



Prof. (Dr.) Rishendra Verma

B.Sc., B.V.Sc. & A.H., M.V.Sc., M.Sc. (UK), M.V.M. (NZ), Ph.D, D.Sc (Submitted)

National Veterinary Expert in Drugs and GMP

Dr. Rishendra Verma, a Gazetted Government of Indian Analyst under the Drugs and Cosmetics Act,1940, worked since 2001 to 2012 and brought several changes in the Drugs Regulatory System in Veterinary Drugs. His experiences in Quality Control of Veterinary Biologicals and Drugs are as follows:

LEADERSHIP POSITIONS

1. **Government Analyst for whole India**, regulates Quality Control of Veterinary Biologicals manufactured or imported in India, appointed by the Central Government
2. **Coordinator**, Indian Pharmacopoeia Veterinary Monograph, appointed by Secretary Member, Indian Pharmacopoeia Commission, GoI
3. **Member**, Drugs Consultative Committee, Ministry of Health and Family Welfare, Nirman Bhavan, New Delhi
4. **Member-Expert Committee on Animal Health** to review Import/Manufacture of veterinary drugs, Department of Animal Husbandry and Dairying, Ministry of Agriculture, New Delhi
5. **Member**, Committee for detailing the requirements and priorities in the **construction of the Veterinary Biological Production Quality Control Centre, Baghpat** vide letter from Department of Animal Husbandry and Dairying, Ministry of Agriculture, GoI letter No. 23-97/82-LDT (LH) (Pt.II) dated 26.12.2003
6. **Nominated Member**, Vaccine Production Board, Ministry of Health and Family Welfare, GoI, New Delhi
7. **Nominated Member**, Drugs Technical Advisory Board (DTAB), Ministry of Health and Family Welfare, New Delhi
8. **Member**, Project Evaluation Committee, Technology Development Board, Ministry of Science and Technology, GoI, New Delhi
9. **Member, ICMR “Task Force on Rickettsiosis”** [ICMR Letter No. 5/8/7/2/2002-ECD-1]
10. **Member, DBT Task Force** on Expert Group for Generating a Programme on Bovine Tuberculosis [OM No.BT/AA/01/BT/2003 Dated 10 October 2003]
11. **Member (DG’s ICAR Nominee)**, Management Committee, Central Avian Research Institute (CARI), Izatnagar
12. **Member**, Expert Group **DBT Meeting** on “Use of Recombinant Anthrax Vaccine-Formulations of Protocol for testing of anthrax vaccine in livestock”
13. **Member**, OIE Terrestrial Animal Health Standards Committee, Deptt. of Animal Husbandry

- and Dairying, Min. of Agril, New Delhi
14. **Resource Person** to OIE Matters in anti-microbial, Deptt. of Animal Husbandry and Dairying, Min. of Agril, New Delhi
 15. **Expert Member**, Staff Research Council, Animal Health, ICAR Research Complex for NEH Region, Barapani, Umiam, Meghalaya
 16. **Member**, Working Group to examine poultry feed supplements and premixes etc, Deptt. of Animal Husbandry and Dairying, Ministry of Agriculture, GoI
 17. **Expert Member**, Meeting on Menace of Monkeys and Translocation, Ministry of Environment and Forests, GoI, New Delhi
 18. **Expert**, Health Check up of monkeys, Ministry of Environment and Forests, GoI
 19. **Guest Editor**, **Natural Product Radiance Periodical**. National Institute of Science Communication and Information Resources (CSIR), New Delhi
 20. **Expert**, Scrutinization of Cattle Claims of **Oriental Insurance Co, Ltd** at Bareilly and Lucknow
 21. **National Convener**: National seminar on "Veterinary Biologicals: A Promising Area for Entrepreneurship *vis-a-vis* Quality Control Issues" (22-24 Aug 2008) during International Livestock and Dairy Expo at Pragati, Maidan, New Delhi

AS AN EXPERT TO NATIONAL VETERINARY BIOLOGICAL PRODUCTS

QUALITY CONTROL CENTRE (NVBPQCC), BAGHPAT

Sl. No.	Date of Visit	Place of Visit	Purpose
1.	9-10.4.2004	Baghpat	Meeting of Site Plan of National Veterinary Biological Products Quality Control Centre
2.	14.5.2004	New Delhi	Meeting of Risk Analysis Committee and Expert Group
3.	20.5.2004	JNU Stadium, New Delhi	Expert Committee to recommend and finalize the design and requirements in the construction of NVBPQCC
4.	18.6.2004	Baghpat	Expert Committee to recommend and finalize design of Animal House and construction of NVBPQCC
5.	7.7.2004	New Delhi	Meeting of the Expert Group on Animal Health
6.	30.8.2004	New Delhi	Joint Meeting of biological and drug group of revision of IP Vet Supplement
7.	19.11.2004	New Delhi	Meeting of the Expert Group on Animal Health
8.	19.11.2004	Loni, Ghaziabad	Meeting of the Expert Group to review the progress of Construction of NVBPQCC at Baghpat
9.	24.1.2005	JNU Stadium, New Delhi	Meeting on Quality Control of FMD vaccine

1. Joint- Inspection of Manufacturing Units

Inspected as an Expert with team of Central and State Drugs Inspectors and Assistant Commissioner, FDA, the following Veterinary Biological Manufactures

Sl.No.	Name of Firm inspected	Date of Inspection	Status of Firm
1.	Institute of Veterinary Biological Products, Aundh, PUNE	20 th May 2002	Govt of Maharashtra
2.	M/S Venkateshwara Hatcheries Ltd, PUNE	21 st May 2002	Multinational
3.	M/S Intervet India Pvt Ltd, PUNE	22 nd May 2002	Multinational
4.	Institute of Veterinary Biological Products, Mhow (M.P.)	11 th February 2003	Govt of Madhya Pradesh
5.	M/S Intervet India Pvt. Ltd, PUNE	15. 2. 2003	Multinational
6.	M/S Brilliant Industries Ltd, HYDERABAD	19. 9. 2004	Pvt Ltd
7.	Venkateshwara Hatcheries Ltd, PUNE	24.10.2004	Pvt Ltd
8.	M/s Indovax Pvt.Ltd., HISAR	27-28.4.2005	Pvt Ltd
9.	M/s Instt. of A.H. & V.B., MHOW	29-30.4.2005	State Govt
10.	M/s IAH & BP, Aundh, PUNE	11-12.5.2005	State Govt
11.	M/s Vesper Pharmaceuticals Ltd., Bangalore	23.5.2005	Pvt Ltd
12.	M/s Instt.of Vety.Preventive Medicine, Ranipet	25.5.2005	State Govt
13.	M/s Bio-Med(p) Ltd. Ghaziabad	28.10.2005	Pvt Ltd
14.	Indian Immunologicals Ltd, HYDERABAD	18.10.2005	Corporation
15.	M/S B. V. Biologicals, PUNE	23-25.1.2006	Pvt Ltd.
16.	M/S Indian Immunologicals Ltd., Hyderabad	05.6.2006	Corporation
17.	M/S Vet Biological Res. Instt, Hyderabad	06-06-2006	State Govt.
18.	M/S Venkateshwara Hatcheries Ltd, Pune	11-12.7.2006	Pvt Ltd
19.	M/S Indian Immunologicals Ltd., Hyderabad	27.4.2007	Corporation

20.	M/S Brilliant Industries Ltd, Hyderabad	28-4-2007	Pvt Ltd
21.	Veterinary Biol. Res. Instt., Hyderabad	26-4-2007	State Govt.
22.	M/S BioMed Pvt Ltd, Ghaziabad	1-2 June 2008	Pvt Ltd
23.	M/s Globian Biotech Ltd, Hyderabad	14-16.Oct .2009	Pvt Ltd
23.	M/s Vesper Pharmaceuticals, B'lore	26-27 April 2010	Pvt
24.	M/s Regional Veterinary Biologicals Unit, Jaipur	13-14 April 2010	State Govt
25.	M/S V.B. R. I., Hyderabad	28 October 2010	State Govt
26.	M/s Globian India Ltd.	24 March 2011	Pvt Ltd

