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Clinical Success Story

RKVY Transforms and Modernize Veterinary Services to the Farmers

The best doctor in the world is a Veterinarian

He can't ask his patients what is the matter,

He has got to just know - Will Rogers

The above mentioned fact is the main strength of the VCC.

Traditionally Animal Husbandry is complimentary to Agriculture in strengthening the rural economy. The role of livestock in generating employment and income in rural areas is well established. The gross value of output from livestock sector is more than 26 % of agricultural output. With growing population of the country it seems difficult whether agriculture alone can fulfill the increasing food demands of the state. It is therefore necessary to take care of livestock and poultry as they are integral part of rural economy. The productivity of livestock is much less in Maharashtra as compared to other states. With formation of Maharashtra Animal and Fishery Sciences University, now it is the responsibility of this university to take necessary steps to enhance human resource development and thereby improving productivity of livestock.

Expert faculty with diverse specialties is available in the Department. This is the only Veterinary College in the state to operate on 24 X 7 basis. Faculty is involved in Continuing Veterinary Education (CVE) for professional skill development of Field Veterinarians through the various training programmes conducted by the Institutions like VANAMATI and the University also organizes various seminars, symposium, conferences and short term training programmes for the students and the field officers. The Department has close linkage with the livestock keepers in the adjoining areas.

But lack of financial support, infrastructural facility and old and dilapidated condition of hospital building were the main constraints and challenges in meeting the objectives. Therefore it was felt to have the new building and availability of modern equipments and instruments to meet the current needs of the VCI minimum standards and for providing quality services. This could be effective to link the



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knowledge transfer to students/veterinarian/grass root level workers.

The participation of LL, BPL and marginal farmers is increasing in the dairy animal keeping. The high yielding animals are susceptible to metabolic disorders and haemoprotozoan diseases which often requires early diagnosis and treatment. Of the total ailing pet animals presented, major portion of them are being treated either for ARF or CRF. A sizeable number of pet animals are also treated for cardiac problems. Diverse species of wildlife are treated for dermatological, renal, digestive, metabolic, hepatic disorders. It is the need of today to have the separate units like nephrology, cardiology, respiratory, dermatology, neonatal care, endoscopy, ophthalmology, wildlife unit, emergency medicine unit, imaging technique Unit. Establishment of continuing professional development centre is of utmost importance for the transfer of expertise in diagnostics and therapeutics at field level, thereby benefitted the farmers in general and livestock owners in particular.

Basically, Veterinary Clinical Complex is the unit from where the department's viz. Veterinary Medicine, Veterinary Surgery & Radiology, Veterinary Gynecology & Obstetrics, Veterinary Pathology, Veterinary Microbiology, Veterinary Parasitology and Veterinary Physiology and Biochemistry operates training and services. Therefore it is a multidisciplinary department and strengthening of this department shall result in strengthening of 7-8 departments and shall be useful in imparting education as per the Minimum Standards of Veterinary Education - Degree Course (B.V.Sc. & A.H.) Regulations, 2008 under the VCI Act 1984.

The project was aimed at creating the State of the Art facility which shall deliver the health coverage to the livestock and pet owners of the Nagpur region and adjoining states and shall be helpful in producing expert human resource by imparting education to the undergraduate, postgraduate students of the MAFSU. Further, it shall also cater the need of continued veterinary education/training to the field veterinarians of the Animal Husbandry department which ultimately give better and expertise services to the farmers and livestock owners of the State.

The present Teaching Veterinary Clinical Complex (TVCC) under Nagpur Veterinary College was established in the year 1986 with the Central Assistance Funding from the ICAR New Delhi. The establishment of this Veterinary Hospital



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has fulfilled a long felt need of Nagpur Veterinary College which did not have a Veterinary Hospital of its own and suffered a great handicap in respect of offering clinical practice to the final year B.V.Sc and A.H. , Post Graduate as well as Ph.D. students in Clinical subjects. The Hospital started functioning w.e.f. 01/06/1986 and suitably renovated and equipped with essential instruments through RFS sanctioned by ICAR. The hospital, at present is being managed by VCC and teaching staff of clinical departments of Nagpur Veterinary College with the object of providing clinical practice to the students as best as possible. The Hospital has gained popularity not only in the city, but the cases are referred from the nearby districts of the state and the adjoining states such as Chhattisgarh, Madhya Pradesh, Telangana and Andhra Pradesh.

