



Sampling Plan for Seromonitoring of FMD in India under Livestock Health and Disease Control Programme Round – V (2024)



ICAR-National Institute of Veterinary Epidemiology and Disease Informatics (NIVEDI)

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Control of Foot & Mouth Disease (FMD) and Brucellosis



Outlay of Rs. 13,343 crore to fully
control diseases amongst livestock in
next 5 years



Vaccination coverage to 30 crore
bovines, 20 crore sheep/goat, & 1 crore
pigs at intervals of 6 months to treat
FMD diseases



100% vaccination coverage to 3.6
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Provide relief to crores of livestock
rearing farmers across the country

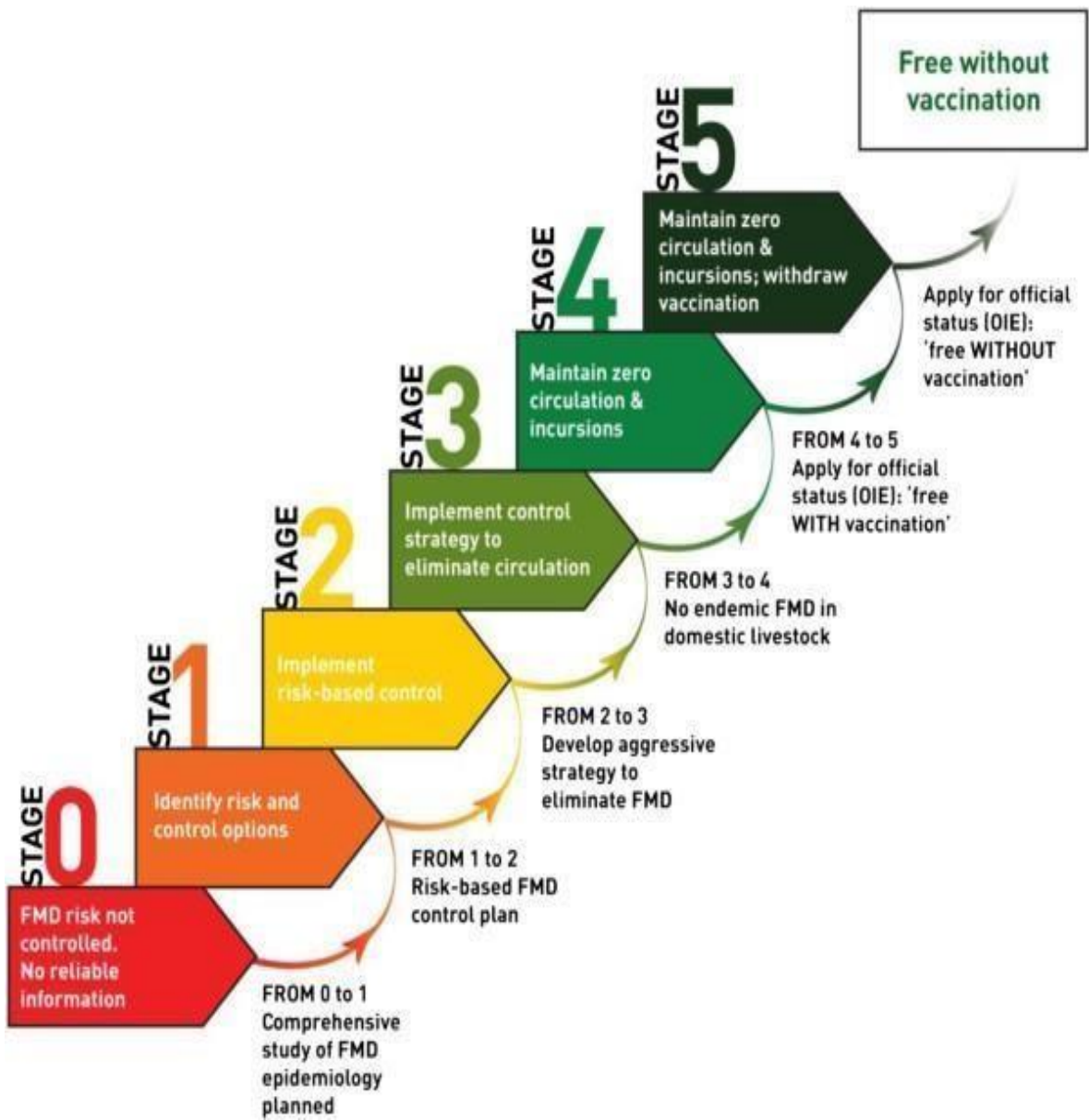


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Foreword

Foot and Mouth Disease (FMD) is a widespread animal disease that affects cloven-hoofed farm animals and a variety of wild animals. High fever, salivation, vesicle formation in the mouth and foot, and lameness are all symptoms of FMD. Although the disease does not normally cause substantial mortality in adult animals, it does have devastating effects on them, such as weight loss, decreased milk output, and loss of draught power, resulting in a significant loss of productivity for a period of time. In India, three serotypes (O, A, and Asia1) are now common.

Livestock is a significant sub-sector of Indian agriculture that offers numerous options for self-employment. In India, the yearly direct loss due to FMD is estimated to be Rs. 20,000 crore (about 3.5 billion USD), with indirect losses due to trade barriers potentially considerably higher. Given the severity of the disease, India's FMD Control Program (FMD-CP) was initiated in 2003-04 in 54 districts across eight states, involving 30 million cattle and buffaloes, with the goal of creating FMD-free zones and subsequently expanding these zones to cover the entire country (as per Progressive Control Pathway of FAO). Under the scheme, all cattle and buffaloes must be vaccinated against FMD on a six-monthly basis with an inactivated trivalent FMD vaccine.

In September 2019, the Hon'ble Prime Minister launched the Livestock Health Disease Control Programme (LHDCP), a flagship scheme to control FMD and Brucellosis by vaccinating 100% of cattle, buffalo, sheep, goat, and pig populations for FMD and 100% of bovine female calves 4-8 months of age for brucellosis. The LHDCP's main goal is to control FMD via immunisation by 2025 and eradicate it by 2030. This will lead to higher domestic output and, as a result, increased milk and livestock exports. LHDCP for FMD and Brucellosis is a Central Sector Scheme in which the Central Government will provide 100% of money to the States / UTs.

The use of post-vaccination Seromonitoring (PVM) to track the progress of the FMD control programme is critical. To conduct PVM, the serum samples collected before and 21 to 30 days after vaccination will be tested to measure protective antibody response. Given the country's vast livestock resources, a two-stage sampling approach is critical for the systematic collection of representative samples and subsequent laboratory testing. The sampling plan outlined in this bulletin serves as a reference for collecting samples from around the country for testing for FMD vaccine-induced antibody responses under the LHDCP. I would like to express my gratitude to the Directors, Scientists of ICAR-NIVEDI, and ICAR-NIFMD for taking the effort to develop this important bulletin for use in the country's FMDCP.

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It is to place on record our acknowledgement to Deputy Director General (Animal Science) for his valuables suggestions and moral support in bringing out this booklet.

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Sampling Plan for Sero-monitoring of FMD in India under Livestock Health and Disease Control Programme Round- V

Introduction

Foot and mouth disease (FMD) is a highly contagious viral infection that can have serious socioeconomic consequences wherever it is found. FMD is a significant livestock disease in India, with three of the seven FMD virus serotypes (O, A, and Asia 1) being prevalent. The most important requirements in the fight against FMD are vaccination, along with zoo-sanitary measures and restrictions on animal mobility. Since 2004, the government-sponsored vaccination-based FMD control Programme beginning with 54 districts in 2004 has gradually expanded to cover the entire country in 2018-19.

Post-vaccination monitoring (PVM) is required for countries pursuing a vaccine-based FMD control policy to assess the effectiveness of vaccination regimens and programmes. It is also an important component of the FMD surveillance programme. Furthermore, countries seeking official certification by the World Organization for Animal Health (WOAH) of supported national control programmes or national or zonal FMD vaccination freedom must conduct post-vaccination sero-monitoring (PCP-FMD stages 3 and beyond). Because a variety of factors can influence the efficacy of FMD vaccination, the programmes must be carefully monitored to identify flaws and ensure long-term disease control. Demonstrating the influence of vaccination programmes on disease burden helps to justify vaccination costs while identifying flaws in the immunization programme that allow for programme changes. The heart of PVM is estimating the immunity of the population targeted for vaccination protection, as this is a significant indicator of how well vaccination was carried out and whether or not infection protection is likely. Protective antibody responses elicited by vaccination can be measured by serological tests that detect antibodies directed against viral structural proteins (SP tests). (Foot and Mouth Disease Vaccination and post-vaccination monitoring guidelines, Editor Samia Metwally & Susanne Munstermann, Published by FAO and OIE, 2016)

Sero-monitoring under LHDCP

Livestock Health and Disease Control Programme (LHDCP), launched by GoI aims to control livestock diseases, FMD and Brucellosis by 2025 and eradicate these by 2030. The entire cost of the scheme is to be borne out by the Central Government. Under LHDCP, bi-annual vaccinations, of all eligible cattle and buffaloes with a trivalent vaccine containing serotypes O, A, and Asia1 are practiced for protection against FMD. ICAR-NIFMD and its 32 state FMD regional and collaborating centers are assigned with the estimation of the level of serotype-specific antibodies to the structural proteins of FMDV in the serum samples collected at 0 days and 21 to 30 _days' post-vaccination by the respective state AH departments. Various serological tests such as Solid Phase Competition Enzyme-Linked Immunosorbent Assay (SPCE), Liquid-Phase Blocking ELISA (LPBE), and the Virus Neutralization Test (VNT) have been recommended by the WOAHA for SP antibody screening. Among these, VNT is time-consuming and labour-intensive and for this reason, ELISAs are the preferred tests in many countries. In India, Solid Phase Competitive ELISA (SPCE) in four dilution format developed by NIFMD has been adopted and approved by DAHD for the Seromonitoring activity under FMDCP. The SPCE is suitable for mass serology and is routinely used in World Reference Laboratory (WRL) on FMD, Pirbright, UK. Further, the specificity of the SPCE was reported by many research publications to be considerably higher than that of the LPBE and almost equivalent to that of the virus neutralization test. It is easier to use, more robust, and specific, and therefore offers an improvement for FMD virus-specific antibody detection.

SPCE Interpretation

Principle

In this assay, to the FMDV-antigen captured plate (*Solid phase*), serial two-fold dilutions of test sera and optimal concentration of homologous serum (raised in guinea pig) are added simultaneously. The FMDV-antigen is blocked by the antibodies (*against the structural protein of FMDV*), if present, in the test serum and restricts the binding of homologous guinea pig serum. Subsequently, the antibody inhibition is traced by adding pre-titrated anti-guinea pig-HRPO conjugate and substrate reaction is followed as in the case of a standard ELISA (Fig 3). The colour reaction is stopped and measured in terms of optical density (OD) at 492 nm wavelength with reference to 620 nm. Six wells were used as antigen controls (0% inhibition; C0) and two wells were used as conjugate control (Cc) without any antigen to determine the background reactivity.

The OD₄₉₂ values of the test samples are expressed as a percentage of inhibition relative to the OD₄₉₂ value of antigen controls (C₀). The titer of serum samples is expressed as the reciprocal of the serum dilution giving 65% Optical Density (OD) as compared to the antigen controls. In other words, the reciprocal of the serum dilution inhibits 35% (Percent Inhibition) of the binding of anti-FMDV guinea-pig serum to the homologous virus. The formula is given below.

Percentage of Inhibition (PI) =

$$100 \times \left(\frac{\text{Mean OD of sample} - \text{Mean OD of } C_c}{\text{Mean OD of } C_0 - \text{Mean OD of } C_c} \times 100 \right)$$

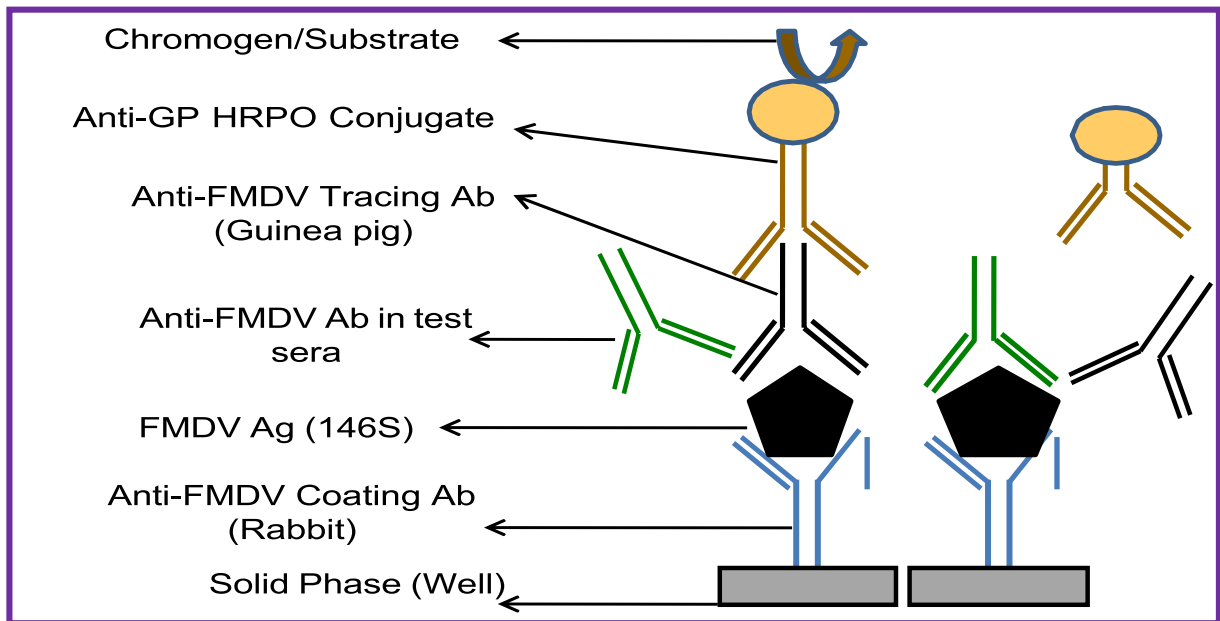


Fig 1. Schematic representation of Solid Phase Competitive ELISA for detection of anti-FMDV antibodies against the structural protein

Validation Criteria

The test is considered valid, if the median O.D₄₉₂ of antigen control wells (C₀) >0.8 and The mean O.D.₄₉₂ of conjugate control wells (C_c) is not more than >0.1.

The threshold for interpretation of protective antibody level

- Protective antibody level is expressed as \log_{10} titer and antibody titer of ≥ 1.65 is considered as the protective level.
- Note: Please use the software provided by ICAR-NIFMD for the calculation of protective titre

The Sampling Strategy followed for PVM

In India, districts are divided into talukas or blocks, which are then subdivided into villages. Villages are regarded as a single epidemiological entity (epi-unit). Until 2019, a two-stage stratified random sampling approach was used for PVM investigations. In the first stage, a randomization calculator was used to select 10 villages in each district, ensuring that each taluka was represented for sampling. In the second stage, a simple random sample procedure was used to pick 20 bovines (over 24 months of age) from each village for sampling (before and after the vaccine). Using a randomized calculator, the entire sample collection process (pre-vaccination and post-vaccine sampling) was repeated during each round of vaccination. It is crucial to note, however, that the villages in each district were rotated to collect pre- and post-vaccination serum samples throughout each round of vaccination.

The above post-vaccination sampling approach was created to determine the vaccine's and immunization program's efficacy. However, specialists from the WOAAH FMD Mission in India believe that, in order to present a clear picture of population immunity, the sampling approach should be changed in accordance with WOAAH guidelines. In response to the advice, ICAR-NIVEDI has been developing a new post-vaccination sero-monitoring sampling technique in conjunction with ICAR-NIFMD since 2020. The current document is for LHDCP round 5 samplings.

Salient points considered while formulating sero-monitoring documents

While formulating the sampling plan for the sero-monitoring following recommendations provided in the WOAAH & FAO FMD vaccination and sero-monitoring guidelines were adopted. Therefore, sampling at two different points in time (0 days, i.e., at the time of vaccination) and again after 21 days post-vaccination to assess the changes in population immunity at the animal level (for PCP stages 2 & 3), at different age groups. Below each state-wise sampling plan table, the number of samples to be drawn from different groups per village (Epi Unit) is given and it is suggested that the state animal husbandry departments should strictly adhere to the sampling SOP provided.

Two-stage Stratified Random Sampling plan for PVM

All form of epidemiological investigations requires a scientific sampling plan for the collection of data on health problems including serum samples in surveillance or monitoring in a specific population. Estimation of the frequency of disease is a prerequisite to establishing the disease control program, hence sampling the populations in order to estimate the disease frequency is a common task for epidemiologists. In sampling, we ensure that animals are typical of the target population and that the estimate of disease frequency is unbiased and precise (low standard error). Simple random sampling and systematic or stratified random samplings are the most commonly used sampling methods in which an animal is a sampling unit, providing precise estimates of disease frequency.

The use of two-stage sampling has evolved to meet surveillance or monitoring objectives for two reasons. First, the list of frames of animals for randomized sample selection does not typically exist at a regional or national level, but list frames of herds or villages can be developed and maintained more readily.

The objectives of sero-monitoring of FMD in India

1. To provide the Sampling Scheme for estimation of the total number of animals to be sampled, the total number of villages (epi units) to be selected, the number of animals within the village to be sampled, and the location of villages for pre-seromonitoring of FMD in India.
2. To use the same sampling scheme for post-vaccination monitoring to estimate the unbiased and robust estimate of protection levels of FMD in India.

In this scheme, we employed stratified random sampling with the district as a stratification variable for buffalo and cattle populations in different states. The input requirements of the sampling plan were (1). animal level prevalence of non-protection ($1-P(\text{protection})$) is 20% is used as the median value of non-protection levels across the different age groups of animals, (2) cluster or village level prevalence to adjust for the state level population, so that herd level prevalence is proportion to the proportion of the population, and capturing the variation arising out of this, adjusted against the percentage of animals showing protective titer against FMD virus serotypes O, A and Asia1 in different States/UTs and (3) sensitivity of 90% and specificity of 90-100% of diagnostic tests and confidence is assumed for all the States/UTs at 90%. (4) Accounting for a state-wise percentage of protective levels of monitoring status of previous rounds. Two-stage stratified random sampling plan was generated at 95% confidence using an in-house developed epi-calculator (https://nivedi.res.in/Nadres_v2/Epical/stratified/random_sampling.php). The Sampling plan will

provide the guidelines for selecting villages and its location like block, district, and state level information along with livestock population, number of animals to be sampled within a village, and proportion of buffaloes and cattle to be sampled in each selected village. The summary of the sampling plan generated using two-stage stratified random sampling scheme during the last two rounds is presented in Table 1.

Guidelines for collection of samples within the village

Given below is the example provided by us to the coordinating unit for sample collection.

Example: If you are asked to collect 5 samples from a village having 17 animals (cattle & buffaloes together), you are supposed to do sampling as follows;

In a table, enumerate and list all the households/owners having the given species of animals. Say for example there are three owners viz., Avinash Alur, Avinash B, Avinash Sunkad in the village with 7 (5 buffaloes & 2 cattle), 6 (3 buffaloes & 3 cattle), 4 (cattle) number of animals respectively, then make the sampling frame as follows;

Sl. No.	Owner (Household)	Total (Cattle+Buffaloes)	Temporary ID	
1	Avinash Alur	7	AA1	
2			AA2	4 th sample
3			AA3	
4			AA4	
5			AA5	5 th sample
6			AA6	
7			AA7	
8	Avinash B.	6	AB1	
9			AB2	
10			AB3	1 st sample
11			AB4	
12			AB5	
13			AB6	2 nd sample
14	Avinash Sunkad	4	AS1	
15			AS2	
16			AS3	3 rd sample
17			AS4	

Pick a random number between 1-17 (as the village has total 17 animals)

Say, you picked 10 (S. No. 10), then identify the household/owner the pointing to the said serial number. In this case, it is house of Avinash B. Since you have to collect 5 samples from the list of 17 animals ($17/5=3.4$, round that to 3), mark every third animal in the list as shown above. Once you have identified the owners and the animals, go to the identified owners house, stand at the entrance/entry point of pen (shed), number the animals serially in a clockwise manner (remember

line also makes part of the circle) starting from the one nearest to the entrance/entry point. In this case, it is third nearest animal from the entrance of the pen of Mr. Avinash B. Similarly, collect all the required samples as shown in the table. You should visit all the identified houses to collect samples.

Alternatively, you can hypothetically divide the village in to four quarters and pick the requisite number of samples from households as shown below

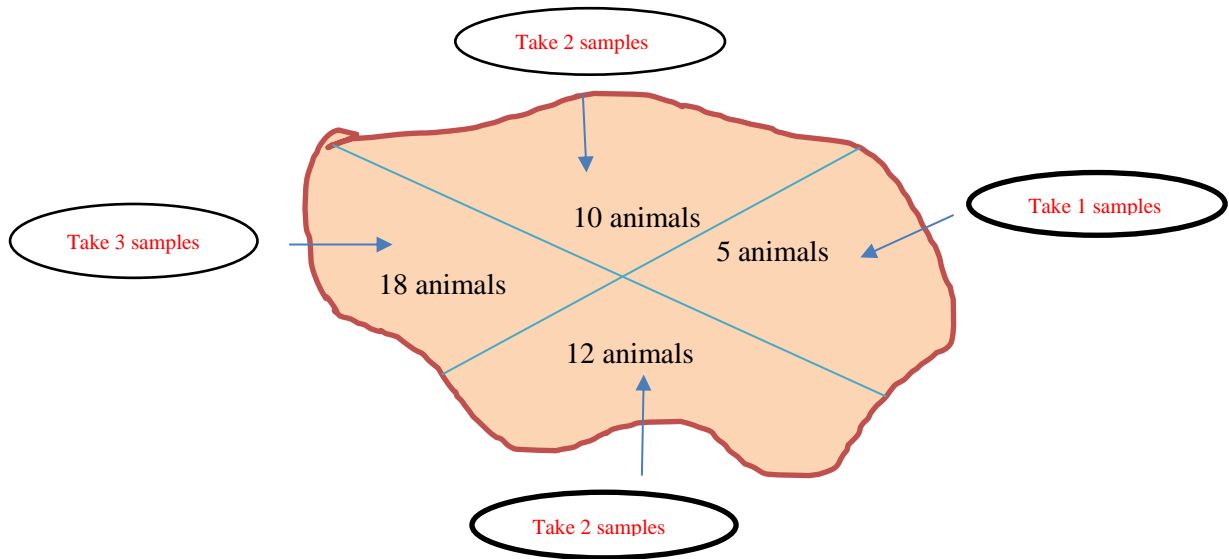


Table 1: Summary of Sampling Plan using two-stage stratified random sampling technique for Sero-monitoring of FMD in India.

State	Round 1			Round 2			Round 3		
	No of the Animals sampled	Average No of Samples Per District	Percentage of animals sampled per State	No of the Animals sampled	Average No of Samples Per District	Percentage of animals sampled per State	No of the Animals sampled	Average No of Samples Per District	Percentage of animals sampled per State
ANDAMAN & NICOBAR	1430	477	3.56	1352	451	3.37	1247	416	3.11
ANDHRA PRADESH	2145	165	0.02	2145	165	0.02	2145	165	0.02
ARUNACHAL PRADESH	1430	84	0.41	1354	68	0.39	1430	72	0.41
ASSAM	2145	65	0.02	2145	65	0.02	2145	65	0.02
BIHAR	4316	114	0.02	4316	114	0.02	4316	114	0.02
CHANDIGARH			0	196	196	0.77	196	196	0.77
CHHATTISGARH	2145	79	0.02	2145	79	0.02	2145	79	0.02
DIU & DAMAN	-	-	-	196	65	0.46	196	98	0.46
DELHI	-	-	-	492	45	0.17	492	45	0.17
GOA	1430	710	1.64	1419	710	1.62	1420	710	1.62
GUJARAT	2145	65	0.01	2145	65	0.01	2145	65	0.01
HARYANA	2145	98	0.03	2145	98	0.03	2145	98	0.03
HIMACHAL PRADESH	1430	119	0.06	1430	119	0.06	1430	119	0.06
JAMMU & KASHMIR	1430	72	0.05	1430	72	0.05	1430	65	0.05
JHARKHAND	2145	89	0.02	2145	89	0.02	2145	89	0.02
KARNATAKA	2145	72	0.02	2145	72	0.02	2145	72	0.02

KERALA	2145	153	0.15	2145	153	0.15	2145	153	0.15
LADAKH	-	-	-	72	36	0.09	72	36	0.09
MADHYA PRADESH	4316	85	0.01	4316	85	0.01	4316	85	0.01
MAHARASHTRA	4316	123	0.02	4316	123	0.02	4316	123	0.02
MANIPUR	1430	159	0.55	1430	159	0.55	1430	159	0.55
MEGHALAYA	1430	130	0.16	1430	130	0.16	1430	130	0.16
MIZORAM	1356	170	2.84	1356	170	2.84	1264	158	2.64
NAGALAND	1347	122	1.43	1347	122	1.43	1284	117	1.37
ODISHA	2145	72	0.02	2145	72	0.02	2145	72	0.02
PUDUCHERRY	1066	252	1.43	1008	252	1.36	1031	267	1.43
PUNJAB	2145	98	0.03	2145	98	0.03	2145	98	0.03
RAJASTHAN	4316	131	0.02	4316	131	0.02	4316	131	0.02
SIKKIM	1430	358	0.96	1430	358	0.96	1430	358	0.96
TAMIL NADU	2145	67	0.29	2145	67	0.29	2145	45	0.29
TELANGANA	2145	69	0.03	2145	69	0.03	2145	67	0.03
TRIPURA	1430	179	0.01	1430	179	0.01	1430	268	0.02
UTTARAKHAND	1430	110	0.05	1430	110	0.05	1430	102	0.05
UTTAR PRADESH	4316	105	0.01	7852	105	0.02	7852	105	0.02
WEST BENGAL	2145	98	0.01	2145	98	0.01	2145	98	0.01
Total	67534	98		71901	102		71741	101	

Note: The proportion of samples collected from each village need to be distributed among three age categories viz; 6-12 months, 13-24 months and >24months at a ratio of 5:4:1s

Table 1. Continued

State	Round 4			Round 5		
	No of the Animals sampled	Average No of Samples Per District	Percentage of animals sampled per State	No of the Animals samples	Average No of Samples Per District	Percentage of animals to be sampled per State
ANDAMAN AND NICOBAR	804	66	2	475	158	1.18
ANDHRA PRADESH	2145	165	0.02	1118	66	0.01
ARUNACHAL PRADESH	975	75	0.28	539	28	0.16
ASSAM	1781	137	0.02	819	20	0.01
BIHAR	2145	165	0.01	1118	27	0.00
CHANDIGRAH	154	14	0.6	143	143	0.56
CHHATTISGRAH	975	75	0.01	1021	38	0.01
DIU & DAMAN	272	22	0.6	240	120	0.56
DELHI	671	51	0.23	721	66	0.25
GOA	686	54	0.78	649	325	0.74
GUJARAT	2145	165	0.01	2288	52	0.01
HARYANA	1716	132	0.03	1183	38	0.02
HIMACHAL PRADESH	1430	110	0.06	1066	89	0.04
JAMMU AND KASHMIR	1066	82	0.03	702	32	0.02
JHARKHAND	1430	110	0.01	1157	37	0.01
KARNATAKA	1794	138	0.02	1495	43	0.01
KERALA	2145	165	0.15	1131	60	0.08
LADAKH	1066	82	1.33	715	238	0.89
MADHYA PRADESH	2392	184	0.01	1261	20	0.00
MAHARASHTRA	2691	207	0.01	1521	36	0.01
MANIPUR	702	54	0.27	1083	120	0.42
MEGHALAYA	1066	82	0.12	741	53	0.08
MIZORAM	687	54	1.44	622	78	1.30
NAGALAND	655	54	0.7	636	58	0.68
ODISHA	1066	82	0.01	1105	35	0.01

PUDUCHERRY	663	54	0.89	673	168	0.90
PUNJAB	1794	138	0.03	1105	44	0.02
RAJASTHAN	2691	207	0.01	1170	29	0.00
SIKKIM	701	54	0.47	712	178	0.48
TAMIL NADU	1950	150	0.02	2379	48	0.02
TELANGANA	1716	132	0.02	1547	39	0.02
TRIPURA	1066	82	0.14	1105	100	0.15
UTTARAKHAND	1716	132	0.06	1495	83	0.05
UTTAR PRADESH	2262	174	0	2327	26	0.00
WEST BENGAL	1911	147	0.01	2210	82	0.01
Total	49129	108		38272	45	

Note: The proportion of samples collected from each village need to be distributed among three age categories viz; 6-12 months, 13-24 months and >24months at a ratio of 5:4:1s

Collection and transport of serum samples

Materials required

- Vacutainers 5 ml capacity (Red Top, BD catalog No. 366430)
- Desktop Centrifuge (refrigerated preferably) with swinging bucket rotor
- Sterile 15ml polypropylene centrifuge tubes
- Sterile Cryovials (preferably internally threaded)
- 2ml, 5ml pipettes or 1ml micropipette and 1 ml sterile pipette tips.
- Ice Buckets
- Laminar Flow cabinet

Procedure

- Serum should be collected using a sterile needle and syringe
- At least 2 ml of serum should be submitted to the testing laboratory and for that 4-8 ml whole blood needs to be collected without anticoagulant.
- The blood is usually collected from the jugular vein
- After collection, the sample should be allowed to stand in a cool area, out of direct sunlight for at least 15 minutes to allow clot formation
- Serum should be separated before submission to the laboratory.
- The sample should be centrifuged or, if this is not available, stand the sample in an upright position overnight in a cool box or refrigerator
- Place serum into a plain, sterile tube and send to the laboratory under cool condition
- If dispatch to a laboratory is delayed, serum samples should be frozen and stored at -20 °C
- Samples should be accompanied by a proper epidemiological datasheet

Serum Shipping Instructions

- Use at least a 1-inch thick walled thermocol box for shipping of serum
- The serum samples should be preferably shipped in dry ice, if not add a sufficient number of ice packs that were earlier at stored -80°C. If ice packs are used for shipping, ensure that samples are placed within a layer of ice packs.
- Kindly ensure that there is no leakage during shipment. To do this it is wise to keep the vials in a cryo box and ship them.
- Ship the serum as quickly as possible preferably by overnight courier.
- Inform NIFMD/relevant laboratory telephonically about the shipping.

Ensure that the samples are accompanied by standard proforma in **excel** as provided below (the standard proforma is available with state FMD laboratories and also may be obtained from ICAR-NIFMD)

Please Contact us for any clarification on SOP and Sampling plan issues:

For any clarification on SOP and Sampling plan issues, Please Contact:

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History sheet profoma:

Sl No	Sampl e ID	Animal Tag No	Owner Name	Mobile No	District	Sub District /Block /Taluk	Village	Species	Breed	Age in Months	Date of Vaccination	Date of Sampling (Pre VAC)	Date Of Sampling (Post VAC)

FMD/SEROMON/NIVEDI/ROUND-V/Andaman And Nicobar Islands_1/2023

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 1 + (Cattle + Buffalo) = 162

Design level Prevalence(% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.08

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 41

Total No of Animals to be Sampled = 475(Restricted)

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Nicobars	Nancowry	Munak Incl. Ponioo/Moul	0	5	5	5	0	5
Nicobars	Nancowry	Japan Tikri	0	6	6	6	0	6
Nicobars	Car Nicobar	Tamaloo	0	18	18	10	0	10
Nicobars	Car Nicobar	Tapoiming	0	50	50	12	0	12
Nicobars	Great Nicobar	Sastri Nagar	0	77	77	12	0	12
Nicobars	Great Nicobar	Campbell Bay	0	239	239	13	0	13
Nicobars	Great Nicobar	Joginder Nagar	0	252	252	13	0	13
Nicobars	Great Nicobar	7 Km Farm	0	307	307	13	0	13
Nicobars	Great Nicobar	Govinda Nagar	41	324	365	13	1	12
North And Middle Andaman	Diglipur	Narayan Tikri (Efa)	0	11	11	8	0	8
North And Middle Andaman	Mayabunder	Ganesh Nagar I & Ii (Efa)	8	6	14	9	5	4
North And Middle Andaman	Rangat	Charlungta (Fc)	0	22	22	10	0	10
North And Middle Andaman	Mayabunder	Kanchi Nallaha (Efa) & Bamboo Nallaha (Efa)	0	31	31	11	0	11
North And Middle Andaman	Diglipur	Jagannath Dera (Rv)	0	37	37	11	0	11
North And Middle Andaman	Mayabunder	Basantipur (Rv)	0	57	57	12	0	12
North And Middle Andaman	Mayabunder	Shippi Tikry (Efa)	28	40	68	12	5	7
North And Middle Andaman	Rangat	Macarthy Valley (Efa)	21	57	78	12	3	9
North And Middle Andaman	Mayabunder	Swadesh Nagar (Rv)	0	80	80	12	0	12
North And Middle Andaman	Mayabunder	Dukenagar (Rv)	2	79	81	12	0	12
North And Middle Andaman	Rangat	Panchawati (Rv)	5	83	88	12	1	11
North And Middle Andaman	Mayabunder	Birsa Nagar (Efa)	40	59	99	13	5	8
North And Middle Andaman	Diglipur	Kalighat (Rv)	0	116	116	13	0	13
North And Middle Andaman	Rangat	Desharatpur (Rv)	0	137	137	13	0	13
North And Middle Andaman	Mayabunder	Pudumadurai (Rv)	26	158	184	13	2	11
North And Middle Andaman	Mayabunder	Santipur (Rv)	0	187	187	13	0	13
North And Middle Andaman	Diglipur	Ramakrishnagram (Rv)	3	435	438	13	0	13
South Andamans	Ferrargunj	Viper Island (Rv)	0	4	4	4	0	4
South Andamans	Port Blair	Rutland (Rv)	2	24	26	11	1	10
South Andamans	Ferrargunj	Manglutan Part I Indira Nagar	0	39	39	12	0	12
South Andamans	Port Blair	Port Blair (M CI) - Ward No.9	0	44	44	12	0	12
South Andamans	Ferrargunj	Jirkatang No. 2 (Rv)	0	56	56	12	0	12
South Andamans	Ferrargunj	Mathura (Rv)	5	69	74	12	1	11
South Andamans	Ferrargunj	Homfreygunj (Rv)	0	77	77	12	0	12
South Andamans	Port Blair	Bada Nallaha/Bada Balu (Efa)	0	102	102	13	0	13
South Andamans	Port Blair	Govinda Nagar (Rv)	2	108	110	13	0	13
South Andamans	Port Blair	Chidiyatapu (Rv)	7	144	151	13	1	12
South Andamans	Port Blair	Sippighat (Rv)	19	137	156	13	2	11
South Andamans	Ferrargunj	Bambooflat Part II	14	175	189	13	1	12
South Andamans	Port Blair	Port Blair (M CI) - Ward No.17	3	187	190	13	0	13
South Andamans	Port Blair	Port Blair (M CI)- Ward No. 21	8	200	208	13	1	13
South Andamans	Port Blair	Port Blair (M CI)- Ward No. 20	30	382	412	13	1	12
		Total	264	4621	4885	475	30	446

