or dentistry etc.

Market Potential

The size of global veterinary healthcare is expected to rise in the coming times due to a variety of reasons which includes increasing care shown by the pet owners and the awareness in regards of various health related issues among the pets. Veterinary education is gaining importance which leads to the scope of growth of veterinary college.

In developing country like India government and non-government organizations are taking steps to improve veterinary health care services. increasing investments in the veterinary hospitals as per the regulations provided in this respect to ensure quality service is a significant matter related towards of growth of this service in the near future.

Cost of Project

Particulars	Amount (Rs. in Lakhs)
Land own	-
Building with Civil Works	6,847.00
DG set (250 KVA)	45.00
Fixed Assets	1,814.98
Miscellaneous fixed assets	207.20
Medical Equipment	870.15
Escalation & Contingencies	489.22
Preliminary & Preoperative Expenses	1,046.93
Sub-total (A)	11,320.00
Working Capital Margin @40% of Total Working Capital Required	38.00
Total Project Cost	11,358.00
Total Working Capital Required (B)	95.00
MEANS OF FINANCE	
Total Funds Required(A+B)	11,415.00
<u>Loan Component-</u>	-
TERM LOAN	6,792.00
WORKING CAPITAL	57.00
Total LOAN AMOUNT (TL+WC)	6,849.00
Equity	4,566.00
Total	11,415.00

Detailed Cost Element

SL	Particulars	Quantity	Amount (Rs. In Lakhs)
	Veterinary Hospital Equipment		
1	Anesthetic Machine	2	11.00
2	Hematology Analyzer	5	42.50
3	Microscope	15	5.25
4	Advanced Digital X-Ray Machine	1	15.00
5	Veterinary Ultrasound Machine	5	22.50
6	Ct Scan Machine	1	30.00
7	MRI Machine	2	180.00
8	Defibrillators	10	22.00
9	Veterinary Monitors	15	9.75
10	Dual Syringe Pumps	35	22.75
11	Endoscope	4	4.80
12	Veterinary Stethoscope	10	2.22
13	Exam and Procedure Table	8	2.78
14	Anesthesia Trolley	15	5.10
15	Iv Pumps	5	1.50
16	Autoclaves and Sterilizers	1	3.00
17	Laparoscopy Machine	1	6.00
18	Laparoscopy Bull Dog Clamp	1	0.14
19	Laparoscopy Hand Instruments	12	0.72
20	Stainless Steel and Veterinary Instruments	3	6.00
21	Lab Animal Surgery Kit	3	9.00
22	Stainless Steel Surgical Castrator	8	0.54
23	Poultry Syringe	20	0.09
24	Animal Vaccinator Gun	12	0.14
25	Veterinary Operation Table	4	5.20
26	Veterinary Water Trade Mill for Hospital	1	27.00
27	Eye Tone Open Vet Tonometer	3	66.00
28	Gb Veterinary Cell Counter	2	6.00

29	Electric Dehorner	5	0.48
30	Drench Gun	12	0.41
31	Delivery Hook Set for Animal	2	0.00
32	Straw Holding Forceps	6	0.02
33	Goat Drencher	2	0.01
34	Research Equipment	-	2.00
35	Medical Gas	15	1.13
36	Infusion Pumps	4	1.40
37	Dental Equipment	4	4.00
38	MRI Equipment	1	100.00
39	Weighting Scales for Horse	1	0.62
40	Weighting Scales for Large Animal	1	0.39
41	Laser Therapy Equipment	-	1.45
42	Respiratory Ventilators	2	11.00
43	Scales	4	2.48
44	Surgical Lights	-	1.60
45	Equine Equipment	-	0.40
46	Veterinary Monitors	2	1.10
	Mammalian Lab Equipment		
1	Microscopes	50	3.75
2	Centrifuge	25	8.75
3	Veterinary Surgical Instrument Sets	75	3.75
4	Cell Division Models	25	0.60
5	Personal Protection Equipment	200	10.00
6	Veterinary Ultrasound System	7	31.50
7	Digital X-Ray Machine	7	27.65
8	Animal Weighing Machine	15	1.95
9	SINGLE SIDED Veterinary Stethoscope	50	5.00
	Veterinary Anatomy Equipment		
1	Microscopes	50	6.25
2	Incubators	15	3.30
3	Paraffin Embedded Beds	15	1.43
4	Refrigerators	5	0.28

