

No. K-11053/51/2025-LH (E-39174)/1

Government of India

Ministry of Fisheries, Animal Husbandry & Dairying
Department of Animal Husbandry and Dairying

Krishi Bhawan, New Delhi
Dated: 20th January, 2026

OFFICE MEMORANDUM

Subject: Standard Operating Procedure (SOP) for Vaccination against *Peste des Petits Ruminants* (PPR)- Request for adoption and feedback.

To control and eradicate PPR under the Livestock Health & Disease Control Programme (LHDCP) through standardized vaccination practices, the attached Standard Operating Procedure (SOP) for Livestock Vaccination against PPR is being circulated for adoption by State UTs. SOP is prescribed to ensure uniformity, efficacy, and integration with NDLM/ Bharat Pashudhan,

2. Key features of SOP are as under:

- a) Planning Cycle: Begins with accessory procurement, demand assessment via NDLM, HR training, microplan submission, and culminates in vaccination launch
- b) Vaccine Demand Projection: District-wise requirements = (NDLM eligible population x 1.10) - balance stock; with 10% buffer. Responsibility lies with District Veterinary Officers.
- c) Microplanning: Prepare templates covering block/village details, vaccinators, supervisors, nodal points; share with stakeholders including Panchayats and District Collectors.

3. Adoption and action required

States/UTs are requested to

- i. Adapt these guidelines to regional conditions (e.g., hilly/desert areas etc).
- ii. Train staff on vaccination, cold chain, waste management, and real-time NDLM data upload with geo-stamped photos
- iii. Conduct awareness campaigns 30-45 days pre-vaccination via media, Gram Sabhas, and PRIs.
- iv. Submit confirmation of adoption of SoP and implementation plan by 31st January, 2026 on jslh-dadp@gov.in and dir-lh@dahd.nic.in.

4. This issues with the approval of the Competent Authority.


(Dr. V. Jaya Chandra Bhanu Reddy)
Director (Livestock Health)

To

ACS/ Pr. Secretary / Secretary (Animal Husbandry) Governments of All States & UT

Copy to:

- i. Sr. PPS to Secretary (AHD), Krishi Bhawan, New Delhi
- ii. Sr. PPS to Additional Secretary (Livestock Health). Krishi Bhawan, New Delhi
- iii. Director. (Animal Husbandry). Governments of All States & UTs
- iv. NDLM Division /NIVEDI for coordination

Standard Operating Procedure (SOP) for Livestock Vaccination Against *Peste des Petits Ruminants* (PPR)

1. Introduction:

This Standard Operating Procedure (SOP) outlines comprehensive guidelines for implementing vaccination programs for PPR in small ruminants (sheep & goat). The objective is to control and progressively eliminate PPR while safeguarding animal health, and supporting trade compliance. The aim for control and eradication of *Peste des Petits Ruminants* by development of herd immunity through prophylactic carpet vaccination of all eligible sheep and goat population

2. Planning Framework:

Two distinct planning cycles are followed under the PPR vaccination programme. The first is the annual demand assessment and procurement cycle, under which States/UTs submit vaccine requirements through the Annual Action Plan, and vaccines are supplied to the state based on the approved demand.

The second is the operational vaccination cycle, which pertains to field-level implementation and involves vaccination of eligible small ruminants (sheep and goats).

3. Phase I: Pre-Campaign Planning

3.1. Demand projection of Vaccine Doses:

Head	Action to be Taken
Annual Demand Assessment - Vaccine	<p>Annual demand assessment of vaccine requirement to be done based on:</p> <ul style="list-style-type: none">• Sheep and goat flocks registered in the Bharat Pashudhan Portal.• At least one breeding male (ram/buck) will be physically ear-tagged (principal representative of the flock) with small animal ear tag and the ear tag number is recorded in portal.• The number of animals in a flock is a variable data and should be updated during vaccination.• In case of few animals in a household, all animals may be tagged. <p>Vaccine Requirement:</p> <p>(Population of eligible Animals as per NDLM * 1.10)- viable/ usable Balance Stock of Last Round.</p> <p>Responsibility: District Veterinary Officer to provide requirement to Director of Animal Husbandry, State/ Union Territory. Director to compile and communicate to DAHD.</p>



Operational Cycle Demand Assessment- Vaccines.	<ul style="list-style-type: none"> Target assessment for vaccination of eligible species will be based on NDLM data. District-wise vaccine requirements will be assessed at least 120 days before the date of start of next vaccination round in the state/UT. If any variation from the Annual Action Plan already submitted, the same shall be incorporated and communicated to DAHD. The requirement for a district vaccine stock will be equal to the number of target population for small ruminants (sheep and goats) for vaccination minus viable balance stock of last round & additional 10% stock of the NDLM data.
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3.2. Cold Chain Assessment (T-60 Days)

- Assess the storage capacity for vaccine and verify with the stock demanded. Plan delivery schedule upto the block and hospital below the block.
- Assess the availability of vaccine carriers in sufficient numbers and in good condition.
- A person at block level shall be designated who will be responsible for cold chain maintenance and vaccine availability.
- Vans for transport from the district Walk in Cold rooms to the ILRs storage points that is to the block hospital and other hospital below the block.
- Ensure that temperature is maintained at 2-8°C (never Frozen).