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

e. Cattle Population

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FMD/SEROMON/NIVEDI/ROUND-V/Andhra Pradesh_2/2023
Two Stage Stratified Random Sampling:
 Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 100 + (Cattle + Buffalo) = 10539
 Design level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.04
 Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+4 Villages Reserved)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Anantapur	Peddapappur	Amalladinne	453	40	493	13	12	1
Anantapur	Chilamathur	Tekulodu	76	504	580	13	2	11
Anantapur	Tadpatri	Chinnapolamada	695	19	714	13	13	0
Anantapur	Puttur	Puttur	1145	38	1183	13	13	0
Anantapur*	Gorantla	Vadigepalle	92	2411	2503	13	0	13
Chittoor	Nindra	Netteri	53	213	266	13	3	10
Chittoor	Srirangarajapuram	Arimakulapalle	0	286	286	13	0	13
Chittoor	Kambhamvaripalle	Matampalle	0	581	581	13	0	13
Chittoor	Nimmanapalle	Bandlapai	0	819	819	13	0	13
Chittoor	Punganur	Magandlapalle	4	884	888	13	0	13
Chittoor	Ramasamudram	Malenatham	10	1028	1038	13	0	13
Chittoor	Srikalahasti	Vedam	43	1462	1505	13	0	13
Chittoor*	Kuppam	Kangundi R.F.	0	1926	1926	13	0	13
East Godavari	Sankhavaram	Avethi	0	109	109	13	0	13
East Godavari	Rajavommangi	Ammirekala	43	311	354	13	2	11
East Godavari	Vararamachandrapuram	Kottarugommu	0	539	539	13	0	13
East Godavari	Kunavaram	Jaggavaram	138	462	600	13	3	10
East Godavari	Samalkota	Jaggamagaripeta (R)	642	123	765	13	11	2
East Godavari	Amalapuram	Vanne Chintalapudi	395	411	806	13	6	7
East Godavari	Tuni	K.O. Mallavaram	1281	13	1294	13	13	0
East Godavari*	Rajanagaram	Kanavaram	1906	52	1958	13	13	0
Guntur	Bapatla	Bapatla (M) - Ward No.4	335	0	335	13	13	0
Guntur	Thullur	Mandadam	676	52	728	13	12	1
Guntur	Phirangipuram	Erraguntlapadu	954	184	1138	13	11	2
Guntur	Karlapalem	Yazali	4056	242	4298	13	12	1
Guntur	Pittalavanipalem	Pittalavanipalem	6353	228	6581	13	13	0
Krishna	Machilipatnam	Garaladibba	183	3	186	13	13	0
Krishna	Nandigama	Nandigama (M) WARD NO.-0019	356	21	377	13	12	1
Krishna	Mandavalli	Chintlapadu	509	35	544	13	12	1
Krishna	Gudlavalleru	Gudlavalleru	710	156	866	13	11	2
Krishna	Chandralapadu	Veladi	918	48	966	13	12	1
Krishna	Reddigudem	Anneraopeta	867	113	980	13	12	1
Kurnool	Kolimigundla	Hanumanthagundam	315	35	350	13	12	1
Kurnool	Kallur	Remadur	238	341	579	13	5	8
Kurnool	Mantralayam	Sunkeswari	208	564	772	13	4	9
Kurnool	Kurnool	Dinnadevarapadu (Og)	757	423	1180	13	8	5
Kurnool	Veldurthi	Govardhanagiri	564	1422	1986	13	4	9
Prakasam	Janakavarampanguluru	Thurpu Thakkella Padu	221	0	221	13	13	0
Prakasam	Kandukur	Kandukur (M) - Ward No.1	252	169	421	13	8	5
Prakasam	Cumbum	Kandula Puram	1036	41	1077	13	13	0
Prakasam	Markapur	Goguladinne	1073	4	1077	13	13	0
Prakasam	Addanki	Ramayapalem (U)	1830	66	1896	13	13	0
Prakasam	Chimakurthi	Padamatinaidupalem	4770	0	4770	13	13	0
Spsr Nellore	Atmakur	Depuru	213	6	219	13	13	0
Spsr Nellore	Balayapalle	Ambalapudi	415	16	431	13	13	0
Spsr Nellore	Thotapalligudur	Chinna Cherukur	541	44	585	13	12	1
Spsr Nellore	Nellore	Nellore (M) - Ward No.38	609	5	614	13	13	0
Spsr Nellore	Pellakur	Palachur	1358	362	1720	13	10	3
Spsr Nellore	Naidupet	Annamedu	2312	246	2558	13	12	1
Srikakulam	Srikakulam	Srikakulam Ward No -0029	100	38	138	13	9	4
Srikakulam	Ranastalam	Vallabharopeta	22	260	282	13	1	12
Srikakulam	Meliaputti	Maridikota	0	379	379	13	0	13

Srikakulam	Kaviti	Kapasakuddi	25	360	385	13	1	12
Srikakulam	Rajam	Garraju Cheepurupalli	0	418	418	13	0	13
Srikakulam	Ganguvarisigadam	Jada	4	674	678	13	0	13
Srikakulam	Narasannapeta	Urlam	34	662	696	13	1	12
Srikakulam	Kothuru	Kadumu	0	1056	1056	13	0	13
Visakhapatnam	Munchingi Puttu	Beeta	0	143	143	13	0	13
Visakhapatnam	Koyyuru	Pidugurai	0	247	247	13	0	13
Visakhapatnam	Peda Bayalu	Rudakota	31	233	264	13	2	11
Visakhapatnam	Ananthagiri	Kondavenkatapuram	20	302	322	13	1	12
Visakhapatnam	Hukumpeta	Jarrakonda	0	358	358	13	0	13
Visakhapatnam	Pendurthi	Mudapaka	217	191	408	13	7	6
Visakhapatnam	Munchingi Puttu	Cheruvu Pakala	0	479	479	13	0	13
Visakhapatnam	Visakhapatnam	Visakhapatnam (M Corp.) - Ward No.70	336	185	521	13	8	5
Visakhapatnam	S.Rayavaram	Peda Uppalam	431	178	609	13	9	4
Visakhapatnam*	S.Rayavaram	Vakapadu	646	9	655	13	13	0
Visakhapatnam	Chodavaram	Chodavaram (Ct)	2268	1049	3317	13	9	4
Visakhapatnam	Koyyuru	Mattam Bhimavaram	342	3436	3778	13	1	12
Vizianagaram	Merakamudidam	Kunchigumadam	0	122	122	13	0	13
Vizianagaram	Salur	Tentuboddavalasa	119	74	193	13	8	5
Vizianagaram	Merakamudidam	Rachagumadam	50	421	471	13	1	12
Vizianagaram	Badangi	Pinapenki	0	491	491	13	0	13
Vizianagaram	Therlam	Nemalam	43	550	593	13	1	12
Vizianagaram	Garividi	Konda Lakshmpuram	8	587	595	13	0	13
Vizianagaram	Gurla	Penubharthi	23	679	702	13	0	13
West Godavari	Attili	Manchili	308	59	367	13	11	2
West Godavari	Narasapuram	Thurputallu	505	218	723	13	9	4
West Godavari	Kalla	Doddanapudi	756	74	830	13	12	1
West Godavari	Nallajerla	Gundepalle @ Chodavaram (East)	1205	277	1482	13	11	2
West Godavari	Mogalthur	Kalipatnam	2442	590	3032	13	10	3
Y.S.R.	Mylavaram	Veparala (Ct)	317	5	322	13	13	0
Y.S.R.	Chitvel	Devamachupalle	468	42	510	13	12	1
Y.S.R.	B.Kodur	Kamakunta	721	0	721	13	13	0
Y.S.R.	B.Kodur	Mekavaripalle	1032	28	1060	13	13	0
Y.S.R.	Sidhout	Peddapalle	1808	191	1999	13	12	1
		Total	53886	32122	86008	1118	591	527

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 52
Reserved Villages 4
Total Samples

1066
52
1118

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FMD/SEROMON/NIVEDI/ROUND-V/Arunachal Pradesh_3/2023
Two Stage Stratified Random Sampling:
 Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 25 + (Cattle + Buffalo) = 2025
 Design level Prevalence(% of unprotected) = 0.2
 Cluster Level Prevalence(Adjusted for % of titer impovement) = 0.08
 Sensitivity of the test used = 0.9
 Total No of Villages (Clusters) Selected = 43
 Total No of Animals to be Sampled = 539

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Anjaw	Walong	Tilam	0	123	123	13	0	13
Changlang	Miao	Phup	0	130	130	13	0	13
Changlang	Bordunsa	Dapkhu	0	174	174	13	0	13
East Kameng	Seijosa	Seijosa II Seg-II	0	29	29	11	0	11
East Kameng	Pizirang(Veo)	New Nere	0	56	56	12	0	12
East Kameng	Gyawe Purang	Tagangwarrang-I	0	71	71	12	0	12
East Kameng	Papu Valley West	Seba-II (Res)	0	91	91	13	0	13
East Kameng	Chayangtajo	Domdila-I	0	118	118	13	0	13
East Kameng	Bana	New Sopung-I	0	173	173	13	0	13
East Siang	Sille-Oyan	Oyan Village	0	223	223	13	0	13
Kra Daadi	PIPSORANG	Sangio	0	51	51	12	0	12
Kra Daadi	PALIN	Bokam	0	111	111	13	0	13
Kurung Kumey	NYAPIN	I.B Colony	0	29	29	11	0	11
Kurung Kumey	NYAPIN	Dolo (West)	0	52	52	12	0	12
Lohit	Lekang (Mahadevpur)	Kumari Adivasi	0	339	339	13	0	13
Lohit	Namsai	Deobeel	63	1614	1677	13	0	13
Longding	Pangchao	Komhua Nonku li	0	172	172	13	0	13
Lower Dibang Valley	Roing	Rambosti(Mobang)	0	93	93	13	0	13
Lower Dibang Valley	Koronu	Arungo	0	211	211	13	0	13
Lower Subansiri	DIIBO	Laji Bukerr Uru	0	37	37	11	0	11
Lower Subansiri	YAZALI	Dodo	0	46	46	12	0	12
Lower Subansiri	NIICHHI	Ayosiiiyoy	0	59	59	12	0	12
Lower Subansiri	DIIBO	Tating Tadu Uru	0	71	71	12	0	12
Lower Subansiri	DIIBO	Taping Tamo Moding Uru	0	119	119	13	0	13
Lower Subansiri	Dollungmukh	Rottom	0	160	160	13	0	13
NAMSAI	NINGROO	JENLAI	0	572	572	13	0	13
Papum Pare	KIMINI	Upper Jumi	0	56	56	12	0	12
Papum Pare	MENGIOI	Nyopang	0	63	63	12	0	12
Papum Pare	LEPORIANGI	Upper Rupung	0	101	101	13	0	13
Papum Pare	Leporiang	Hojurangpa	0	767	767	13	0	13
SIANG	Rumgong	Danda Debuk	0	109	109	13	0	13
Tawang	Kitpi Circle	Kitpi li	0	141	141	13	0	13
Tawang	Zemithang	Shakti	0	360	360	13	0	13
Tirap	SOHA	Kenon Thalot-I	0	47	47	12	0	12
Upper Siang	Geku	Sumsing	0	152	152	13	0	13
Upper Subansiri	Daporijo	Sikar - I	0	40	40	12	0	12
Upper Subansiri	Taliha	Konia-Kokpu	0	54	54	12	0	12
Upper Subansiri	Baririjo	Yoka	0	73	73	12	0	12
Upper Subansiri	Payeng	Payeng	0	131	131	13	0	13
West Kameng	Kalaktang	Boha	0	113	113	13	0	13
West Kameng	Dirang	Lish Village	0	322	322	13	0	13
West Siang	Likabali	Nilok	0	58	58	12	0	12
West Siang	Likabali	Jipu	0	104	104	13	0	13
		Total	63	7615	7678	539	0	539

a: District Name
 b: Block Name
 c: Village Name
 d: Buffalo Population
 e: Cattle Population

f: Buffalo + Cattle Population
 g: Number of units to sample
 h: Buffalo Proportion
 i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 16541

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.06

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 54(+9 Villages Reserved)

Total No of Animals to be Sampled = 72

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
BAKSA	Tamulpur	Barbhera	0	748	748	13	0	13
Barpeta	Barnagar (Pt)	Peragaon Pathar	0	637	637	13	0	13
Barpeta*	Bajali (Pt)	Bhotanta Mahitara	14	3622	3636	13	0	13
Biswanath	Gohpur	DUBIA PATHAR	0	469	469	13	0	13
Biswanath	Biswanath	LALPUKHURI	0	1017	1017	13	0	13
BONGAIGAON*	jangram	Bamungaon pt I	0	409	409	13	0	13
BONGAIGAON	jangram	Kacharipet pt III	0	853	853	13	0	13
Cachar	Silchar	kona Pt-II	73	511	584	13	2	11
Cachar	Silchar	Rosekandi Grant Pt-I	16	622	638	13	0	13
Chirang	Sidli (Pt)	Pakhriguri No 2	0	421	421	13	0	13
DARRANG*	Dalgaon(Pt)	Gelaidingi	24	920	944	13	0	13
DHEMAJI	Dhemaji	Kuwaphala Miri	0	164	164	13	0	13
DHEMAJI	Dhakuakhana (Pt)	Grazzing	0	259	259	13	0	13
DHEMAJI	Sissiborgaon	No 2 Kareng Balipur	0	295	295	13	0	13
DHEMAJI*	Dhemaji	No 1 Gheyari	0	396	396	13	0	13
DHEMAJI	Jonai	Uluwani Joypur	8	580	588	13	0	13
DHUBRI	Bilasipara(Pt)	SUAPATA Pt-III	0	610	610	13	0	13
DHUBRI	Agamoni	BISHKHOWA Pt-IV	0	941	941	13	0	13
Dibrugarh*	Moran	Chaharikata No 2	6	363	369	13	0	13
Dibrugarh	Dibrugarh West	Gharbondi Chuk Jarua Gaon	0	1151	1151	13	0	13
Dima Hasao	Maibong	Tuijonte	44	187	231	13	2	11
Dima Hasao	Haflong	Choto Muolkoi	0	509	509	13	0	13
Goalpara	Dudhnoi	Deulguri - Pt-I	21	434	455	13	1	12
Goalpara	Lakhipur	Ghungunir Bhita	901	1169	2070	13	6	7
Golaghat	Golaghat	GOHAIN GAON/MOUT GAON	60	513	573	13	1	12
Golaghat	Bokakhat	GARAOMATI	0	1718	1718	13	0	13
Hailakandi	Lala	Rajeswarpur-VI	3	412	415	13	0	13
Hojai	Hojai	Pachim Nandalal Pur	0	507	507	13	0	13
Jorhat*	Titabor	AURIA GAON	0	902	902	13	0	13
Jorhat	Titabor	NO 3 BLOCK	0	2364	2364	13	0	13
Kamrup	Chamaria	20) Kuchiadia Pathgar	0	601	601	13	0	13
Kamrup	Palasbari	8) Bazartari	16	1407	1423	13	0	13
Kamrup (M)	Chandrapur	Hajonbari	0	652	652	13	0	13
Karbi Anglong	Phuloni	Bey Kethe Gaon	0	150	150	13	0	13
Karbi Anglong	Diphu	Adivashi Vill	0	182	182	13	0	13
Karbi Anglong	Phuloni	Samuguri No 1	0	187	187	13	0	13
Karbi Anglong	Diphu	Bhitar Amarjan 1 2 3	0	368	368	13	0	13
Karbi Anglong	Phuloni	Balijan Bazar Bosti	0	972	972	13	0	13
Karimganj	Patharkandi	Chengjur	14	214	228	13	1	12
Karimganj	Badarpur	Nayapathan (Kankalash i)	0	395	395	13	0	13
Kokrajhar	Gossaigaon (Pt)	Gambaribil	13	400	413	13	0	13
Kokrajhar	Dotoma	Genduguri	18	1238	1256	13	0	13
Lakhimpur*	Narayanpur	No 1 Notgaon	2	493	495	13	0	13
Lakhimpur	Dhakuakhana(Pt-1)	Dighala hiloi dhari	0	1572	1572	13	0	13
Majuli	Majuli	MohkhutiNo1	0	884	884	13	0	13
Morigaon	Mayong	Chatabori	76	469	545	13	2	11
Morigaon	Bhuragaon	Bhukuamari Pam	56	685	741	13	1	12
Nagaon	Kampur	Uppar Kahunda	0	534	534	13	0	13
Nagaon	Rupohi	Kaliadinga	120	2037	2157	13	1	12

Nalbari	Barkhetri	5 1 No Bhelemari	19	436	455	13	1	12
Nalbari	Barkhetri	3 Mularghat	36	679	715	13	1	12
Sibsagar*	Dimow	Singiani	121	371	492	13	3	10
Sibsagar	Sibsagar	Kath Para	423	1638	2061	13	3	10
Sonitpur	Tezpur	Lihani Pathar	0	438	438	13	0	13
Sonitpur	Dhekiajuli (Pt)	Bura Garuduba	158	1029	1187	13	2	11
Soraideu	Mahmora	Hatibondha Pather	2	309	311	13	0	13
South Salmara	Manchachar	Kukurmara Pt II	13	899	912	13	0	13
Tinsukia	Doom Dooma	Chota Rupai Gaon	0	275	275	13	0	13
Tinsukia	Doom Dooma	Diamuli T E 11 NLR	37	446	483	13	1	12
Udalguri*	Mazbat	Hatibil	0	357	357	13	0	13
Udalguri	Mazbat	Lamabari TE	0	1435	1435	13	0	13
West Karbi Anglong	Donka	Lalmati Town	0	364	364	13	0	13
West Karbi Anglong	Donka	Mosoka Goan	0	768	768	13	0	13
		Total	2294	46587	48881	819	28	791

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 54
Reserved Villages 9
Total Samples

702
117
819

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 18255

Design level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence(Adjusted for % of titer improvment) = 0.04

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+4 Villages Reserved)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Araria	Jokihat	Bara Istamarar	447	2308	2755	13	2	11
Arwal	Karpi	Samanpur Baddo	276	161	437	13	8	5
Aurangabad	Nabinagar	Phuldiha	74	380	454	13	2	11
Aurangabad	Haspura	Koilawan	201	470	671	13	4	9
Banka	Dhuraiya	Panthia	25	298	323	13	1	12
Banka	Banka	Laskari	181	325	506	13	5	8
Banka	Chanan	Tola Dharmadih	0	654	654	13	0	13
Banka	Shambhuganj	Gidhaura	57	713	770	13	1	12
Begusarai*	Begusarai	Bagwara	66	486	552	13	2	11
Begusarai	Khudabandpur	Khodawandpur	26	980	1006	13	0	13
Bhagalpur	Sonhaura	Chhotki Naki	2	948	950	13	0	13
Bhagalpur	Kahalgaoon	Kahalgaoon (NA) - Ward No.16	4	1099	1103	13	0	13
Bhojpur	Piro	Deochanda	329	178	507	13	8	5
Bhojpur	Behea	Amrai	395	275	670	13	8	5
Buxar	Buxar	Dahiwar	101	388	489	13	3	10
Buxar	Chausa	Kusrupa	284	294	578	13	6	7
Darbhanga	Kusheshwar Asthan	Mohim Buzurg	562	187	749	13	10	3
Darbhanga*	Kusheshwar Asthan Purbi	Sima	1541	820	2361	13	8	5
Gaya	Dobhi	Ghir Sindi Khurd	0	318	318	13	0	13
Gaya	Tikari	Kespa	168	343	511	13	4	9
Gaya	Tikari	Makhpa	336	208	544	13	8	5
Gaya	Neem Chak Bathani	Natesar	199	420	619	13	4	9
Gaya	Atri	Sinr	409	727	1136	13	5	8
Gopalganj	Pach Deuri	Poia Girdhar	145	122	267	13	7	6
Gopalganj	Gopalganj	Jadipur Shukul	147	906	1053	13	2	11
Jamui	Lakshmiipur	Donha	171	149	320	13	7	6
Jamui	Jhajha	Tola Parsatanr	368	396	764	13	6	7
Jamui	JHAJHA	JHAJHA (NP) 19	209	1755	1964	13	1	12
Jamui	Jhajha	Tola Baijla	2180	124	2304	13	12	1
Jehanabad*	Jehanabad	Pandui	213	231	444	13	6	7
Jehanabad	Makhdumpur	Machhil	645	346	991	13	8	5
Kaimur (Bhabua)	Chand	Hansrew	189	205	394	13	6	7
Kaimur (Bhabua)	Adhaura	Athan	178	813	991	13	2	11
Katihar	Barsoi	Bahrakhar	4	612	616	13	0	13
Katihar	Amdabad	Gadai Maharajpur	88	928	1016	13	1	12
Khagaria	Alauli	Goriami	389	835	1224	13	4	9
Kishanganj	Thakurganj	Tatpowa	39	1016	1055	13	0	13
Kishanganj	Thakurganj	Besarbati	47	3086	3133	13	0	13
Lakhisarai	Surajgarha	Kawadpur	13	460	473	13	0	13
Madhepura	Alamnagar	Bispatti	238	1204	1442	13	2	11
Madhubani	Phulparas	Musharnia	230	660	890	13	3	10
Madhubani	Phulparas	Phulparas	3488	116	3604	13	13	0
Munger	Sangrampur	Pauria	107	258	365	13	4	9
Munger	Tetiha Bambor	Bhunna	9	633	642	13	0	13
Muzaffarpur	Sakra	Chhapra Bahar	108	196	304	13	5	8
Muzaffarpur	Bandra	Bishunpur Mehsi	206	154	360	13	7	6
Muzaffarpur	Saraiya	Dhanupara	86	338	424	13	3	10
Muzaffarpur	Kurhani	Baghi Hamarayan	391	279	670	13	8	5
Muzaffarpur	Aurai	Bhadai	332	600	932	13	5	8

Nalanda	Islampur	Pachloa	188	353	541	13	5	8
Nalanda	Silao	Barakar	239	801	1040	13	3	10
Nawada	Meskaur	Gobindpur Urf Qanungo Bieha	171	350	521	13	4	9
Nawada	Pakribarawan	Belkhunda	361	575	936	13	5	8
Pashchim Champaran*	Sidhaw	Bindauliya	169	155	324	13	7	6
Pashchim Champaran	Sidhaw	Ausani	371	482	853	13	6	7
Patna	Dhanarua	Binaika	150	82	232	13	8	5
Patna	Bikram	Baigawan	316	84	400	13	10	3
Patna	Bihta	Daulatpur Semri	437	652	1089	13	5	8
Patna	Bakhtiarpur	Kala Diara	1895	583	2478	13	10	3
Purbi Champaran	Kalyanpur	Menaora	330	48	378	13	11	2
Purbi Champaran	Motihari	Pataura Tola Gorhwa	1363	990	2353	13	8	5
Purnia	Baisi	Mandel	0	712	712	13	0	13
Purnia	Banmankhi	Rampur Tilak	2913	4547	7460	13	5	8
Rohas	Karakat	Gera	157	29	186	13	11	2
Rohas	Tilouthu	Jaraha	171	186	357	13	6	7
Rohas	Kochas	Satasa	273	227	500	13	7	6
Rohas	Nauhatta	Tilokhar	3105	2631	5736	13	7	6
Saharsa	Saur Bazar	Bhabtia	259	497	756	13	4	9
Samastipur	Samastipur	Kewasnimamat	151	640	791	13	2	11
Samastipur	Bibhupur	Singhia Buzurg	265	2976	3241	13	1	12
Saran	Jalalpur	Paraskhan	74	142	216	13	4	9
Saran	Ishupur	Agauthar Sundar	142	247	389	13	5	8
Saran	Panapur	Harakhpakri	77	535	612	13	2	11
Saran	Parsa	Bankerwa	296	563	859	13	4	9
Sheikhpura	Chewara	Kapasi	135	302	437	13	4	9
Sheohar	Dumri Katsari	Dhanhara Urf Dharampur	244	115	359	13	9	4
Sitamarhi	Parihar	Kanhwa	339	222	561	13	8	5
Sitamarhi	Pupri	Bhima Makresar	807	134	941	13	11	2
Siwan	Goriakothi	Laka Tola	176	253	429	13	5	8
Siwan	Siswan	Bawan Dih	85	658	743	13	1	12
Supaul	Pipra	Lalpatti	135	1146	1281	13	1	12
Supaul	Marauna	Rasuar	679	1534	2213	13	4	9
Vaishali	Vaishali	Bishunpur Patty	41	152	193	13	3	10
Vaishali	Mahua	Narangi Sarsikan	97	194	291	13	4	9
Vaishali	Sahdai Buzurg	Majruhi Urf Sahoria	141	372	513	13	4	9
Vaishali	Lalganj	Bakhra Buzurg Urf Jagarnath	296	292	588	13	7	6
		Total	32951	53863	86814	1118	402	716

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 62
Reserved Villages 4
Total Samples

1066
52
1118

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Simple Random Sampling - Chandigarh - 6

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 10 + (Cattle + Buffalo) = 26

Design Level Prevalence(% of unprotected) = 0.3

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.21

Sensitivity of the test used = 0.95

Total No of Villages (Clusters) Selected= 13

Total No of Animals to be Sampled = 143(Restricted)

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Chandigarh	Chandigarh	Chandigarh (MCorp.) - WardNo.24	0	122	122	11	0	11
Chandigarh	Chandigarh	Behlana (Ct)	41	83	124	11	4	7
Chandigarh	Chandigarh	Mauli Jagran (Ct)	201	194	395	11	6	5
Chandigarh	Chandigarh	Sarangpur	387	132	519	11	8	3
Chandigarh	Chandigarh	Chandigarh Kalan &Makhan Majra	358	191	549	11	7	4
Chandigarh	Chandigarh	Chandigarh (MCorp.) - WardNo.12	219	390	609	11	4	7
Chandigarh	Chandigarh	Chandigarh (MCorp.) - Ward No.4	605	413	1018	11	7	4
Chandigarh	Chandigarh	Basti Kishangarh,BastiBhagwati	706	559	1265	11	6	5
Chandigarh	Chandigarh	Kaimbwala	882	515	1397	11	7	4
Chandigarh	Chandigarh	Chandigarh (MCorp.) - WardNo.20	20	1623	1643	11	0	11
Chandigarh	Chandigarh	Dhanas	1200	840	2040	11	6	5
Chandigarh	Chandigarh	Chandigarh (MCorp.) - WardNo.14	5	2894	2899	11	0	11
Chandigarh	Chandigarh	Chandigarh (MCorp.) - Ward No.1	3371	2211	5582	11	7	4
		Total	7995	10167	18162	143	62	81

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 10 + (Cattle + Buffalo) = 12899
 Design Level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer impovement) = 0.04
 Sensitivity of the test used = 0.9
 Total No of Villages (Clusters) Selected = 79
 Total No of Animals to be Sampled = 1021(Restricted)

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Balod	Gunderdehi	Tavera	80	788	868	13	1	12
Baloda Bazar	Simga	Chorha Nawageon	97	392	489	13	3	10
Baloda Bazar	Kasdol	Chhechhar	45	1259	1304	13	0	13
Balrampur	Ramanujanj	Barahnagar	56	674	730	13	1	12
Balrampur	Ramanujanj	Pipraul	640	1582	2222	13	4	9
Bastar	Bastanar	Tirthum	78	373	451	13	2	11
Bastar	Bastar	Salemeta	33	1216	1249	13	0	13
Bemetara	Saja	Bod	6	613	619	13	0	13
Bemetara	Saja	Raudra	88	675	763	13	1	12
Bijapur	Bijapur	Dupeli	0	505	505	13	0	13
Bijapur	BHAIRAMGARH	Shri Bharam baba ward	0	1012	1012	13	0	13
Bilaspur	Marwahi	Bahrijhorki	21	176	197	13	1	12
Bilaspur	Marwahi	Kargikalan	117	467	584	13	3	10
Bilaspur	Marwahi	Madwahi	95	588	683	13	2	11
Bilaspur	Pendra	Bariumrao	27	798	825	13	0	13
Bilaspur	Takhatpur	Muru	133	742	875	13	2	11
Dantewada	Gidam	Haram	21	892	913	13	0	13
Dantewada	Katekalyan	Marjum	1010	1259	2269	13	6	7
Dhantari	Kurud	Khapri (Silauti)	58	256	314	13	2	11
Dhantari	Dhantari	Barna	82	405	487	13	2	11
Durg	Bhilai	KOHKA PURANI BASTI WARD	129	309	438	13	4	9
Durg	Patan	Jheet	96	1224	1320	13	1	12
Gariyaband	Mainpur	Chana Bhatha	2	320	322	13	0	13
Gariyaband	Deobhog	Nishtiguda	0	637	637	13	0	13
Janjgir-Champa	Baloda	Donga Pendar F.V.	4	328	332	13	0	13
Janjgir-Champa	Sakti	Nandor Khurd	6	620	626	13	0	13
Janjgir-Champa	Nawagarh	Godhna	115	1114	1229	13	1	12
Janjgir-Champa	Akaltara	Taga	78	1302	1380	13	1	12
Jashpur	Farsabahal	Chharla	0	253	253	13	0	13
Jashpur	Bagicha	Sutri	21	651	672	13	0	13
Jashpur	Farsabahal	Sagor	10	733	743	13	0	13
Jashpur	Bagicha	Gailunga	34	1151	1185	13	0	13
Kabirdham (Kawardha)	Kawardha	Ghirghosa	29	267	296	13	1	12
Kabirdham (Kawardha)	Bodla	Dholbajja	37	363	400	13	1	12
Kabirdham (Kawardha)	Sahaspur Lohara	Thothma Nawapara	12	510	522	13	0	13
Kabirdham (Kawardha)	Sahaspur Lohara	Ranidahara	70	732	802	13	1	12
Kanker	Bhanupratappur	Khadaka	45	202	247	13	2	11
Kanker	Durgkondal	Pujari Para	48	273	321	13	2	11
Kanker	Bhanupratappur	Karmoti	31	356	387	13	1	12
Kanker	Kanker	Talakurra	10	792	802	13	0	13
Kanker	Antagarh	Sode	92	800	892	13	1	12
Kondagaon	Makdi	Bedesohnga	11	703	714	13	0	13
Kondagaon	Kondagaon	Hangwa	27	1722	1749	13	0	13
Korba	Kartala	Kapupahri	12	171	183	13	1	12
Korba	Poundi-Uroda	Babupara	52	388	440	13	2	11
Korba	Pali	Nirdhi	98	786	884	13	1	12
Korba	Pali	Kapot	175	888	1063	13	2	11
Korea	Bharatpur	Amaradandi	209	310	519	13	5	8
Korea	Khadganva	Sakaraya	235	1101	1336	13	2	11

Mahasamund	Pithora	Jarra	4	162	166	13	0	13
Mahasamund	Basna	Bilkhand	0	201	201	13	0	13
Mahasamund	Basna	Bendari	1	228	229	13	0	13
Mahasamund	Mahasamund	Barekel Kalan	37	398	435	13	1	12
Mahasamund	Saraipali	Awalachaka	4	450	454	13	0	13
Mungeli	Pathariya	Tegnagarh	48	284	332	13	2	11
Mungeli	Lormi	Lapti	432	1172	1604	13	4	9
Narayanpur	Orchha	Dodimarka	0	580	580	13	0	13
Narayanpur	Narayanpur	Binjee	153	2034	2187	13	1	12
Raigarh	Saria	ward no 4	0	30	30	11	0	11
Raigarh	Udaipur (Dharamjaigarh)	Kansabhar	12	128	140	13	1	12
Raigarh	Tannar	Chitwahi	22	276	298	13	1	12
Raigarh	Tannar	Banai	13	297	310	13	1	12
Raigarh	Sarangarh	Deogaon Patharipali	16	327	343	13	1	12
Raigarh	Lailunga	Birsingha	0	470	470	13	0	13
Raipur	Abhanpur	Sitala mandir ward	109	600	709	13	2	11
Raipur	Arang	Bana-1 (Bana)	151	1252	1403	13	1	12
Rajnandgaon	Chhuikhadan	Kohkajhori	0	14	14	9	0	9
Rajnandgaon	Manpur	Pusewada	10	236	246	13	1	12
Rajnandgaon	Chhuikhadan	Kohlatola	20	418	438	13	1	12
Rajnandgaon	Manpur	Dorba	62	476	538	13	1	12
Rajnandgaon	Chhuikhadan	Thakurtola	44	609	653	13	1	12
Rajnandgaon	Dongargaon	Darrabandha	2	920	922	13	0	13
Rajnandgaon	Khairagarh	Salouni	37	923	960	13	1	12
Sukma	Chhindgarh	Chipurpal	0	923	923	13	0	13
Sukma	Chhindgarh	Mundwal	22	1181	1203	13	0	13
Surajpur	Surajpur	Lachha	68	559	627	13	1	12
Surajpur	Premnagar	Chandannagar	234	1862	2096	13	1	12
Surguja	Ambikapur	Mendra Khurd	109	593	702	13	2	11
Surguja	Lundra	Sasouli	300	883	1183	13	3	10
Total			6285	52164	58449	1021	86	935

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 30 + (Cattle + Buffalo) = 173

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence(Adjusted for % of titer improvement) = 0.06

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 56

Total No of Animals to be Sampled = 721

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
CENTRAL	Civil Lines	Jharoda Majra Burari	4786	1254	6040	13	10	3
EAST	TRILOKPURI	NEW ASHOK NAGAR	30	20	50	12	7	5
EAST	PATPARGANJ	PATPAR GANJ	50	49	99	13	7	6
EAST	Preet Vihar	Gazi Pur	43	344	387	13	1	12
EAST	Mayur Vihar	Chilla Saroda Bangar	338	88	426	13	10	3
EAST	Mayur Vihar	Chilla Saroda Khadar	556	506	1062	13	7	6
NEW DELHI	Vasant Vihar	Masood Pur	1759	608	2367	13	10	3
NORTH	BADLI	SWAMI SHARDA NAND COLONY	43	24	67	12	8	4
NORTH	BADLI	SARUP NAGAR	61	124	185	13	4	9
NORTH	Alipur	Singhu	93	117	210	13	6	7
NORTH	Narela	Tikri Khurd	189	115	304	13	8	5
NORTH	Alipur	Ghari Khasora	162	176	338	13	6	7
NORTH	BADLI	SAMAYPUR BADLI	150	247	397	13	5	8
NORTH	Narela	Mamoor Pur	524	316	840	13	8	5
NORTH	Narela	Nangal Thakran village	522	347	869	13	8	5
NORTH	NARELA	BAKHTAWARPUR	541	397	938	13	7	6
NORTH	Alipur	Tehri Daulat Pur	485	617	1102	13	6	7
NORTH EAST	SEELAMPUR	SEELAMPUR	5	39	44	12	1	11
NORTH EAST	KARAWAL NAGAR	SONIA VIHAR	36	32	68	12	6	6
NORTH EAST	BABARPUR	SABOLI	46	42	88	12	6	6
NORTH EAST	KARAWAL NAGAR	KARAWAL NAGAR-EAST	57	77	134	13	6	7
NORTH EAST	MUSTAFABAD	JANTA COLONY	190	7	197	13	13	0
NORTH EAST	SHIV VIHAR	SADATPUR	157	57	214	13	10	3
NORTH WEST	SHALIMAR BAGH	HAIDERPUR	64	39	103	13	8	5
NORTH WEST	SHAKUR BASTI	RANI BAGH	105	24	129	13	11	2
NORTH WEST	Kanjhawala	Budhan Pur	156	100	256	13	8	5
NORTH WEST	Kanjhawala	Jat Khor	345	90	435	13	10	3
NORTH WEST	Kanjhawala	Nizam Pur Rashid Pur	377	68	445	13	11	2
NORTH WEST	TRI NAGAR	TRI NAGAR	2	814	816	13	0	13
NORTH WEST	Kanjhawala	Karala	1561	742	2303	13	9	4
SHAHDARA	SEEMA PURI	SUNDER NAGRI	191	16	207	13	12	1
SHAHDARA	SEEMA PURI	NEW SEEMAPURI	125	98	223	13	7	6
SOUTH	MEHRAULI	MEHRAULI	50	21	71	12	8	4
SOUTH	Mehrauli	Sultan Pur	29	64	93	13	4	9
SOUTH	R K PURAM	MUNIRKA	0	198	198	13	0	13
SOUTH	Mehrauli	Chandan Hola	290	81	371	13	10	3
SOUTH	GREATER KAILASH	BHATI	684	920	1604	13	6	7
SOUTH	MEHRAULI	AYA NAGAR	4559	768	5327	13	11	2
SOUTH EAST	Sarita Vihar	Aali	27	90	117	13	3	10
SOUTH EAST	OKHLA	MADANPUR KHADAR WEST	2233	375	2608	13	11	2
SOUTH WEST	BIJWASAN	KAPASHERA	53	72	125	13	6	7
SOUTH WEST	Najafgarh	Surakh Pur	151	37	188	13	10	3
SOUTH WEST	MATIALA	ROSHANPURA	125	127	252	13	6	7
SOUTH WEST	Kapeshera	Rewla Khan Pur	164	274	438	13	5	8
SOUTH WEST	Najafgarh	Sarang Pur	327	166	493	13	9	4
SOUTH WEST	Dwarka	Dhool Siras	224	472	696	13	4	9
SOUTH WEST	Najafgarh	Kair	320	418	738	13	6	7
SOUTH WEST	Najafgarh	Samas Pur Khalsa	915	250	1165	13	10	3
SOUTH WEST	Najafgarh	Issa Pur	1423	962	2385	13	8	5

SOUTH WEST	Najafgarh	Jharoda Kalan	1728	748	2476	13	9	4
WEST	VIKASPURI	BAPRAULA	63	26	89	12	8	4
WEST	Punjabi Bagh	Tilang Pur Kotla	150	95	245	13	8	5
WEST	Punjabi Bagh	Hiran Kudna	372	79	451	13	11	2
WEST	VIKASPURI	VIKASPURI	81	453	534	13	2	11
WEST	VIKASPURI	SAINIK ENCLAVE	415	1091	1506	13	4	9
WEST	Punjabi Bagh	Tikri Kalan	2002	643	2645	13	10	3
		Total	30134	16024	46158	721	405	316

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

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FMD/SEROMON/NIVEDI/ROUND-V/Daman And Diu_9/2023
Two Stage Stratified Random Sampling:
 Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 5 + (Cattle + Buffalo) = 39
 Design Level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer improvement)= 0.13
 Sensitivity of the test used = 0.9
 Total No of Villages (Clusters) Selected = 19
 Total No of Animals to be Sampled = 240(Restricted)

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Daman	Daman	Damanwada Dama O De Cima	4	14	18	10	2	8
Daman	Daman	Daman (M CI) - Ward No.3	0	39	39	12	0	12
Daman	Daman	Zari	4	41	45	12	1	11
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Demani	0	51	51	12	0	12
Daman	Daman	Janivankad	26	32	58	12	5	7
Daman	Daman	Bhimpore Ct	24	66	90	13	3	10
Daman	Daman	Kachigam Ct	26	70	96	13	4	9
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Khadoli	6	109	115	13	1	12
Dadra And Nagar Haveli	Dapada	Chinchpada I	0	117	117	13	0	13
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Tighra	0	157	157	13	0	13
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Chauda	0	216	216	13	0	13
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Umarkui	0	226	226	13	0	13
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Ghodbari	0	271	271	13	0	13
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Kudacha	0	299	299	13	0	13
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Athal	5	323	328	13	0	13
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Jamalpada	0	499	499	13	0	13
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Karad	10	649	659	13	0	13
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Saily	33	694	727	13	1	12
Dadra And Nagar Haveli	Dadra & Nagar Haveli	Dudhani	19	916	935	13	0	13
		Total	157	4789	4946	240	17	223

a: District Name
 b: Block Name
 c: Village Name
 d: Buffalo Population
 e: Cattle Population

f: Buffalo + Cattle Population
 g: Number of units to sample
 h: Buffalo Proportion
 i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 10 + (Cattle + Buffalo) = 168
 Design Level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer impovement)= 0.06
 Sensitivity of the test used = 0.9
 Total No of Villages (Clusters) Selected = 54
 Total No of Animals to be Sampled = 649(Restricted)

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
North Goa	Tiswadi	Renovadi (Og)	11	6	17	10	6	4
North Goa	Satari	Satorem	19	5	24	11	9	2
North Goa	Sanquelim	Sanquelim (M Cl) - Ward No.9	11	20	31	11	4	7
North Goa	Tiswadi	Morambi-O-Pequeno (Merces) (Og)	22	10	32	11	8	3
North Goa	Tiswadi	Jua (Ct)	22	12	34	11	7	4
North Goa	Satari	Guleli	9	26	35	11	3	8
North Goa	Satari	Codal	0	40	40	12	0	12
North Goa	Pernem	Pernem (M Cl) - Ward No.5	16	25	41	12	5	7
North Goa	Satari	Podocem	18	26	44	12	5	7
North Goa	Bardez	Salvador Do Mundo (Ct)	21	25	46	12	5	7
North Goa	Bardez	Moitem	8	44	52	12	2	10
North Goa	Satari	Dabem	0	52	52	12	0	12
North Goa	Tiswadi	Cumbarjua (Ct)	24	30	54	12	5	7
North Goa	Bicholim	Ona	16	40	56	12	3	9
North Goa	Pernem	Poroscodem	26	34	60	12	5	7
North Goa	Tiswadi	Neura-O-Grande	16	48	64	12	3	9
North Goa	Bardez	Verla	5	62	67	12	1	11
North Goa	Satari	Ambedem	9	60	69	12	2	10
North Goa	Satari	Codvol	3	69	72	12	1	12
North Goa	Bardez	Parra	4	78	82	12	1	11
North Goa	Satari	Siranguli	0	107	107	13	0	13
North Goa	Satari	Birondem	5	109	114	13	1	12
North Goa	Satari	Carambolim-Bozruco	0	114	114	13	0	13
North Goa	Pernem	Pernem (M Cl) - Ward No.3	70	45	115	13	8	5
North Goa	Mapusa	Mapusa (M Cl) - Ward No.4	68	50	118	13	7	6
North Goa	Pernem	Mopa	74	90	164	13	6	7
North Goa	Satari	Naneli	59	122	181	13	4	9
South Goa	Sanguem	Sanguem (M Cl) - Ward No.10	1	19	20	10	1	10
South Goa	Mormugao	Mormugao (M Cl) - Ward No.17	4	17	21	10	2	8
South Goa	Mormugao	Mormugao (M Cl) - Ward No.16	0	21	21	10	0	10
South Goa	Quepem	Zanodem	6	27	33	11	2	9
South Goa	Sanguem	Xelpem	0	35	35	11	0	11
South Goa	Dharbandora	Camarconda	16	19	35	11	5	6
South Goa	Dharbandora	Comonem	8	28	36	11	2	9
South Goa	Sanguem	Costi	12	27	39	12	4	8
South Goa	Canacona	Canacona (M Cl) - Ward No.4	24	21	45	12	6	6
South Goa	Sanguem	Muguli	30	17	47	12	8	4
South Goa	Salcete	Dramapur	0	50	50	12	0	12
South Goa	Quepem	Undorna	36	16	52	12	8	4
South Goa	Salcete	Velim	40	14	54	12	9	3
South Goa	Salcete	Assolna	48	7	55	12	10	2
South Goa	Mormugao	Mormugao (M Cl) - Ward No.5	31	29	60	12	6	6
South Goa	Salcete	Cavelossim	14	72	86	12	2	10
South Goa	Canacona	Canacona (M Cl) - Ward No.7	50	44	94	13	7	6
South Goa	Curchorem Cacora	Curchorem Cacora (M Cl) - Ward No.7	77	17	94	13	11	2
South Goa	Curchorem Cacora	Curchorem Cacora (M Cl) - Ward No.9	53	44	97	13	7	6
South Goa	Quepem	Molcopona	35	62	97	13	5	8
South Goa	Canacona	Canacona (M Cl) - Ward No.3	19	90	109	13	2	11
South Goa	Quepem	Sulcorna	15	98	113	13	2	11

South Goa	Salcete	Sao Jose De Areal (Ct)	46	97	143	13	4	9
South Goa	Sanguem	Cotarli	68	94	162	13	5	8
South Goa	Ponda	Candola (Ct)	138	73	211	13	9	4
South Goa	Ponda	Nirancal	81	170	251	13	4	9
South Goa	Quepem	Ambaulim	67	231	298	13	3	10
Total			1455	2788	4243	649	225	426

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e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 12319

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.02

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 165(+11 Villages Reserved)

Total No of Animals to be Sampled = 2145

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
AHMADABAD	Dhandhuka	Fedra	393	643	1036	13	5	8
AHMADABAD	Virangam	Vasveliya	648	420	1068	13	8	5
AHMADABAD	Bavla	Metal	1624	200	1824	13	12	1
AHMADABAD	Daskroi	Garad	1390	707	2097	13	9	4
AMRELI	Rajula	Dharano Nes	58	55	113	13	7	6
AMRELI	Kunkavav Vadia	Talali	194	181	375	13	7	6
AMRELI*	Kunkavav Vadia	Ujala-Nava	123	363	486	13	3	10
AMRELI	Rajula	Bhakshi	264	258	522	13	7	6
AMRELI	Savar Kundla	Dolti	388	339	727	13	7	6
AMRELI	Lathi	Matirala	458	446	904	13	7	6
ANAND	Borsad	Gorva	882	127	1009	13	11	2
ANAND	Borsad	Borsad (M) - Ward No.2	1591	498	2089	13	10	3
ANAND*	Anand Rural	Napad Vanto	3625	491	4116	13	11	2
ANAND	Anand Rural	Khambholaj	5562	6917	12479	13	6	7
ARVALLI	Dhansura	Bhotudev-no-Math	118	198	316	13	5	8
ARVALLI	Bayad	Rugnathpura	433	163	596	13	9	4
ARVALLI	Meghraj	Sisodara (Megharaj)	615	645	1260	13	6	7
ARVALLI	Meghraj	Rajpur (Ramgadhi)	639	630	1269	13	7	6
ARVALLI*	Modasa	Tintoi	1005	1354	2359	13	6	7
ARVALLI	Meghraj	Banthivada (Ajuhirola)	3307	3810	7117	13	6	7
BANAS KANTHA	Bhabhar	Dhenkwadi	301	61	362	13	11	2
BANAS KANTHA	Deesa	Chaitrala	412	524	936	13	6	7
BANAS KANTHA	Danta	Ghorad	680	629	1309	13	7	6
BANAS KANTHA	Tharad	Ajawada	1297	507	1804	13	9	4
BANAS KANTHA	Danta	Vasi	959	1151	2110	13	6	7
BANAS KANTHA*	Danta	Nargadh	406	1723	2129	13	2	11
BANAS KANTHA	Deesa	Shamshepura	1656	1275	2931	13	7	6
BANAS KANTHA	Kankrej	Nana Jampur	3038	118	3156	13	13	0
BANAS KANTHA	Vadgam	Karnala	838	2488	3326	13	3	10
BANAS KANTHA	Lakhani	Dhroba	1113	2220	3333	13	4	9
BANAS KANTHA	Deodar	Dhanakwada	2706	2273	4979	13	7	6
BANAS KANTHA	Dantiwada	Bhakhar Moti	4635	6518	11153	13	5	8
BHARUCH	Jhagadia	Vaghpara (Dumala)	104	76	180	13	8	5
BHARUCH	Vagra	Aladar	211	72	283	13	10	3
BHARUCH	Netrang	Mota Malpor	106	233	339	13	4	9
BHARUCH	Jambusar	Jantran	361	89	450	13	10	3
BHARUCH*	Valia	Rajagadh	376	404	780	13	6	7
BHARUCH	Valia	Rundha	264	1405	1669	13	2	11
BHAVNAGAR	Palitana	Palitana (M) - Ward No.4	30	75	105	13	4	9
BHAVNAGAR	Palitana	Virpur (Palitana)	330	104	434	13	10	3
BHAVNAGAR	Mahuva	Taveda	443	230	673	13	9	4
BHAVNAGAR	Palitana	Mandavda	583	343	926	13	8	5
BHAVNAGAR*	Ghogha	Trambak	734	479	1213	13	8	5
BHAVNAGAR	Talaja	Trapaj	1235	641	1876	13	9	4
BOTAD	Gadhada	Sanjanavadar	191	765	956	13	3	10
BOTAD	Ranpur	Alau	581	2384	2965	13	3	10
CHHOTAUDEPUR	Chhota Udaipur	Sursi	61	194	255	13	3	10
CHHOTAUDEPUR	Jetpur Pavi	Samadi	264	127	391	13	9	4
CHHOTAUDEPUR	Nasvadi	Nani Jaduli	51	456	507	13	1	12

CHHOTAUDEPUR	Chhota Udaipur	Hansda	161	381	542	13	4	9
CHHOTAUDEPUR	Kavant	Manavant	355	284	639	13	7	6
CHHOTAUDEPUR	Jetpur Pavi	Lunaja	367	422	789	13	6	7
CHHOTAUDEPUR	Kavant	Chhodvani	334	1378	1712	13	3	10
CHHOTAUDEPUR*	Kavant	Saidivasan	294	1422	1716	13	2	11
DANG	Ahwa	Vanzarghodi	30	211	241	13	2	11
DANG	Ahwa	Madalbari	8	262	270	13	0	13
DANG	Waghai	Tekpada	57	343	400	13	2	11
DANG	Subir	Khajurna	47	460	507	13	1	12
DEVBHUMI DWARKA	Khambhalia	Chudeshvar	402	593	995	13	5	8
DEVBHUMI DWARKA	Bhanvad	Chokhanda	2051	538	2589	13	10	3
DOHAD	Dhanpur	Bhuvero	0	516	516	13	0	13
DOHAD	Jhalod	Dageriya	242	775	1017	13	3	10
DOHAD	Devgadbaria	Nani Khajuri	767	646	1413	13	7	6
DOHAD	Fatepura	Inta	391	1305	1696	13	3	10
DOHAD	Limkheda	Vateda	1294	1088	2382	13	7	6
DOHAD*	Garbada	Chharchhoda	1250	1534	2784	13	6	7
DOHAD	Limkheda	Mota Hathidhara	1971	1807	3778	13	7	6
GANDHINAGAR	Gandhinagar	Chiloda (Dabhoda)	1020	675	1695	13	8	5
GANDHINAGAR	Kalol Gandhinagar	Sherisa	2540	370	2910	13	11	2
GIR SOMNATH	Kodinar	Nagadla	232	304	536	13	6	7
GIR SOMNATH	Patan-Veraval	Kodidara	333	798	1131	13	4	9
GIR SOMNATH	Gir Gadhdha	Gir Gadhdha	551	945	1496	13	5	8
GIR SOMNATH	Patan-Veraval	Dari	1508	930	2438	13	8	5
JAMNAGAR*	Lalpur	Sevak Dhuniya	99	392	491	13	3	10
JAMNAGAR	Dhrol	Dhrol (M) - Ward No.7	272	436	708	13	5	8
JAMNAGAR	Jamjodhpur	Patan	1475	805	2280	13	8	5
JAMNAGAR	Kalavad	Mota Vadala	1156	2089	3245	13	5	8
JUNAGADH	Vanthali	Kajaliya Mota	313	56	369	13	11	2
JUNAGADH	Bhesan	Hadmatiya Khajuri	307	226	533	13	7	6
JUNAGADH	Mangrol	Zariyavada	242	303	545	13	6	7
JUNAGADH	Malia Hatina	Jamuda	352	441	793	13	6	7
JUNAGADH	Chorvad	Chorvad (M) - Ward No.1	237	860	1097	13	3	10
KACHCHH	Gandhidham	Gandhidham (M) - Ward No.4	41	98	139	13	4	9
KACHCHH	Rapar	Nanda	352	96	448	13	10	3
KACHCHH	Mandvi	Kotaya	21	511	532	13	1	12
KACHCHH	Abdasa	Nandhra Nana	192	595	787	13	3	10
KACHCHH	Nakhatrana	Oriro	908	105	1013	13	12	1
KACHCHH	Rapar	Khandek	240	970	1210	13	3	10
KACHCHH	Lakhpatt	Ghaduli	776	605	1381	13	7	6
KACHCHH	Anjar	Ningal	1004	449	1453	13	9	4
KACHCHH	Abdasa	Jakhau	1542	1198	2740	13	7	6
KACHCHH*	Bhachau	Adhoi (Pasakayara)	826	2105	2931	13	4	9
KHEDA	Kapadvanj	Kabhaina Muvada	202	538	740	13	4	9
KHEDA	Mahudha	Dhandhodi	572	662	1234	13	6	7
KHEDA	Matar	Haijarabad	703	1172	1875	13	5	8
KHEDA	Galteshwar	Vanoda	1473	1023	2496	13	8	5
KHEDA	Thasra	Saiyat	3059	547	3606	13	11	2
MAHESANA	Mahesana	Navi Sedhavi	410	127	537	13	10	3
MAHESANA	Satlasana	Malapura	407	481	888	13	6	7
MAHESANA	Satlasana	Nedardi	585	401	986	13	8	5
MAHESANA	Kadi	Fuletra	941	113	1054	13	12	1
MAHESANA	Mahesana	Vadosan	1338	320	1658	13	10	3
MAHESANA	Kadi	Nandasan	8677	2169	10846	13	10	3
Mahisagar	Kadana	Pandori ni Andhari	93	24	117	13	10	3
Mahisagar	Balasinor	Gundela	245	263	508	13	6	7

Mahisagar	Santrapur	Bhenadra	273	391	664	13	5	8
Mahisagar	Santrapur	Dhamotna Moyla	580	497	1077	13	7	6
Mahisagar	Lunawada	Ankalwa	1308	311	1619	13	11	2
Mahisagar	Santrapur	Anjanwa	1298	590	1888	13	9	4
Mahisagar	Khanpur	Khuntelav	3303	353	3656	13	12	1
MORBI	Wankaner	Bherda	917	268	1185	13	10	3
MORBI	Wankaner	Sardharka	1717	684	2401	13	9	4
NARMADA	Dediapada	Thapavi	43	87	130	13	4	9
NARMADA	Nandod	Khamar	3	237	240	13	0	13
NARMADA	Nandod	Gubar	246	192	438	13	7	6
NARMADA	Dediapada	Mathavali	111	421	532	13	3	10
NARMADA	Dediapada	Patvali	252	612	864	13	4	9
NARMADA	Dediapada	Mohbudi	186	866	1052	13	2	11
NAVSARI	Khergam	Pananj	160	204	364	13	6	7
NAVSARI	Bansda	Vasiya Talav	103	584	687	13	2	11
NAVSARI	Bansda	Sindhai	415	1592	2007	13	3	10
NAVSARI	Chikhli	Mandav Khadak	204	2802	3006	13	1	12
PANCH MAHALS	Jambughoda	Jotvad	224	84	308	13	9	4
PANCH MAHALS	Halol	Jimiyapura	158	318	476	13	4	9
PANCH MAHALS	Godhra	Veganpur	597	449	1046	13	7	6
PANCH MAHALS	Kalol	Ghusar	709	506	1215	13	8	5
PANCH MAHALS	Halol	Dhinkva	1180	951	2131	13	7	6
PANCH MAHALS	Shehera	Sajivav	1440	1238	2678	13	7	6
PATAN	Santalpur	Jakhotra	427	395	822	13	7	6
PATAN	Santalpur	Parsund	756	255	1011	13	10	3
PATAN	Harij	Buda	1117	0	1117	13	13	0
PATAN	Radhanpur	Nanapura	1142	260	1402	13	11	2
PATAN	Sidhpur	Melaj	1327	911	2238	13	8	5
PORBANDAR	Porbandar	Gorsar	1097	235	1332	13	11	2
PORBANDAR	Ranavav	Ranavav (M) - Ward No.3	1229	199	1428	13	11	2
RAJKOT	Lodhika	Virva	65	130	195	13	4	9
RAJKOT	Dhoraji	Bhutvad	202	285	487	13	5	8
RAJKOT	Gondal	Kamadhiya	251	470	721	13	5	8
RAJKOT	Lodhika	Sanganva	337	566	903	13	5	8
RAJKOT	Paddhari	Khakhada Bela	813	513	1326	13	8	5
RAJKOT	Jasdan	Bakhalvad	752	1032	1784	13	5	8
SABAR KANTHA	Idar	Vasna (Davad)	262	205	467	13	7	6
SABAR KANTHA	Himatnagar	Vamoj	302	332	634	13	6	7
SABAR KANTHA	Idar	Kishorgadh	246	1178	1424	13	2	11
SABAR KANTHA	Vadali	Dantroli	510	996	1506	13	4	9
SABAR KANTHA	Vadali	Dharol	661	1386	2047	13	4	9
SABAR KANTHA	POSHINA	Dantral	782	2763	3545	13	3	10
SURAT	Bardoli	Gotasa	69	35	104	13	9	4
SURAT	Umarpada	Chandrapada	203	214	417	13	6	7
SURAT	Mangrol	Gadkachh	278	307	585	13	6	7
SURAT	Chorasi	Kansad	315	565	880	13	5	8
SURAT	Surat	Palanpor (OG) - Ward No.76	682	427	1109	13	8	5
SURAT	Mahuva	Lasanpor	174	1290	1464	13	2	11
SURAT	Kamrej	Akhakhol	129	4203	4332	13	0	13
SURENDRANAGAR	Lakhtar	Sakar	510	55	565	13	12	1
SURENDRANAGAR	Dhrangadhra	Koparani	250	696	946	13	3	10
SURENDRANAGAR	Limbdi	Dhalwana	780	467	1247	13	8	5
SURENDRANAGAR	Chuda	Bhrugupur	429	993	1422	13	4	9
SURENDRANAGAR	Dhrangadhra	Soladi	1158	614	1772	13	8	5
TAPI	Songadh	Nindvada	346	222	568	13	8	5
TAPI	Songadh	Vadpada P Tokarva	356	280	636	13	7	6

TAPI	Vyara	Kohli	358	544	902	13	5	8
TAPI	Songadh	Malangdev	639	889	1528	13	5	8
TAPI*	Dolvan	Antapur	416	1660	2076	13	3	10
VADODARA	Sinor	Kanjetha	194	60	254	13	10	3
VADODARA	Vaghodia	Rahkui	185	268	453	13	5	8
VADODARA	Savli	Garadhiya	535	30	565	13	12	1
VADODARA	Vadodara Rural	Samiyala	297	269	566	13	7	6
VADODARA	Savli	Mevaliapura	821	64	885	13	12	1
VADODARA	DESAR	Jesar Gopari	836	151	987	13	11	2
VALSAD	Valsad	Kochwada	9	116	125	13	1	12
VALSAD	Kaprada	Dabhadi	41	237	278	13	2	11
VALSAD	Valsad	Kalwada	189	543	732	13	3	10
VALSAD	Pardi	Dumalav	57	830	887	13	1	12
VALSAD	Valsad	Vaghaldhara	189	976	1165	13	2	11
VALSAD	Kaprada	Sildha	149	5540	5689	13	0	13
		Total	130847	133069	263916	2288	1104	1184

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 165
Reserved Villages 11
Total Samples

2145
143
2288

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 100 + (Cattle + Buffalo) = 6700
 Design Level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer improvement)= 0.04
 Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+9 Villages Reserved)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
AMBALA	Ambala	Ahema (175)	191	93	284	13	9	4
AMBALA	Naraingarh	Husaini (Part)(308)	273	110	383	13	9	4
AMBALA	Barara	Chapra (156)	262	126	388	13	9	4
AMBALA	Naraingarh	Gobindpur (272)	404	102	506	13	10	3
AMBALA	Ambala	Pelakhni (21)	856	348	1204	13	9	4
BHIWANI	Siwani	Jhumpa Kalan(120)	453	308	761	13	8	5
BHIWANI	Bhiwani	Rewari Khera (4)	960	251	1211	13	10	3
BHIWANI	Bhiwani	Kharak Kalan (131)	1167	194	1361	13	11	2
BHIWANI*	Tosham	Miran (89)	1988	509	2497	13	10	3
CHARKI DADRI	Badhra	Gopi(35)	751	258	1009	13	10	3
CHARKI DADRI	Badhra	Lad (52)	1468	837	2305	13	8	5
FARIDABAD	Faridabad	Nacholi(155)	569	128	697	13	11	2
FARIDABAD	Faridabad	Badoli(116)	1110	492	1602	13	9	4
FATEHABAD	Ratia	Mehmadki(176)	368	133	501	13	10	3
FATEHABAD	Ratia	Babanpur(151)	642	456	1098	13	8	5
FATEHABAD	Fatehabad	Dharnia(45)	597	755	1352	13	6	7
FATEHABAD	Fatehabad	Kukranwali(34)	1046	747	1793	13	8	5
GURUGRAM	Farrukhnagar	Palri(12)	249	68	317	13	10	3
GURUGRAM*	Farrukhnagar	Khetawas(118)	276	155	431	13	8	5
GURUGRAM	Pataudi	Pataudi (MC) - Ward No.11	619	218	837	13	10	3
GURUGRAM	Farrukhnagar	Farrukhnagar (MC) - Ward No.1	61	5244	5305	13	0	13
HISAR	Barwala	Barwala (MC) Ward No. 19	143	1114	1257	13	1	12
HISAR	Hisar	Sulkhani(26)	1118	445	1563	13	9	4
HISAR	Uklanamandi	Uklanamandi (MC) - Ward No.9	37	2155	2192	13	0	13
HISAR	Adampur	Sadelpur(20)	6885	4776	11661	13	8	5
JHAJJAR	Bahadurgarh	Soldha(62)	359	109	468	13	10	3
JHAJJAR	Matenhail	Dhania(164)	523	99	622	13	11	2
JHAJJAR	Bahadurgarh	Bamnoli(35)	878	407	1285	13	9	4
JHAJJAR	Beri	Mahmudpur Majra(122)	1409	246	1655	13	11	2
JIND*	Jind	Bharon Khera (46)	787	100	887	13	12	1
JIND	Narwana	Hamirgarh (58)	1278	310	1588	13	10	3
JIND	Jind	Bibipur (17)	1734	469	2203	13	10	3
JIND	Jind	Kandela (90)	2711	733	3444	13	10	3
KAITHAL	Kaithal	Magho Majri (5)	432	69	501	13	11	2
KAITHAL	Guhla	Theh Banhera (2)	888	189	1077	13	11	2
KAITHAL	Fatehpur Pundri	Sakra (18)	1350	499	1849	13	9	4
KAITHAL	Kaithal	Padla (9)	1642	295	1937	13	11	2
KARNAL	Karnal	Mangalpur (Part)(1)	148	123	271	13	7	6
KARNAL	Assandh	Risalwa (96)	343	77	420	13	11	2
KARNAL*	Indri	Chand Samand (50)	247	351	598	13	5	8
KARNAL	Assandh	Kheri Sharafali (69)	424	194	618	13	9	4
KARNAL	Nilokheri	Raipur Roran (44)	478	406	884	13	7	6
KARNAL	Karnal	Shei Khpura (95)	746	530	1276	13	8	5
KURUKSHETRA	Ladwa	Ladwa (MC) - Ward No.13	60	42	102	13	8	5
KURUKSHETRA	Pehowa	Teokar (19)	201	73	274	13	10	3
KURUKSHETRA	Shahbad	Buhawa (126)	235	226	461	13	7	6
KURUKSHETRA	Thanesar	Katlaheri (91)	377	151	528	13	9	4
KURUKSHETRA	Thanesar	Bartoli (165)	422	369	791	13	7	6
KURUKSHETRA	Thanesar	Ajrana Khurd (276)	596	334	930	13	8	5
MAHENDRAGARH	Narnaul	Dochana(151)	267	65	332	13	10	3
MAHENDRAGARH	Narnaul	Mahrampur(129)	398	94	492	13	11	2
MAHENDRAGARH*	Narnaul	Nangal Dargu(260)	548	45	593	13	12	1

MAHENDRAGARH	Mahendragarh	Jhook(56)	642	126	768	13	11	2
MAHENDRAGARH	Mahendragarh	Dewas(79)	582	232	814	13	9	4
MEWAT	Taoru	Rangala (35)	185	57	242	13	10	3
MEWAT	Punahana	Gangwani(134)	294	51	345	13	11	2
MEWAT	Taoru	Sabras(27)	381	32	413	13	12	1
MEWAT	Nuh	Bainsi (204)	577	43	620	13	12	1
MEWAT	Ferozepur Jhirka	Padla Shahpuri (109)	1327	134	1461	13	12	1
PALWAL	Hathin	Mahulka(266)	265	31	296	13	12	1
PALWAL	Palwal	Jaindapur(16)	403	81	484	13	11	2
PALWAL*	Hathin	Khaika Hathin(289)	1105	25	1130	13	13	0
PALWAL	Palwal	Palwal (M CI) - Ward No.1	1446	467	1913	13	10	3
PANCHKULA	Panchkula	Haripur (13)	343	203	546	13	8	5
PANCHKULA	Panchkula	Khet Purali (218)	644	282	926	13	9	4
PANIPAT	Panipat	Sithana (14)	773	593	1366	13	7	6
PANIPAT	Panipat	Babail (26)	1588	316	1904	13	11	2
REWARI	Rewari	Kumbrodha (94)	281	33	314	13	12	1
REWARI	Rewari	Mandhia Khurd (90)	282	155	437	13	8	5
REWARI	Bawal	Rasiawas (25)	460	81	541	13	11	2
REWARI	Bawal	Bidawas (56)	507	134	641	13	10	3
REWARI*	Rewari	Gothra Tappa Dahina (11)	657	167	824	13	10	3
ROHTAK	Rohtak	Rurki(54)	1376	306	1682	13	11	2
ROHTAK	Rohtak	Katesra(118)	1936	367	2303	13	11	2
SIRSA	Sirsa	Chukerian (203)	610	309	919	13	9	4
SIRSA	Dabwali	Ratta Khera (247)	533	513	1046	13	7	6
SIRSA	Dabwali	Assir(310)	794	328	1122	13	9	4
SIRSA	Sirsa	Sanghar Sarishta(66)	1130	603	1733	13	8	5
SIRSA	Sirsa	Baragudha(190)	1301	1046	2347	13	7	6
SONIPAT*	Kharkhoda	Bidhlan (6R)	476	167	643	13	10	3
SONIPAT	Sonipat	Chatia Aulia(165)	539	191	730	13	10	3
SONIPAT	Ganaur	Gumar (139)	597	245	842	13	9	4
SONIPAT	Sonipat	Jhundpur (34)	801	521	1322	13	8	5
SONIPAT	Sonipat	Sonipat (M CI) - Ward No.31	1002	641	1643	13	8	5
YAMUNANAGAR	Bilaspur	Hartaui (271)	94	100	194	13	6	7
YAMUNANAGAR	Bilaspur	Suabari (253)	145	60	205	13	9	4
YAMUNANAGAR	Chhachhrauli	Bhilpura (76)	212	142	354	13	8	5
YAMUNANAGAR	Chhachhrauli	Kishanpura (167)	234	186	420	13	7	6
YAMUNANAGAR*	Jagadhri	Sabapur (121)	147	428	575	13	3	10
YAMUNANAGAR	Bilaspur	Jaipur (30)	563	167	730	13	10	3
YAMUNANAGAR	Jagadhri	Jathlana (4)	961	521	1482	13	8	5
		Total	68167	36711	104878	1183	822	361

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 82
Reserved Villages 9
Total Samples

1066
117
1183

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FMD/SEROMON/NIVEDI/ROUND-V/Himachal Pradesh_13/2023
Two Stage Stratified Random Sampling:
 Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 100 + (Cattle + Buffalo) = 7295
 Design Level Prevalence(% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer impovement)= 0.04
 Sensitivity of the test used = 0.9
 Total No of Villages (Clusters) Selected = 82
 Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Bilaspur	Naina Devi	Kangowali (358)	143	25	168	13	11	2
Bilaspur	Bharari	Ladhyani (294)	161	70	231	13	9	4
Bilaspur	Jhanduta	Phupli Jhalwana (55)	259	135	394	13	9	4
Bilaspur	Bharari	Lehri Sarail (272)	579	141	720	13	10	3
Chamba	Pangi	Sural Bhatore (16)	0	175	175	13	0	13
Chamba	Dalhousie	Gumiala (77)	29	229	258	13	1	12
Chamba	Chamba	Suri (236)	2	283	285	13	0	13
Chamba	Chaurah	Saunda (323)	42	405	447	13	1	12
Chamba	Chaurah	Dehgran (317)	109	877	986	13	1	12
Hamirpur	Barsar	Bear Kalan (35/16)	109	5	114	13	12	1
Hamirpur	Tira Sujanpur	Kakkar (63/29)	99	20	119	13	11	2
Hamirpur	Hamirpur	Mohin (47/13)	113	28	141	13	10	3
Hamirpur	Hamirpur	Pandhwin (42/7)	125	24	149	13	11	2
Hamirpur	Nadaun	Manjhiar (18/31)	146	11	157	13	12	1
Hamirpur	Barsar	Bhalt (33/24)	184	18	202	13	12	1
Hamirpur	Hamirpur	Bharin (46/10)	197	8	205	13	12	1
Hamirpur	Nadaun	Bharoli Bhagor (17/40)	122	138	260	13	6	7
Kangra	Jaswan	Mahala (9)	12	92	104	13	2	12
Kangra	Jawali	Checher (237)	16	94	110	13	2	11
Kangra	Jawalumukhi	Bahan Kalan (393)	101	43	144	13	9	4
Kangra	Nurpur	Kutkana (331)	52	102	154	13	4	9
Kangra	Palampur	Banuri Khas (231)	3	153	156	13	0	13
Kangra	Nurpur	Jara (285)	18	149	167	13	1	12
Kangra	Jaswan	Pragpur (12)	56	113	169	13	4	9
Kangra	Dera Gopipur	Bharyara (143)	126	56	182	13	9	4
Kangra	Nurpur	Thapkaur (2)	12	195	207	13	1	12
Kangra	Jawali	Talial (158)	71	146	217	13	4	9
Kangra	Kangra	Lalehr (449)	66	164	230	13	4	9
Kangra	Jawali	Jol (250)	42	191	233	13	2	11
Kangra	Dera Gopipur	Jalakh (514)	17	223	240	13	1	12
Kangra	Dharmsala	Gharholi (513)	49	248	297	13	2	11
Kangra	Baijnath	Dhang (879)	2	374	376	13	0	13
Kangra	Dharmsala	Kutharna (23)	150	340	490	13	4	9
Kangra	Jawali	Bhermar Khas (31)	226	536	762	13	4	9
Kinnaur	Nichar	Panwi Khas (67/1)	0	194	194	13	0	13
Kullu	Kullu	Phallan (30/66)	0	674	674	13	0	13
Kullu	Kullu	Kharal (25/50)	0	3343	3343	13	0	13
Lahul And Spiti	Lahul	Gushal (11/1)	0	145	145	13	0	13
Lahul And Spiti	Spiti	Chicham Khas (56/1)	0	178	178	13	0	13
Mandi	Dhampur	Banwar Kalan (96)	59	63	122	13	6	7
Mandi	Mandi	Lehra (131)	22	116	138	13	2	11
Mandi	Dhampur	Thana (128)	50	108	158	13	4	9
Mandi	Bali Chowki	Lot (668)	0	201	201	13	0	13
Mandi	Karsog	Tikkar (101)	0	222	222	13	0	13
Mandi	Mandi	Namlay (389)	0	259	259	13	0	13
Mandi	Mandi	Pipli (197)	39	223	262	13	2	11
Mandi	Mandi	Rahhoa (212)	1	300	301	13	0	13
Mandi	Mandi	Darlog (402)	2	318	320	13	0	13
Mandi	Mandi	Badoun (509)	134	254	388	13	4	9

Mandi	Sundarnagar	Maloh (102)	192	206	398	13	6	7
Mandi	Chachyot	Tandi (2)	4	541	545	13	0	13
Shimla	Theog	Deothi (14)	0	118	118	13	0	13
Shimla	Theog	Kashna (18)	2	124	126	13	0	13
Shimla	Shimla (Rural)	Kanhechi (130)	1	129	130	13	0	13
Shimla	Cheta	Samvi (146)	0	148	148	13	0	13
Shimla	Rampur	Seri Majhali (156)	0	152	152	13	0	13
Shimla	Rohru	Chhupari (140)	0	179	179	13	0	13
Shimla	Rohru	Banchuna (108)	0	181	181	13	0	13
Shimla	Chaupal	Shantha (44)	0	203	203	13	0	13
Shimla	Shimla (Rural)	Mulbari (57)	4	223	227	13	0	13
Shimla	Nankhari	Jahoo (16/1)	0	238	238	13	0	13
Shimla	Cheta	Up Muhal Bhalwan	0	265	265	13	0	13
Shimla	Theog	Nahol (220)	18	295	313	13	1	12
Sirmaur	Renuka	Baunal (108)	1	241	242	13	0	13
Sirmaur	Ronhat	Ajrouli (175)	1	332	333	13	0	13
Sirmaur	Nohra	Kufar Kaira (29)	6	346	352	13	0	13
Sirmaur	Ronhat	Bonch (178)	6	671	677	13	0	13
Sirmaur	Ronhat	Naina (185)	3	914	917	13	0	13
Solan	Ramshahr	Lohari (83)	62	40	102	13	8	5
Solan	Solan	Runan Ghoron (800)	3	120	123	13	0	13
Solan	Kandaghat	Up Mohal Dharyan (412/2)	0	141	141	13	0	13
Solan	Baddi	Landewal (202)	105	73	178	13	8	5
Solan	Arki	Mahol (145)	17	178	195	13	1	12
Solan	Kandaghat	Satrol (223)	16	182	198	13	1	12
Solan	Solan	Kanah Bajnal (544)	4	204	208	13	0	13
Solan	Darlaghat	Sangoi (47)	18	191	209	13	1	12
Solan	Nalagarh	Palasi Kalan (92)	230	38	268	13	11	2
Solan	Nalagarh	Baglehr (50)	438	100	538	13	11	2
Una	Amb	Saluri (183)	144	74	218	13	9	4
Una	Una	Galua (194)	212	102	314	13	9	4
Una	Amb	Behar Jaswan Kashi (113)	265	153	418	13	8	5
Una	Una	Jarai Mehatpur (230)	260	215	475	13	7	6
		Total	5757	19726	25483	1066	280	787

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

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FMD/SEROMON/NIVEDI/ROUND-V/Jammu And Kashmir_14/2023
Two Stage Stratified Random Sampling:
Species Selected for Stratification = Cattle + Buffalo
Number of Villages Having 100 + (Cattle + Buffalo) = 5013
Design Level Prevalence (% of unprotected) = 0.2
Cluster Level Prevalence (Adjusted for % of titer improvement)= 0.06
Sensitivity of the test used = 0.9
Total No of Villages (Clusters) Selected = 54
Total No of Animals to be Sampled = 702

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Anantnag	Dooru	Now Pora Shah Abad	0	356	356	13	0	13
Anantnag	Pahalgam	KULLAR GUJRAT	81	334	415	13	3	10
Anantnag	Dooru	Nusoo Badra Gund	0	636	636	13	0	13
Anantnag	Dooru	Hir Gawas	116	832	948	13	2	11
Badgam	Charar- E- Shrief	RAHKHAI	0	180	180	13	0	13
Badgam	Khansahib	Fala Chala	0	276	276	13	0	13
Badgam	Budgam	QAZIBAGH	0	285	285	13	0	13
Badgam	Khansahib	Bugru	0	625	625	13	0	13
Badgam	Khag	Sugin Yarinar	0	838	838	13	0	13
Bandipora	Bandipora	Ashtongu	1	444	445	13	0	13
Bandipora	Gurez	Gulshan Pora (Bagtor)	0	892	892	13	0	13
Baramulla	Rafiabad	Fider Pora	0	177	177	13	0	13
Baramulla	Tangmarg	Buna Gam	0	241	241	13	0	13
Baramulla	Pattan	Agar Kallan	0	323	323	13	0	13
Baramulla	Pattan	Usan Khai	0	497	497	13	0	13
Baramulla	Sopore	Gund Brat	0	525	525	13	0	13
Doda	Thathri	Hoja Bola	29	278	307	13	1	12
Doda	Gundana	Dhalkankoot	86	841	927	13	1	12
Ganderbal	Ganderbal	Hakim Gund	0	453	453	13	0	13
Jammu	Jammu Municipal Corporation	Jammu (Corporation) - Ward No.57	19	91	110	13	2	11
Jammu	Jammu	Chak Dai	32	227	259	13	2	11
Jammu	Jammu Municipal Corporation	Jammu (Corporation) - Ward No.50	155	147	302	13	7	6
Jammu	Jammu	Muthi (Og) (Part)	60	258	318	13	2	11
Jammu	Ranbir Singh Pora	Phin Dhar	95	389	484	13	3	10
Jammu	Akhnoor	Kainkh Jagir	298	318	616	13	6	7
Jammu	Jammu	Bain Majialta (Bain Majial)	489	753	1242	13	5	8
Kargil	Sankoo	Parkachik	0	464	464	13	0	13
Kathua	Hiranagar	Bhatiari Brahmana	36	244	280	13	2	11
Kathua	Kathua	Muthi Rakh Walan	287	218	505	13	7	6
Kathua	Kathua	Dilwan(Dilwen)	167	764	931	13	2	11
Kathua	Bani	Sandhi	85	931	1016	13	1	12
Kishtwar	Kishtwar	Lach Dayaram	0	747	747	13	0	13
Kishtwar	Chhatroo	Indarwal	31	2083	2114	13	0	13
Kulgam	Kulgam	Ruzloo	0	336	336	13	0	13
Kulgam	Damhal Hanjipora	Gulzarabad (Dandward)	7	808	815	13	0	13
Kupwara	Kupwara	Chandi Gam	0	350	350	13	0	13
Kupwara	Karnah	Kohnagabra	14	608	622	13	0	13
Leh Ladakh	Leh	Ney	0	388	388	13	0	13
Poonch	Haveli	Chandak	610	312	922	13	9	4
Poonch	Haveli	Bandi Checkiyan	1377	879	2256	13	8	5
Pulwama	Pulwama	Singo Narbal	0	249	249	13	0	13
Pulwama	Pulwama	Qasba Yar	2	729	731	13	0	13
Rajauri	Rajauri	Lur Kot	334	254	588	13	7	6
Rajauri	Budhal	Parori Gujran	872	73	945	13	12	1
Ramban	Ramban	Gundi	280	992	1272	13	3	10
Reasi	Reasi	Kaharwah	135	384	519	13	3	10
Reasi	Gool-Gulabgarh	Chassot	1290	3037	4327	13	4	9
Samba	Samba	Chak Salarian	75	216	291	13	3	10
Samba	Samba	Sahri	95	278	373	13	3	10

Shopian	Shopian	CH CHULAND	0	246	246	13	0	13
Shopian	Keller	K-ZAWOORA	85	2158	2243	13	0	13
Srinagar	Srinagar (South)	Soiteng	0	615	615	13	0	13
Udhampur	Udhampur	Samundarani	194	533	727	13	3	10
Udhampur	Ramnagar	Lodhna	540	568	1108	13	6	7
Total			7977	30680	38657	702	107	595

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 100 + (Cattle + Buffalo) = 13762
 Design Level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.04
 Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+7 Villages Reserved)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Bokaro	Chas	WARD 47 (SECTOR 12 - JHOPRI COLONY AZAD	710	1262	1972	13	5	8
Chatra	Simaria	Simaria Khurd	11	229	240	13	1	12
Chatra	Shaligram Ram Narayanpur(Huntergani)	Barapur	23	412	435	13	1	12
Chatra	Simaria	Jirua Khurd	181	575	756	13	3	10
Chatra	Gidhaur	Pahara	235	1203	1438	13	2	11
Deoghar	Devipur	Goithadih	5	97	102	13	1	12
Deoghar	Devipur	Manusmari	8	238	246	13	0	13
Deoghar	Palojori	Sajor	0	319	319	13	0	13
Deoghar	Palojori	Pharaam	0	415	415	13	0	13
Deoghar	Mohanpur	Chitarponka	112	1002	1114	13	1	12
Deoghar	DEOGHAR	VII Deoghar /01 Deoghar Nagar Nigam 10	250	974	1224	13	3	10
Dhanbad	Nirsa-Cum-Chirkunda	Dambhuni	0	259	259	13	0	13
Dhanbad*	Baghmara-Cum-Katras	Nagri Kalan (Ct)	80	342	422	13	2	11
Dhanbad	Baghmara-Cum-Katras	Chhotanagari	386	702	1088	13	5	8
Dhanbad	Gobindpur	Asana	2	1692	1694	13	0	13
Dumka	Saraiyahat	Binuda	0	125	125	13	0	13
Dumka	Dumka	Khapro	3	250	253	13	0	13
Dumka	Dumka	Dumka (M) - Ward No.1	24	250	274	13	1	12
Dumka	Ramgarh	Chitbesra	16	310	326	13	1	12
Dumka	Masalia	Manraydih	2	528	530	13	0	13
Dumka	Jarmundi	Nonihat	32	697	729	13	1	12
Dumka	Basukinath	Basukinath (NA) - Ward No.3	45	701	746	13	1	12
East Singhbhum	Ghatshila	Baliyam	14	120	134	13	1	12
East Singhbhum	Gurbandha	Nekradangri	4	158	162	13	0	13
East Singhbhum*	Dumaria	Damdi	4	254	258	13	0	13
East Singhbhum	Potka	Swanadhi	199	184	383	13	7	6
East Singhbhum	Ghatshila	Kalchiti	16	409	425	13	0	13
East Singhbhum	Patamda	Gengara	59	410	469	13	2	11
East Singhbhum	Patamda	Uriya	7	1275	1282	13	0	13
Garhwa	Dhurki	Kodwa	48	660	708	13	1	12
Garhwa	Sagma	Sagma	159	3224	3383	13	1	12
Giridih	Dhanwar	Dhanaipur	45	99	144	13	4	9
Giridih	Pirtanr	Kasakend	0	297	297	13	0	13
Giridih	Dhanwar	Jahanadih	0	346	346	13	0	13
Giridih	Dhanwar	Jolhabad	2	417	419	13	0	13
Giridih*	Dhanwar	Mangaso	36	789	825	13	1	12
Giridih	Bagodar	Bagodar	341	860	1201	13	4	9
Giridih	Jamua	Jaridi	815	1931	2746	13	4	9
Godda	Poreyahat	Dipna Dhibridah	0	266	266	13	0	13
Godda	Godda	Raj Daha	18	335	353	13	1	12
Godda	Godda	Kurman Ghat	244	165	409	13	8	5
Godda	Sundarpahari	Bhaluka	678	381	1059	13	8	5
Godda	Poreyahat	Birniyan	254	1472	1726	13	2	11
Gumla	Raidih	Tulmunga	109	722	831	13	2	11
Gumla	Raidih	Silam	197	1858	2055	13	1	12
Hazaribagh	Hazaribag	Guruwa	33	213	246	13	2	11
Hazaribagh	Barhi	Bariatha	75	359	434	13	2	11
Hazaribagh	Barhi	Dhobiapahri	468	678	1146	13	5	8
Hazaribagh	Barkatha	Jhurjhuri	356	1645	2001	13	2	11

Jamtara	Fatehpur	Simaladangal	68	446	514	13	2	11
Jamtara	Jamtara	Ladhna	4	927	931	13	0	13
Khunti	Murhu	Gaigai	87	366	453	13	2	11
Khunti	Murhu	Gomharia	121	447	568	13	3	10
Koderma	Chandwara	Gajure	11	265	276	13	1	12
Koderma*	Koderma	Lariyadih	0	655	655	13	0	13
Latehar	Balumath	Olhepat	121	375	496	13	3	10
Latehar	Latehar	Parsahi	52	614	666	13	1	12
Lohardaga	Kuru	Dhawra	41	304	345	13	2	11
Pakur	Maheshpur	Sirajpur	44	190	234	13	2	11
Pakur	Pakaur	Sahapur	84	293	377	13	3	10
Pakur	Anrapara	Dumarchir	68	2015	2083	13	0	13
Pakur	Maheshpur	Chhota Bharatpur	688	1584	2272	13	4	9
Palamu*	Pipra	Chaparbar	28	258	286	13	1	12
Palamu	Panki	Porsam	74	259	333	13	3	10
Palamu	Mohammad Ganj	Gajibehra	107	303	410	13	3	10
Palamu	Hussainabad	Kachra	335	596	931	13	5	8
Palamu	Medininagar(Daltonganj)	Chianki	172	1352	1524	13	1	12
Ramgarh	Gola	Gandhaunia	0	438	438	13	0	13
Ramgarh	Ramgarh	Barlong	313	564	877	13	5	8
Ranchi	Namkum	Upardahu	0	248	248	13	0	13
Ranchi	Nagri	Gutuwa	4	453	457	13	0	13
Ranchi	Chanho	Chaliyo	166	659	825	13	3	10
Ranchi	Ranchi	Ranchi (M Corp.) - Ward No.53	108	866	974	13	1	12
Sahebganj	Udhuwa	Bhawra Bandh	11	213	224	13	1	12
Sahebganj	Barharwa	Bindupara	46	329	375	13	2	11
Sahebganj	Rajmahal	Sekha Chak	11	506	517	13	0	13
Sahebganj	Rajmahal	Kozigaon	236	734	970	13	3	10
Saraikela Kharsawan*	Kharsawan	Telisai	2	173	175	13	0	13
Saraikela Kharsawan	Ichagarh	Jiling Adar	59	234	293	13	3	10
Saraikela Kharsawan	Gobindpur(Rajnagar)	Gengeruri	151	382	533	13	4	9
Saraikela Kharsawan	Kuchai	Doro	12	883	895	13	0	13
Simdega	Kersai	Karamtoli Alias Mahuatoli	27	653	680	13	1	12
Simdega	Kolebira	Lachragarh	317	2490	2807	13	1	12
West Singhbhum	Chaibasa	Chaibasa (M) - Ward No.5	78	86	164	13	6	7
West Singhbhum	Manoharpur	Holongui	4	187	191	13	0	13
West Singhbhum*	Noamundi	Raika	20	315	335	13	1	12
West Singhbhum	Jagannathpur	Masabila	0	378	378	13	0	13
West Singhbhum	Gudri	Berau Ruring	11	398	409	13	0	13
West Singhbhum	Khuntapani	Pasuhatu	142	795	937	13	2	11
		Total	10129	55342	65471	1157	155	1002

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 82
Reserved Villages 7
Total Samples

1866
91
1157

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 16893

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement)= 0.03

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 110(+5 Villages Reserved)

Total No of Animals to be Sampled = 1430

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Bagalkot	Mudhol	Badnur	205	356	561	13	5	8
Bagalkot	Rabkavi-Banhatti	Rabkavi-Banhatti (CMC) - Ward No.28	536	383	919	13	8	5
Bagalkot	Jamkhandi	Savalagi	2495	1824	4319	13	8	5
Bangalore Rural	Hosakote	Doddakoliga	53	116	169	13	4	9
Bangalore Rural	Dod Ballapur	Shravanur	1	178	179	13	0	13
Bangalore Rural	Dod Ballapur	Gulyanandigunda	24	225	249	13	1	12
Bangalore Rural	Devanahalli	SIKAYANAHALLI	16	263	279	13	1	12
Belgaum*	Harugeri	Harugeri-Ward No.17	114	65	179	13	8	5
Belgaum	Gokak	Mallapur. S.A.	316	84	400	13	10	3
Belgaum	Gokak	Lolasur	428	206	634	13	9	4
Belgaum	Belagavi	Peeranwadi (OG) - Ward No.64	533	148	681	13	10	3
Belgaum	Harugeri	Harugeri-Ward No.18	605	229	834	13	9	4
Belgaum	Gokak	Honakuppi	671	555	1226	13	7	6
Belgaum	Chikodi	Mamadapur (KK)	1065	568	1633	13	8	5
Belgaum	Athni	Athani (Rural) (Part)	5342	2996	8338	13	8	5
Bellary	Kudligi	LINGANAHALLI THANDA	0	233	233	13	0	13
Bellary	Sandur	Vittalapur	89	427	516	13	2	11
Bellary	Hadagalli	CHIKKA KOLACHI	133	509	642	13	3	10
Bellary*	Siruguppa	Uppara Hosahalli	275	374	649	13	6	7
Bengaluru Urban	Bangalore South	Bangalore (M Corp.) - Ward No.189	3	171	174	13	0	13
Bengaluru Urban	Bangalore East	Khaji Sonnenahalli	21	235	256	13	1	12
Bengaluru Urban	Bangalore North	Kittana Halli	2	386	388	13	0	13
Bengaluru Urban	Bangalore South	Bangalore (M Corp.) - Ward No.130	43	605	648	13	1	12
Bidar	Aurad	Wannarpalli	285	245	530	13	7	6
Bidar	Bhalki	Malchapur	347	263	610	13	7	6
Bijapur	Indi	Shirkanahalli	289	198	487	13	8	5
Bijapur	Indi	Loni [B.K.]	2091	1600	3691	13	7	6
Chamarajanagar	Kollegal	PAASKAL NAGARA	0	189	189	13	0	13
Chamarajanagar	Kollegal	K.GUNDAAPURA	12	296	308	13	1	12
Chamarajanagar	Chamarajanagar	Channappanapura	2	578	580	13	0	13
Chamarajanagar	Gundlupet	UPAKARA COLONY	0	628	628	13	0	13
Chikballapur	Chikballapura	Kolimenahalli	15	98	113	13	2	11
Chikballapur	Chintamani	Marinaikanahalli	22	126	148	13	2	11
Chikballapur*	Bagepalli	Saddupalli	3	194	197	13	0	13
Chikballapur	Chintamani	Yesagalhalli	5	211	216	13	0	13
Chikballapur	Bagepalli	Chakkampalli	24	243	267	13	1	12
Chikballapur	Gauribidanur	Jeelakunte	11	312	323	13	0	13
Chikmagalur	Chikmagalur	Byaravalli	16	276	292	13	1	12
Chikmagalur	Narasimharajapura	Shiragalale	0	517	517	13	0	13
Chikmagalur	Mudigere	Coove	18	730	748	13	0	13
Chikmagalur	Koppa	Chavalamane	294	1077	1371	13	3	10
Chitradurga	Hiriyur	Sheshappanahalli	103	120	223	13	6	7
Chitradurga	Chitradurga	Yemmehatti	130	354	484	13	3	10
Chitradurga	Holalkere	Kengunte	369	231	600	13	8	5
Chitradurga	Chitradurga	Nallikatte	393	448	841	13	6	7
Dakshin Kannad	Bantval	Naringana	0	570	570	13	0	13
Dakshin Kannad	Bantval	Phajeer	14	855	869	13	0	13
Davangere	Harihar	Mittlakatte	104	479	583	13	2	11
Davangere	Harapanahalli	Mydur	449	1581	2030	13	3	10

Dharwad	Navalgund	Tadahal	128	483	611	13	3	10
Dharwad	Hubballi-Dharwad	Hubli-Dharwad (M Corp.) - Ward No.3	363	520	883	13	5	8
Gadag	Shirhatti	Kusalapur	123	300	423	13	4	9
Gadag	Nargund	Chikkanargund	548	726	1274	13	6	7
Gulbarga	Afzalpur	Chinmgera	39	232	271	13	2	11
Gulbarga	Chincholi	Ranapur	30	440	470	13	1	12
Gulbarga	Jevargi	Hangerga (B)	13	598	611	13	0	13
Gulbarga	Chincholi	Keroli	34	669	703	13	1	12
Hassan	Alur	Pattana	0	153	153	13	0	13
Hassan	Arsikere	Jajuru	2	237	239	13	0	13
Hassan	Arsikere	Kallu Sadarahalli	24	249	273	13	1	12
Hassan	Sakleshpur	Kyamanahalli	65	343	408	13	2	11
Hassan	Channarayapatna	Doddaganni	129	347	476	13	4	9
Hassan	Belur	Yalahanka	4	493	497	13	0	13
Hassan	Hassan	Kuduragundi	14	614	628	13	0	13
Haveri*	Savanur	Hiremaralihalli	101	423	524	13	3	10
Haveri	Haveri	Hirelingadahalli	137	637	774	13	2	11
Kodagu	Madikeri	Makkandur	4	267	271	13	0	13
Kodagu	Virajpet	Arji	31	314	345	13	1	12
Kolar	Robertson Pet	Robertson Pet (CMC) - Ward No.21	0	108	108	13	0	13
Kolar	Kolar	Kolar (CMC) - Ward No.6	7	146	153	13	1	12
Kolar	Kolar	Chikkaiyyur	44	132	176	13	3	10
Kolar	Malur	Appaiana Agrahara	0	219	219	13	0	13
Kolar	Mulbagal	Kuthandahalli	24	208	232	13	1	12
Kolar	Mulbagal	Padmaghatta	7	226	233	13	0	13
Koppal	Gangawati	Gangawati (CMC) - Ward No.3	208	260	468	13	6	7
Koppal	Kushtagi	Kalalbandi	70	668	738	13	1	12
Mandya	Nagamangala	Kavadihalli	31	172	203	13	2	11
Mandya	Malavalli	Juganahalli	6	314	320	13	0	13
Mandya	Krishnarajpet	Hangaramuddanahalli	115	210	325	13	5	8
Mandya	Malavalli	Mallikayathanahalli	5	599	604	13	0	13
Mandya	Maddur	Thore Setihalli	107	499	606	13	2	11
Mysore	Krishnarajanagara	Sreerampur	5	255	260	13	0	13
Mysore	Krishnarajanagara	Adaganahalli	17	447	464	13	0	13
Mysore	Nanjangud	Thayuru	53	411	464	13	1	12
Mysore	Heggadadevankote	Chakkur	0	903	903	13	0	13
Mysore	Piriyapatna	Kothavalli	357	781	1138	13	4	9
Raichur	Lingsugur	Margatnal	29	196	225	13	2	11
Raichur	Sindhur	Hosshalli (K)	242	151	393	13	8	5
Raichur	Lingsugur	Machanur	74	516	590	13	2	11
Raichur	Sindhur	Butaldinni	1437	390	1827	13	10	3
Ramanagara	Kanakapura	Aratabele	5	405	410	13	0	13
Ramanagara	Kanakapura	Gottigehalli	5	514	519	13	0	13
Shimoga	Sagar	Sunkadevarakoppa	70	125	195	13	5	8
Shimoga	Bhadravati	Hanchinasiddapura	65	266	331	13	3	10
Shimoga	Sorab	HULTHIKOPPA	182	264	446	13	5	8
Shimoga	Shimoga	Ittige Halli	3	554	557	13	0	13
Shimoga	Tirthahalli	Yamaravalli	84	499	583	13	2	11
Shimoga	Tirthahalli	Jambetalluru	105	880	985	13	1	12
Tumkur	Chiknayakanhalli	Madanamadu	2	127	129	13	0	13
Tumkur	Turuvekere	HIREDONKEYHALLI	61	109	170	13	5	8
Tumkur	Tiptur	Tiptur (TMC) - Ward No.30	62	171	233	13	3	10
Tumkur*	Madhugiri	Katagondanahalli	25	233	258	13	1	12
Tumkur	Pavagada	Pothaganahalli	230	114	344	13	9	4
Tumkur	Kunigal	Huthri	200	488	688	13	4	9
Tumkur	Kunigal	Taredakuppe	176	689	865	13	3	10

Udupi	Udupi	Pilar	0	1027	1027	13	0	13
Udupi	Kundapura	Gulvadi	13	1398	1411	13	0	13
Uttar Kannad	Yellapur	Harigadde	13	110	123	13	1	12
Uttar Kannad	Supa	Bidoli	4	245	249	13	0	13
Uttar Kannad	Honavar	Nagre	17	371	388	13	1	12
Uttar Kannad	Haliyal	Rayapattan	125	263	388	13	4	9
Uttar Kannad	Haliyal	Khamdolli	74	358	432	13	2	11
Uttar Kannad	Yellapur	Aalwad	76	398	474	13	2	11
Yadgir	Shorapur	Bailkunti	92	481	573	13	2	11
Yadgir	Yadgir	Chamenhalli	219	933	1152	13	2	11
Total			24501	50433	74934	1495	314	1181

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 110
Reserved Villages 5
Total Samples

1430
65
1495

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 100 + (Cattle + Buffalo) = 4370
 Design Level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.04
 Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+5 Villages Reserved)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units	Buffalo Proportion (h)	Cattle Proportion (i)
Alappuzha	Cherthala	Pattanakad(GP)OC6WardNo.11	2	118	120	13	0	13
Alappuzha	Cherthala	Panavally(GP)OC6WardNo.9	0	145	145	13	0	13
Alappuzha	Cherthala	Panavally(GP)OC6WardNo.15	7	140	147	13	1	12
Alappuzha	Mavelikkara	Vallikunnam(GP)OC6WardNo.17	14	151	165	13	1	12
Alappuzha	Mavelikkara	Vallikunnam(GP)OC6WardNo.11	14	178	192	13	1	12
Ernakulam	Aluva	Nedumbassery(GP)OC6WardNo.19	6	96	102	13	1	12
Ernakulam	Kothamangalam	Pallarimangalam(GP)OC6WardNo.3	25	107	132	13	2	11
Ernakulam	Kanayannur	Chottanikkara(GP)OC6WardNo.6	4	133	137	13	0	13
Ernakulam	Kunnathunad	Koovappady(GP)OC6WardNo.14	1	149	150	13	0	13
Ernakulam	Kothamangalam	Nellikuzhi(GP)OC6WardNo.1	9	145	154	13	1	12
Ernakulam	Kunnathunad	Rayamangalam(GP)OC6WardNo.11	3	177	180	13	0	13
Ernakulam	Muvattupuzha	Maneed(GP)OC6WardNo.10	3	229	232	13	0	13
Ernakulam*	Kothamangalam	Kuttampuzha(GP)OC6WardNo.10	17	225	242	13	1	12
Idukki	Thodupuzha	Muttam(GP)OC6WardNo.9	18	130	148	13	2	11
Idukki	Udumbanchola	Erattayar(GP)OC6WardNo.8	19	198	217	13	1	12
Idukki	Thodupuzha	Karimannur(GP)OC6WardNo.4	7	249	256	13	0	13
Idukki	Idukki	Vazhathope(GP)OC6WardNo.2	9	268	277	13	0	13
Kannur	Taliparamba	Kurumathur(GP)OC6WardNo.16	2	108	110	13	0	13
Kannur	Taliparamba	Chapparapadavu(GP)OC6WardNo.11	2	122	124	13	0	13
Kannur	Iritty	Aralam(GP)OC6WardNo.11	12	138	150	13	1	12
Kannur	Kannur	Cheruthazham1(GP)OC6WardNo.2	1	169	170	13	0	13
Kannur	Payyannur	PARAVANTHATTA	9	212	221	13	1	12
Kannur	Iritty	Kelakam(GP)OC6WardNo.10	2	219	221	13	0	13
Kannur	Taliparamba	Udayagiri(GP)OC6WardNo.3	1	236	237	13	0	13
Kasaragod	Hosdurg	Pilicode(GP)OC6WardNo.7	6	119	125	13	1	12
Kasaragod	Vellarikkundu	Panathadi(GP)OC6WardNo.1	0	161	161	13	0	13
Kasaragod	Vellarikkundu	EastEleri(GP)OC6WardNo.9	4	237	241	13	0	13
Kasaragod	Vellarikkundu	WestEleri(GP)OC6WardNo.10	0	246	246	13	0	13
Kollam	Karunagappally	Kulasekharapuram(GP)OC6WardNo.13	11	98	109	13	1	12
Kollam	Karunagappally	Oachira(GP)OC6WardNo.14	22	105	127	13	2	11
Kollam	Kottarakkara	Pavithreswaram(GP)OC6WardNo.7	5	133	138	13	0	13
Kollam	Punalur	Eroor(GP)OC6WardNo.6	10	144	154	13	1	12
Kollam*	Karunagappally	Chavara(GP)OC6WardNo.3	39	127	166	13	3	10
Kollam	Punalur	Kulathupuzha(GP)OC6WardNo.12	8	172	180	13	1	12
Kollam	Kunnathur	SooranadSouth(GP)OC6WardNo.13	7	182	189	13	0	13
Kottayam	Kanjirappally	Koruthode(GP)OC6WardNo.3	0	106	106	13	0	13
Kottayam	Kottayam	Akalakunnamm(GP)OC6WardNo.1	2	115	117	13	0	13
Kottayam	Kottayam	Ayarkunnam(GP)OC6WardNo.13	14	111	125	13	1	12
Kottayam	Vaikom	Njezhoor(GP)OC6WardNo.9	11	119	130	13	1	12
Kottayam	Meenachil	Kuravilanagad(GP)OC6WardNo.1	8	156	164	13	1	12
Kottayam	Meenachil	Teekoy(GP)OC6WardNo.7	1	315	316	13	0	13
Kozhikode	Koyilandi	Balusseri(GP)OC6WardNo.3	7	98	105	13	1	12
Kozhikode	Vatakara	Kayakkodi(GP)OC6WardNo.2	1	112	113	13	0	13
Kozhikode	Vatakara	Thiruvallur(GP)OC6WardNo.7	0	134	134	13	0	13
Kozhikode	Koyilandi	Kottoor(GP)OC6WardNo.10	5	147	152	13	0	13
Kozhikode	Kozhikode	Chathamangalam(GP)OC6WardNo.13	0	181	181	13	0	13
Kozhikode	Thamarassery	Thiruvambadi(GP)OC6WardNo.7	3	185	188	13	0	13
Kozhikode	Thamarassery	Thiruvambadi(GP)OC6WardNo.1	9	268	277	13	0	13
Malappuram	Nilambur	Edakkara(GP)OC6WardNo.6	6	102	108	13	1	12

Malappuram	Ponnani	Alancode(GP)ÓÇöWardNo.7	20	96	116	13	2	11
Malappuram	Nilambur	Moothedam(GP)ÓÇöWardNo.9	9	109	118	13	1	12
Malappuram	Perinthalmanna	Edappetta(GP)ÓÇöWardNo.8	38	92	130	13	4	9
Malappuram	Tirur	Marakkara(GP)ÓÇöWardNo.10	11	134	145	13	1	12
Malappuram*	Nilambur	Wandoor(GP)ÓÇöWardNo.21	2	147	149	13	0	13
Malappuram	Nilambur	Chaliyar(GP)ÓÇöWardNo.9	4	153	157	13	0	13
Malappuram	Ernad	Urangattiri(GP)ÓÇöWardNo.21	11	172	183	13	1	12
Malappuram	Nilambur	Pothukallu(GP)ÓÇöWardNo.15	20	181	201	13	1	12
Malappuram	Perinthalmanna	Pulamanthole(GP)ÓÇöWardNo.2	6	219	225	13	0	13
Palakkad	Alathur	Kavasseri(GP)ÓÇöWardNo.16	7	101	108	13	1	12
Palakkad	Alathur	Kizhakkengeri(GP)ÓÇöWardNo.22	4	119	123	13	0	13
Palakkad	Ottappalam	Vellinezhi(GP)ÓÇöWardNo.13	8	145	153	13	1	12
Palakkad	Ottappalam	Kadampazhipuram(GP)ÓÇöWardNo.16	1	183	184	13	0	13
Palakkad	Chittur	Muthalamada(GP)ÓÇöWardNo.8	0	221	221	13	0	13
Palakkad	Chittur	Muthalamada(GP)ÓÇöWardNo.3	22	277	299	13	1	12
Palakkad	Alathur	Kizhakkengeri(GP)ÓÇöWardNo.10	8	420	428	13	0	13
Palakkad	Chittur	Eruthempathy(GP)ÓÇöWardNo.3	0	943	943	13	0	13
Pathanamthitta	Adoor	Pallickal(GP)ÓÇöWardNo.17	7	108	115	13	1	12
Pathanamthitta	Ranni	Naranamoozhi(GP)ÓÇöWardNo.3	0	143	143	13	0	13
Pathanamthitta	Pandalam	Athiramala East	0	213	213	13	0	13
Pathanamthitta*	Ranni	Ranni-Perunad(GP)ÓÇöWardNo.3	32	187	219	13	2	11
Thiruvananthapuram	Neyyattinkara	Karode(GP)ÓÇöWardNo.9	2	109	111	13	0	13
Thiruvananthapuram	Kattakkada	Vellanad(GP)ÓÇöWardNo.15	3	113	116	13	0	13
Thiruvananthapuram	Neyyattinkara	Balarampuram(GP)ÓÇöWardNo.19	0	140	140	13	0	13
Thiruvananthapuram	Nedumangad	Pangode(GP)ÓÇöWardNo.6	4	148	152	13	0	13
Thiruvananthapuram	Neyyattinkara	Poovar(GP)ÓÇöWardNo.4	12	161	173	13	1	12
Thiruvananthapuram	Neyyattinkara	Kunnathukal(GP)ÓÇöWardNo.19	3	194	197	13	0	13
Thiruvananthapuram	Neyyattinkara	Vellarada(GP)ÓÇöWardNo.4	17	188	205	13	1	12
Thirissur	Chavakkad	Vatanappally(GP)ÓÇöWardNo.1	18	91	109	13	2	11
Thirissur	Chalakkudy	Melur(GP)ÓÇöWardNo.8	11	106	117	13	1	12
Thirissur	Kodungallur	Edathiruthy(GP)ÓÇöWardNo.16	48	88	136	13	5	8
Thirissur*	Talappilly	Pazhayannur(GP)ÓÇöWardNo.6	0	146	146	13	0	13
Thirissur	Thirissur	Puthur(GP)ÓÇöWardNo.8	23	129	152	13	2	11
Thirissur	Chavakkad	Mullassery(GP)ÓÇöWardNo.6	12	161	173	13	1	12
Thirissur	Thirissur	EDAKUNNI	8	182	190	13	1	12
Thirissur	Mukundapuram	Trikkur(GP)ÓÇöWardNo.14	10	320	330	13	0	13
Wayanad	Mananthavady	Panamaram(GP)ÓÇöWardNo.8	35	239	274	13	2	11
Wayanad	Sulthanbathery	Mullankolly(GP)ÓÇöWardNo.10	3	369	372	13	0	13
		Total	785	15162	15947	1131	59	1072

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 82
Reserved Villages 5
Total Samples

1066
65
1131

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 100 + (Cattle + Buffalo) = 100
 Design Level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.06
 Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 54(+1 Villages Reserved)

Total No of Animals to be Sampled = 702

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Kargil	Shanker Chiktan	Tacha	0	134	134	13	0	13
Kargil	Sankoo	Chosker Suru	0	143	143	13	0	13
Kargil	Sankoo	Achambur	0	169	169	13	0	13
Kargil	Shanker Chiktan	Karit	0	169	169	13	0	13
Kargil	Kargil	Tumail	0	181	181	13	0	13
Kargil	Kargil	Jusgund	0	188	188	13	0	13
Kargil	Sankoo	Umba	0	229	229	13	0	13
Kargil	DRASS	Mushku	0	253	253	13	0	13
Kargil	DRASS	Gindial	0	257	257	13	0	13
Kargil	Kargil	KARKIT CHOO	0	260	260	13	0	13
Kargil	Zanskar	Ruru Moony	0	271	271	13	0	13
Kargil	DRASS	Murad Bagh	0	288	288	13	0	13
Kargil	Kargil	Shilikchey	0	302	302	13	0	13
Kargil	Kargil	Staktse	0	310	310	13	0	13
Kargil	DRASS	Holiyal	0	326	326	13	0	13
Kargil	Kargil	Chuliskambo	0	385	385	13	0	13
Kargil	Zanskar	Techa Khasar	0	410	410	13	0	13
Kargil	Kargil	Akchamal	0	427	427	13	0	13
Kargil	Kargil	Kaksar	0	432	432	13	0	13
Kargil	DRASS	Bhimbat	0	499	499	13	0	13
Kargil	Kargil	Yourbaltak	0	510	510	13	0	13
Kargil	Sankoo	Khandi	0	543	543	13	0	13
Kargil	Kargil	Wakha	0	577	577	13	0	13
Kargil	Zanskar	Salapi Ruruk	0	612	612	13	0	13
Kargil	Kargil	Minji	0	633	633	13	0	13
Kargil	Kargil	Choskore	0	713	713	13	0	13
Kargil	Zanskar	Zangla	0	2037	2037	13	0	13
Leh	Leh	Shang	0	116	116	13	0	13
Leh	Nubra	Hundar Dok	0	140	140	13	0	13
Leh	Leh	Matselang	0	148	148	13	0	13
Leh	Leh	Sharnose	0	149	149	13	0	13
Leh	Khalsi	Lamayouro	0	158	158	13	0	13
Leh	Leh	Leh (NAC) - Ward No.4	0	159	159	13	0	13
Leh	Leh	Phuktse	0	167	167	13	0	13
Leh	Leh	Shara	0	186	186	13	0	13
Leh	Leh	Skiumarkha	0	211	211	13	0	13
Leh*	Leh	Leh (NAC) - Ward No.2	0	213	213	13	0	13
Leh	Leh	Chumathang	0	221	221	13	0	13
Leh	Leh	Leh (NAC) - Ward No.5	0	235	235	13	0	13
Leh	Nubra	Partap Pore	0	239	239	13	0	13
Leh	Nubra	Taksi	0	261	261	13	0	13
Leh	Nubra	Hundri	0	288	288	13	0	13
Leh	Leh	Tagste	0	332	332	13	0	13
Leh	Nubra	Lakjung	0	335	335	13	0	13
Leh	Leh	Nyoma	0	337	337	13	0	13
Leh	Leh	Ney	0	388	388	13	0	13
Leh	Nubra	Sumoor	0	449	449	13	0	13
Leh	Khalsi	Hanoo	0	466	466	13	0	13
Leh	Leh	Leh (NAC) - Ward No.1	0	478	478	13	0	13

Leh	Khalsi	Tia	0	493	493	13	0	13
Leh	Leh	Chuchat Yakma	0	519	519	13	0	13
Leh	Leh	Stok	0	540	540	13	0	13
Leh	Leh	Saboo	0	562	562	13	0	13
Leh	Nubra	Kubed	0	881	881	13	0	13
Leh	Nubra	Diskit	0	1007	1007	13	0	13
Total			0	20936	20936	715	0	715

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 54
Reserved Villages 1
Total Samples

702
13
715

FMD/SEROMON/NIVEDI/ROUND-V/Madhya Pradesh_19/2023**Stratified Random Sampling:**

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 30134

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.04

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+15 Villages Reserved)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
ALIRAJPUR	Alirajpur	Saija	162	612	774	13	3	10
ALIRAJPUR	Alirajpur	Khar Kuwa	184	1063	1247	13	2	11
ANUPPUR	Pushparajgarh	Rakhital	17	540	557	13	0	13
ASHOKNAGAR	piprai	Khiriya Sehrai	155	235	390	13	5	8
ASHOKNAGAR	Isagarh	Janghar	94	621	715	13	2	11
BALAGHAT	Paraswada	Fandki	168	446	614	13	4	9
BALAGHAT*	Baihar	Kandla	104	702	806	13	2	11
BARWANI	Pati	Panchgaon	47	547	594	13	1	12
BARWANI	Anjad	Chhota Barda	731	728	1459	13	7	6
BETUL	Shahpur	Pandajhiri	44	389	433	13	1	12
BETUL*	Multai	Jamthi Sawasan	393	788	1181	13	4	9
BHIND	Lahar	Adotpara	376	111	487	13	10	3
BHIND	Ater	Jamsara	730	153	883	13	11	2
BHOPAL	Berasia	Karhaiya Shah	276	330	606	13	6	7
BURHANPUR*	Burhanpur	Chinchala	349	239	588	13	8	5
CHHATARPUR	Rajnagar	Pahadi Bawan	150	281	431	13	5	8
CHHATARPUR	Bijawar	Maukhera	779	616	1395	13	7	6
CHHINDWARA	Parasia	Jamunia Pathar	28	303	331	13	1	12
CHHINDWARA	Pandhurna	Mundi Dhana Ryt.	120	367	487	13	3	10
CHHINDWARA*	Chaurai	Jamtra	103	506	609	13	2	11
CHHINDWARA	Mohkhed	Mohkheda	97	926	1023	13	1	12
DAMOH	Patera	Tirgarh	172	433	605	13	4	9
DAMOH	Tendukheda	Khamariya Shivilal	122	811	933	13	2	11
DATIA*	Bhander	Khiriya Fajulla	388	78	466	13	11	2
DATIA	Bhander	Pura Bilheti	330	413	743	13	6	7
DEWAS	Khategaon	Lawras	252	207	459	13	7	6
DEWAS	Udainagar	Sovalyapura	301	724	1025	13	4	9
DHAR*	Kukshi	Bagoli	150	479	629	13	3	10
DHAR	Sardarpur	Kothoda Kalan	98	890	988	13	1	12
DINDORI	Shahpura	Bisbani Ryt.	48	427	475	13	1	12
DINDORI	Dindori	Lutgaon Mal.	71	718	789	13	1	12
EAST NIMAR*	Khandwa	Kaweshwar	64	644	708	13	1	12
EAST NIMAR	Khalwa	Dabhiya	301	809	1110	13	4	9
GUNA	Guna	Kalcheri	51	445	496	13	1	12
GUNA	Raghogarh-Vijaypur	Raghogarh-Vijaypur (M) - Ward No.13	578	348	926	13	8	5
GWALIOR*	Chinour	Nonki Saray	408	44	452	13	12	1
GWALIOR	Gurd	Prayagpura	470	810	1280	13	5	8
HARDA	Harda	Kanarda	220	331	551	13	5	8
HOSHANGABAD	Bankhedi	Tantra	180	208	388	13	6	7
HOSHANGABAD	Dolariya	Dhaba Kalan	123	548	671	13	2	11
INDORE*	Sawer	Rampipalya	416	222	638	13	8	5
INDORE	Indore	Sukhniwas	429	917	1346	13	4	9
JABALPUR	Jabalpur	Mukanwara	66	257	323	13	3	10
JABALPUR	Jabalpur	Naya ward-ward no 76	6374	1379	7753	13	11	2
JHABUA	Petlawad	Juwanpura	149	515	664	13	3	10
JHABUA	Thandla	Timarwani	179	884	1063	13	2	11
KATNI	Dhimarkheda	Itauli	117	301	418	13	4	9
KHARGONE*	Kasrawad	Raypura	455	406	861	13	7	6
KHARGONE	Bhikangaon	Nuriya Khedi	216	841	1057	13	3	10