5	Projectors	5	1.25
6	Animal Models	25	1.25
7	Plastinated Models of Organs	50	0.40
8	Led Monitors	15	1.88
9	Specimen Jars	75	4.13
10	Hot Air Oven	2	1.50
11	Autopsy Kit	50	7.13
	Animal Husbandry and Livestock Farming Equipment		
1	Rubber Cow Mats	10	0.30
2	Animal Feed Mixer	5	12.50
3	Stainless Steel Water Tankers	7	2.00
4	Cow Dunk Manure Spreader	5	2.75
5	Manure and Fertilizer Spreader	5	1.30
	Animal Nutrition		
1	Pharma Drying and Grinding Machine	5	2.10
2	Wiley Mill	7	2.70
3	Air Circulation Oven	3	5.94
4	Precision Balance	10	2.45
5	Desiccators	10	0.20
6	Muffle Furnace	5	1.60
7	Cellulose Extraction Thimbles	5	0.15
	Veterinary Microbiology		
1	Refrigerators	5	0.48
2	Hot Air Oven	2	1.50
3	Hot Plates	5	1.10
4	Bunsen Burners	25	0.06
5	Portable Gas Torch	25	0.04
6	Microscopes	20	1.50
7	Incubators	15	3.30

Clinical Lab Equipment			
1	Cauteries	10	7.50
2	Portable Ultrasound Scanners	5	18.80
3	Anesthesia Machine	2	6.70
4	Washer Disinfectors	3	13.35
5	Veterinary Tables	15	9.00
6	Veterinary Telemetry System	15	2.25
7	Infusion Pumps	15	3.90
	TOTAL		8.60

Contingencies and Escalations

It has been assumed at approximately 5% at cost.

Preliminary Expenses

Particulars	Amount (RS. in Lakhs)
Incorporation Expenses	1.50
Project Report Preparation and Consultation	0.35
Feasibility and Engineer's/Architect's Report and Plans	171.18
Legal Charges - Drafting for agreements, contracts, stamp paper, notary and affidavit cost	1.50
Security Guard and others	44.64
Interest Cost for period before commercial operations	827.77
Total	1,046.93

Salary

Designation	Manpower	Amount (Rs. In Lakhs)
Veterinary Doctor	6	50.4
Veterinary Surgeon	2	22.8
Veterinary Dermatologist	2	18.00
doctor md medicine	2	22.8
veterinary Technologist	2	18.00
orthopedic surgeon	1	11.4
Laboratories veterans	2	16.8
lab attendant	2	7.2
Companion animal veteran's	2	8.4
Exotic animal companions	2	8.4
Equine veteran	2	12.00
Nurses	15	45.00
Office boy	4	7.2
Sweeper	4	4.8
Security guard	12	14.4
Professors	12	45.6
Manager/Dean	2	-
Office Staff/ Administrator etc.	8	9.00
Sweeper	6	2.88
Security Guard	6	8.64

Profitability Statement

Particulars	Amount (Rs. in lakhs)						
	Year- 1	Year- 2	Year- 3	Year- 4	Year- 5	Year- 6	Year- 7
A. INCOME							
student intake capacity	200	400	600	800	1,000	1,000	1,000
Capacity utilization	100%	100%	100%	100%	100%	100%	100%
Capacity utilized- students	200	400	600	800	1000	1000	1000
Maximum Capacity – Patient	100	100	100	100	100	100	100
Capacity utilization	60%	65%	70%	75%	80%	85%	90%
Capacity utilized- patients	60	65	70	75	80	85	90
outdoor patients	9,000	9,000	9,000	9,000	9,000	9,000	9,000
Capacity utilized- patients	60%	65.00%	70.00%	75.00%	80.00%	85.00%	90.00%
capacity utilization	5,400	5,850	6,300	6,750	7,200	7,650	8,100
Revenue from students							
yearly academic and hostel fees	1,010.00	2,020.00	3,030.00	4,040.00	5,050.00	5,050.00	5,050.00
Other revenue (canteen, sale of books, accessories)	200.00	400.00	600.00	800.00	1,000.00	1,000.00	1,000.00
Revenue from hospital	695.25	753.19	811.13	869.06	927.00	984.94	1,042.88
Total income during the year	1,905.25	3,173.19	4,441.13	5,709.06	6,977.00	7,034.94	7,092.88
B. OPERATING EXPENSES							
Medicine cost	173.81	188.30	202.78	217.27	231.75	246.23	260.72
Salary	333.72	372.90	429.19	488.68	529.97	546.37	563.58
Consumables	16.00	32.00	48.00	64.00	80.00	80.00	80.00
Expenses on various programs, seminars, placements etc.	20.00	40.00	60.00	80.00	100.00	100.00	100.00
Research and Development	40.00	80.00	120.00	160.00	200.00	200.00	200.00
Repair & Maintenance	57.16	95.20	133.23	171.27	209.31	211.05	212.79
Power & utilities	345.60	345.60	345.60	345.60	345.60	345.60	345.60
Depreciation and Amortization	806.69	806.69	800.69	684.79	684.79	475.41	475.41
Total Operating Expenses	1,792.99	1,960.69	2,139.50	2,211.61	2,381.43	2,204.66	2,238.10
Operating Profit (A-B)	112.26	1,212.50	2,301.62	3,497.45	4,595.57	4,830.28	4,854.78
C.FINANCIAL EXPENSES							
Interest on term loan	575.37	561.38	528.09	466.11	355.89	215.86	75.84
interest on working capital	4.85	4.85	4.85	4.85	4.85	4.85	4.85
D. Other Expenses							
Administrative and General Expenses	47.63	79.33	111.03	142.73	174.43	175.87	177.32
Total Expenses	627.85	645.56	643.96	613.68	535.16	396.58	258.00
Profit Before Tax	-515.59	566.94	1,657.66	2,883.77	4,060.41	4,433.70	4,596.77
Provision for Tax	-128.90	141.73	414.41	720.94	1,015.10	1,108.43	1,149.19
Profit After Tax	-386.69	425.20	1,243.24	2,162.82	3,045.31	3,325.28	3,447.58
Dividend	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Retained Profit	-386.69	425.20	1,243.24	2,162.82	3,045.31	3,325.28	3,447.58