During the first and second year of the project, TVCC was restructured by constructing required new space and acquiring proposed equipments/instruments by adopting official laid down procedure. The departmental staff was employed for creation of state of the art facility.

Professional development training considering modern veterinary practice were arranged. Total 120 field veterinarians from the State Animal Husbandry Department were trained in a batch of 15 trainees for five days (residential training for five days). The course outline for cardiology, nephrology, ophthalmology, endoscopy, neonatal care, emergency medicine, wildlife medicine, imaging technique, soft tissue and orthopedic surgeries, laparoscopy, ultrasound etc. were drawn in detail giving more emphasis on hands on training. Efforts were taken to address the problem solving cases. Further, it will be endeavored to generate a database.

In first year of project, construction of new building and alterations in existing building. Purchase of equipments/instruments/appliances. In house training to the departmental staff was conducted for standardization of protocol for newly procured equipments/instruments.

In Second year, construction of building and purchase of equipments / instruments / appliances was continued. Management of referral cases and database generation was continued throughout the project period.



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Targeted beneficiaries are Field Veterinarians, Private practitioners, veterinarians from other states, Undergraduate, Postgraduate, doctoral degree veterinary students and relevant Department and veterinary college.

In the light of the above, there was clearly a great scope for Modernization of Veterinary Clinical Complex for continuing professional development in the animal health delivery systems. Total grants of **Rs.691.32 lakh** was approved under the RKVY project for Modernization of Veterinary Clinical Service Complex and providing ultramodern diagnostic and therapeutic services to the livestock and pet owners of the region and continued professional education, training and demonstration to the field staff of the Department of Animal Husbandry.

From 2021, hospital shifted to new building which was constructed under the project. The new building of Veterinary Clinical Complex was inaugurated at the hands of Hon'ble Shri Nitinji Gadkari, Union Minister for Road, Transport and Highways of India in the presence of Hon'ble Shri Sunilji Kedar, Cabinet Minister for Animal Husbandry, Dairy Development, Sports & Youth Welfare, Maharashtra on 11th September, 2021.

The clear messages from the project were transmitted to the field vets who can use them. The expected outcome of the proposed project was facilitating an exchange between academicians and field vets. The project is helping in establishing a cadre of clinicians with thorough training, improved delivery of Animal Health Services, continuous professional development of field veterinarians, adequate hands on training to future veterinarians/students, policy of cost recovery can be introduced in certain areas, generation of database, establishment of distance learning programme on livestock health, improved quality Animal Health Delivery Systems at the farmer's door, enhancement of livestock production, appropriate hands on training to UG/PG, doctoral degree students.

The main strength of this hospital is the students/future veterinarians who will serve the state and nation for another era. These students are largely benefitted because of sufficient facilities of hands-on-training on ultramodern equipments and instruments. The infrastructure and modern equipment procured through the project have greatly helped in conducting quality research in the clinical and para-clinical



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disciplines and till this year, total 11 students have completed their Masters'/doctoral research utilizing the facilities. The students used the advanced equipment like Laparoscopy, endoscopy, urethroscopy, laser, ECG, colour Doppler, ultrasound, hematology Cell Counter, Biochemical analyser, Blood gas analyser, Holter ECG, C Arm etc. during the masters' and doctoral research programme. The future veterinarians are multiplying forces for the Nation. Also, the livestock owners of the Nagpur city and the adjoining districts of Nagpur have been largely benefitted, as they availed the 24x7 veterinary facility under the one umbrella. The overall impact of the project was that there was drastic improvement in diagnostics and therapeutics in general which directly benefits the livestock owners. The same was reflected through the increasing number of patients attended at the hospital thereby increasing the receipts of the hospital. The figures are depicted in the table and represented graphically as below.

Before start of Project			
Sr. No.	Year	Number of cases	Receipts (Rs.)
1.	2010-11	12,310	17,13,544
2.	2011-12	14,975	19,48,491
3.	2012-13	16,201	21,62,574
4.	2013-14	17,486	23,19,410
5.	2014-15	22,251	33,66,825
6.	2015-16	24,190	40,84,160
7.	2016 -17	27,627	45,08,515

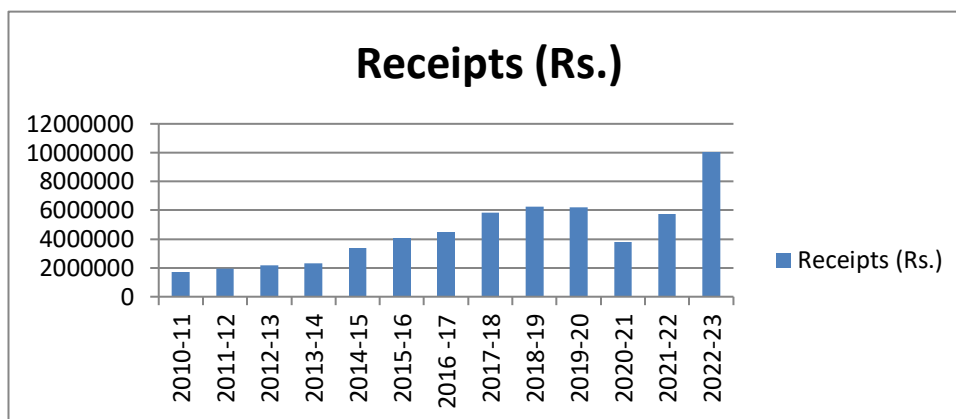
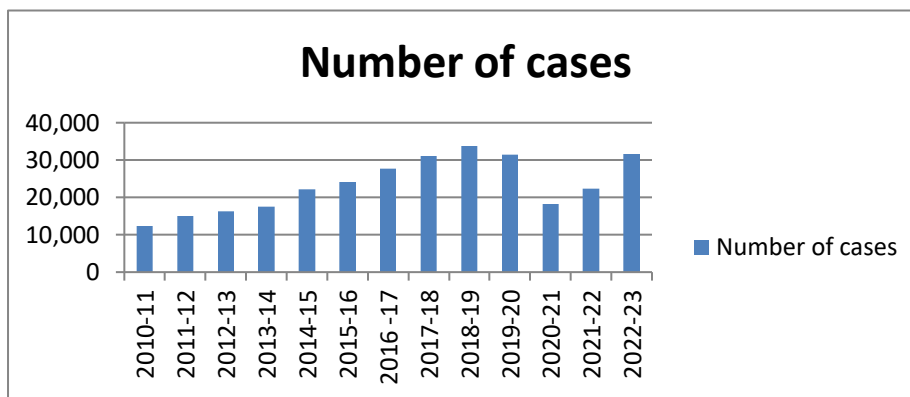
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After Project			
Sr. No.	Year	Number of cases	Receipts (Rs.)
1.	2017-18	31,163	58,14,671
2.	2018-19	33,752	62,51,095
3.	2019-20	31,516	61,98,055
4.	2020-21	18,199	37,98,245 (Pandemic period)



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5.	2021-22	22,409	57,46,525
6.	2022-23	31,700	1,00,25,980



RKVY Training for Animal Husbandry Officers



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Dignitaries present on dais	Trainee's during the lectures
Hon'ble Vice Chancellor MAFSU during lightening the candle	Hon'ble Vice Chancellor MAFSU addressing the participants
	
Dr. S.V. Upadhye, D.I. & Dean (Vet), MAFSU, Nagpur addressing the participants	Demonstration of surgery in small animal
	
Dr. S. B. Akhare delivering the lecture	Demonstration of Ultrasound examination in a dog
<p>➤ Hospital Timings Monday to Friday: 9.30 AM To 12.00 PM 4.00 PM To 6.00 PM Saturday: 9.30 PM To 12.00 PM</p>	