

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

ICAR approved proceedings of 4th ARM of NADEN held at Bhopal from 9-10 July 2026 (F. No. AS/21312023-ASR-IV (E no.267038) dated 13th August 2026

#	Theme	Recommendation	Action/ Comments	Comments of ICAR
1	Categorized disease reporting	All centres shall report all livestock disease events under three categories — Suspect, Probable and Laboratory-confirmed — using standard case definitions for each disease. NADRES shall carry a category field, and the confirmation status of each event shall be updated as laboratory results become available, so that early-warning signal (suspect/probable) and confirmed burden are both captured.	<i>Action: ICAR-NIVEDI to issue the case-definition sheet.</i>	Agreed
2	Coverage of animal diseases	Outbreak/epidemiological data for all priority diseases shall be presented at the ARM under the above categories. Laboratory-confirmed FMD shall be reconciled with ICAR-NIFMD, reflecting the complementary mandates of NIFMD (virus characterization) and NIVEDI (risk assessment, forecasting and zoning).		FMD data need not be presented at NADEN. NIVEDI may restrict its activities to disease its forewarning, unless the help is sought from NIFMD.
3	Sample referral to reference laboratories	Wherever feasible, representative outbreak samples may be forwarded to the designated regional/	<i>Action: ICAR-NIVEDI shall publish a disease-wise /</i>	Representative Outbreak samples for all the disease reported must be submitted to ICAR-NIVEDI and ICAR-

		national reference laboratory for confirmation, isolation and molecular characterization.	<i>region-wise reference-laboratory referral map.</i>	NIVIEDI should make efforts to isolate the pathogen and should maintain pathogen repository.
4	Risk-based sentinel surveillance	The number and location of sentinel sites shall be finalized jointly by ICAR-NIVEDI and each State, prioritized by species, priority diseases and hotspots. State-specific plans (site, species, target disease, rationale) shall be recorded in the prescribed format provided. Active and sentinel surveillance are integral to NADEN and will not attract separate funding.	<i>Action: Zonal Incharges and PI of the respective centres to work together to finalize the risk-based additional sentinel sites.</i>	In addition to the sentinel sites (which are mostly based in Govt farms), NADEN may explore conducting sampling in predetermined animal markets. One of the duplicate samples may be sent ICAR-NISHAD by the respective NADEN centers.
5	Outbreak investigation	Each centre shall investigate outbreaks scientifically using the standard epidemiological format and present at least one full outbreak investigation at each ARM.		Agreed
6	Data consistency	All centres shall reconcile monthly and annual disease reports before submission and share corrected, validated datasets with ICAR-NIVEDI.		Noted
7	Fund utilization	Centres shall ensure timely and complete utilization of funds and, before release of the final instalment each year, indicate their capacity to utilise the balance; unspent funds may be reallocated to centres with greater need.		

		Centres with low utilization shall submit a quarterly expenditure plan and target at least 90% utilization by 31 March 2027.		
8	Uniform diagnostics	Uniform diagnostic kits and standardized testing protocols recommended by ICAR-NIVEDI shall be adopted across all centres for consistency and comparability of data.		Agreed
9	Capacity building	ICAR-NIVEDI shall publish an annual training calendar covering surveillance, diagnostics, outbreak investigation, epidemiology, laboratory techniques and data management.		Noted
10	Data infrastructure	The NADRES portal shall be updated periodically for new districts and villages (LG Directory); area PIN codes shall be captured mandatorily; and centres shall provide the latest Livestock Census data to enable revision of disease-specific sampling plans.	<i>Action: Nodal Officer, NADRES.</i>	Noted
11	State collaboration	Each Centre shall strengthen collaboration with State Departments of Animal Husbandry for surveillance, outbreak investigation and disease-control programmes.		Agreed
12	Sample quality	Standard operating procedures shall be followed for sample collection, labelling, packaging, transport and		Agreed