Breakeven Point

Break Even Point (BEP)		Amount (Rs. In Lakhs)						
SL	Particulars	Year - 1	Year - 2	Year - 3	Year - 4	Year - 5	Year - 6	Year - 7
A.	Net Sales	1,905.25	3,173.19	4,441.13	5,709.06	6,977.00	7,034.94	7,092.88
B.	Variable Cost							
	Consumables	16.00	32.00	48.00	64.00	80.00	80.00	80.00
	Medicine cost	173.81	188.30	202.78	217.27	231.75	246.23	260.72
	Power and Utility	345.60	345.60	345.60	345.60	345.60	345.60	345.60
	Total Variable Cost	535.42	565.90	596.39	626.87	657.35	671.84	686.32
C.	Contribution (A-B)	1,369.83	2,607.29	3,844.74	5,082.19	6,319.65	6,363.10	6,406.55
D.	Fixed cost							
	Salary	333.72	372.90	429.19	488.68	529.97	546.37	563.58
	Interest on Term Loan	575.37	561.38	528.09	466.11	355.89	215.86	75.84
	Interest on working capital	4.85	4.85	4.85	4.85	4.85	4.85	4.85
	Expenses on various programs, seminars, placements etc.	20.00	40.00	60.00	80.00	100.00	100.00	100.00
	Repair & Maintenance	40.00	80.00	120.00	160.00	200.00	200.00	200.00
	Research and developments	57.16	95.20	133.23	171.27	209.31	211.05	212.79
	Depreciation and Amortization	806.69	806.69	800.69	684.79	684.79	475.41	475.41
	Total Fixed Cost	1,837.79	1,961.02	2,076.05	2,055.70	2,084.81	1,753.52	1,632.46
E.	Breakeven Point	134%	75%	54%	40%	33%	28%	25%
F.	Cash BEP	75%	44%	33%	27%	22%	20%	18%

Debt-Service Coverage Ratio

		Amount (Rs. In Lakhs)						
SL	Particulars	Year - 1	Year - 2	Year - 3	Year - 4	Year - 5	Year - 6	Year - 7
I	Profit	-386.69	425.20	1,243.24	2,162.82	3,045.31	3,325.28	3,447.58
ii	Depreciation	806.69	806.69	800.69	684.79	684.79	475.41	475.41
iii	Interest on term loan	575.37	561.38	528.09	466.11	355.89	215.86	75.84
A	Total (i + ii + iii)	995.38	1,793.28	2,572.03	3,313.73	4,085.99	4,016.54	3,998.83
I	Interest on term loan	575.37	561.38	528.09	466.11	355.89	215.86	75.84
ii	Principal repayment	25.00	300.00	500.00	1,000.00	1,647.43	1,647.43	1,647.14
B	Total (i + ii)	600.37	861.38	1,028.09	1,466.11	2,003.32	1,863.29	1,722.98
	DSCR (A / B)	1.66	2.08	2.50	2.26	2.04	2.16	2.32

Interest on Term Loan and Principal Repayment

Refer Annexure I for Loan Repayment Schedule.

We have assumed the repayment tenure of term loan for a period of 7 years, Rate of interest being 8.5% p.a. with a moratorium period of 36 months.

Address of Vendors

Name of Vendor	Address and Contact Number
Kanika medical	Shop 99, Municipal Super Market Complex, Sodepur, Kolkata, West Bengal 700110 Ph. 098313 45723
Debco Pharma Pvt Ltd	48/C, Garcha Road, Ballygunge, near Law College, Kolkata, West Bengal 700019 Ph. 033 2486 3681
S.N. Medical System	Door no. 14-11-2, Rama Jogi Peta, Maharani Peta Cell Tower Building Visakhapatnam - 530002, Andhra Pradesh Ph. 08048707084

ANNEXURE - 1

Year	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9	Month 10	Month 11	Month 12	Annually
I													
Principal													
Opening	6,792.00	6,787.83	6,783.67	6,779.50	6,775.33	6,771.17	6,767.00	6,762.83	6,758.67	6,754.50	6,750.33	6,746.17	
Repaid	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	4.17	25.00
Closing	6,787.83	6,783.67	6,779.50	6,775.33	6,771.17	6,767.00	6,762.83	6,758.67	6,754.50	6,750.33	6,746.17	6,742.00	
Interest	48.11	48.08	48.05	48.02	47.99	47.96	47.93	47.90	47.87	47.84	47.81	47.79	575.37
II													
Principal													
Opening	6,742.00	6,717.00	6,692.00	6,667.00	6,642.00	6,617.00	6,592.00	6,567.00	6,542.00	6,517.00	6,492.00	6,467.00	
Repaid	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	25.00	300.00
Closing	6,717.00	6,692.00	6,667.00	6,642.00	6,617.00	6,592.00	6,567.00	6,542.00	6,517.00	6,492.00	6,467.00	6,442.00	
Interest	47.76	47.58	47.40	47.22	47.05	46.87	46.69	46.52	46.34	46.16	45.99	45.81	561.38
III													
Principal													
Opening	6,442.00	6,400.33	6,358.67	6,317.00	6,275.33	6,233.67	6,192.00	6,150.33	6,108.67	6,067.00	6,025.33	5,983.67	
Repaid	41.67	41.67	41.67	41.67	41.67	41.67	41.67	41.67	41.67	41.67	41.67	41.67	500.00
Closing	6,400.33	6,358.67	6,317.00	6,275.33	6,233.67	6,192.00	6,150.33	6,108.67	6,067.00	6,025.33	5,983.67	5,942.00	
Interest	45.63	45.34	45.04	44.75	44.45	44.16	43.86	43.56	43.27	42.97	42.68	42.38	528.09
IV													
Principal													
Opening	5,942.00	5,858.67	5,775.33	5,692.00	5,608.67	5,525.33	5,442.00	5,358.67	5,275.33	5,192.00	5,108.67	5,025.33	
Repaid	83.33	83.33	83.33	83.33	83.33	83.33	83.33	83.33	83.33	83.33	83.33	83.33	1,000.00
Closing	5,858.67	5,775.33	5,692.00	5,608.67	5,525.33	5,442.00	5,358.67	5,275.33	5,192.00	5,108.67	5,025.33	4,942.00	
Interest	42.09	41.50	40.91	40.32	39.73	39.14	38.55	37.96	37.37	36.78	36.19	35.60	466.11
V													
Principal													
Opening	4,942.00	4,804.71	4,667.43	4,530.14	4,392.86	4,255.57	4,118.29	3,981.00	3,843.71	3,706.43	3,569.14	3,431.86	
Repaid	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	1,647.43
Closing	4,804.71	4,667.43	4,530.14	4,392.86	4,255.57	4,118.29	3,981.00	3,843.71	3,706.43	3,569.14	3,431.86	3,294.57	
Interest	35.01	34.03	33.06	32.09	31.12	30.14	29.17	28.20	27.23	26.25	25.28	24.31	355.89
VI													
Principal													
Opening	3,294.57	3,157.28	3,020.00	2,882.71	2,745.43	2,608.14	2,470.86	2,333.57	2,196.28	2,059.00	1,921.71	1,784.43	
Repaid	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	137.29	1,647.43
Closing	3,157.28	3,020.00	2,882.71	2,745.43	2,608.14	2,470.86	2,333.57	2,196.28	2,059.00	1,921.71	1,784.43	1,647.14	
Interest	23.34	22.36	21.39	20.42	19.45	18.47	17.50	16.53	15.56	14.58	13.61	12.64	215.86
VII													
Principal													
Opening	1,647.14	1,509.88	1,372.62	1,235.36	1,098.09	960.83	823.57	686.31	549.05	411.78	274.52	137.26	
Repaid	137.26	137.26	137.26	137.26	137.26	137.26	137.26	137.26	137.26	137.26	137.26	137.26	1,647.14
Closing	1,509.88	1,372.62	1,235.36	1,098.09	960.83	823.57	686.31	549.05	411.78	274.52	137.26	-0.00	
Interest	11.67	10.69	9.72	8.75	7.78	6.81	5.83	4.86	3.89	2.92	1.94	0.97	75.84