IMPORTANT MEETINGS ATTENDED

Sl.No.	Subject and Place of Meeting	Date
FAO/OIE MEETING AT NEW DELHI		
	To attend and participate in OIE/FAO FMD Reference labs net work Meeting at NASC, New Delhi.	22-25.11.2009
	To attend the Inception workshop for the project Immediate Technical Assistance to Strengthen Emergency Preparedness for Highly Pathogenic Avian Influenza (HPIA) to India OSRO/IND?802/USA FAO Department of Animal Husbandry Dairying and Fisheries Ministry of Agriculture and food and Agriculture Organization of the united Nations	10-11.05.2010
BILL GATES FOUNDATION		
	Expert member in a meeting pertaining to Bill gates on Vet. Pharma and Bio. At Hyderabad.	21-24.2.2010
MINISTRY OF HEALTH and FAMILY WELFARE, DRUGS CONTROLLER GENERAL (INDIA)		
1.	34th Meeting of Drugs Consultative Meeting	8. 4.2002
	35 th Drugs Consultative Committee	29-30.2004
	Vaccine Production Board	14. 5.2004
	Participation in presentation on use of Centchroman as contraceptive in female dogs at the office of DCG(I)	19.10.2004
	Vaccine Production Board, Nirman Bhavan, New Delhi	21.7.2005

	Drugs Technical Advisory Board (DTAB), Nirman Bhavan, New Delhi	2. 8.2005
	Attended a meeting with Drugs Controller General (I) about FMD issues	18.4.2007
	55th Drugs and Technical Advisory Board (DTAB), New Delhi	6.7.2007
	Meeting of Scientific Body of Indian pharmacopoeia Commission at INSA, New Delhi	3.8.2007
	56th Drugs and Technical Advisory Board (DTAB), New Delhi	16.1.2008
	57th Drugs and Technical Advisory Board (DTAB), New Delhi	23.02.2009
	Attend DTAB meeting at FDA Bhawan, New Delhi	8-9.11.2009
	To participate in the meeting of 20 th Scientific Body Meeting of Indian Pharmacopoeia Commission at CIPL, Ghaziabad	21.08.2010
DEPARTMENT OF ANIMAL HUSBANDRY, DAIRYING AND FISHERIES, MINISTRY OF AGRICULTURE		
	Expert Committee of Import/Export of vaccines and Diagnostics, DAHD &F, Nehru Stadium, New Delhi	5. 5.2005
	Meeting regarding quality test of poultry vaccines for absence of AI virus, Krishi Bhavan, New Delhi	20.7.2005
	Attend CDDL Meeting, To pursue ICAR for availability of funds to 3.7.2009 CADRAD, To convene and participate in	28.6.2009
	Attended meeting to review the preparation of dossier on BSE at Krishi Bhawan, New Delhi.	17-18. 8.2009
	Attend Meetings to discuss relating to OIE General Session, Ministry of Agriculture. Department of Animal Husbandry Dairying and Fisheries New Delhi.	21.05.2010
	Meeting of Site Plan of National Veterinary Biological Products Quality Control Centre, Baghpat	9-10.4.2004
	Expert Committee to recommend and finalize the design and requirements in the construction of NVBPQCC, JNU Stadium, New Delhi	20.5.2004
	Expert Committee to recommend and finalize design of Animal House and construction of NVBPQCC, Baghpat	18.6.2004
	Meeting of the Expert Group on Animal Health, Krishi Bhavan, New	7.7.2004