		testing, avoiding duplication and ensuring proper identification and traceability.		
13	Vaccination-failure investigation	Continued outbreaks despite vaccination shall be investigated using a standard package — vaccination coverage, vaccine efficacy, cold-chain integrity, schedule adherence and characterization of circulating strains — with booster schedules optimized where required.		A SOP may be developed by NIVEDI for the centers to take up studies in case suspected vaccination break through incidences.
14	Haemoprotozoan diseases	Enhanced surveillance and intervention shall be undertaken in endemic regions, and diagnostic cut-offs established to distinguish clinical infection from carrier animals.		Noted
15	Collaborating Centre teams and presentation	The PI/Co-PI must attend and present at the ARM; no change of PI during NADEN+ implementation shall ordinarily be permitted except with prior approval. A uniform, concise presentation template (about 15 slides) shall be used, with accurate terminology and clearly defined epidemiological units.		Noted
16	Model validation and sample sharing	The NADRES prediction outputs shall be compared with district-wise outbreak data to validate forecasting models.		Agreed

Recommendations for West zone centers.

Zone	Centre	Action points for 2026–27
West Zone	Maharashtra	• Ensure trained technical manpower to fully use existing laboratory infrastructure • Strengthen disease reporting
	Gujarat	• Assess vaccination coverage, effectiveness and animal movement/migration for outbreaks despite vaccination
	Rajasthan	• Isolate and characterize Bluetongue serotypes against vaccine strains • Implement booster schedule (primary May, booster June) • Share post-vaccination CSF/PPR sera to NIVEDI; investigate HS and BT epidemiologically
	Goa	• Strengthen CSF and ASF surveillance (high pig population)

Plan of work for FY: 26-27

1. Passive surveillance: monthly livestock disease reporting to be communicated as per the format given below.

LIVESTOCK DISEASE OUTBREAK (PASSIVE SURVEILLANCE) REPORTING FORMAT															
Name of the NADEN Center															
Reporting month															
Name of PI/Co-PI															
Sl No	Disease Name	Species	No of outbreaks	Total number of susceptible animals	Cases (Suspected/Probable/Lab Confirmed)	Deaths	Vaccination details, if any	District	Block/Taluka	Village	Latitude	Longitude	PIN	Date of OB Reporting	Date of OB closure

2. Active surveillance: as per sampling plan for FMD, Brucellosis, PPR, CSF, any other disease

a) Infection/Agent Surveillance

Target Species	Target Population (n)	Place/ Location	Date of collection	Number of Samples Tested	Positive (n)	Positivity (%)	Test Employed	Testing Laboratory
----------------	-----------------------	-----------------	--------------------	--------------------------	--------------	----------------	---------------	--------------------

b) Post-vaccination Seromonitoring: as per sampling plan for FMD, Brucellosis, PPR, CSF, any other disease

Name of Disease	Date/s of Vaccination	Number Eligible Animals	Number of animals Vaccinated	Pre-vacc Samples (n)	Post-vacc Samples (n)	Month Post-vacc Sampling	% Seroconv / GMT	Test Employed	Remarks
-----------------	-----------------------	-------------------------	------------------------------	----------------------	-----------------------	--------------------------	------------------	---------------	---------

3. Outbreak investigation: if any

Disease	Species	Location	Date	Animals at Risk	Number of Cases	Number of Deaths	Diagnosis Status* (S/P/L)	Duration	Key Finding/Results
---------	---------	----------	------	-----------------	-----------------	------------------	---------------------------	----------	---------------------

* S-Suspect, P- Probable, L- Laboratory confirmed

4. Sentinel surveillance: As per the format provided

Zones	State	Disease	Species under the disease	Selected Farm, address with Lat-Long details and One animal market	Total no. of Animals in the Farm	Farm type (organized /unorganized)	Number of animals	Species of animals	Number of males	Number of females	Breed-wise number of animals
-------	-------	---------	---------------------------	--	----------------------------------	------------------------------------	-------------------	--------------------	-----------------	-------------------	------------------------------

5. Any other information: