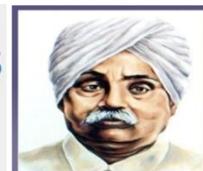




LALA LAJPAT RAI UNIVERSITY OF VETERINARY AND ANIMAL SCIENCES

लाला लाजपतराय पशु चिकित्सा एवं पशु विज्ञान विश्वविद्यालय



## RKVY Project Success stories – Dr. N. S. Maan, Principal Scientist, AN (2014-15)

Year 2014-15

**Title** : **Establishment of mineral analysis laboratory**  
**RKVY Scheme No.** : **4029-C (g) A.N.-03-O.A. (RKVY)**  
**Total Budget** : **Rs. 1,00,00,000=00**

**Co – Investigators**  
**Dr. Sajjan Sihag**  
**Dr. Nand Kishore**



**Co-investigators**  
**Dr. D. S. Dahiya**  
**Dr. V.S. Panwar**

**Dr. N. S. Maan , Principal Investigator**  
**Principal Scientist,**  
**Department of Animal Nutrition, COVS**

**Objectives:**

- 1.Establishment of fully equipped mineral analysis laboratory.**
- 2. Renovation of facilities for conduction of feeding trials to study mineral requirement of animals.**

### **Facilities Generated:**

Three research laboratories have been renovated and equipped for processing of feed, fodder, biological samples for mineral analysis. Under the project the department has purchased the advance laboratory equipments and created facilities for quantitative and qualitative analysis of different parameters in feeds, fodder, milk, meat, egg and mineral mixtures.

The samples of compound poultry/dairy feed received from different institution/ NGO/farmers also are being analysed for quality parameters in these labs. The laboratories are also equipped to evaluate the quality of egg and milk. The research faculty and PG student are using the automatic electronic milk analyzer for estimation of protein, fat, SNF, lactose, water and total solid percent in milk and for estimating external and internal quality of egg e.g. yolk index, haugh unit, weight of egg, egg yolk colour, grade of egg, albumin height. etc.

RKVY Project Success stories – Dr. N. S. Maan, Principal Scientist, AN (2014-15)

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UV SPECTROPHOTOMETER



AUTOMATIC DISTILLATION SET



MILK ANALYZER



EGG QUALITY ANALYZER



**DIGITAL BOMB CALORIMETER      THERMOCYCLER**

**Beneficiaries:**

1. Livestock farmers of different communities
2. UG & PG students and research scholars of University

**Dr. N. S. Maan  
Principal Investigator**