	Delhi	
	Joint Meeting of biological and drug group of revision of IP Vet Supplement, New Delhi	30.8.2004
	Meeting of the Expert Group on Animal Health	19.11.2004
	Meeting of the Expert Group to review the progress of Construction of NVBPQCC, Baghpat	19.11.2004
	Meeting on Quality Control of FMD vaccine, JNU Stadium, New Delhi	24.1.2005
MEETING AT INSTITUTE OF VETERINARY BIOLOGICAL PRODUCTS, AUNDH, PUNE		
	Attended Technical Meeting with Institute of Veterinary Biological Products, Aundh, Pune	26-27 June 2007
	Attended and Participated in the Technical Meeting at Institute of Veterinary Biological Products Institute, Aundh, Pune	26-28.7.2007
	Attended Technical Meeting at Institute of Veterinary Biological Products, Aundh to advise for compliance of GMP	27-28.02.2009
	Participate in the Technical Meeting in the Instt. of Vet. Bio. Products, Aundh, Pune.	18-21.1.2010
INSTITUTE OF ANIMAL HEALTH AND VET. BIOLOGICALS, BANGALORE		
	Attend a meeting with Director, K.V.A.F.S.U. Institute of animal health and Veterinary Biologicals, Bangalore r/o Upgradation of Vaccine production laboratories at Instt. to comply cGMP Standards, Bangalore.	25-26.04.2010
ANIMAL VACCINE INSTT, GOVT. OF PUNJAB		
	Attend a meeting with Director, A.H. Punjab Govt. in r/o renovation Upgradation of Punjab Vet. Vaccine Instt. to comply cGMP Standards, at Ludhiana.	10-11.5.2009
	To attend a meeting with Financial Commissioner, Director, AH about GMP of Punjab Vet. Vaccine Instt, Ludhiana	06.04.2010
MINISTRY OF SCIENCE AND TECHNOLOGY, TDP		
	As an Expert in the meeting of Project Evaluation and Monitoring Committee (PEMC) organized by Technology Development Board (TDP), Bangalore	25.8.2007
PRINCIPAL SECRETARY, ANIMAL HUSBANDRY, GOVT. OF U.P.		
	Attended a meeting with Secretary A.H. Govt. of UP at IVBP, Lucknow	10.12.2010

Good Manufacturing Practice (GMP):

Dr. Rishendra Verma was nominated expert for GMP renovation/upgrading facilities at the following States:

1. Livestock Research Station, Patna, Bihar
2. M.P. Government
3. Punjab Government
4. U.P. Government
5. Maharashtra Government
6. Jammu
7. Andhra Pradesh, Government
8. Tamil Nadu, Government
9. Karnataka Government

Dr. Rishendra Verma was appointed as Technical Consultant by Govt. of Maharashtra for the upgrading of GMP of Institute of Veterinary Biologicals, Aundh, Pune which has started production of bacterial vaccines with fermenter technology.

FMD Vaccine Quality Control

Dr. Rishendra Verma took initiative as to how to regulate quality control of FMD vaccines in the country. He organized meetings with Department of Animal Husbandry, dairying & Fisheries, Drugs Controller General (I) and concerned firms as follows:

(1) Quality Control Meeting of FMD held on 3 August 2004 at IVRI, Izatnagar

(2) Quality Control Meeting of FMD on 24th January 2005 at JNU Stadium, New Delhi.

Agenda for Meeting:

1. Action on identical containers be taken from manufacturers for testing of FMD vaccine
2. Provision of funds for hiring contractual manpower
3. Sero-monitoring against all serotypes including Serotype "C" Deletion of "C"
4. Harmonization of SOP for BAE
5. SOP for production of standard antigen/antisera for LPBE be provided by PD-FMD for use in LPB ELISA

6. Manufacturers to submit sample (300 ml) from each batch to Division of Biological Standardization
7. Containment facilities for PD50
8. Necessity for 146S antigen
9. Export of FMD vaccine using Indian serotypes
10. Any other point with permission of the Chairman

Organized Biological Manufacturers Meet

Biological Manufacturers Meet 24-25 April 2003

Biological Manufacturers Meet 14-16 April 2005

Biological Manufacturers Meet 24-26 April 2006

Meeting of Importers 20th June 2003