MANDLA	Narayanganj	Kodara	82	462	544	13	2	11
MANDLA	Ghughari	Chabi	160	943	1103	13	2	11
Mandsaur	Malhargarh	Aranya (Deodungri)	235	334	569	13	5	8
Mandsaur*	mandsaur	Digaomali	582	319	901	13	8	5
MORENA	Joura	Itawali	555	113	668	13	11	2
MORENA	Joura	Singhroli	3586	322	3908	13	12	1
NARSINGHPUR	Kareli	Gidhwani	47	264	311	13	2	11
NARSINGHPUR	Narsimhapur	Patha Pipariya	137	625	762	13	2	11
NEEMUCH	Jawad	Kheda Rathor	364	215	579	13	8	5
NEEMUCH*	Jawad	Hanmantiya	596	490	1086	13	7	6
PANNA	Gunnor	Ghatsimariya	191	442	633	13	4	9
PANNA	Shahnagar	Rampur(Khajuri)	66	690	756	13	1	12
RAISEN	Badi	Khamraiya Sohanpur	40	335	375	13	1	12
RAISEN	Goharganj	Chiklod Kalan	170	1080	1250	13	2	11
RAJGARH	Khilchipur	Jatamadi	381	17	398	13	12	1
RAJGARH	Narsinghgarh	Tindonia	1164	873	2037	13	7	6
RATLAM	Tal	Abupura	270	74	344	13	10	3
RATLAM	Bajna	Ratangarh Pith	89	506	595	13	2	11
REWA*	Sirmour	Akouri U Kothar [2]	86	100	186	13	6	7
REWA	Rewa	Rewa (M Corp.) - Ward No.5	73	424	497	13	2	11
REWA	Hanumana	Gedurhat	214	603	817	13	3	10
REWA	Jawa	Chhadahana	488	645	1133	13	6	7
SAGAR	Khurai	Jarwans	71	380	451	13	2	11
SAGAR	Sagar	Sahajpuri Buzurg	132	520	652	13	3	10
SATNA	Unchahara	Kulhariya Khurd	273	221	494	13	7	6
SATNA	Satna	Satna (M Corp.) - Ward No.4	252	901	1153	13	3	10
SEHORE	Ashta	Paladiya	133	322	455	13	4	9
SEHORE*	Jawar	Barchhapura	690	778	1468	13	6	7
SEONI	Ghansaur	Gadadhoor Ryt.	76	263	339	13	3	10
SEONI	Chhapara	Dungariya Chhapara (CT)	153	678	831	13	2	11
SHAHNOL	Beohari	Sukhad	107	524	631	13	2	11
SHAHNOL	Jaisinghnagar	Masira	83	986	1069	13	1	12
SHAJAPUR	Gulana	Badigaon	417	377	794	13	7	6
SHAJAPUR	Avantipur Badodiya	Hannu Khedi	598	330	928	13	8	5
SHEOPUR	Vijaypur	Enta	124	625	749	13	2	11
SHIVPURI	Bairad	Ankursi	233	299	532	13	6	7
SHIVPURI	Pichhore	Bhagwan	404	473	877	13	6	7
SIDHI	Kusmi	Gaiwata	67	613	680	13	1	12
SIDHI	Majhauri	Danga	129	1755	1884	13	1	12
SINGRAULI	Deosar	Naya Tola	47	865	912	13	1	12
SINGRAULI*	SINGRAULI	Singrauli (M Corp.) - Ward No.43	354	1908	2262	13	2	11
TIKAMGARH	Tikamgarh	Badoraghat	324	131	455	13	9	4
TIKAMGARH	Prithvipur	Tatarpura (Boesar)	472	523	995	13	6	7
UJJAIN	Khacharod	Naredipata	236	239	475	13	6	7
UJJAIN	Ujjain	Ramwasa	331	420	751	13	6	7
UMARIA	Chandia	Kotalde	41	423	464	13	1	12
VIDISHA	Vidisha	Pipal Hutha	88	265	353	13	3	10
VIDISHA	Vidisha	Vidisha (M) - Ward No.10	59	402	461	13	2	11
		Total	33305	50689	83994	1261	429	832

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 82
Reserved Villages 15
Total Samples 1261

1066
195
1261

Download The Result Generated on 12/12/2023 12:03:51pm
FMD/SEROMON/NIVEDI/ROUND-V/Maharashtra_20/2023
Two Stage Stratified Random Sampling:
 Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 100 + (Cattle + Buffalo) = 20926
 Design Level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.03
 Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 110(+7 Villages Reserved)
 Total No of Animals to be Sampled = 1430

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Ahmednagar	Rahta	Sawali Vihir Kh.	89	943	1032	13	1	12
Ahmednagar	Parner	Panoli	28	1414	1442	13	0	13
Ahmednagar	Nagar	Chichondi Patil	530	2171	2701	13	3	10
Akola	Barshitakli	Chincholi Rudrayani	34	364	398	13	1	12
Akola	Akola	Ghusar	124	1160	1284	13	1	12
Amravati	Chandur	Chandur (M Cl) - Ward No.2	24	207	231	13	1	12
Amravati	Daryapur	Adula Bazar	30	360	390	13	1	12
Amravati	Dharni	Chakarda	30	904	934	13	0	13
Amravati*	Dhamangaon Railway	Virul Ronghe	89	955	1044	13	1	12
Aurangabad	Aurangabad	Kodgaon Ambad	2	276	278	13	0	13
Aurangabad	Kannad	Boltek	302	213	515	13	8	5
Aurangabad	Phulambri	Leha Babra	34	780	814	13	1	12
Aurangabad	Phulambri	Fulambri	354	3839	4193	13	1	12
Beed	Parli	Limbuta	158	190	348	13	6	7
Beed	Bid	Pimpaladevi	114	423	537	13	3	10
Beed	Ambejogai	Pattiwadgaon	532	644	1176	13	6	7
Beed	Kaij	Jiwachiwadi	852	1321	2173	13	5	8
Bhandara	Mohadi	Kanhalgaon Sir	219	329	548	13	5	8
Bhandara*	Tumsar	Binakhi	283	302	585	13	6	7
Buldhana	Motala	Lapali	51	191	242	13	3	10
Buldhana	Shegaon	Gaigaon Kh.	35	334	369	13	1	12
Buldhana	Motala	Advahir	103	769	872	13	2	11
Buldhana	Buldana	Pimpalgaon Sarai	387	818	1205	13	4	9
Chandrapur	Brahmapuri	Chandali	107	146	253	13	5	8
Chandrapur	Gondpipri	Bhanar Heti	7	279	286	13	0	13
Chandrapur	Chandrapur	Shivinchor	181	312	493	13	5	8
Chandrapur*	Korpana	Pipalgaon	32	1130	1162	13	0	13
Dhule	Dhule	Tarwade	31	693	724	13	1	12
Dhule	Sakri	Kakani	165	1215	1380	13	2	11
Gadchiroli	Aheri	Tikepalli	7	187	194	13	0	13
Gadchiroli	Etapalli	Bhumkan	16	335	351	13	1	12
Gadchiroli	Gadchiroli	Kalamtola	25	367	392	13	1	12
Gadchiroli	Chamorshi	Makepalli Mal	61	575	636	13	1	12
Gadchiroli	Gadchiroli	Pardi Kupi	223	547	770	13	4	9
Gondia	Sadak-Arjuni	Nainpur	200	278	478	13	5	8
Gondia*	Gondiya	Dangorli	212	1333	1545	13	2	11
Hingoli	Basmath	Mahmadapurwadi	105	287	392	13	3	10
Hingoli	Aundha (Nagnath)	Pardi[Sawali]	152	418	570	13	3	10
Jalgaon	Pachora	Chinchakhede Bk.	48	240	288	13	2	11
Jalgaon	Muktainagar (Edlabad)	Satod	132	277	409	13	4	9
Jalgaon	Pachora	Varasade Pr.Pachora	56	450	506	13	1	12
Jalgaon	Jamner	Kekat Nimbore	150	618	768	13	3	10
Jalgaon	Jamner	Betawad Bk	462	1105	1567	13	4	9
Jalna	Partur	Takli Rangopant	92	519	611	13	2	11
Jalna	Bhokardan	Pimpalgaon (Renukai)	108	705	813	13	2	11
Kolhapur	Shahuwadi	Shimpe	235	133	368	13	8	5

Kolhapur	Ajra	Kowade	469	123	592	13	10	3
Kolhapur	Hatkanangle	Vathar Tarf Vadgaon	687	422	1109	13	8	5
Kolhapur*	Shirol	Chipri	696	720	1416	13	6	7
Latur	Udgir	Yenki	481	170	651	13	10	3
Latur	Renapur	Wala	231	442	673	13	4	9
Mumbai	Greater Mumbai	T - Ward No. 103	45	346	391	13	1	12
Nagpur	Savner	Sillori	4	187	191	13	0	13
Nagpur	Ramtek	Sarakha	36	262	298	13	2	11
Nagpur	Nagpur (Rural)	Rui Khairi	20	438	458	13	1	12
Nagpur	Mauda	Rewaral	258	829	1087	13	3	10
Nanded	Bhokar	Dhawari Bk	43	314	357	13	2	11
Nanded	Umri	Sawargaon (Dakshin)	143	274	417	13	4	9
Nanded	Naigaon (Khairgaon)	Dhuppa	164	273	437	13	5	8
Nanded	Naigaon (Khairgaon)	Betak Biloli	389	614	1003	13	5	8
Nanded	Naigaon (Khairgaon)	Mokasdara	410	886	1296	13	4	9
Nandurbar	Nandurbar	Nandurbar (M CI) - Ward No.9	171	267	438	13	5	8
Nandurbar	Nawapur	Khokase	164	492	656	13	3	10
Nashik	Baglan	Nikwel	77	80	157	13	6	7
Nashik	Kalwan	Virshet	2	256	258	13	0	13
Nashik	Nashik	Ganeshgaon Nashik	159	277	436	13	5	8
Nashik	Malegaon	Malegaon (M CI) - Ward No.73	321	301	622	13	7	6
Nashik	Niphad	Shirwade Wakad	52	639	691	13	1	12
Nashik	Yevla	Nagarsul	222	1512	1734	13	2	11
Osmanabad	Paranda	Wangepavhan	320	465	785	13	5	8
Osmanabad*	Umarga	Balsur	725	903	1628	13	6	7
Palghar	Vada	Vada (CT)	160	226	386	13	5	8
Palghar	Dahanu	Bandhghar	15	544	559	13	0	13
Parbhani	Parbhani	Surpimpri	97	386	483	13	3	10
Parbhani	Purna	Pimpala Lokhande	223	687	910	13	3	10
Pune	Shirur	Sukrewadi	31	138	169	13	2	11
Pune	Junnar	Pachgharwadi (N.V.)	55	184	239	13	3	10
Pune	Khed	Rase	214	240	454	13	6	7
Pune	Bhor	Kurungvadi	431	174	605	13	9	4
Pune	Shirur	Shirur Gramin	302	778	1080	13	4	9
Pune	Haveli	Uruli Kanchan	432	1297	1729	13	3	10
Raigad	Poladpur	Tutawali	53	66	119	13	6	7
Raigad	Panvel	Dhodani	8	149	157	13	1	12
Raigad	Panvel	Sarsai	158	36	194	13	11	2
Raigad	Karjat	Sugave	62	157	219	13	4	9
Raigad	Shrivardhan	Galsure	43	222	265	13	2	11
Raigad	Tala	Shenate	0	303	303	13	0	13
Ratnagiri	Ratnagiri	Padavewadi	16	133	149	13	1	12
Ratnagiri	Lanja	Indavati	2	194	196	13	0	13
Ratnagiri	Ratnagiri	Nachane (Ct)	49	150	199	13	3	10
Ratnagiri	Ratnagiri	Chindravali	16	297	313	13	1	12
Ratnagiri	Sangameshwar	Karjuve	27	447	474	13	1	12
Sangli	Shirala	Antri Kh	462	346	808	13	7	6
Sangli	Walwa	Chikurde	1700	1907	3607	13	6	7
Satara	Wai	Yashwantnagar (N.V.)	97	127	224	13	6	7
Satara	Koregaon	Ekambe	255	214	469	13	7	6
Satara	Khatav	Yelmarwadi	333	154	487	13	9	4
Satara	Khatav	Chorade	662	263	925	13	9	4
Satara*	Khatav	Budh	787	723	1510	13	7	6

Sindhudurg	Malwan	Hedul	62	212	274	13	3	10
Sindhudurg	Sawantwadi	Verle	406	47	453	13	12	1
Solapur	Mangalvedhe	Jiti	167	176	343	13	6	7
Solapur	Karmala	Kondbej	159	587	746	13	3	10
Solapur	Malshiras	Girzani	644	721	1365	13	6	7
Solapur	Solapur	Solapur (M Corp.) - Ward No.16	2016	8	2024	13	13	0
Thane	Kalyan	Goveli	48	105	153	13	4	9
Thane	Bhiwandi	Sontakka	263	35	298	13	11	2
Thane	Murbad	Manivali Shirvali	356	149	505	13	9	4
Thane	Shahapur	Chondhe Bk.	18	993	1011	13	0	13
Wardha	Karanja	Pardi Heti	61	267	328	13	2	11
Wardha	Arvi	Bedhona	168	343	511	13	4	9
Washim	Washim	Jambhrun Parande	110	201	311	13	5	8
Washim	Manora	Dhamni Manora	249	548	797	13	4	9
Yavatmal	Ner	Fattapur	22	188	210	13	1	12
Yavatmal	Wani	Kurai	18	381	399	13	1	12
Yavatmal	Kalamb	Pahur (E)	71	561	632	13	1	12
Yavatmal	Wani	Suknegaon	134	564	698	13	2	11
Total			25162	59176	84338	1521	430	1091

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 110
Reserved Villages 7
Total Samples

1430
91
1521

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 75 + (Cattle + Buffalo) = 615

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.04

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 84

Total No of Animals to be Sampled = 1083

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Bishnupur	Nambol	Leimapokpam Khunpham And Keiren Kabui	0	269	269	13	0	13
Bishnupur	Nambol	Nambol (M Cl) (Part) - Ward No.5	0	288	288	13	0	13
Bishnupur	Moirang	Kwakta Khuman	0	425	425	13	0	13
Bishnupur	Kumbi	Kumbi (NP) - Ward No.1	29	444	473	13	1	12
Chandel	Chakpikarong	M. Zozamveng	0	81	81	12	0	12
Chandel	Chandel	Khuninglung	4	92	96	13	1	12
Chandel	Machi	Kulyang	7	89	96	13	1	12
Chandel	Machi	Laiching Maipuo	0	103	103	13	0	13
Chandel	Chakpikarong	Kholmunlen	2	103	105	13	0	13
Chandel	Chakpikarong	Charoiching	1	105	106	13	0	13
Chandel	Chakpikarong	Gohok	48	90	138	13	5	8
Chandel	Machi	Laiching Khullen	26	143	169	13	2	11
Chandel	Chandel	New Chayang	0	173	173	13	0	13
Chandel	Machi	Laiching Kangshang	0	308	308	13	0	13
Churachandpur	Churachandpur	Lalambung	0	77	77	12	0	12
Churachandpur	Singgat	Panglian	1	81	82	12	0	12
Churachandpur	Tipaimukh	Patpuihmun	15	69	84	12	2	10
Churachandpur	Singgat	Lungthul (E)	6	80	86	12	1	11
Churachandpur	Churachandpur	Tuiringphaisen	0	100	100	13	0	13
Churachandpur	Churachandpur	Zenhang Lamka (Ct)	0	104	104	13	0	13
Churachandpur	Churachandpur North	Tokpa Kabui	11	95	106	13	1	12
Churachandpur	Churachandpur	G. Monglian	0	108	108	13	0	13
Churachandpur	Churachandpur North	Vungbuk	24	92	116	13	3	10
Churachandpur	Churachandpur	Zomicolony	148	0	148	13	13	0
Churachandpur	Churachandpur North	Thingken	5	147	152	13	0	13
Churachandpur	Churachandpur	Thenmuol	0	174	174	13	0	13
Churachandpur	Churachandpur	Ngurte	6	191	197	13	0	13
Churachandpur	Singgat	Suangdoh	43	170	213	13	3	10
Churachandpur	Churachandpur	Tuinuphai	0	277	277	13	0	13
Imphal East	Porompat	Top Dusara Imphal	0	92	92	13	0	13
Imphal East	Sawombung	Pukhao Laipham	0	120	120	13	0	13
Imphal East	Sawombung	Chingku	0	133	133	13	0	13
Imphal East	Sawombung	Pukhao Naharup	0	150	150	13	0	13
Imphal East	Sawombung	Nungoi	0	160	160	13	0	13
Imphal East	Sawombung	Sanjenbam Khullen	0	174	174	13	0	13
Imphal East	Andro	Andro (NP) - Ward No.4	0	212	212	13	0	13
Imphal East	Jiribam	Dolakhal Meitei And Dolakhal Muslim	0	285	285	13	0	13
Imphal East	Andro	Andro (NP) - Ward No.8	0	301	301	13	0	13
Imphal East	Porompat	Potsangbam Khunou	5	517	522	13	0	13
Imphal West	Imphal	Takyel (OG) - Ward No.28	0	95	95	13	0	13
Imphal West	Wangoi	Govinda Gram Wakching Khullen	0	123	123	13	0	13
Imphal West	Wangoi	Samushang	0	198	198	13	0	13
Imphal West	Mayang Imphal	Mayang Imphal (NP) - Ward No.6	0	206	206	13	0	13
Imphal West	Wangoi	Phougakchao	2	215	217	13	0	13
Imphal West	Wangoi	Mongsangei	0	279	279	13	0	13
Imphal West	Wangoi	Kodompokpi	0	409	409	13	0	13

Senapati	Saitu-Gamphazol	Khunkhu Kuki	16	67	83	12	2	10
Senapati	Mao-Maram	Bedramei	20	65	85	12	3	9
Senapati	Purul	Ngari Khullen	52	37	89	12	7	5
Senapati	Sadar Hills East	Laiphrok Maring	0	103	103	13	0	13
Senapati	Sadar Hills East	Sandangsema Maring	0	105	105	13	0	13
Senapati	Mao-Maram	Maram Khunou	4	105	109	13	0	13
Senapati	Sadar Hills West	Lower Kalapahar 3	0	112	112	13	0	13
Senapati	Saitu-Gamphazol	Kolpechang Nepali	0	114	114	13	0	13
Senapati	Sadar Hills West	Gopibung Nepali	0	114	114	13	0	13
Senapati	Sadar Hills West	Tahar Basti	0	142	142	13	0	13
Senapati	Purul	Ngamju	81	63	144	13	7	6
Senapati	Mao-Maram	Ikaiongdi	0	145	145	13	0	13
Senapati	Mao-Maram	Makhan Khullen	46	120	166	13	4	9
Senapati	Saitu-Gamphazol	Charhazar	0	205	205	13	0	13
Senapati	Sadar Hills East	Leihaopokpi	0	209	209	13	0	13
Senapati	Sadar Hills West	Bajaghara	0	219	219	13	0	13
Senapati	Sadar Hills West	Naibet	0	236	236	13	0	13
Senapati	Mao-Maram	Shajouba	210	161	371	13	7	6
Senapati	Purul	Purul Atongba	195	305	500	13	5	8
Senapati	Purul	Phaibung Khullen	406	220	626	13	8	5
Tamenglong	Tamenglong North	Kabonram	0	94	94	13	0	13
Tamenglong	Nungba	Noney	17	98	115	13	2	11
Tamenglong	Tamenglong North	Tamah	20	109	129	13	2	11
Tamenglong	Tamenglong West	Phoklong	6	262	268	13	0	13
Tamenglong	Nungba	Nungadang	75	196	271	13	4	9
Thoubal	Thoubal	Icham Kunou	0	78	78	12	0	12
Thoubal	Thoubal	Kakmayai	0	92	92	13	0	13
Thoubal	Thoubal	Phundrei	0	163	163	13	0	13
Thoubal	Thoubal	Khongjom	0	230	230	13	0	13
Thoubal	Kakching	Sekmajjin	6	264	270	13	0	13
Thoubal	Kakching	Sora East	24	271	295	13	1	12
Thoubal	Kakching	Langmeidong	12	564	576	13	0	13
Ukhrul	Phungyar-Phaisat	Alang	49	41	90	13	7	6
Ukhrul	Ukhrul South	Nambshi Khunou	60	37	97	13	8	5
Ukhrul	Kamjong-Chassad	Chassad	61	114	175	13	5	8
Ukhrul	Ukhrul Central	Somdal	11	214	225	13	1	12
Ukhrul	Ukhrul Central	Tolloi	42	217	259	13	2	11
Ukhrul	Ukhrul North	Chingai	442	163	605	13	9	4
		Total	2238	14201	16439	1083	117	966

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 2200

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.06

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 54(+3 Villages Reserved)

Total No of Animals to be Sampled = 702

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
East Garo Hills	Songsak	Rongbatu (A)	0	129	129	13	0	13
East Garo Hills	Songsak	Rongchek Songgitcham	0	231	231	13	0	13
East Garo Hills	Dambo Rongjeng	Gabil Daningka	0	232	232	13	0	13
East Garo Hills	Dambo Rongjeng	Lower Gabil Patal	0	282	282	13	0	13
East Garo Hills	Songsak	Napak Bolchugre	0	316	316	13	0	13
East Jaintia Hills	Khliehriat	Um Latdoh	0	316	316	13	0	13
East Jaintia Hills	Khliehriat	Khliehriat East	0	821	821	13	0	13
East Khasi Hills	Mawphlang	Laitulong (Nongpdeng)	0	120	120	13	0	13
East Khasi Hills	Myllem	Kreit Nongshilliang	0	161	161	13	0	13
East Khasi Hills	Shella Bholaganj	Chaklabasti	0	190	190	13	0	13
East Khasi Hills	Mawsynram	Langsymphut	0	192	192	13	0	13
East Khasi Hills	Mawphlang	Wahlyngkien Sunci	0	209	209	13	0	13
East Khasi Hills	Myllem	Nongkohlew	0	256	256	13	0	13
East Khasi Hills	Mawryngkneng	Nonghali	0	292	292	13	0	13
East Khasi Hills	Myllem	Umpling (Ct)	0	538	538	13	0	13
North Garo Hills	Kharkutta	Rajasimla Wari	0	154	154	13	0	13
North Garo Hills	Resubelpara	Tetuliguri	0	210	210	13	0	13
North Garo Hills	Resubelpara	Upper Bolsong B.Mohol	0	229	229	13	0	13
North Garo Hills*	Kharkutta	Menadoba	0	284	284	13	0	13
North Garo Hills	Resubelpara	Tatolgre	0	311	311	13	0	13
Ri Bhoi	Umsning	Mawpun	13	134	147	13	1	12
Ri Bhoi	Umsning	Madan Nonglakhiat	0	175	175	13	0	13
Ri Bhoi	Umsning	Umroi Madan	0	189	189	13	0	13
Ri Bhoi	Jirang	Umkrem Dykhong	40	316	356	13	1	12
Ri Bhoi	Umning	Baridua	0	465	465	13	0	13
South Garo Hills	Gasuapara	Wagebokgre	0	103	103	13	0	13
South Garo Hills	Baghmara	Rongdotchi (L)	0	146	146	13	0	13
South Garo Hills	Gasuapara	Chereng Keragittim	0	192	192	13	0	13
South Garo Hills	Chokpot	Tebilgiri	0	202	202	13	0	13
South Garo Hills	Chokpot	Dura-Asimgiri	0	232	232	13	0	13
South Garo Hills	Chokpot	Daringgre	0	370	370	13	0	13
South Garo Hills	Chokpot	Mibonpara	0	533	533	13	0	13
South West Garo Hills	Zikzak	Sokbokgre	0	178	178	13	0	13
South West Garo Hills	Betasing	Chimisenggre	0	290	290	13	0	13
South West Garo Hills	Zikzak	Pagolpara	0	426	426	13	0	13
South West Garo Hills	Zikzak	Kamampara	0	518	518	13	0	13
South West Khasi Hills	Ranikor	Amarsang	24	199	223	13	1	12
South West Khasi Hills*	Ranikor	Jimaduar	0	318	318	13	0	13
West Garo Hills	Tikrikilla	Bollongitok	0	102	102	13	0	13
West Garo Hills	Gambegre	Rimrangpara	0	150	150	13	0	13
West Garo Hills	Selsella	Bhajamara	0	158	158	13	0	13
West Garo Hills	Selsella	Chaprabudi	0	213	213	13	0	13
West Garo Hills	Rongram	Rongdokgre	0	238	238	13	0	13
West Garo Hills	Gambegre	Dopogiri	0	262	262	13	0	13
West Garo Hills	Dalu	Gangbanga	0	366	366	13	0	13
West Garo Hills	Selsella	Shialkandi	0	441	441	13	0	13

West Garo Hills	Dalu	Koinadubi	0	492	492	13	0	13
West Garo Hills	Dadenggiri	Aigre Songitcham	0	614	614	13	0	13
West Jaintia Hills	Laskein	Pammanik	0	393	393	13	0	13
West Jaintia Hills	Thadlaskein	Sabahmuswang	0	471	471	13	0	13
West Khasi Hills*	Mairang	Lawriat Incl Dommusur	0	110	110	13	0	13
West Khasi Hills	Nongstoin	Dariphang	0	158	158	13	0	13
West Khasi Hills	Mairang	Mawkynrang	20	151	171	13	2	11
West Khasi Hills	Mawthadraishan	Shohphria	23	168	191	13	2	11
West Khasi Hills	Mawthadraishan	Marngor	12	266	278	13	1	12
West Khasi Hills	Mairang	Nongsohma	115	259	374	13	4	9
West Khasi Hills	Mairang	Madan Bynther	0	406	406	13	0	13
		Total	247	15877	16124	741	12	729

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 54
Reserved Villages 3
Total Samples

702
39
741

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 10 + (Cattle + Buffalo) = 219

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.06

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 54

Total No of Animals to be Sampled = 622(Restricted)

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
AIZAWL	Aibawk	Chawilung	0	20	20	10	0	10
AIZAWL	Darlawn	Chhanchhuahna Khawpui	0	20	20	10	0	10
AIZAWL	Darlawn	Darlawn Chhimveng	0	42	42	12	0	12
AIZAWL	Saitual	Saitual (NT) - Ward No.3	0	63	63	12	0	12
AIZAWL	Darlawn	Darlawn (NT) - Ward No.54	0	64	64	12	0	12
AIZAWL	Phullen	Phuaibuang	8	75	83	12	1	11
AIZAWL	Aizawl	Aizawl (NT) - Ward No.8	0	142	142	13	0	13
AIZAWL	Aibawk	Thingdawl (Melriat)	0	148	148	13	0	13
AIZAWL	Aizawl	Aizawl (NT) - Ward No.67	0	151	151	13	0	13
AIZAWL	Aizawl	Aizawl (NT) - Ward No.6	0	252	252	13	0	13
AIZAWL	Aizawl	Tlanguam Vengthar	0	368	368	13	0	13
CHAMPHAI	Khawbung	Sesih	25	0	25	11	11	0
CHAMPHAI	Khawbung	Farkawn	0	27	27	11	0	11
CHAMPHAI	Khawzawl	Chawngtlai	19	26	45	12	5	7
CHAMPHAI	Khawbung	Bulfekzawl	0	47	47	12	0	12
CHAMPHAI	Khawbung	Khuangthing	3	99	102	13	0	13
CHAMPHAI	East Lungdar (Part)	Sialhawk	0	106	106	13	0	13
KOLASIB	N.Kawnpui	N.Kawnpui (NT) - Ward No.1	0	54	54	12	0	12
KOLASIB	N.Kawnpui	N.Kawnpui (NT) - Ward No.2	0	160	160	13	0	13
LAWNGTLAI	Lawngtlai	Hmunlai	0	19	19	10	0	10
LAWNGTLAI	S Bungtlang	Hmunnuam	0	20	20	10	0	10
LAWNGTLAI	Chawngte	Gobabsuri	0	21	21	10	0	10
LAWNGTLAI	Sangau	Tialdawngi Lung	0	30	30	11	0	11
LAWNGTLAI	Chawngte	Betbonya	0	38	38	12	0	12
LAWNGTLAI	Chawngte	Kamlanagar III (Chawngte C III)	0	48	48	12	0	12
LAWNGTLAI	S Bungtlang	Vathuampui	0	50	50	12	0	12
LAWNGTLAI	Chawngte	Kamlanagar II (Chawngte C II)	0	62	62	12	0	12
LAWNGTLAI	Chawngte	Devasora ᱛᱟᱹᱨᱩᱵᱤᱫᱽ	0	64	64	12	0	12
LAWNGTLAI	S Bungtlang	Chamdur ᱛᱟᱹᱨᱩᱵᱤᱫᱽ I	0	65	65	12	0	12
LUNGLEI	Lunglei	Mamte	0	12	12	9	0	9
LUNGLEI	Lungsen	Nunsuri I	0	16	16	10	0	10
LUNGLEI	Hnahthial	Cherhlu	0	18	18	10	0	10
LUNGLEI	Hnahthial	Tarpho	25	0	25	11	11	0
LUNGLEI	West Bughmun	Marpara S. II / Mar S II	0	27	27	11	0	11
LUNGLEI	Hnahthial	S.Chawngtui	0	31	31	11	0	11
LUNGLEI	West Bughmun	Laisawral	0	33	33	11	0	11
LUNGLEI	Lungsen	Phairuangchhuah	0	34	34	11	0	11
LUNGLEI	Tlabung	Tlabung (NT) - Ward No.2	0	59	59	12	0	12
LUNGLEI	Lungsen	Borsegojasora	0	70	70	12	0	12
MAMIT	Mamit	Hmarveng	0	14	14	9	0	9
MAMIT	Zawlnuam	Nalzawl	0	17	17	10	0	10
MAMIT	Zawlnuam	Rengdil	0	24	24	11	0	11
MAMIT	Zawlnuam	Chuhvel	0	26	26	11	0	11
MAMIT	West Phaileng	Silsuri	0	65	65	12	0	12
MAMIT	Zawlnuam	Zawlnuam (NT) - Ward No.2	0	72	72	12	0	12
SERCHHIP	Serchhip	E.Thinglian	0	40	40	12	0	12

SERCHHIP	Serchhip	Serchhip (NT) WARD NO.-0005	0	43	43	12	0	12
SERCHHIP	Serchhip	Ngentiang	5	64	69	12	1	11
SERCHHIP	Serchhip	Sialhau	0	153	153	13	0	13
SIAHA	Siaha	Zero point	0	20	20	10	0	10
SIAHA	Siaha	Meisatla-2	0	30	30	11	0	11
SIAHA	Siaha	Old Tisopi	0	40	40	12	0	12
SIAHA	Tipa	Chapi - II	0	43	43	12	0	12
SIAHA	Tipa	Dairy Veng Tuipang	0	51	51	12	0	12
		Total	85	3283	3368	622	29	593

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 15 + (Cattle + Buffalo) = 471

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.06

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 54

Total No of Animals to be Sampled = 636(Restricted)

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Dimapur	Kuhoboto	Hoito	4	30	34	11	1	10
Dimapur	Chumukedima	Toulazouma	4	48	52	12	1	11
Dimapur	Niuland	Hezheto	0	82	82	12	0	12
Dimapur	Kuhoboto	Lotovi	19	70	89	12	3	9
Dimapur	Chumukedima	Diphupar	0	94	94	13	0	13
Dimapur	Niuland	Henito	0	124	124	13	0	13
Dimapur	Dhansiripar	Shotovi	50	85	135	13	5	8
Dimapur	Chumukedima	Bade	0	182	182	13	0	13
Dimapur	Dhansiripar	Lothavi	32	350	382	13	1	12
Kiphire	Sitimi	Natsami	0	27	27	11	0	11
Kohima	Tseminyu	Khonibinzun	0	36	36	11	0	11
Kohima	Chiephobozou	Nachama	0	42	42	12	0	12
Kohima	Tseminyu	Zisunyu	0	74	74	12	0	12
Kohima	Chiephobozou	Phezha	0	77	77	12	0	12
Longleng	Sakshi	Yongphang S/Comp (Ur)	0	81	81	12	0	12
Longleng	Yongnyah	Nian	0	954	954	13	0	13
Mokokchung	Merangmen	Longphayimsen	2	20	22	10	1	9
Mokokchung	Tuli	Tsudikong (13Th Mile Tuli Paper Mill) (Ct)	8	15	23	11	4	7
Mokokchung	Tuli	Anakiyimsen	0	24	24	11	0	11
Mokokchung	Merangmen	Moayimti	0	25	25	11	0	11
Mokokchung	Tuli	Anaki 'c	0	31	31	11	0	11
Mon	Wakching	Tanhai	0	41	41	12	0	12
Mon	Hunta	Laokhu	0	60	60	12	0	12
Mon	Mopong	Yonghong	58	5	63	12	11	1
Mon	Phomching	Nyasa	0	86	86	12	0	12
Mon	Longshen	Sheachah Chingnyu	0	137	137	13	0	13
Peren	Tening	Tenning Village	7	64	71	12	1	11
Peren	Jalukie	Jalukie Lower Khel (Ur)	52	92	144	13	5	8
Peren	Athibung	Old Chalkot	96	209	305	13	4	9
Peren	Jalukie	Jalukie (Old)	338	57	395	13	11	2
Phek	Meluri	Akhegwo Junction (Ur)	0	25	25	11	0	11
Phek	Sekruzu	Ruzazho	32	0	32	11	11	0
Phek	Pfutsero	Kami	0	36	36	11	0	11
Phek	Chozuba Town Council	Chozuba Town (TC) - Ward No.8 RIKHUBA-	6	38	44	12	2	10
Phek	Meluri	New Akhegwo	0	55	55	12	0	12
Tuensang	Noksen	Younyu	0	21	21	10	0	10
Tuensang	Sangsangnyu	Saochu	0	29	29	11	0	11
Tuensang	Tuensang Town Council	Tuensang (TC) - Ward No.11 OFFICERS	0	34	34	11	0	11
Tuensang	Shamator	Shamator N.A.P Post	0	41	41	12	0	12
Tuensang	Shamator Town Council	Shamator Town (TC) - Ward No.10 NAP WARD	0	107	107	13	0	13
Tuensang	Chessore	Hukir	0	209	209	13	0	13
Wokha	Lotsu	Morakjo	0	18	18	10	0	10
Wokha	Bhandari	Liphi	0	19	19	10	0	10
Wokha	Sanis	Sunglup	0	24	24	11	0	11
Wokha	Bhandari Town Council	Bhandari Town (TC) - Ward No.4	0	24	24	11	0	11
Wokha	Lotsu	Lotsu Vill.	9	16	25	11	4	7

Wokha	Wokha Town Council	Wokha (TC) - Ward No.15 SARON WARD	0	27	27	11	0	11
Zunheboto	Aghunato	Akubani Old	0	23	23	11	0	11
Zunheboto	Asuto	Achikuchu 'b	0	32	32	11	0	11
Zunheboto	Zunheboto Sadar	Sukhalu	0	47	47	12	0	12
Zunheboto	Suruhuto	Yehemi	0	63	63	12	0	12
Zunheboto	Satakha	Kiyekhu	0	82	82	12	0	12
Zunheboto	Ghathashi	Hebolimi	0	119	119	13	0	13
Zunheboto	Asuto	Asuto Hq	0	132	132	13	0	13
		Total	717	4443	5160	636	65	571

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 18195

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.04

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+3 Villages Reserved)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units	Buffalo Proportion (h)	Cattle Proportion (i)
Anugul	Samal Barrage	Parabil	0	622	622	13	0	13
Balangir	Sindheklela	Kalkut	3	235	238	13	0	13
Balangir	Sindheklela	Jamakhunta	2	323	325	13	0	13
Baleshwar	Soro	Talapadhi	0	190	190	13	0	13
Baleshwar	Baliapal	Ghantua	0	333	333	13	0	13
Baleshwar	Oupada	Pratapapur	0	377	377	13	0	13
Baleshwar	Khaira	Ohada	0	408	408	13	0	13
Baleshwar	Khaira	Maliha	0	669	669	13	0	13
Bargarh	Jharbandha	Sakti	13	192	205	13	1	12
Bargarh	Attabira	Silat	12	658	670	13	0	13
Bhadrak	Basudebpur	Manmathpur	0	332	332	13	0	13
Bhadrak	Bhadrak Rural	Daising	0	949	949	13	0	13
Boudh	Manamunda	Kirimakhole	20	175	195	13	1	12
Boudh	Baudh Sadar	Badhigam	0	533	533	13	0	13
Cuttack	Niali	Khajara	9	354	363	13	0	13
Cuttack*	Banki	Ragadipatna	0	608	608	13	0	13
Deogarh	Reamal	Bhitarpada	0	230	230	13	0	13
Deogarh	Barkot	Chapabahal	147	289	436	13	4	9
Dhenkanal	Parajang	Gaudakateni	0	344	344	13	0	13
Dhenkanal	Kankadahad	Makuakateni	2	880	882	13	0	13
Gajapati	Serango	Pandrung	4	223	227	13	0	13
Gajapati	R.Udaygiri	Kisangapur(Nisangapur)	0	341	341	13	0	13
Ganjam	Hinjilicut	Hinjilicut (NAC) - Ward No.8	15	89	104	13	2	11
Ganjam	Jarada	Baulia	0	196	196	13	0	13
Ganjam	Gangapur	Gothali	0	294	294	13	0	13
Ganjam	Seragad	Lakshminrusinghapur	11	333	344	13	0	13
Ganjam	Nuagaon	Gumabirasinghapur	0	447	447	13	0	13
Ganjam	Patapur	Satapentagopalpur	91	816	907	13	1	12
Jagatsinghapur	Jagatsinghapur	Sanpur	0	224	224	13	0	13
Jagatsinghapur	Kujang	Samagol	0	763	763	13	0	13
Jajapur	Korai	Biruanpada	0	332	332	13	0	13
Jajapur	Mangalpur	Dahanihata	0	457	457	13	0	13
Jharsuguda*	Brajarajnagar	Brajarajnagar (M) - Ward No.12	40	284	324	13	2	11
Kalahandi	Thuamul Rampur	Kukurbhursi	90	84	174	13	7	6
Kalahandi	Thuamul Rampur	Pridimaska	0	184	184	13	0	13
Kalahandi	Junagarh	Bhaunriguda	43	310	353	13	2	11
Kalahandi	Kesinga	Gaigaon	8	350	358	13	0	13
Kandhamal	Raikia	Sihuripanga	16	85	101	13	2	11
Kandhamal	Baliguda	Sapakamba	25	117	142	13	2	11
Kandhamal	Brahmanigaon	Pakalmaha,	5	198	203	13	0	13
Kandhamal	Gochhapada	Kilupanga	12	242	254	13	1	12
Kandhamal	Khajuripada	Baikumpa	24	302	326	13	1	12
Kandhamal	Baliguda	Mediakia	100	246	346	13	4	9
Kendrapara	Rajkanika	Chhadesh	0	315	315	13	0	13
Kendrapara	Aali	Nalapahi	266	247	513	13	7	6
Kendujhar	Kendujhar Sadar	Nunajharan	0	188	188	13	0	13

Kendujhar	Harichandanpur	Maniabindha	8	393	401	13	0	13
Kendujhar	Kendujhar Sadar	Kempasada	0	455	455	13	0	13
Kendujhar	Soso	Padhiarpalli	8	1039	1047	13	0	13
Khordha	Jankia	Orabarsingh	0	295	295	13	0	13
Khordha	Tangi	Kaithapalla	10	420	430	13	0	13
Koraput	Bhairabsingipur	Chaupadi	66	151	217	13	4	9
Koraput	Nandapur	Karari	6	278	284	13	0	13
Koraput	Bandhugaon	Partingi	76	240	316	13	3	10
Koraput	Machh Kund	Badigada	71	336	407	13	2	11
Koraput	Machh Kund	Lugumu	41	420	461	13	1	12
Malkangiri	Mathili	Dhungiaput	0	437	437	13	0	13
Malkangiri	Orkel	Pramilapadar	0	724	724	13	0	13
Mayurbhanj	Barsahi	Kudasasansamildurgapur	0	124	124	13	0	13
Mayurbhanj*	Kaptipada	Badakhaldi	0	161	161	13	0	13
Mayurbhanj	Gorumahisani	Tanguru	2	232	234	13	0	13
Mayurbhanj	Sharata	Gaipankhihill	0	283	283	13	0	13
Mayurbhanj	Barsahi	Singtia	0	396	396	13	0	13
Mayurbhanj	Suliapada	Tilajudia	0	489	489	13	0	13
Nabarangpur	Dabugan	Pariabeda	43	494	537	13	1	12
Nabarangpur	Kosagumuda	Keragan	71	818	889	13	1	12
Nayagarh	Sarankul	Kakalama	0	232	232	13	0	13
Nayagarh	Nayagarh	Lenkudipada	0	288	288	13	0	13
Nuapada	Nuapada	Mohara	6	302	308	13	0	13
Nuapada	Jonk	Khaliapani	2	434	436	13	0	13
Puri	Astaranga	Athatira	0	353	353	13	0	13
Puri	Chandanpur	Bijeramachandrapur	0	586	586	13	0	13
Rayagada	Rayagada	Khedapoda	15	131	146	13	1	12
Rayagada	Seskhali	Kunjabadi (Boiragiguda)	58	166	224	13	3	10
Rayagada	Rayagada	Rupuni	103	140	243	13	6	7
Rayagada	Bishamakatak	Kalapai	12	257	269	13	1	12
Rayagada	Rayagada	Badacheka	84	434	518	13	2	11
Sambalpur	Kochinda	Kelda	0	297	297	13	0	13
Sambalpur	Govindpur	Kechhupani	0	350	350	13	0	13
Sonepur	Ulunda	Gaimura	20	164	184	13	1	12
Sonepur	Dunguripali	Tamamura	0	330	330	13	0	13
Sundargarh	Sundargarh	Sundargarh (M) - Ward No.9	9	241	250	13	0	13
Sundargarh	Talasara	Mahulgaon-Oraf- Jhilimal	0	290	290	13	0	13
Sundargarh	Bisra	Kapatmunda	9	446	455	13	0	13
Sundargarh	Talasara	Kiralaga(I) R.F.	13	641	654	13	0	13
		Total	1691	30635	32326	1105	63	1042

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 82
Reserved Villages 3
Total Samples

1066
39
1105

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo
 Number of Villages Having 10 + (Cattle + Buffalo) = 156
 Design Level Prevalence (% of unprotected) = 0.2
 Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.06
 Sensitivity of the test used = 0.9
 Total No of Villages (Clusters) Selected = 53
 Total No of Animals to be Sampled = 673(Restricted)

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Karaikal	Karaikal	Water Tank	0	111	111	13	0	13
Karaikal	Thirunallar Taluk	Nallazhundur	0	118	118	13	0	13
Karaikal	Karaikal	Madhagadi	134	161	295	13	6	7
Karaikal	Karaikal Taluk	Thiruvettakudy	11	403	414	13	0	13
Karaikal	Thirunallar Taluk	Sethur	0	519	519	13	0	13
Karaikal	Karaikal	Keezhakasakudy	0	552	552	13	0	13
Karaikal	Karaikal Taluk	Kizhamanai	0	594	594	13	0	13
Karaikal	Karaikal	Akkaraivattam	0	629	629	13	0	13
Karaikal	Karaikal	Koilpathu	96	545	641	13	2	11
Karaikal	Thirunallar Taluk	Pettai	14	663	677	13	0	13
Karaikal	Karaikal	Dharmapuram	15	972	987	13	0	13
Mahe	Mahe	Pandakkal (South)	0	31	31	11	0	11
Mahe	Mahe	Palloor (North-East)	0	50	50	12	0	12
Mahe	Mahe	Pandakkal (Central)	0	52	52	12	0	12
Pondicherry	Ozhukarai	Saram	0	18	18	10	0	10
Pondicherry	Villianur Taluk	Sulthanpet	0	24	24	11	0	11
Pondicherry	Pondicherry	Muthialpet(East)	0	38	38	12	0	12
Pondicherry	Ozhukarai	Kurinji Nagar	0	43	43	12	0	12
Pondicherry	Pondicherry	Nellithope	0	47	47	12	0	12
Pondicherry	Villianur Taluk	Kanuvapet	0	56	56	12	0	12
Pondicherry	Ozhukarai	Meenatchipet	0	73	73	12	0	12
Pondicherry	Pondicherry	Nethaji Nagar	10	72	82	12	1	11
Pondicherry	Villianur Taluk	Vambupet	0	85	85	12	0	12
Pondicherry	Bahour Taluk	Irulansandy	0	97	97	13	0	13
Pondicherry	Ozhukarai	Indira Nagar	0	135	135	13	0	13
Pondicherry	Villianur Taluk	Manakuppam	0	151	151	13	0	13
Pondicherry	Ozhukarai	Shanmugapuram	0	169	169	13	0	13
Pondicherry	Pondicherry	Keeralalayam	0	175	175	13	0	13
Pondicherry	Ozhukarai	Periakalapet (East)	0	176	176	13	0	13
Pondicherry	Villianur Taluk	Sivarandagam	0	178	178	13	0	13
Pondicherry	Bahour Taluk	Outchimedu	0	207	207	13	0	13
Pondicherry	Ozhukarai	Samipillaithottam	29	189	218	13	2	11
Pondicherry	Bahour Taluk	Kaduvanur	0	247	247	13	0	13
Pondicherry	Villianur Taluk	Ulaivaikkal	0	261	261	13	0	13
Pondicherry	Pondicherry	Kakayantope (OG) - Ward No.44	0	309	309	13	0	13
Pondicherry	Bahour Taluk	Karayambuthur	0	430	430	13	0	13
Pondicherry	Villianur Taluk	Sellipattu	0	526	526	13	0	13
Pondicherry	Bahour Taluk	Eripakkam	0	541	541	13	0	13
Pondicherry	Pondicherry	Kombakkam	58	508	566	13	1	12
Pondicherry	Villianur Taluk	Thiruvandarkoil	0	611	611	13	0	13
Pondicherry	Villianur Taluk	Katteri	0	624	624	13	0	13
Pondicherry	Villianur Taluk	Odiampet (Og)	0	630	630	13	0	13
Pondicherry	Puducherry Taluk	Andiaralayam	0	637	637	13	0	13
Pondicherry	Villianur Taluk	Sedarapet	0	659	659	13	0	13
Pondicherry	Villianur Taluk	Madagadipet	0	684	684	13	0	13
Pondicherry	Bahour Taluk	Parikalpet	0	716	716	13	0	13

Pondicherry	Villianur Taluk	Thirukanji	8	709	717	13	0	13
Pondicherry	Villianur Taluk	Thirubuvanai	11	784	795	13	0	13
Pondicherry	Puducherry Taluk	Purnankuppam	0	862	862	13	0	13
Pondicherry	Bahour Taluk	Soriankuppam	0	917	917	13	0	13
Pondicherry	Villianur Taluk	Oussudu	0	1159	1159	13	0	13
Yanam	Yanam	Pedapudi	65	49	114	13	7	6
Yanam	Yanam	Mettacuru	247	81	328	13	10	3
		Total	698	19277	19975	673	29	644

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 11378

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.04

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+3 Revised Villages)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Amritsar	Amritsar -I	Sham Nagar (223)	197	278	475	13	5	8
Amritsar	Amritsar	Amritsar (M Corp.) - Ward No.48	0	681	681	13	0	13
Amritsar	Amritsar- Ii	Ibban Kalan (275)	568	235	803	13	9	4
Amritsar	Amritsar- Ii	Modhe (390)	633	319	952	13	9	4
Barnala	Tapa	Draka (70)	802	279	1081	13	10	3
Barnala	Tapa	Dhurkot (74)	1011	551	1562	13	8	5
Bathinda	Rampura Phul	Kangar (27)	546	388	934	13	8	5
Bathinda	Bathinda	Janghi Rana (86)	848	758	1606	13	7	6
Faridkot	Kotakpura	Jalaleana (110)	314	376	690	13	6	7
Faridkot	Jaitu	Matta (132)	902	663	1565	13	7	6
Fatehgarh Sahib	Amlah	Bharpur Garh (79)	359	101	460	13	10	3
Fatehgarh Sahib	Bassi Pathana	Lohari Kalan (86)	329	213	542	13	8	5
Fazilka	Jalalabad	Chak Bazida (367)	1096	155	1251	13	11	2
Fazilka	Abohar	Malukpura (60)	698	809	1507	13	6	7
Firozpur	Firozpur	Qutbewala (57)	152	63	215	13	9	4
Firozpur	Firozpur	Machhi Bugra (184)	287	218	505	13	7	6
Firozpur	Firozpur	Bhambawala Urf Landa (151)	378	199	577	13	9	4
Firozpur	Guruhsahai	Ghanga Kalan (123)	505	186	691	13	10	3
Gurdaspur	Batala	Chao Chak (62)	69	57	126	13	7	6
Gurdaspur	Gurdaspur	Doaba (294)	117	74	191	13	8	5
Gurdaspur	Gurdaspur	Purowal Araian (215)	130	169	299	13	6	7
Gurdaspur	Batala	Dhanne (182)	239	62	301	13	10	3
Gurdaspur	Batala	Sangatpura (205)	187	144	331	13	7	6
Gurdaspur	Batala	Khokharwal (14)	214	193	407	13	7	6
Gurdaspur	Gurdaspur	Dhamrai (297)	280	204	484	13	8	5
Gurdaspur*	Batala	Bhol (3)	815	188	1003	13	11	2
Hoshiarpur	Mukerian	Kale Bagh (254)	92	54	146	13	8	5
Hoshiarpur	Dasua	Sohian (62)	82	125	207	13	5	8
Hoshiarpur	Garhshankar	Chak Narial (336)	123	92	215	13	7	6
Hoshiarpur	Dasua	Malakpur Bodal (54)	141	90	231	13	8	5
Hoshiarpur	Hoshiarpur	Naru Nangal Khas (340)	166	83	249	13	9	4
Hoshiarpur	Mukerian	Badala (373)	170	122	292	13	8	5
Hoshiarpur	Hoshiarpur	Lehli Khurd (314)	113	209	322	13	5	8
Hoshiarpur	Mukerian	Tanda Ram Sahai (246)	120	214	334	13	5	8
Hoshiarpur	Garhshankar	Mehtabpur (260)	298	115	413	13	9	4
Hoshiarpur	Mukerian	Hirbeh (562)	187	244	431	13	6	7
Jalandhar	Shahkot	Gadaipur (215)	50	95	145	13	4	9
Jalandhar	Shahkot	Billi Baraich (170)	145	105	250	13	8	5
Jalandhar	Jalandhar - Ii	Ali Chak (419)	135	253	388	13	5	8
Jalandhar	Shahkot	Talwandi Butian (260)	280	125	405	13	9	4
Jalandhar	Nakodar	Mirpur (157)	276	178	454	13	8	5
Jalandhar*	Phillaur	Ramewal (96)	492	365	857	13	7	6
Kapurthala	Phagwara	Phagwara (M Cl) - Ward No.5	119	97	216	13	7	6
Kapurthala	Sultanpur Lodhi	Kabirpur (159)	204	148	352	13	8	5
Kapurthala	Kapurthala	Sukhani (217)	267	87	354	13	10	3
Kapurthala	Kapurthala	Lakhan Khurd (138)	239	234	473	13	7	6

Kapurthala	Kapurthala	Talwandi Mehma (150)	342	162	504	13	9	4
Ludhiana	Samrala	Majli Khurd (144)	113	130	243	13	6	7
Ludhiana	Jagraon	Chachrari (104)	260	109	369	13	9	4
Ludhiana	Raikot	Hisowal (81)	411	198	609	13	9	4
Ludhiana	Ludhiana (East)	Jartauli (314)	471	233	704	13	9	4
Ludhiana	Raikot	Pheru Raien (170)	548	501	1049	13	7	6
Ludhiana	Ludhiana (West)	Mandiani (77)	722	350	1072	13	9	4
Ludhiana	Jagraon	Manuke (150)	1825	1406	3231	13	7	6
Mansa	Budhlada	Datewas (223)	678	223	901	13	10	3
Mansa*	Mansa	Thuthianwali (57)	1024	327	1351	13	10	3
Moga	Bagha Purana	Nathoke (108)	457	305	762	13	8	5
Moga	Bagha Purana	Thathi Bhai (126)	761	460	1221	13	8	5
Muktsar	Muktsar	Khunde Halal (42)	376	348	724	13	7	6
Muktsar	Malout	Tarkhanwala (196)	447	733	1180	13	5	8
Nawanshahr (Sbs Nagar)	Banga	Mallo Mazara (293)	135	149	284	13	6	7
Nawanshahr (Sbs Nagar)	Nawanshahr	Mubarkpur (130)	246	181	427	13	7	6
Pathankot	Pathankot	Lehri Bawian (198)	125	97	222	13	7	6
Pathankot	Dhar Kalan	Palangi	333	144	477	13	9	4
Patiala	Rajpura	Faridpur Gujran (55)	92	9	101	13	12	1
Patiala	Patran	Dawarkapur (190)	177	118	295	13	8	5
Patiala	Nabha	Kameli (212)	297	169	466	13	8	5
Patiala	Patiala	Akbarpur Urf Murad Majra (296)	373	137	510	13	10	3
Patiala	Patiala	Falauli (27) (Part)	596	133	729	13	11	2
Patiala	Rajpura	Khera Gajju (269)	820	203	1023	13	10	3
Rupnagar	Anandpur Sahib	Munna (414)	135	98	233	13	8	5
Rupnagar	Rup Nagar	Bhaowal (325)	235	119	354	13	9	4
Rupnagar	Anandpur Sahib	Kahiwal Bass	430	46	476	13	12	1
Rupnagar	Chamkaur Sahib	Kiri Afghana (286)	323	208	531	13	8	5
S.A.S Nagar	Sas Nagar (Mohali)	Raipur Kalan (294)	300	94	394	13	10	3
S.A.S Nagar	Dera Bassi	Mianpur (205)	990	397	1387	13	9	4
Sangrur	Sangrur	Nandgarh (231)	298	137	435	13	9	4
Sangrur	Malerkotla	Sikandarpura (73)	442	193	635	13	9	4
Sangrur	Sangrur	Mander Kalan (3)	711	208	919	13	10	3
Sangrur	Moonak	Bushera (119)	1053	213	1266	13	11	2
Sangrur	Sunam	Ubha (148)	926	549	1475	13	8	5
Tarn Taran	Tarn Taran	Miani (224)	191	78	269	13	9	4
Tarn Taran	Tarn Taran	Muse (207)	440	208	648	13	9	4
Tarn Taran	Khadur Sahib	Khajkiapur (153)	598	497	1095	13	7	6
Tarn Taran	Tarn Taran	Sheron (266)	1434	633	2067	13	9	4
		Total	35510	21101	56611	1105	684	421

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 82
Reserved Villages 3
Total Samples

1066
39
1105

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 27572

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.04

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+8 Villages Reserved)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Ajmer	Sarwar	Mohammadgarh	867	301	1168	13	10	3
Alwar	Behror	Dawani	384	88	472	13	11	2
Alwar	Alwar	Dadhikar (Dadikar)	543	109	652	13	11	2
Alwar	Mandawar	Majri Khola	715	104	819	13	11	2
Alwar	Tijara	Guwalda	2190	1094	3284	13	9	4
Banswara	Ganoda	Timba Gamri	333	396	729	13	6	7
Banswara	Garhi	Partapur (Ct)	1402	1015	2417	13	8	5
Baran	Shahbad	Munsredi	222	319	541	13	5	8
Baran	Mangrol	Rawal Jawal	384	362	746	13	7	6
Barmer	Dhanau	SADRAM KI BERI	58	52	110	13	7	6
Barmer	Dhanau	Hironion Ka Tala	64	205	269	13	3	10
Barmer*	SEDWA	Pabudanpura	79	318	397	13	3	10
Barmer	Siwana	Darbala	293	121	414	13	9	4
Barmer	Pachpadra	Daukiyon Ka Tala	44	471	515	13	1	12
Barmer	Chohtan	Bawri Kalan	136	1496	1632	13	1	12
Bharatpur	Deeg	Deeg (M) - Ward No.11	209	157	366	13	7	6
Bharatpur	Bayana	Peeparra	568	96	664	13	11	2
Bharatpur	Bayana	Dehgawan	601	226	827	13	9	4
Bharatpur	Kumher	Bhatawali	1059	113	1172	13	12	1
Bhilwara	Mandalgarh	Hameriya	212	595	807	13	3	10
Bhilwara	Mandal	Kabradiya	646	575	1221	13	7	6
Bikaner	Kolayat	Mandal Charnan	0	1419	1419	13	0	13
Bikaner*	Lunkaransar	Kakadwala	255	2108	2363	13	1	12
Bundi	Nainwa	Korma	254	174	428	13	8	5
Bundi	Hindoli	Kherkhata	679	221	900	13	10	3
Chittorgarh	Rashmi	Kareethara	542	148	690	13	10	3
Chittorgarh	Chittaurgarh	Chittaurgarh (M) - Ward No.22	800	429	1229	13	8	5
Churu	Ratangarh	Jegniya Bidawatan	279	336	615	13	6	7
Churu	Bidasar	Sadoo Chhoti	729	442	1171	13	8	5
Dausa	Sikrai	Namner	562	78	640	13	11	2
Dausa	Baswa	Anantwara	713	187	900	13	10	3
Dholpur	Baseri	Atarsooma	347	76	423	13	11	2
Dholpur	Sepau	Kankoli	553	74	627	13	11	2
Dungarpur*	Aspur	Sakani	805	124	929	13	11	2
Dungarpur	Dungarpur	Upargaon	1026	701	1727	13	8	5
Ganganagar	Gharsana	8 Mgm	20	84	104	13	3	11
Ganganagar	Ganganagar	GANGANAGAR 2ML (OG) (part) - Ward No.55	47	142	189	13	3	10
Ganganagar	Vijainagar	5 Gb-A	72	185	257	13	4	9
Ganganagar	Suratgarh	39 Pbn	113	160	273	13	5	8
Ganganagar	Sadulshahar	13 Bnw (Dulrasar)	174	399	573	13	4	9
Ganganagar	Ganganagar	2 Lnp	92	599	691	13	2	11
Ganganagar*	Padampur	PADAMPUR (M) - Ward No.18	4	2235	2239	13	0	13
Hanumangarh	Nohar	16 Knn	146	168	314	13	6	7
Hanumangarh	Sangaria	1 Nkr (Lambi Dhab)	159	292	451	13	5	8
Hanumangarh	Tibi	4 Rwb	228	264	492	13	6	7
Hanumangarh	Rawatsar	7 Kdd	213	663	876	13	3	10

Hanumangarh	Tibi	6 Cdr	501	679	1180	13	6	7
Jaipur	Viratnagar	Kankrana Chhota	441	45	486	13	12	1
Jaipur	DUDU	Beejolao	374	168	542	13	9	4
Jaipur	Sanganer	Purshottampura @ Dadiya	659	371	1030	13	8	5
Jaipur	Jamwa Ramgarh	Dangarwara Khurd	603	612	1215	13	6	7
Jaisalmer	Jaisalmer	Amar Sagar	0	613	613	13	0	13
Jaisalmer	Pokaran	Khuhra	17	812	829	13	0	13
Jalore	Sanchole	Liyadra	498	625	1123	13	6	7
Jalore	Sanchole	Dugawa	2307	927	3234	13	9	4
Jhalawar	Gangdhar	Semli Chharot	177	185	362	13	6	7
Jhalawar*	Aklera	Pachola	671	230	901	13	10	3
Jhunjhunu	Jhunjhunu	Pakori Dhani	94	371	465	13	3	10
Jhunjhunu	Nawalgarh	Dhaka Ka Bas	383	668	1051	13	5	8
Jodhpur	Balesar	Hathesingh Nagar	16	382	398	13	1	12
Jodhpur	Jodhpur	Bora Was	93	646	739	13	2	11
Jodhpur	Luni	Dhawa I	224	817	1041	13	3	10
Jodhpur	Jodhpur	Pal Village (OG) (Part) - Ward No.62	66	2224	2290	13	0	13
Karauli*	Sapotra	Pardampura	558	32	590	13	12	1
Karauli	Karauli	Kailadevi	3097	93	3190	13	13	0
Kota	Sangod	Boodhani	380	144	524	13	9	4
Kota	Digod	Chomkot	434	246	680	13	8	5
Nagaur	Didwana	Barawara	286	150	436	13	9	4
Nagaur	Degana	Jawa Sisodiya	201	399	600	13	4	9
Nagaur	Merta	Karwasaron Ki Dhani	602	277	879	13	9	4
Nagaur*	Didwana	Barangana	581	561	1142	13	7	6
Pali	Rani	Vingarla	83	448	531	13	2	11
Pali	Marwar Junction	Musaliya	447	437	884	13	7	6
Pratapgarh	Dhariawad	Padla Burjon Ka	217	348	565	13	5	8
Pratapgarh	Peepalkhoont	Panthol	165	780	945	13	2	11
Rajsamand	Deogarh	Khuma Khera	293	203	496	13	8	5
Rajsamand	Railmagra	Khar Bamaniya	434	497	931	13	6	7
Sawai Madhopur	Sawai Madhopur	Kotalpura Maliyan	382	121	503	13	10	3
Sawai Madhopur	Sawai Madhopur	Phoosoda	957	275	1232	13	10	3
Sikar	Danta Ramgarh	Lami Ki Dhani	184	291	475	13	5	8
Sikar	DHOD	Kasli	1225	2024	3249	13	5	8
Sirohi	Pindwara	Khakarwara	432	244	676	13	8	5
Sirohi	Abu Road	Chandrawati	692	887	1579	13	6	7
Tonk	Todaraisingh	Lamba Kalan	290	206	496	13	8	5
Tonk*	Niwai	Kaririya	637	148	785	13	11	2
Udaipur	Salumbar	Khakhariya Kheri	234	122	356	13	9	4
Udaipur	Lasadiya	Badli Ka Chora	237	416	653	13	5	8
Udaipur	Rishabhdeo	Uplamandwa	197	493	690	13	4	9
Udaipur	Jhadol	Panarwa	64	656	720	13	1	12
Udaipur	Girwa	Kalodiya	656	72	728	13	12	1
		Total	40910	40866	81776	1170	586	585

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 82
Reserved Villages 8
Total Samples

1066
104
1170

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 50 + (Cattle + Buffalo) = 110

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.06

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 55

Total No of Animals to be Sampled = 712

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
East District	Pakyong	Losing	0	114	114	13	0	13
East District	Gangtok	Tirkutam	0	142	142	13	0	13
East District	Gangtok	Shotak	0	143	143	13	0	13
East District	Gangtok	Tathangchen	0	167	167	13	0	13
East District	Gangtok	DARAGOAN	0	176	176	13	0	13
East District	Gangtok	Lower Sichey II	0	180	180	13	0	13
East District	Pakyong	Tshalumthang	0	187	187	13	0	13
East District	Gangtok	Namgeything	0	202	202	13	0	13
East District	Pakyong	Dikling Pacheykhani	0	207	207	13	0	13
East District	Gangtok	Sakyong	0	211	211	13	0	13
East District	Gangtok	Budang Thangsing	0	226	226	13	0	13
East District	Gangtok	Rawatey Rumtek	0	258	258	13	0	13
East District	Gangtok	Shyagyong Rumtek	0	291	291	13	0	13
East District	Pakyong	Bering	0	332	332	13	0	13
East District	Pakyong	Changey Senti (Tsaney)	0	468	468	13	0	13
East District	Rongli	Chujachen	0	826	826	13	0	13
East District	Pakyong	Namcheybong	1	1220	1221	13	0	13
North District	Kabi	Tangyek	0	120	120	13	0	13
North District	Chungthang	Chungthang	0	122	122	13	0	13
North District	Mangan	Singhik Sentam	0	125	125	13	0	13
North District	Kabi	Tingda	0	143	143	13	0	13
North District	Dzongu	Gnon Sangdong	0	146	146	13	0	13
North District	Mangan	Singchit	0	178	178	13	0	13
South District	Ravong	Rabong Bazaar	0	63	63	12	0	12
South District	Namchi	Donak	0	65	65	12	0	12
South District	Yangang	Lingmo	1	99	100	13	0	13
South District	Namchi Municipal Council	LOWER GHURPISEY	0	109	109	13	0	13
South District	Namchi Municipal Council	DAMBUDARA	0	112	112	13	0	13
South District	Namchi	Singtam	0	130	130	13	0	13
South District	Namchi	Namprik	0	142	142	13	0	13
South District	Ravong	Lingding	0	147	147	13	0	13
South District	Namchi	Barul	0	150	150	13	0	13
South District	Namchi	Tokdey	0	155	155	13	0	13
South District	Namchi	Omchu	0	169	169	13	0	13
South District	Yangang	Pepthang	0	191	191	13	0	13
South District	Namchi	Tanak	0	205	205	13	0	13
South District	Namchi	Pabong (Gangchung)	0	265	265	13	0	13
South District	Jorethang	Sumbuk	0	304	304	13	0	13
South District	Namchi	Kamrang	0	327	327	13	0	13
South District	Ravong	Kewzing	11	339	350	13	0	13
South District	Namchi	Karek	1	425	426	13	0	13
South District	Namchi	Aifaltar	0	461	461	13	0	13
South District	Jorethang	Paiyong	0	793	793	13	0	13
West District	Gyalshing	TIKJUK	0	63	63	12	0	12
West District	Gyalshing	Kongri	0	145	145	13	0	13
West District	Yuksom	Khacheoperi	0	174	174	13	0	13

West District	Soreng	Hathidunga	0	194	194	13	0	13
West District	Gyalshing	Narkhola	0	194	194	13	0	13
West District	Dentam	Hee-Patal	1	198	199	13	0	13
West District	Soreng	Suldung	0	227	227	13	0	13
West District	Soreng	Rinchenpong	5	284	289	13	0	13
West District	Soreng	Samsing	2	362	364	13	0	13
West District	Soreng	Bara-Samdong	0	371	371	13	0	13
West District	Soreng	Ribdi	0	539	539	13	0	13
West District	Dentam	Radukhandu	16	684	700	13	0	13
		Total	38	14270	14308	712	0	712

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 13284

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.02

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 165(+18 Villages Reserved)

Total No of Animals to be Sampled = 2145

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Ariyalur	Jayamkondam	Rayampuram	0	2082	2082	13	0	13
Chennai	Chennai	Chennai (M Corp.) - Ward No.82	16	287	303	13	1	12
Chennai	Chennai	Chennai (M Corp.) - Ward No.186	861	194	1055	13	11	2
Coimbatore	Thirumalayampalayam	Thirumalayampalayam (TP) - Ward No.6	0	105	105	13	0	13
Coimbatore	Madukkarai	Madukkarai (TP) - Ward No.16	0	171	171	13	0	13
Coimbatore	Sulur	Appanaickenpatti	0	522	522	13	0	13
Coimbatore	Vettaikaranpudur	Vettaikaranpudur (TP) - Ward No.14	103	422	525	13	3	10
Coimbatore	Pollachi	Palayur	0	690	690	13	0	13
Coimbatore	Sulur	Paduvampalli	5	1165	1170	13	0	13
Coimbatore*	Annur	Masagoundenchettipalayam	0	1290	1290	13	0	13
Cuddalore	Nellikuppam	Nellikuppam (M) - Ward No.28	15	152	167	13	1	12
Cuddalore	Kurinjipadi	Buddampadi	156	96	252	13	8	5
Cuddalore	Kattumannarkoil	Vennaiyur	0	330	330	13	0	13
Cuddalore	Chidambaram	Kezhanuvampattu	3	446	449	13	0	13
Cuddalore	Kattumannarkoil	Muttam	0	457	457	13	0	13
Cuddalore	Parangipettai	Parangipettai (TP) - Ward No.15	0	479	479	13	0	13
Cuddalore	Cuddalore	Chellancheri	56	480	536	13	1	12
Cuddalore*	Virudhachalam	Kotteri	0	1261	1261	13	0	13
Dharmapuri	Pappireddipatti	Ajjampatty	0	390	390	13	0	13
Dharmapuri	Palacode	P.Settighalli	4	1236	1240	13	0	13
Dharmapuri	Palacode	Panjapalli	20	1666	1686	13	0	13
Dharmapuri	Pappireddipatti	Maniyabadi	41	1725	1766	13	0	13
Dindigul	Ayyalur	Ayyalur (TP) - Ward No.15	5	289	294	13	0	13
Dindigul	Vedasandur	Kaithian Kottai	57	469	526	13	1	12
Dindigul	Dindigul	Maranuthu	0	718	718	13	0	13
Dindigul	Vedasandur	Pudukottai (V)	112	818	930	13	2	11
Dindigul*	Oddanchatram	Puliyamarathukottai	112	2403	2515	13	1	12
Erode	Modakurichi	Modakurichi (TP) - Ward No.10	38	89	127	13	4	9
Erode	Avalpoondurai	Avalpoondurai (TP) - Ward No.4	45	132	177	13	3	10
Erode	Pethampalayam	Pethampalayam (TP) - Ward No.5	185	183	368	13	7	6
Erode	Periyakodiveri	Periyakodiveri (TP) - Ward No.6	59	455	514	13	1	12
Erode	Gobichettipalayam	Kanakampalayam	253	1138	1391	13	2	11
Erode	Sathyamangalam	Chikkarasampalayam	99	2380	2479	13	1	12
Erode	Sathyamangalam	Talavadi	55	2899	2954	13	0	13
Kanchipuram	Karunguzhi	Karunguzhi (TP) - Ward No.4	0	152	152	13	0	13
Kanchipuram	Kancheepuram	Ekanampettai	51	193	244	13	3	10
Kanchipuram	Uthiramerur	Agaramthuli	0	265	265	13	0	13
Kanchipuram	Maduranthakam	Vinayaganallur	0	307	307	13	0	13
Kanchipuram	Maduranthakam	Thozhuppedu	0	394	394	13	0	13
Kanchipuram	Maduranthakam	Erumbedu	116	348	464	13	3	10
Kanchipuram	Kancheepuram	Padunelli	0	569	569	13	0	13
Kanchipuram*	Uthiramerur	Peranakkavur	14	640	654	13	0	13
Kanchipuram	Chengalpattu	Kumizhi	93	598	691	13	2	11
Kanchipuram	Chengalpattu	Kayarambedu	277	1558	1835	13	2	11
Kanniyakumari	Vilavancode	Malayadi (Ct)	4	118	122	13	0	13
Kanniyakumari	Kallukuttam	Kallukuttam (TP) - Ward No.7	0	169	169	13	0	13

Kanniyakumari	Thovala	Thekkumalai West	0	176	176	13	0	13
Kanniyakumari	Anjugrammam	Anjugrammam (TP) - Ward No.14	23	162	185	13	2	11
Kanniyakumari	Vilavancode	Maruthancode (Ct)	8	244	252	13	0	13
Kanniyakumari	Vilavancode	Mullankinan vilai	0	290	290	13	0	13
Kanniyakumari*	Agastheeswaram	Suchindrum	12	322	334	13	0	13
Karur	Aravakurichi	Pungambadi(West)	297	658	955	13	4	9
Karur	Aravakurichi	Venjamangudalur(West)	60	1068	1128	13	1	12
Krishnagiri	Hosur	Pathamuthali	0	207	207	13	0	13
Krishnagiri	Krishnagiri	Neralagiri	0	544	544	13	0	13
Krishnagiri	Krishnagiri	Polupalli	11	614	625	13	0	13
Krishnagiri	Krishnagiri	Palepalle	5	1500	1505	13	0	13
Krishnagiri	Denkanikottai	Nellur	2	1541	1543	13	0	13
Madurai	Peraiyur	Jari Usilampatti	0	102	102	13	0	13
Madurai	Melur	Tiruchhunai	0	231	231	13	0	13
Madurai	Elumalai	Elumalai (TP) - Ward No.5	0	261	261	13	0	13
Madurai	Thirumangalam	Maruthangudi	0	484	484	13	0	13
Madurai	Madurai South	Thenpalanji	0	700	700	13	0	13
Madurai*	Thirumangalam	Kurayur	0	1353	1353	13	0	13
Nagapattinam	Kivelur	105-Maanalur	0	250	250	13	0	13
Nagapattinam	Sirkali	Perunthottam I	0	429	429	13	0	13
Nagapattinam	Nagapattinam	Vadavoor	115	362	477	13	3	10
Nagapattinam	Kivelur	Agarakadambanur	1	629	630	13	0	13
Nagapattinam	Sirkali	Mahendrapalli	0	1755	1755	13	0	13
Namakkal	Pothanur	Pothanur (TP) - Ward No.4	44	89	133	13	4	9
Namakkal	Paramathi-Velur	Madagasampatty	98	306	404	13	3	10
Namakkal	Rasipuram	Thoppapatti	118	730	848	13	2	11
Namakkal	Tiruchengode	Pallipalayam Agraharam	212	658	870	13	3	10
Namakkal	Paramathi-Velur	Kolaram	39	880	919	13	1	12
Namakkal*	Rasipuram	Muthukalipatti	87	1412	1499	13	1	12
Perambalur	Veppanthattai	Kariyanur	2	740	742	13	0	13
Perambalur	Alathur	Irur	0	1444	1444	13	0	13
Pudukkottai	Manamelkudi	Seyyanam	0	160	160	13	0	13
Pudukkottai	Gandarvakkottai	Manjapettai	0	308	308	13	0	13
Pudukkottai	Thirumayam	Sengirai	3	527	530	13	0	13
Pudukkottai	Gandarvakkottai	Mudukulam	0	628	628	13	0	13
Pudukkottai*	Karambakudi	Pattathikadu	82	655	737	13	1	12
Pudukkottai	Avudayarkoil	Puduvakkadu	20	853	873	13	0	13
Ramanathapuram	Tiruvadana	Pandugudi	0	169	169	13	0	13
Ramanathapuram	Paramakudi	Sirakikottai	0	322	322	13	0	13
Ramanathapuram	Ramanathapuram	Kalimankundu	0	369	369	13	0	13
Ramanathapuram	Tiruvadana	Kavvur	0	415	415	13	0	13
Salem	P.N.Patti	P.N.Patti (TP) - Ward No.11	50	156	206	13	3	10
Salem	Attur	Jarikothebadi	6	280	286	13	0	13
Salem	Attur	Attavanai Kothambadi	16	537	553	13	0	13
Salem	Salem	Perumagoundampatti (Ct)	56	591	647	13	1	12
Salem	Omalar	Mailapalayam	220	563	783	13	4	9
Salem	Valapadi	Masinaickenpatty (Ct)	29	1121	1150	13	0	13
Salem	Edappadi	Kachchippalli	418	2001	2419	13	2	11
Salem*	Attur	Ramanayakkampalaya m	49	5729	5778	13	0	13
Sivaganga	Manamadurai	Kalpiravu	0	241	241	13	0	13
Sivaganga	Devakottai	N. Manakudi	19	351	370	13	1	12
Sivaganga	Tirupathur	Warappur	0	472	472	13	0	13
Sivaganga	Ilayangudi	Melayur	0	1052	1052	13	0	13

Sivaganga*	Karaikkudi	Aranmanaisiruvayal	0	1169	1169	13	0	13
Thanjavur	Peravurani	Sendalaivayal	0	197	197	13	0	13
Thanjavur	Budalur	Thondarayanpadi	0	283	283	13	0	13
Thanjavur	Peravurani	Ammayandi	0	341	341	13	0	13
Thanjavur	Papanasam	Senbugapuram	0	498	498	13	0	13
Thanjavur	Kumbakonam	Valapuram	10	512	522	13	0	13
Thanjavur	Papanasam	Alavandipuram	0	564	564	13	0	13
Thanjavur	Thanjavur	Thanjavur (M) - Ward No.1	10	720	730	13	0	13
Thanjavur*	Thanjavur	Nanjikottai Vallundanoattu	0	944	944	13	0	13
The Nilgiris	Kundah	Mulligoor	17	212	229	13	1	12
The Nilgiris	Kundah	Ithalar	106	341	447	13	3	10
Theni	Ganguvarpatti	Ganguvarpatti (TP) - Ward No.14	0	291	291	13	0	13
Theni	Andipatti	G. Usilampatti	0	441	441	13	0	13
Theni	Bodinayakanur	Rasingapuram	0	816	816	13	0	13
Theni	Bodinayakanur	Uppukottai	0	1294	1294	13	0	13
Thiruvallur*	Avadi	Avadi (M) - Ward No.29	39	134	173	13	3	10
Thiruvallur	Tiruvallur	Thiruvallur (M) - Ward No.12	48	218	266	13	2	11
Thiruvallur	Arani	Arani (TP) - Ward No.5	0	461	461	13	0	13
Thiruvallur	Poonamallee	Kattupakkam (Ct)	137	344	481	13	4	9
Thiruvallur	Ponneri	Athipattu (Ct)	343	530	873	13	5	8
Thiruvallur	Tiruvallur	Thiruvallur (M) - Ward No.17	105	827	932	13	1	12
Thiruvallur	Valangaiman	Therkkupattam	0	218	218	13	0	13
Thiruvallur	*Thiruvallur	Adiyakkamangalam	0	281	281	13	0	13
Thiruvallur	Kodavasal	Engan	5	320	325	13	0	13
Thiruvallur	Thiruthuraiipoondi	Keerakkalur	0	424	424	13	0	13
Thiruvallur	Valangaiman	Govindakudi	0	552	552	13	0	13
Tiruchirappalli	Srirangam	Perugamani	0	378	378	13	0	13
Tiruchirappalli*	Thottiyam	Arasalur	41	452	493	13	1	12
Tiruchirappalli	Manachanallur	Siruganur	0	654	654	13	0	13
Tiruchirappalli	Musiri	Kargudi	39	784	823	13	1	12
Tiruchirappalli	Manapparai	Karumalai	0	887	887	13	0	13
Tirunelveli	Tirunelveli	Thulukkarpatti	0	106	106	13	0	13
Tirunelveli	Kadayanallur	Malayadikkurichi	11	198	209	13	1	12
Tirunelveli	Gopalamudram	Gopalamudram (TP) - Ward No.6	0	313	313	13	0	13
Tirunelveli	Tirunelveli	Vallankottai	0	340	340	13	0	13
Tirunelveli	Thirukarungudi	Thirukarungudi (TP) - Ward No.12	38	400	438	13	1	12
Tirunelveli*	Sankarankoil	Pandappuli	39	587	626	13	1	12
Tirunelveli	Nanguneri	Therku Nanguneri	0	936	936	13	0	13
Tirunelveli	Tenkasi	Kulasekarapatti	68	2015	2083	13	0	13
Tiruppur	Kangeyam	Vattamalai	0	454	454	13	0	13
Tiruppur	Udumalaipettai	Kurichikottai	0	591	591	13	0	13
Tiruppur	Madathukulam	Somavarapatti	0	619	619	13	0	13
Tiruppur	Avanashi	Muriandampalayam	8	1040	1048	13	0	13
Tiruppur*	Madathukulam	Anikkadavu	0	1801	1801	13	0	13
Tiruvannamalai	Vandavasi	Urgudi	0	149	149	13	0	13
Tiruvannamalai	Tiruvannamalai	Kilkachirapattu	0	442	442	13	0	13
Tiruvannamalai	Polur	Kanamalai	0	742	742	13	0	13
Tiruvannamalai	Cheyyar	Sumangali	78	671	749	13	1	12
Tiruvannamalai	Polur	Gudalore	0	785	785	13	0	13
Tiruvannamalai	Polur	Vaziur	0	805	805	13	0	13
Tiruvannamalai	Tiruvannamalai	Chellankuppam	0	901	901	13	0	13
Tiruvannamalai	Chengam	Kanji	0	1739	1739	13	0	13
Tuticorin	Ottapidaram	Jagaveerandiapuram	0	122	122	13	0	13

Tuticorin	Srivaikuntam	Kilpidagai Kasba	0	149	149	13	0	13
Tuticorin	Ottapidaram	Parivallikkottai	0	300	300	13	0	13
Tuticorin	Sathankulam	Kattarimangalam	0	332	332	13	0	13
Tuticorin	Srivaikuntam	Vitthalapuram	0	417	417	13	0	13
Tuticorin	Ettayapuram	Semmaputhur	0	617	617	13	0	13
Vellore*	Arcot	Arcot (M) - Ward No.1	14	203	217	13	1	12
Vellore	Wallajah	Thiruparkadal	2	227	229	13	0	13
Vellore	Arakonam	Dharmaneedhi	0	252	252	13	0	13
Vellore	Arakonam	Sirukurambur	0	648	648	13	0	13
Vellore	Tirupathur	Pachchal (Ct)	0	679	679	13	0	13
Vellore	Arakonam	Velianallur	0	684	684	13	0	13
Vellore	Arakonam	Pinnavaram	0	919	919	13	0	13
Vellore	Vellore	Varadalampattu	9	975	984	13	0	13
Vellore	Tirupathur	Velakalnatham	5	1046	1051	13	0	13
Vellore	Tirupathur	Mandalavadi	0	1435	1435	13	0	13
Villupuram*	Gingee	Torappadi	0	243	243	13	0	13
Villupuram	Gingee	Vadavanur	0	315	315	13	0	13
Villupuram	Gingee	Anilady	0	411	411	13	0	13
Villupuram	Viluppuram	Esalam	0	424	424	13	0	13
Villupuram	Tirukkoyilur	Komalur	0	566	566	13	0	13
Villupuram	Tindivanam	Avayakuppam	0	676	676	13	0	13
Villupuram	Ulundurpettai	Perangiyur	0	871	871	13	0	13
Villupuram	Kallakkurichi	Sathanur (P)	160	953	1113	13	2	11
Villupuram	Kallakkurichi	Ammaiyagaram	1	1348	1349	13	0	13
Villupuram	Tindivanam	Peramandur	0	1573	1573	13	0	13
Virudhunagar	Rajapalayam	Rajapalayam (M) - Ward No.20	0	107	107	13	0	13
Virudhunagar*	Sundarapandiam	Sundarapandiam (TP) - Ward No.10	0	225	225	13	0	13
Virudhunagar	Aruppukkottai	Kattangudi	0	284	284	13	0	13
Virudhunagar	Mamsapuram	Mamsapuram (TP) - Ward No.16	0	360	360	13	0	13
Virudhunagar	Tiruchuli	Eluvani	0	479	479	13	0	13
Virudhunagar	Sattur	Melamadai	120	798	918	13	2	11
		Total	6410	120930	127340	2379	123	2256

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
h: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 165
Reserved Villages 18
Total Samples

2145
234
2379

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 6553

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.03

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 110(+9 Villages Reserved)

Total No of Animals to be Sampled = 1430

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Adilabad	Gadiguda	Sedwai	0	756	756	13	0	13
Adilabad	Talamadugu	Ruyyadi	239	547	786	13	4	9
Adilabad	Jainad	Pendalwada	144	838	982	13	2	11
Adilabad	Inderavelly	Dhannura (B)	1196	1607	2803	13	6	7
BHADRADRI KOTHAGUDEM	Cherla	Vaddipet (Z)	0	619	619	13	0	13
BHADRADRI KOTHAGUDEM	Yellandu	Mamidigundala	103	955	1058	13	1	12
BHADRADRI KOTHAGUDEM	Chandrugonda	Maddukuru	616	728	1344	13	6	7
BHADRADRI KOTHAGUDEM	Chandrugonda	Thungaram	682	781	1463	13	6	7
BHADRADRI KOTHAGUDEM	PALWANCHA	Palwancha (M) - Ward No.23	1109	692	1801	13	8	5
Hyderabad	Nampally	GHMC Ward-50: Begumbazar	119	188	307	13	5	8
Hyderabad*	Bahadurpura	GHMC Ward-53: Doodh Bowli	1334	103	1437	13	12	1
Jagitial	Jagtial	Jagtial Ward No 38	372	100	472	13	10	3
Jagitial	Velgatoor	Ambaripeta	462	251	713	13	8	5
JANGOAN	Ghanpur (Station)	Chagal	444	607	1051	13	5	8
JANGOAN	Devaruppula	Peddamadur	799	1189	1988	13	5	8
JAYASHANKAR BHUPALAPALLY	Mahadevpur	Puskupalle	194	138	332	13	8	5
JAYASHANKAR BHUPALAPALLY	Venkatapuram	Morram Vanigudem [G]	134	553	687	13	3	10
JAYASHANKAR BHUPALAPALLY	Wazeed	Koppusuru	95	643	738	13	2	11
JAYASHANKAR BHUPALAPALLY	Venkatapur	Adavirangapur	1051	528	1579	13	9	4
JAYASHANKAR BHUPALAPALLY	Wazeed	Krishnapuram (G)	253	2468	2721	13	1	12
JOGULAMBA GADWAL	Itikyal	Saterla	158	366	524	13	4	9
JOGULAMBA GADWAL	Manopad	Korvipadu	646	571	1217	13	7	6
KAMAREDDY	Lingampet	Jaldipalle	216	117	333	13	8	5
KAMAREDDY	Pedda Kodaggal	Jagannathapalle	241	380	621	13	5	8
KAMAREDDY*	Banswada	Someshwar	311	412	723	13	6	7
KAMAREDDY	Machareddy	Devunipalle	946	92	1038	13	12	1
KAMAREDDY	Kamareddy	Kyasampalle	1035	169	1204	13	11	2
Karimnagar	Manakondur	Edulagattepalle	472	280	752	13	8	5
Karimnagar	Manakondur	Manakondur	1552	660	2212	13	9	4
Khammam	Enkuru	Nukulampadu	490	212	702	13	9	4
Khammam	Thirumalayapalem	Sublaid	476	697	1173	13	5	8
Khammam	Nelakondapalle	Bodulabanda	1401	155	1556	13	12	1
Khammam	Thirumalayapalem	Kakarvai	579	1042	1621	13	5	8
Khammam*	Mudigonda	Banapuram	1346	454	1800	13	10	3
KUMURAM BHEEM ASIFABAD	Rebbana	Passigaon	41	329	370	13	1	12
KUMURAM BHEEM ASIFABAD	Wankdi	Sarandi	8	611	619	13	0	13
KUMURAM BHEEM ASIFABAD	Wankdi	Bambara	253	1270	1523	13	2	11
KUMURAM BHEEM ASIFABAD	Kouthala	Mogadagad	194	1741	1935	13	1	12
MAHABUBABAD	Kesamudram	Tallapoozapalle	450	648	1098	13	5	8
MAHABUBABAD	Kuravi	Seerole	986	838	1824	13	7	6
Mahbubnagar	Balanagar	Lingaram	17	182	199	13	1	12
Mahbubnagar	Jadcherla	Kistampally	267	69	336	13	10	3
Mahbubnagar	RAJAPUR	Chennavalli	183	382	565	13	4	9
Mahbubnagar	MAHABUBNAGAR_RURAL	Kotakadira	395	220	615	13	8	5
Mahbubnagar	RAJAPUR	Rangareddiguda	239	549	788	13	4	9
Mahbubnagar	Jadcherla	Uddandapur	398	432	830	13	6	7

MANCHERIAL	Dandepalle	Nagasamudram	192	145	337	13	7	6
MANCHERIAL	Vemanpalle	Baddampalle	184	423	607	13	4	9
MANCHERIAL	Bellampalle	Chandravelli	703	844	1547	13	6	7
MANCHERIAL	Dandepalle	Tallapet	958	2413	3371	13	4	9
Medak	Chegunta	Pulamamidi	396	58	454	13	11	2
Medak	Papannapet	Gandharpalle	765	57	822	13	12	1
Medak	Ramayampet	Rayalapur	905	55	960	13	12	1
Medak*	Chegunta	Chandaipet	593	386	979	13	8	5
MEDCHAL MALKAJIRI	Alwal	GHMC Ward-135: Venkatapuram	369	176	545	13	9	4
MEDCHAL MALKAJIRI	Keesara	Nagaram (Ct)	907	490	1397	13	8	5
NAGARKURNOOL	Veldanda	Yerravalli	67	384	451	13	2	11
NAGARKURNOOL	Amrabad	Vatwarlapalle (Ct)	67	974	1041	13	1	12
NAGARKURNOOL	Balmoor	Polesetipalle	829	960	1789	13	6	7
NAGARKURNOOL	Achampet	Puljala	1059	988	2047	13	7	6
Nalgonda	Devarakonda	Devarakonda (CT) - Ward No.15	122	0	122	13	13	0
Nalgonda	Munugode	Pulipalpala	176	320	496	13	5	8
Nalgonda	Kangal	Bommepalle	369	321	690	13	7	6
Nalgonda	Gurrampode	Tenepalle	192	499	691	13	4	9
Nalgonda	Chityala	Talla Yellemla	626	367	993	13	8	5
Nalgonda*	Kangal	M.Gowraram	1024	376	1400	13	10	3
Nalgonda	Gundla Palle	Towklapur	872	857	1729	13	7	6
Nalgonda	Tirumalagiri Sagar	Chintalapalem	1070	1386	2456	13	6	7
Nirmal	Tanoor	Boregaon (Khurd)	38	286	324	13	2	11
Nirmal	Kubeer	Jamgaon	102	470	572	13	2	11
Nirmal	Bhainsa	Kumsari	261	461	722	13	5	8
Nirmal	Khanapur	Maskapur	768	517	1285	13	8	5
Nirmal	Kaddam (Peddur)	Maddipadga	748	909	1657	13	6	7
Nizamabad	Bodhan	Pegadpalle	442	85	527	13	11	2
Nizamabad	Dichpalle	Narsingapoor	535	71	606	13	11	2
Nizamabad	Kotgiri	Hegdoli	402	238	640	13	8	5
Nizamabad	Bheemgal	Bheemgal	725	313	1038	13	9	4
Nizamabad*	Nandipet	C.H.Kondoor	587	643	1230	13	6	7
PEDDAPALLI	Ramagiri	Budhavarampeta @ Ramaiahpalle	491	140	631	13	10	3
PEDDAPALLI	Palakurthy	Palakurthy (Ct)	972	624	1596	13	8	5
RAJANNA SIRCILLA	Ellanthakunta	Jawaharpet	310	277	587	13	7	6
RAJANNA SIRCILLA	Konaraopeta	Nimmampalle	434	505	939	13	6	7
Rangareddi	Abdullapurmet	Piglipur	162	25	187	13	11	2
Rangareddi	Keshampet	Eklaskhanpeta	37	362	399	13	1	12
Rangareddi	Shabad	Manmarri	76	495	571	13	2	11
Rangareddi	Abdullapurmet	Mazidpur	637	148	785	13	11	2
Rangareddi	Keshampet	Keshampet	351	694	1045	13	4	9
Rangareddi*	Yacharam	Tulekhurd	657	822	1479	13	6	7
SANGAREDDY	Nyalkal	Chalki	70	141	211	13	4	9
SANGAREDDY	Hathnoora	Panyal	107	153	260	13	5	8
SANGAREDDY	Sadasivpet	Kolkur	199	220	419	13	6	7
SANGAREDDY	Kohir	Maniyarpalle	150	355	505	13	4	9
SANGAREDDY	Zahirabad	Buchneli (Part)	250	364	614	13	5	8
SANGAREDDY	Gummadidala	Annaram (Ct)	615	119	734	13	11	2
SANGAREDDY	Sirgapor	Ujjalampahad	533	1021	1554	13	4	9
SIDDIPET	Gajwel	Singatam	206	228	434	13	6	7
SIDDIPET	Gajwel	Kolgur	348	353	701	13	6	7
SIDDIPET	Wargal	Wargal	1258	419	1677	13	10	3
SIDDIPET	Husnabad	Potharam (S)	973	1092	2065	13	6	7

SURYAPET	Thirumalgiri	Jalal Puram	276	277	553	13	6	7
SURYAPET	Chivvemla	Pachyanayak Thanda	333	645	978	13	4	9
SURYAPET	Thungathurthi	Manapur	250	805	1055	13	3	10
SURYAPET	Mothey	Hussainabad	482	853	1335	13	5	8
SURYAPET*	Garide Palle	Kalmala Chervu	2210	121	2331	13	12	1
VIKARABAD	Peddemul	Mansampalle	173	90	263	13	9	4
VIKARABAD	Tandur	Mittabachpalle	74	479	553	13	2	11
VIKARABAD	Basheerabad	Inderched	110	494	604	13	2	11
VIKARABAD	Kodangal	Parsapur	202	537	739	13	4	9
VIKARABAD	Peddemul	Regondi	777	682	1459	13	7	6
WANAPARTHY	Wanaparthi	Srinivaspur	356	203	559	13	8	5
WANAPARTHY	Veepangandla	Sanginepalle	395	471	866	13	6	7
Warangal Rural	Geesugonda	Geesugonda	665	277	942	13	9	4
Warangal Rural	Raiparthi	Sannur	773	608	1381	13	7	6
WARANGAL URBAN	Warangal	Warangal (GWMC) - Ward No.53	753	146	899	13	11	2
WARANGAL URBAN*	Hasanparthy	Siddhapoor	1168	599	1767	13	9	4
YADADRI BHUVANAGIRI	Bibinagar	Maqdoom Palle	302	208	510	13	8	5
YADADRI BHUVANAGIRI	Valigonda	Arrur	502	150	652	13	10	3
YADADRI BHUVANAGIRI	Alair	Gundlagudem	763	239	1002	13	10	3
YADADRI BHUVANAGIRI	Addaguduru	Singaram (P)	791	494	1285	13	8	5
		Total	59890	60576	120466	1547	759	788

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g : Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 110
Reserved Villages 9
Total Samples

1430
117
1547

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 712

Design level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.04

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 82(+3 Villages Reserved)

Total No of Animals to be Sampled = 1066

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Dhalai	Ambassa	Paschim Balaram	0	225	225	13	0	13
Dhalai	Durga Chowmuhani	Shibbari	0	273	273	13	0	13
Dhalai	Ganganagar	Karnamanipara	0	437	437	13	0	13
Dhalai	Ambassa	Gurudhanpara	0	463	463	13	0	13
Dhalai	Chawmanu	Uttar Longtarai	0	474	474	13	0	13
Dhalai	Dumburnagar	Uttar Gandacherra	0	607	607	13	0	13
Dhalai	Manu	Dakshin Dhumachhara	5	722	727	13	0	13
Dhalai	Manu	Deo Valley Reserve Forest	0	764	764	13	0	13
Dhalai	Durga Chowmuhani	Debichhara	15	843	858	13	0	13
Dhalai	Raishyabari	Thakurchhara	160	996	1156	13	2	11
Dhalai	Durga Chowmuhani	Durai Shibbari	5	1157	1162	13	0	13
Gomati	Ompi	Dakshin Ompi	0	205	205	13	0	13
Gomati	Ompi	Gamaichhara	23	328	351	13	1	12
Gomati	Amarpur	Purba Rangamati	0	387	387	13	0	13
Gomati	Ompi	Ampinagar	0	518	518	13	0	13
Gomati	Amarpur	Bhomrachara	70	487	557	13	2	11
Gomati	Killa	Kowaimura	0	570	570	13	0	13
Gomati	Karbook	Purba Karbuk	0	611	611	13	0	13
Gomati	Ompi	Chenchua	53	775	828	13	1	12
Gomati	Matarbari	Purba Dakshin Maharani	26	856	882	13	0	13
Gomati	Killa	Raiabari	0	1333	1333	13	0	13
Gomati	Kakraban	Purba Palatana	0	1542	1542	13	0	13
Gomati*	Kakraban	Dudhpushkarini	0	2256	2256	13	0	13
Khowai	Mungiakami	Ramkrishnapur	0	238	238	13	0	13
Khowai	Tulashikhar	Bidyabil	0	305	305	13	0	13
Khowai	Mungiakami	Dakshin Maharaniapur	0	361	361	13	0	13
Khowai	Mungiakami	Maharaniapur	0	434	434	13	0	13
Khowai	Tulashikhar	Paschim Karangichhara	0	453	453	13	0	13
Khowai	Kalyanpur	Nakshirai Debbarma	1	501	502	13	0	13
Khowai	Tulashikhar	Badlabari	0	628	628	13	0	13
Khowai	Khowai	Paschim Singhichhara	0	657	657	13	0	13
Khowai	Kalyanpur	Kalyanpur	0	835	835	13	0	13
Khowai	Khowai	Purba Ramchandraghat	0	2521	2521	13	0	13
North Tripura	Jubarajnar	Zaithang	0	211	211	13	0	13
North Tripura	Panisagar	Chandraharam para	0	302	302	13	0	13
North Tripura	Kalacherra	Sakaibari	50	370	420	13	2	11
North Tripura	Dasda	Dakshin Dasda	0	473	473	13	0	13
North Tripura	Dasda	Daincherra	0	589	589	13	0	13
North Tripura	Kalacherra	South Hurua	4	630	634	13	0	13
North Tripura	Kadamtala	Kurti	38	730	768	13	1	12
North Tripura	Lajuri	Ujan Machmara	0	811	811	13	0	13
North Tripura	Kalacherra	Nadiapur Sanicherra	22	872	894	13	0	13
North Tripura	Kalacherra	East Hurua	1	996	997	13	0	13
Sepahijala	Charilam	Dhariathal	0	181	181	13	0	13
Sepahijala	Mohanbhog	Baniachara	0	573	573	13	0	13
Sepahijala	Jampujala	Hirapur	0	605	605	13	0	13

Sepahijala	Nalchar	Dakshin Nalchar	1	644	645	13	0	13
Sepahijala	Kathalia	Jagatrapur	0	659	659	13	0	13
Sepahijala	Boxanagar	Kulubari	0	731	731	13	0	13
Sepahijala	Boxanagar	Dakshin Kalamchora	0	833	833	13	0	13
Sepahijala	Boxanagar	Kalsimura	0	855	855	13	0	13
Sepahijala	Bishalgarh	Laxmibil	0	859	859	13	0	13
Sepahijala	Mohanbhog	Urmai	0	1033	1033	13	0	13
Sepahijala	Boxanagar	Bagber	2	1245	1247	13	0	13
Sepahijala	Boxanagar	Manikyanagar	0	2737	2737	13	0	13
South Tripura	Satchand	Damdama	0	269	269	13	0	13
South Tripura	Satchand	Uttar Bhuratali	0	468	468	13	0	13
South Tripura	Hrishyamukh	Baspadua	0	532	532	13	0	13
South Tripura	Rupaichhari	Baishnabpur	0	646	646	13	0	13
South Tripura	Bharat Chandra Nagar	East Pipariakhola	0	782	782	13	0	13
South Tripura	Bokafa	Sulthung Manu	0	836	836	13	0	13
South Tripura	Hrishyamukh	Dakshin Matai	0	918	918	13	0	13
South Tripura	Bokafa	Laxmichhara	0	1052	1052	13	0	13
South Tripura	Bokafa	Dakshin Takmachhara	0	1183	1183	13	0	13
South Tripura*	Rajnagar	Uttar Srirampur	0	1958	1958	13	0	13
Unakoti	Pencharthal	Pencharthal	0	219	219	13	0	13
Unakoti	Gournagar	Dhaliarkandi	0	451	451	13	0	13
Unakoti	Gournagar	Latiapura	24	470	494	13	1	12
Unakoti	Kumarghat	Purba Kanchanbari	23	673	696	13	0	13
Unakoti	Chandipur	Bilashpur	428	881	1309	13	4	9
Unakoti	Kumarghat	Paschim Ratachhara	6	1824	1830	13	0	13
West Tripura	Jirania	Kaiyachandbari	0	145	145	13	0	13
West Tripura	Old Agartala	Dhupchhara	0	291	291	13	0	13
West Tripura	Lefunga	Uttar Bodhjungle	2	294	296	13	0	13
West Tripura	Mandai	Thaiplokphang	0	315	315	13	0	13
West Tripura	Hezamara	Paschim Tamakari	0	328	328	13	0	13
West Tripura	Hezamara	Baluaban	0	353	353	13	0	13
West Tripura	Mohanpur	Paschim Kamalghat	0	404	404	13	0	13
West Tripura	Mohanpur	Fatikcherra	0	440	440	13	0	13
West Tripura	Agartala Municipal Corporation	Ward No.47	0	477	477	13	0	13
West Tripura	Belbari	Rasa Dasarathnagar	0	524	524	13	0	13
West Tripura*	Dukli	Kanchanmala	2	579	581	13	0	13
West Tripura	Old Agartala	Debram Thakur	0	631	631	13	0	13
West Tripura	Old Agartala	Paschim Noagaon	0	646	646	13	0	13
West Tripura	Jirania	Uttar Majlishpur	0	707	707	13	0	13
		Total	961	59997	60958	1105	14	1091

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
h: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 82
Reserved Villages 3
Total Samples

1066
39
1105

Download The Result Generated on 12/12/2023 02:10:32pm
FMD/SEROMON/NIVEDI/ROUND-V/Uttar Pradesh_33/2023
Two Stage Stratified Random Sampling:
Species Selected for Stratification = Cattle + Buffalo
Number of Villages Having 100 + (Cattle + Buffalo) = 55358
Design level Prevalence (% of unprotected) = 0.2
Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.02
Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 165(+14 Villages Reserved)
Total No of Animals to be Sampled = 2145

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Agra	Fatehabad	Kurra Chitterpur	1206	898	2104	13	7	6
Aligarh	Khair	Nagaliya Sopha	558	411	969	13	7	6
Aligarh	Koil	Bhinoli	1877	773	2650	13	9	4
Allahabad	Handia	Pure Mathuradas	192	130	322	13	8	5
Allahabad	Handia	Awasanpur	203	288	491	13	5	8
Allahabad	Phulpur	Jamba	353	173	526	13	9	4
Allahabad	Meja	Kohrar	2003	2272	4275	13	6	7
Allahabad*	Meja	Pura Lachchan	4608	1188	5796	13	10	3
Ambedkar Nagar	Akbarpur	Davakhar Param Raduaen	324	77	401	13	11	2
Ambedkar Nagar	Bhiti	Van Gaon	341	520	861	13	5	8
Amethi	Musafirkhana	Kasthuni Paschim	200	316	516	13	5	8
Amethi	Gauriganj	Goriya Bad	621	282	903	13	9	4
Amroha	Dhanaura	Toniya Mafi	482	244	726	13	9	4
Amroha	Hasanpur	Sehaliya	936	166	1102	13	11	2
Auraiya	Auraiya	Sanpher	378	154	532	13	9	4
Auraiya*	Auraiya	Sondhemau	946	325	1271	13	10	3
Azamgarh	Phulpur	Bhedia	81	66	147	13	7	6
Azamgarh	Burhanpur	Bilari Lakhanpur	87	124	211	13	5	8
Azamgarh	Azamgarh	Badora Khurd	135	180	315	13	6	7
Azamgarh	Phulpur	Bahira Par	250	115	365	13	9	4
Azamgarh	Nizamabad	Lakhmanpurpatti Badalrai	227	218	445	13	7	6
Azamgarh	Sagri	Dewara Khasraja	1152	601	1753	13	9	4
Baghpat	Baraut	Milana	655	188	843	13	10	3
Bahraich	Kaiserganj	Jotaura	255	285	540	13	6	7
Bahraich	Mahasi	Mahsi	994	1527	2521	13	5	8
Ballia	Sikanderpur	Jagdishpur Ranipar	133	58	191	13	9	4
Ballia	Rasra	Purkhupur	282	160	442	13	8	5
Ballia	Ballia	Bharatpur Chaubey	278	477	755	13	5	8
Ballia*	Ballia	Rampur Chit	367	944	1311	13	4	9
Balrampur	Utraula	Takhtarwa	318	166	484	13	9	4
Balrampur	Balrampur	Ambar Nagar	342	593	935	13	5	8
Banda	Banda	Teiveni	746	267	1013	13	10	3
Banda	Atarra	Siklodhi	595	726	1321	13	6	7
Barabanki	Fatehpur	Rariya	365	204	569	13	8	5
Barabanki	Fatehpur	Bajgahami	547	447	994	13	7	6
Bareilly	Bareilly	Dohna Pitam Rai	214	66	280	13	10	3
Bareilly	Faridpur	Angadpur Khamria	369	121	490	13	10	3
Bareilly	Aonla	Bari Khera	574	133	707	13	11	2
Bareilly*	Bareilly	Kareli (Ct)	1069	558	1627	13	9	4
Basti	Rudhali	Pakrijai	92	42	134	13	9	4
Basti	Harraiya	Labdahiya	211	3	214	13	13	0
Basti	Basti	Kuriyar Khas	151	93	244	13	8	5
Basti	Basti	Mehdouna	251	101	352	13	9	4
Basti	Harraiya	Misrauliya Dhis	374	7	381	13	13	0
Bijnor	Bijnor	Mohammadpur Mandawali	220	130	350	13	8	5
Bijnor	Dhampur	Matoradarga	228	211	439	13	7	6

Bijnor	Bijnor	Ratanpur Ria I A	214	239	453	13	6	7
Bijnor	Nagina	Maharatpur Kala	775	311	1086	13	9	4
Bijnor	Dhampur	Mohammadpur Rajaouri	837	1217	2054	13	5	8
Budaun	Budaun	Vilhat	601	273	874	13	9	4
Budaun	Dataganj	Biriadanda Chandpura	1335	48	1383	13	13	0
Bulandshahr	Bulandshahr	Ismila	560	469	1029	13	7	6
Bulandshahr	Siana	Amargarh	2231	451	2682	13	11	2
Chandauli	Chakia	Lachhtminpur	128	364	492	13	3	10
Chandauli	Chakia	Utraut	174	735	909	13	2	11
Chitrakoot	Manikpur	Achur Nerua	130	682	812	13	2	11
Deoria	Salempur	Babhanuli Pandey	37	140	177	13	3	10
Deoria	Salempur	Sahjour	84	180	264	13	4	9
Deoria	Bhatpar Rani	Baraipar Pandey	170	288	458	13	5	8
Deoria*	Barhaj	Badya Fulwaria	172	358	530	13	4	9
Etah	Etah	Nagalakhlyali	643	27	670	13	12	1
Etah	Etah	Horchhi	1600	254	1854	13	11	2
Etawah	Saifai	Lachwai	411	94	505	13	11	2
Etawah	Saifai	Ramet	791	167	958	13	11	2
Faizabad	Milkipur	Marui Ganeshpur	212	383	595	13	5	8
Faizabad	Faizabad	Ranopali	723	83	806	13	12	1
Farrukhabad	Amritpur	Emadpur Pamaran	446	92	538	13	11	2
Farrukhabad	Farrukhabad	Kanhaiyaqub Pur	1359	113	1472	13	12	1
Fatehpur	Fatehpur	Budhramaw	343	214	557	13	8	5
Fatehpur	Fatehpur	Ramnagar Kauhan	406	353	759	13	7	6
Firozabad	Shikohabad	Kalyanpur Angadpur	719	280	999	13	9	4
Firozabad*	Shikohabad	Aronj	1816	751	2567	13	9	4
Gautam Buddha Nagar	Dadri	Nagli Vazid Pur	621	388	1009	13	8	5
Ghaziabad	Modinagar	Jahalawa	471	130	601	13	10	3
Ghaziabad	Saidpur	Varnamepur	180	95	275	13	9	4
Ghaziabad	Kasimabad	Paigamberpur urf Chalahpur	265	62	327	13	11	2
Ghaziabad	Saidpur	Fardiha	345	364	709	13	6	7
Ghaziabad	Saidpur	Dawasiha	1147	1314	2461	13	6	7
Gonda	Colonelganj	Shah Jot	291	273	564	13	7	6
Gonda	Tarabganj	Nakhara	458	359	817	13	7	6
Gorakhpur	Bansgaon	Parpurwa	78	103	181	13	6	7
Gorakhpur	Gorakhpur	Haphij Nagar	97	116	213	13	6	7
Gorakhpur	Gorakhpur	Jangl Deerghan Singh	88	143	231	13	5	8
Gorakhpur	Sahjanwa	Rithwakhore Khas	204	222	426	13	6	7
Gorakhpur*	Gorakhpur	Tarkulahee	412	124	536	13	10	3
Hamirpur	Sarila	Kupara	364	508	872	13	5	8
Hapur	Garhmukteshwar	Mohammadpur Rustampur	719	165	884	13	11	2
Hardoi	Sawayajpur	Chandau Bechey	296	76	372	13	10	3
Hardoi	Hardoi	Bausra	416	385	801	13	7	6
Hardoi	Sandila	Sarehri	1122	761	1883	13	8	5
Hardoi	Hardoi	Sautera	912	1007	1919	13	6	7
Hathras	Sasni	Basai Kazi	704	216	920	13	10	3
Hathras	Sasni	Sikur Akbarpur	967	598	1565	13	8	5
Jalaun	Orai	Orai (MB) - Ward No.30	188	285	473	13	5	8
Jalaun	Konch	Titrakhalipur Khet	643	185	828	13	10	3
Jaunpur	Jaunpur	Bishambhara Urf Zamunipur	187	110	297	13	8	5
Jaunpur	Shahganj	Meharanva	150	219	369	13	5	8
Jaunpur	Kerakat	Deruwana	168	378	546	13	4	9
Jaunpur	Badlapur	Bangaon Patti	627	81	708	13	12	1

Jaunpur*	Kerakat	Ahan	579	432	1011	13	7	6
Jhansi	Garautha	Lakhawati	149	494	643	13	3	10
Jhansi	Mauranipur	Khisni Buzurg	314	577	891	13	5	8
Kannauj	Kannauj	Bahadurpur Ujaina	637	62	699	13	12	1
Kannauj	Tirwa	Tirmukha	1363	256	1619	13	11	2
Kanpur Dehat	Derapur	Jenda Mau	754	119	873	13	11	2
Kanpur Dehat	Rasulabad	Simara Mau	1275	506	1781	13	9	4
Kanpur Nagar	Ghatampur	Ismailpur Qadim	609	189	798	13	10	3
Kanpur Nagar	Kanpur	Kanpur (M Corp.) - Ward No.41	504	752	1256	13	5	8
Kasganj	Patiyali	Naugawan Chahka	833	186	1019	13	11	2
Kasganj	Patiyali	Nagar Kanchanpur	1460	395	1855	13	10	3
Kaushambi	Manjhanpur	Chhimirachha	479	104	583	13	11	2
Kaushambi*	Chail	Siriyawa Kala	564	257	821	13	9	4
Kheri	Dhaurahara	Belwa Moti	451	355	806	13	7	6
Kheri	Dhaurahara	Gourhee	1032	297	1329	13	10	3
Kushi Nagar	Kasya	Jauramanrakhan	93	231	324	13	4	9
Kushi Nagar	Tamkuhi Raj	Parsaun	164	309	473	13	5	8
Lalitpur	Lalitpur	Dhowan Kheri	648	220	868	13	10	3
Lalitpur	Talbehat	Jakhora	702	994	1696	13	5	8
Lucknow	Lucknow	Lucknow (M Corp.) - Ward No.1	55	494	549	13	1	12
Lucknow	Malihabad	Karend	652	410	1062	13	8	5
Maharajganj	Pharenda	Raipur Pandit	118	138	256	13	6	7
Maharajganj	Maharajganj	Mathania	333	157	490	13	9	4
Mahoba	Kulpahar	Marwari	108	354	462	13	3	10
Mainpuri	Mainpuri	Nagla Usar	398	308	706	13	7	6
Mainpuri*	Karhal	Kumheri	1164	291	1455	13	10	3
Mathura	Mat	Irolizunnardar	700	130	830	13	11	2
Mathura	Chhata	Hulwana	1126	419	1545	13	9	4
Mau	Muhammadabad Gohna	Manajit	216	95	311	13	9	4
Mau	Muhammadabad Gohna	Sosarawan	178	225	403	13	6	7
Meerut	Meerut	Salarpur Jalalpur	413	339	752	13	7	6
Meerut	Meerut	Ward No.72	2104	248	2352	13	12	1
Mirzapur	Mirzapur	Machhaha	336	128	464	13	9	4
Mirzapur	Chunar	Lathiya Sahjani	363	450	813	13	6	7
Moradabad	Moradabad	Ganeshpur Devi Mustahkam	402	70	472	13	11	2
Moradabad	Bilari	Bhidwari	574	328	902	13	8	5
Muzaffarnagar	Muzaffarnagar	Karwara	506	257	763	13	9	4
Muzaffarnagar*	Muzaffarnagar	Dhindhawali	4452	3284	7736	13	7	6
Pilibhit	Bisalpur	Gulenda Gautia	285	130	415	13	9	4
Pilibhit	Bisalpur	Jasauli Diwari	602	228	830	13	9	4
Pratapgarh	Patti	Parsadh	31	229	260	13	2	11
Pratapgarh	Patti	Sarsi Khama	181	385	566	13	4	9
Pratapgarh	Kunda	Kiyawan	573	128	701	13	11	2
Pratapgarh	Patti	Saray Rajai	331	425	756	13	6	7
Rae Bareli	Maharajganj	Kuvana	205	376	581	13	5	8
Rae Bareli	Unchahar	Sawaya Dhani	357	467	824	13	6	7
Rampur	Milak	Loha Patti Bhagirath	281	77	358	13	10	3
Rampur*	Bilaspur	Manpur Ojha	114	459	573	13	3	10
Saharanpur	Deoband	Labakri	646	67	713	13	12	1
Saharanpur	Deoband	Sakhan Khurd	552	269	821	13	9	4
Sambhal	Gunnaur	Davanthara Shyam	770	62	832	13	12	1
Sambhal	Sambhal	Singpur Saani	860	827	1687	13	7	6
Sant Kabeer Nagar	Khalilabad	Garh Sardar	169	53	222	13	10	3

Sant Kabeer Nagar	Mehdawal	Baurbyes	267	258	525	13	7	6
Sant Ravidas Nagar	Aurai	Tiuri	129	229	358	13	5	8
Sant Ravidas Nagar	Gyanpur	Chak Kala Patti	284	610	894	13	4	9
Shahjahanpur	Shahjahanpur	Qila, Maghai Tola - Ward No.20	14	235	249	13	1	12
Shahjahanpur	Tilhar	Mohenpur Parsela	299	20	319	13	12	1
Shahjahanpur	Jalalabad	Lahsari	1039	268	1307	13	10	3
Shahjahanpur*	Tilhar	Satrapur	684	673	1357	13	7	6
Shamli	Oon	Miyan Kasba	594	356	950	13	8	5
Shravasti	Bhinga	Murforwa	697	58	755	13	12	1
Siddharth Nagar	Naugarh	Birdpur No3	97	58	155	13	8	5
Siddharth Nagar	Shohratgarh	Madarahna Janubi	175	53	228	13	10	3
Siddharth Nagar	Bansi	Gaidakhor	60	238	298	13	3	10
Siddharth Nagar	Shohratgarh	Sangwar	269	144	413	13	8	5
Sitapur	Misrikh	Bhiriya	255	116	371	13	9	4
Sitapur	Misrikh	Saitiyapur	489	116	605	13	11	2
Sitapur	Laharpur	Mudndrasan	329	482	811	13	5	8
Sitapur	Mahmudabad	Gonda Deoria	1169	836	2005	13	8	5
Sonbhadra	Robertsganj	Mhowon Kalna	80	331	411	13	3	10
Sonbhadra	Dudhi	Makara	42	600	642	13	1	12
Sultanpur	Lambhua	Karaumi	225	148	373	13	8	5
Sultanpur	Jaisinghpur	Mirpur Saroiya	291	453	744	13	5	8
Unnao	Ganj Muradabad	Ganj Muradabad (NP) - Ward No.3	215	60	275	13	10	3
Unnao	Purwa	Chandi Garhi	252	130	382	13	9	4
Unnao	Bangarmau	Khairudinpur	621	271	892	13	9	4
Unnao*	Bangarmau	Tamoriya bujurd	573	369	942	13	8	5
Varanasi	Varanasi	Umarha (Ct)	93	404	497	13	2	11
Varanasi	Varanasi	Kotwa (Ct)	1149	1449	2598	13	6	7
		Total	98983	62268	161251	2327	1386	941

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 165
Reserved Villages 14
Total Samples

2145
182
2327

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 5599

Design Level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.03

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 110(+5 Villages Reserved)

Total No of Animals to be Sampled = 1430

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
Almora	Chaukutiya	Jamarar	31	97	128	13	3	10
Almora	Bhikiasian	Okhalyun	48	93	141	13	4	9
Almora	Ranikhet	Makron	12	130	142	13	1	12
Almora	Almora	Hadouli	57	108	165	13	4	9
Almora	Dhaulichhina	Dungar Lekh	75	95	170	13	6	7
Almora	Lamgada	Bajethi	67	104	171	13	5	8
Almora	Bhanoli	Danya	51	126	177	13	4	9
Almora	Bagwalipokhar	Bhet	41	186	227	13	2	11
Almora	Bagwalipokhar	Parkote	7	238	245	13	0	13
Almora	Almora	Chausali	53	194	247	13	3	10
Almora	Almora	Jakh Saura	129	119	248	13	7	6
Almora	Ranikhet	Mang Chaura	39	244	283	13	2	11
Almora	Jainti	Chhana Khorkota	214	73	287	13	10	3
Almora	Bagwalipokhar	Naula Kote Chak Deodhar Nadivaseem	15	366	381	13	1	12
Bageshwar	Kanda	Dwali	11	98	109	13	1	12
Bageshwar	Garud	Kaulang	56	92	148	13	5	8
Bageshwar	Bageshwar	Fatgali	107	103	210	13	7	6
Bageshwar	Shama	Sukhchauna	6	219	225	13	0	13
Bageshwar	Kapkot	Purkuni	214	220	434	13	6	7
Bageshwar*	Shama	Bari Panyali	52	620	672	13	1	12
chamoli	Joshimath	Pang Chak Lata	0	117	117	13	0	13
chamoli	Pokhari	Khalbajetha	13	139	152	13	1	12
chamoli	Adibadri	Sirana	59	155	214	13	4	9
chamoli	Karanprayag	Siran	79	169	248	13	4	9
chamoli	Narayanbagar	Palchhuni	52	258	310	13	2	11
chamoli	Pokhari	Tunji	121	222	343	13	5	8
chamoli	Gairsain	Gairsain (NP) -Saliyana Ward No. 1	67	284	351	13	2	11
chamoli	Ghaat	Vaduk	64	308	372	13	2	11
Champawat	Poornagiri	Sukni	50	111	161	13	4	9
Champawat	Champawat	Lafra	50	161	211	13	3	10
Champawat	Pati	Bhingrara	18	219	237	13	1	12
Champawat	Pati	Patangaon	215	176	391	13	7	6
Champawat	Champawat	Champawat (MB) - Naagnath Ward No.7	6	471	477	13	0	13
Dehradun	Chakrata	Kothi (Bamtad)	15	119	134	13	1	12
Dehradun	Dehradun	Dehradun (M.Corp) - Niranjampur Ward No.76	21	200	221	13	1	12
Dehradun	Chakrata	Jashta	13	240	253	13	1	12
Dehradun	Vikas Nagar	Pasta	22	328	350	13	1	12
Dehradun	Rishikesh	Garhimay Chak	80	416	496	13	2	11
Dehradun	Vikas Nagar	Jatowala	350	198	548	13	8	5
Dehradun*	Dehradun	Lachhiwala Range	1573	411	1984	13	10	3
Haridwar	Laksar	Mukhyali Khurd	143	32	175	13	11	2
Haridwar	Bhagwanpur	Tejupur	198	179	377	13	7	6
Haridwar	Roorkee	Todakalyanpur(Must)	323	313	636	13	7	6
Haridwar	Roorkee	Ranchhadwala	355	450	805	13	6	7
Haridwar	Bhagwanpur	Rubalki Dayalpur	598	384	982	13	8	5
Haridwar	Bhagwanpur	Banjarewala Grunt	526	834	1360	13	5	8

Nainital	Nainital	Pidholi	40	82	122	13	4	9
Nainital	Haldwani	Haripur Jamansingh	40	146	186	13	3	10
Nainital	Ramnagar	Kiari Bandobast	69	132	201	13	4	9
Nainital	Nainital	Lodh	22	240	262	13	1	12
Nainital	Haldwani Kathgodam	Haldwani-cum-Kathgodam (M.Corp) -	134	165	299	13	6	7
Nainital	Nainital	Chhtota	71	245	316	13	3	10
Nainital	Dhari	Putgaon	77	304	381	13	3	10
Nainital	Betalghat	Amel	153	274	427	13	5	8
Nainital	Lalkuan	Kharakpur	114	456	570	13	3	10
Nainital	Haldwani	Kishanpur Rekwai	194	453	647	13	4	9
Pauri Garhwal	Jakhanikhal	Gadmola	45	59	104	13	6	7
Pauri Garhwal	Bironkhal	Panchrad	51	67	118	13	6	7
Pauri Garhwal	Bironkhal	Kamrai	26	106	132	13	3	10
Pauri Garhwal	Kotdwara	Sondal	4	128	132	13	0	13
Pauri Garhwal	Pauri	Asue Gunth	0	141	141	13	0	13
Pauri Garhwal	Chaubatta	Masaunyawat	0	152	152	13	0	13
Pauri Garhwal	Pauri	Bhitai Malli	29	143	172	13	2	11
Pauri Garhwal	Kotdwara	Lakhwara	16	158	174	13	1	12
Pauri Garhwal	Satpuli	Mallethi	0	176	176	13	0	13
Pauri Garhwal	Dhoomakot	Kinath	52	136	188	13	4	9
Pauri Garhwal	Bironkhal	Badadanda Dhunkapdi	0	193	193	13	0	13
Pauri Garhwal	Pauri	Chanyu	3	193	196	13	0	13
Pauri Garhwal	Yamkeshwar	Umroli	15	205	220	13	1	12
Pauri Garhwal	Satpuli	Satpuli (NP) - Satpuli Malli Ward No. 4	0	231	231	13	0	13
Pauri Garhwal	Yamkeshwar	Paranda	0	260	260	13	0	13
Pauri Garhwal	Pauri	Korsara	0	275	275	13	0	13
Pauri Garhwal	Kotdwara	Kotdwara (M.Corp) - Sibunagar Ward No.23	0	286	286	13	0	13
Pauri Garhwal	Kotdwara	Kotdwara (M.Corp) - Balasaud Ward No.24	0	329	329	13	0	13
Pauri Garhwal	Pauri	Ujiyari	13	404	417	13	0	13
Pauri Garhwal*	Thailisain	Kaprouli	238	232	470	13	7	6
Pithoragarh	Munsiari	Malupati	27	79	106	13	3	10
Pithoragarh	Devalthal	Bichul	40	98	138	13	4	9
Pithoragarh	Munsiari	Pyangti	34	111	145	13	3	10
Pithoragarh	Didihat	Pamsyari	55	120	175	13	4	9
Pithoragarh	Devalthal	Kusaila	63	132	195	13	4	9
Pithoragarh	Kanalichina	Nwali	50	191	241	13	3	10
Pithoragarh	Pithoragarh	Jajar Chingari	63	243	306	13	3	10
Pithoragarh	Thal	Baltir	60	259	319	13	2	11
Pithoragarh*	Tejam	Namik	43	493	536	13	1	12
Pithoragarh	Dharchula	Ranthi	372	3671	4043	13	1	12
Rudraprayag	Agastmuni	Agastmuni (NP) - Saudi Ward No 2	59	99	158	13	5	8
Rudraprayag	Rudraprayag	Kandai Bainji	20	264	284	13	1	12
Rudraprayag	Rudraprayag	Routhiya	224	77	301	13	10	3
Rudraprayag	Ukhimath	Raulek	79	581	660	13	2	11
Rudraprayag	Ukhimath	Barasu	244	607	851	13	4	9
Tehri Garhwal	Kandisaur	Kamand Kinthu Madhe Chak	55	48	103	13	7	6
Tehri Garhwal	Narendra Nagar	Bhaigarki	109	30	139	13	10	3
Tehri Garhwal	Ghansali	Gadar Siluri	26	128	154	13	2	11
Tehri Garhwal	Ghansali	Dhar Gaon Mayali	124	38	162	13	10	3
Tehri Garhwal	Kirtinagar	Sirwari	147	31	178	13	11	2
Tehri Garhwal	Pratapnagar	Moliya	18	172	190	13	1	12
Tehri Garhwal	Narendra Nagar	Pipaeth	169	27	196	13	11	2
Tehri Garhwal	Pratapnagar	Okhala	111	138	249	13	6	7

Tehri Garhwal	Balganga	Niwal Gaon	91	205	296	13	4	9
Tehri Garhwal	Kirtinagar	Naithana	32	277	309	13	1	12
Tehri Garhwal	MuniKiReti-Dhalwala	Muni Ki Reti (MB) -Uperi Dhaalwala Ward No.11	36	307	343	13	1	12
Tehri Garhwal*	Balganga	Marwari	125	289	414	13	4	9
Udham Singh Nagar	Kashipur	Bhogpurkashipur	52	62	114	13	6	7
Udham Singh Nagar	Rudrapur	Rudrapur (M.Corp) - Ward No.2	52	143	195	13	3	10
Udham Singh Nagar	Nanakmatta	Nabadia	207	145	352	13	8	5
Udham Singh Nagar	Rudrapur	Bagwala	135	233	368	13	5	8
Udham Singh Nagar	Jaspur	Bhagwantpur Jaspur	403	193	596	13	9	4
Udham Singh Nagar	Kashipur	Shivlalpur Amarjhanda	416	212	628	13	9	4
Udham Singh Nagar	Khatima	Jhunkat	734	587	1321	13	7	6
Uttarkashi	Dunda	Khattu khal	92	54	146	13	8	5
Uttarkashi	Rajgarhi	Tholiyunka	68	123	191	13	5	8
Uttarkashi	Dunda	Nawagaon	90	152	242	13	5	8
Uttarkashi	Bhatwari	Maneri	15	316	331	13	1	12
Uttarkashi	Rajgarhi	Dukhyatgaon	113	325	438	13	3	10
		Total	12555	28050	40605	1495	428	1067

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 110
Reserved Villages 5
Total Samples

1430
65
1495

Two Stage Stratified Random Sampling:

Species Selected for Stratification = Cattle + Buffalo

Number of Villages Having 100 + (Cattle + Buffalo) = 19987

Design level Prevalence (% of unprotected) = 0.2

Cluster Level Prevalence (Adjusted for % of titer improvement) = 0.02

Sensitivity of the test used = 0.9

Total No of Villages (Clusters) Selected = 165(+5 Villages Reserved)

Total No of Animals to be Sampled = 2145

DISTRICT_NAME (a)	BLOCK_NAME (b)	VILLAGE_NAME (c)	Buffalo Population (d)	Cattle Population (e)	Buffalo + Cattle Population (f)	Number of units to sample (g)	Buffalo Proportion (h)	Cattle Proportion (i)
24 Paraganas North	Minakhan	Dhaturdaha	0	190	190	13	0	13
24 Paraganas North	Bagda	Mustafapur	0	275	275	13	0	13
24 Paraganas North	Bongaon	Dharmmapukuria	0	343	343	13	0	13
24 Paraganas North	Gaighata	Amankandia	0	379	379	13	0	13
24 Paraganas North	Swarupnagar	Goyeshpur	0	398	398	13	0	13
24 Paraganas North	Hingalganj	Pukuriachak	0	837	837	13	0	13
24 Paraganas North	North Barrackpur	North Barrackpur (M) - Ward No.9	56	1026	1082	13	1	12
24 Paraganas North	Panihati	Panihati (M) - Ward No.8	1000	219	1219	13	11	2
24 Paraganas North	Hingalganj	Jogesganj	0	2202	2202	13	0	13
24 Paraganas South	Budge Budge	Budge Budge (M) - Ward No.16	3	98	101	13	0	13
24 Paraganas South	Magrahat - I	Hijalhat	0	216	216	13	0	13
24 Paraganas South	Magrahat - li	Magrahat (Ct)	0	306	306	13	0	13
24 Paraganas South	Magrahat - li	Uttar Radhanagar	0	421	421	13	0	13
24 Paraganas South	Jaynagar - li	Khaiyamara	0	491	491	13	0	13
24 Paraganas South	Bhangar - li	Dharmatala Pachuria	0	560	560	13	0	13
24 Paraganas South	Kulpi	Dakshin Akraberia	25	1109	1134	13	0	13
24 Paraganas South	Gosaba	Bagbagan	0	1473	1473	13	0	13
24 Paraganas South	Sagar	Khan Saheber Abad	3	2021	2024	13	0	13
24 Paraganas South*	Mathurapur - li	Gilarchat	63	3820	3883	13	0	13
Alipurduar	Alipurduar - I	Mathura Tea Garden	0	1665	1665	13	0	13
Alipurduar	Alipurduar - I	Uttar Sonapur	0	2200	2200	13	0	13
Bankura	Sonamukhi	Bhat Pushkarini	0	152	152	13	0	13
Bankura	Patrasayer	Sekendar Chak	0	236	236	13	0	13
Bankura	Hirbandh	Debidia	34	312	346	13	1	12
Bankura	Vishnupur	Antare	4	354	358	13	0	13
Bankura	Indpur	Dhuniagar	0	381	381	13	0	13
Bankura	Chhatna	Masthol	0	390	390	13	0	13
Bankura	Chhatna	Banpusra	6	405	411	13	0	13
Bankura	Barjora	Pakhanna	21	609	630	13	0	13
Bankura	Vishnupur	Hetagara	138	558	696	13	3	10
Bankura	Saltora	Tentul Tikri	37	683	720	13	1	12
Bankura	Khatra	Muragram	68	956	1024	13	1	12
Bankura*	Kotulpur	Khiri	4	1572	1576	13	0	13
Bardhaman	Barddhaman	Barddhaman (M) - Ward No.22	25	121	146	13	2	11
Bardhaman	Katwa	Katwa (M) - Ward No.2	8	334	342	13	0	13
Bardhaman	Katwa - I	Shrisuruvra	14	350	364	13	1	13
Bardhaman	Mangolkote	Barulia	0	546	546	13	0	13
Bardhaman	Khandaghosh	Aradanga	0	576	576	13	0	13
Bardhaman	Katwa - li	Bhatna Pekua	8	821	829	13	0	13
Bardhaman	Katwa - li	Jagadanandapur	111	944	1055	13	1	12
Bardhaman	Memari - li	Barapalashan	21	1319	1340	13	0	13
Bardhaman	Galsi - li	Khano	7	1347	1354	13	0	13
Bardhaman	Manteswar	Golatun	209	2248	2457	13	1	12
Birbhum	Suri - li	Uttar Metegram	22	165	187	13	2	11
Birbhum	Suri - li	Sekampur	16	259	275	13	1	12
Birbhum	Sainthia	Akudih	15	270	285	13	1	12

Birbhum	Bolpur	Bolpur (M) - Ward No.12	0	421	421	13	0	13
Birbhum	Dubrajpur	Chitgaon	98	410	508	13	3	10
Birbhum	Khoyrasol	Bhadulia	4	518	522	13	0	13
Birbhum	Suri - I	Khatangadihi	128	1160	1288	13	1	12
Birbhum	Labpur	Kamadpur	73	1626	1699	13	1	12
Birbhum	Nanoor	Pena	43	1857	1900	13	0	13
Birbhum	Rajnagar	Tabadumra	118	2133	2251	13	1	12
Coochbehar	Sitalkuchi	Chhat Lalbazar	0	194	194	13	0	13
Coochbehar	Cooch Behar - li	Baisguri (Ct)	0	320	320	13	0	13
Coochbehar	Dinhata - I	Konamukta	0	761	761	13	0	13
Coochbehar	Sitalkuchi	Nagar Nepra	0	1066	1066	13	0	13
Coochbehar	Tufanganj - li	Chhat Bhalka	7	1349	1356	13	0	13
Coochbehar*	Sitai	Anandaran Singimari	0	3135	3135	13	0	13
Coochbehar	Cooch Behar - li	Marichbari	71	11826	11897	13	0	13
Darjeeling	Rangli Rangliot	Bara Mungwa	0	301	301	13	0	13
Darjeeling	Naxalbari	Omi	0	334	334	13	0	13
Darjeeling	Darjeeling Pulbazar	Murmidong	55	833	888	13	1	12
Darjeeling	Naxalbari	Uttar Bagdogra (Ct)	6	1606	1612	13	0	13
Dinajpur Dakshin	Bansihari	Bhingaldaha	0	157	157	13	0	13
Dinajpur Dakshin	Tapan	Berali	0	189	189	13	0	13
Dinajpur Dakshin	Kushmundi	Katalhat	0	357	357	13	0	13
Dinajpur Dakshin	Kumarganj	Uttar Rusulpur	0	429	429	13	0	13
Dinajpur Dakshin	Balurghat	Chingispur	10	1112	1122	13	0	13
Dinajpur Dakshin	Balurghat	Barakali	2	1236	1238	13	0	13
Dinajpur Dakshin	Tapan	Basuria	46	2083	2129	13	0	13
Dinajpur Uttar	Itahar	Bagun	2	203	205	13	0	13
Dinajpur Uttar	Goalpokhar - li	Dhanalia	8	354	362	13	0	13
Dinajpur Uttar	Itahar	Sohair	24	657	681	13	0	13
Dinajpur Uttar	Raiganj	Dwipnagar	4	755	759	13	0	13
Dinajpur Uttar	Islampur	Benikandar	6	1325	1331	13	0	13
Dinajpur Uttar	Chopra	Borobila	2	1436	1438	13	0	13
Dinajpur Uttar	Goalpokhar - I	Chapwa	0	2039	2039	13	0	13
Hooghly	Jangipara	Purbba Durgapur	3	154	157	13	0	13
Hooghly	Chanditala - li	Begampur (Ct)	0	206	206	13	0	13
Hooghly	Pandua	Panch Gara	0	277	277	13	0	13
Hooghly	Hugli-Chinsurah	Hugli-Chinsurah (M) - Ward No.3	63	318	381	13	2	11
Hooghly	Jangipara	Jhanda	0	469	469	13	0	13
Hooghly	Balagarh	Ichhapura	0	484	484	13	0	13
Hooghly	Serampur Uttarpara	Raghunathpur (Ps-Dankuni) (Ct)	46	613	659	13	1	12
Hooghly	Goghat - li	Idalhati	80	950	1030	13	1	12
Hooghly	Hugli-Chinsurah	Hugli-Chinsurah (M) - Ward No.5	187	1004	1191	13	2	11
Hooghly	Dhaniakhali	Mahamaya	24	1492	1516	13	0	13
Howrah	Udaynarayanpur	Mallik Chak	0	188	188	13	0	13
Howrah	Sankrail	Dhulagari (Ct)	0	355	355	13	0	13
Howrah	Haora	Haora (M Corp) - Ward No.46	0	425	425	13	0	13
Howrah	Udaynarayanpur	Nazarkhan	0	466	466	13	0	13
Jalpaiguri	Mal	Uttar Saripakuri	0	1326	1326	13	0	13
Jalpaiguri	Mal	Damdin Tea Garden	0	6089	6089	13	0	13
Jhargram	Jamboni	Khasibandh	3	116	119	13	0	13
Jhargram	Gopiballavpur - li	Tal Jambani	2	202	204	13	0	13
Jhargram	Binpur - I	Simladanga	12	207	219	13	1	12
Jhargram	Jamboni	Kani Mahuli	8	280	288	13	0	13
Jhargram	Sankrail	Upar Katmundi	0	321	321	13	0	13

Jhargram	Sankrail	Kalsona	0	341	341	13	0	13
Jhargram	Jhargram	Pakuryapal	10	457	467	13	0	13
Jhargram	Jhargram	Baladmara	2	470	472	13	0	13
Jhargram	Nayagram	Payra Bhari	67	734	801	13	1	12
Jhargram	Jhargram	Nuagarh	36	827	863	13	1	12
KALIMPONG	Kalimpong - I	Paringar Khasmahal	0	799	799	13	0	13
Maldah	Kaliachak - Iii	Chaklalu	8	193	201	13	1	12
Maldah	Maldah (Old)	Bridhhi Kamancha	18	322	340	13	1	12
Maldah	Chanchal - I	Bamua	7	607	614	13	0	13
Maldah	English Bazar	Uttar Ramchandrapur (P)	0	715	715	13	0	13
Maldah	Harischandrapur - I	Pipla Kasimpur	0	794	794	13	0	13
Maldah	Harischandrapur - Ii	Hardam Nagar	12	942	954	13	0	13
Maldah*	Kaliachak - Ii	Birodhi (Ct)	313	1767	2080	13	2	11
Medinipur East	Deshopran	Chaudhuri Bar	0	151	151	13	0	13
Medinipur East	Contai - I	Raipur Paschimbar	0	237	237	13	0	13
Medinipur East	Panskura	Baidbar	0	251	251	13	0	13
Medinipur East	Sahid Matangini	Gujar Kharai	0	371	371	13	0	13
Medinipur East	Deshopran	Baghapur	0	434	434	13	0	13
Medinipur East	Contai - Iii	Karalda Nahera Bar	0	452	452	13	0	13
Medinipur East	Mahisadal	Bamunya	0	480	480	13	0	13
Medinipur East	Nanda Kumar	Khanchi	0	592	592	13	0	13
Medinipur East	Bhagawanpur - I	Benudia (Ct)	0	728	728	13	0	13
Medinipur East	Potashpur - Ii	Chakrasul	0	1015	1015	13	0	13
Medinipur East	Nandigram - Ii	Ghol Pukurya	0	1622	1622	13	0	13
Medinipur East	Nandigram - Ii	Ashdalya (Ct)	0	3384	3384	13	0	13
Medinipur West	Kharagpur - Ii	Rathikulgerya	0	129	129	13	0	13
Medinipur West	Debra	Simana Shubhadrapat	0	144	144	13	0	13
Medinipur West	Pingla	Eral Chak	0	204	204	13	0	13
Medinipur West	Debra	Bar Jhikuria	0	233	233	13	0	13
Medinipur West	Daspur - I	Haja Kundu	0	258	258	13	0	13
Medinipur West	Garbeta - Iii	Kenja	0	285	285	13	0	13
Medinipur West	Garbeta - I	Hirigeria	18	298	316	13	1	12
Medinipur West	Ghatal	Nirmalbazar	0	341	341	13	0	13
Medinipur West	Dantan - I	Patbanda	0	413	413	13	0	13
Medinipur West	Dantan - Ii	Renjura	0	439	439	13	0	13
Medinipur West	Daspur - Ii	Sribara	0	447	447	13	0	13
Medinipur West	Chandrakona - Ii	Nilganja	2	494	496	13	0	13
Medinipur West	Chandrakona - I	Dianpur	6	591	597	13	0	13
Medinipur West	Sabang	Routara Bari	0	705	705	13	0	13
Medinipur West	Salbani	Bayla	0	721	721	13	0	13
Medinipur West	Keshpur	Makul Chak	0	736	736	13	0	13
Medinipur West	Narayangarh	Taraf Barapanda	0	762	762	13	0	13
Medinipur West	Salbani	Ashna Shuli	130	669	799	13	2	11
Medinipur West	Garbeta - Iii	Raskunda	0	1133	1133	13	0	13
Medinipur West	Kharagpur - Ii	Dharimba	0	1580	1580	13	0	13
Murshidabad	Hariharpara	Khalshi	6	106	112	13	1	12
Murshidabad	Bhagawangola - I	Diar Syampur	2	267	269	13	0	13
Murshidabad	Burwan	Tita	0	586	586	13	0	13
Murshidabad	Suti - I	Sadikpur	45	617	662	13	1	12
Murshidabad	Farakka	Talipur	53	675	728	13	1	12
Murshidabad	Nabagram	Rainda	56	915	971	13	1	12
Murshidabad	Sagardighi	Chandanbati	252	1141	1393	13	2	11
Murshidabad	Hariharpara	Padmanabhpur	265	1731	1996	13	2	11

Nadia	Haringhata	Panchpukuria	0	114	114	13	0	13
Nadia	Santipur	Bathna	9	302	311	13	0	13
Nadia	Haringhata	Sat Simulia	0	467	467	13	0	13
Nadia	Chakdah	Nikhar Gachhi	0	592	592	13	0	13
Nadia	Chapra	Santia	43	809	852	13	1	12
Nadia*	Haringhata	Subuddipur	0	1131	1131	13	0	13
PASCHIM BARDHAMAN	Kanksa	Jatgaria	0	662	662	13	0	13
PASCHIM BARDHAMAN	Durgapur	Durgapur (M Corp.) - Ward No.34	419	2922	3341	13	2	11
Purulia	Santuri	Chandurdi	0	125	125	13	0	13
Purulia	Barabazar	Taldih Als.Nabudih Maisadabar	29	257	286	13	1	12
Purulia	Jhalda - I	Chatumghutu	28	305	333	13	1	12
Purulia	Bagmundi	Sirkadi	20	354	374	13	1	12
Purulia	Neturia	Puapur	11	388	399	13	0	13
Purulia	Jhalda - li	Kuriyam	21	453	474	13	1	12
Purulia	Santuri	Kotaldih	2	880	882	13	0	13
Purulia	Purulia - li	Malthol	20	1115	1135	13	0	13
Purulia	Jaipur	Bangidiri	8	2230	2238	13	0	13
Purulia	Jaipur	Jaypur (Ct)	200	2160	2360	13	1	12
		Total	5171	144852	150023	2210	66	2145

*Reserved villages to be used for sampling if any selected village in given district is not accessible, having logistic problem or any other issues

a: District Name
b: Block Name
c: Village Name
d: Buffalo Population
e: Cattle Population

f: Buffalo + Cattle Population
g: Number of units to sample
h: Buffalo Proportion
i: Cattle Proportion

Unreserved Villages 165
Reserved Villages 5
Total Samples

2145
65
2210

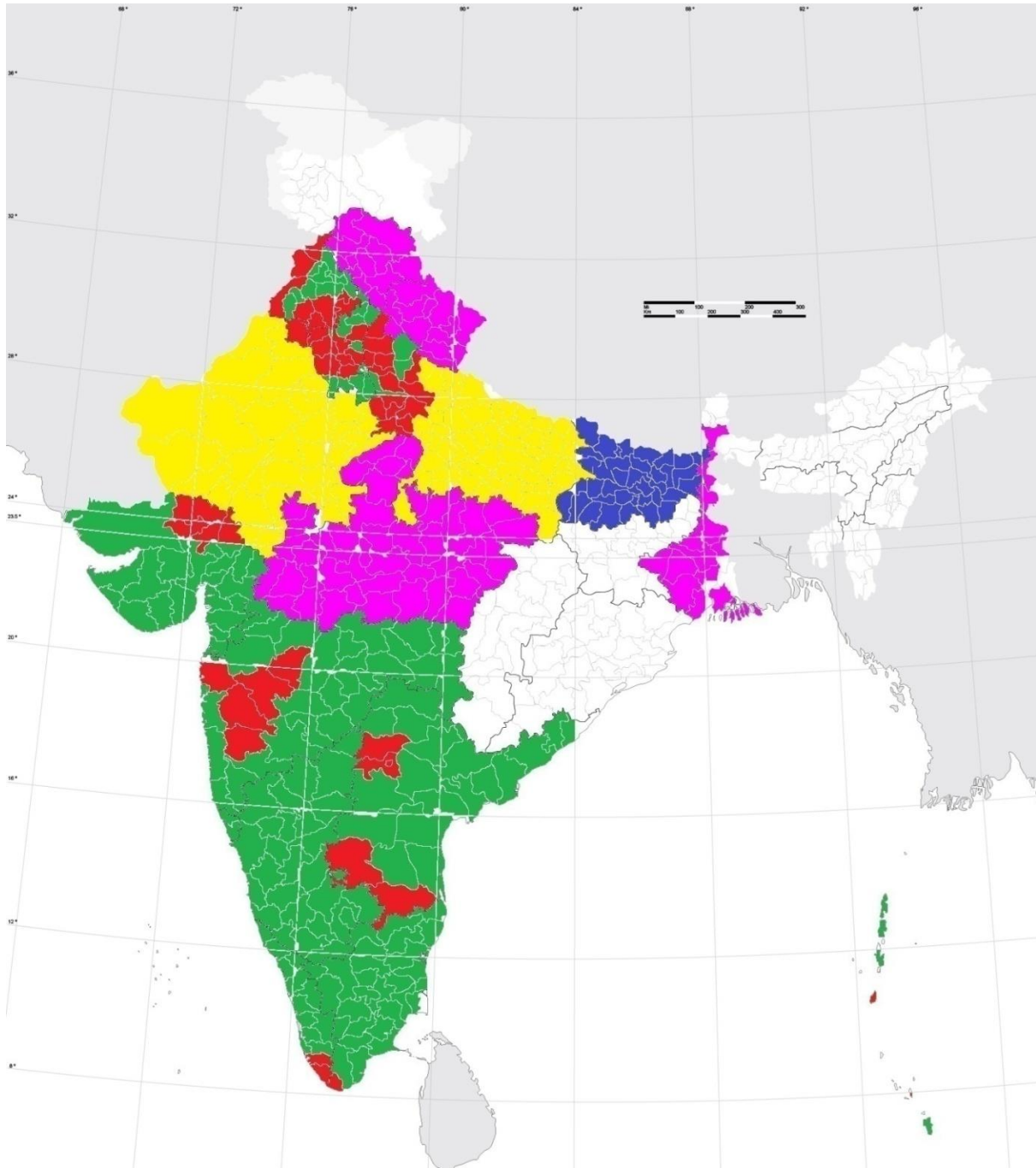


Fig. Phases of FMD Control Program. **Phase I:** 54 districts were covered since the year 2003-04 (filled Red). **Phase II:** 167 districts were covered since the year 2010-11(filled Green).**Phase III:** 110 districts were covered since the year 2013-14 (filled Yellow). **Phase IV:** 38 districts were covered since the year 2015-16(filled Blue). **Phase V:** 91 districts were covered since the year 2017-18 (filled Pink). Phase **VI:** 308 districts were covered since the year 2018-19 (filled white).