3.3. HR Training & Accessory Procurement (T-45 Days)

Head	Action to be taken
Accessories and Consumables.	<p><u>Procurement of Accessories:</u></p> <ul style="list-style-type: none"> The requirement as assessed in the action plan shall be done as per procurement timeline before the scheduled start of the vaccination round. RfP/Bids shall be floated at least 120 days before the scheduled start of Vaccination round. Requirements of Accessories for all Livestock Vaccination programme shall be assessed for full year and accordingly procurement process has to be initiated. <p>Indicative list of accessories and consumables to be kept in readiness at least 45 days before based on the animals in the area</p> <p>Items:</p> <ul style="list-style-type: none"> Sterile Disposable Syringes (5 ml) (numbers as per the demand assessment of the cycle) Sterile Disposable Needles (16-18 gauge) Bio-waste Bags- 2 bags per team Ear Tags with adequate numbers

	<ul style="list-style-type: none"> • Tag applicator <p>Other Items:</p> <ul style="list-style-type: none"> • Thermometer- 1 per team • First Aid Kits with Emergency medicines: <ul style="list-style-type: none"> ○ Antihistaminic injection ○ Topical ointment ○ Maggoticidal/ antiseptic cream/powder/ lotion ○ Anti-inflammatory and analgesic ○ Atropine Sulphate, Dexamethasone injection
Human Resource Planning	<p>Vaccinators:</p> <ul style="list-style-type: none"> • Manpower training shall be completed 45 days before the scheduled start of Vaccination Round. • Sufficient Number of Vaccinators are to be mobilized ensuring the following norms. <ul style="list-style-type: none"> ○ @1 vaccinator for around 50 vaccine doses per day in normal areas. ○ @1 vaccinator for around 30 vaccine doses per day in Hilly, Desert and other difficult areas. ○ Vaccination Campaign shall not exceed 45 days. • The service area of each vaccinator must be pre-identified and designated before the campaign and should be completed at least 30 days prior to the round. <p>Supervising Veterinarians: @1 Veterinarian per 4-5 Vaccinators. Note: Migration routes: Dedicated vaccinators along with Supervisory Veterinarians shall be provided.</p>

3.4. Microplan

Head	Action to be Taken
Preparation of Microplan. (T-30 Days)	<p>A. State should ensure preparation of the microplan at least 30 days before the start of the vaccination campaign in the template provided in Annexure- II. The same may be uploaded in NDLM Portal.</p>
Sharing of microplan (T-21 days)	<p>B. The micro plan to be shared with all the stakeholders, atleast 3 weeks before, as under: Vaccinators, Supervisors, Veterinary officers, Block Veterinary Officers, NDLM Nodal officers at all levels, Gram Panchayat Sarpanch, Block Development Officers, CEO, Zila Parishad, District Collector. (Responsibility: Block Veterinary Officer. Supervision: District Veterinary Officer.)</p>



	<p>C. Components of Microplan:</p> <ol style="list-style-type: none"> 1. Name of the Block 2. Name of the Village Panchayat. 3. Nodal Point for Vaccine Collection 4. Name and Contact details of Nodal Point for Vaccine Collection. 5. Date/Dates of Vaccination. 6. No of Vaccinators allocated. (around 50 Vaccines per day) * 7. Name of the Vaccinator/s with Mobile Number. 8. Name of the Data Entry Operator/s with Mobile Number. 9. Name of the Supervisor with Mobile Numbers. 10. Name of the Veterinarian. <p>*The Number of Vaccines to be planned for Hilly, Desert and other Difficult areas shall be 30.</p>
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4. Phase II: Campaign Execution (Day 0 to Day 45).

Uploading of Vaccination Data	Vaccination and uploading of the data shall be done as per the SOP/Guidelines issued in OM No. K-11053/51/2025-LH (E-39174)/01 Dt: 31.12.2025. (Copy enclosed).
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5. Phase III: Post-Campaign & Monitoring.

NDLM system will generate random village and designate officer for physical verification of vaccine during monitoring.

Monitoring Activities	
Head	Action to be taken
Mop Up or Follow up round vaccination	<ul style="list-style-type: none"> • Mop Up Round shall be planned 30 to 60 days after the end of the vaccination in designated area. • Left out flock in the vaccination round shall be prepared based on NDLM Data. <p>Mop-Up Vaccination Strategy:</p> <p>Target missing Flock:</p> <ul style="list-style-type: none"> • Flock/Animals absent or missed during the main round • Diseased animals/ flocks which recovered. • Late entry into 4-month age window (newly eligible young stock- Animals aged between 2 and 4 months that were not vaccinated during the planned vaccination period in the designated area may be included in the target eligible age group >4 M during the mop-up round, to increase overall vaccination coverage) <p>Vaccination: Dedicated teams with Vaccinators and Supervisors assigned for 100% coverage of identified animals/ flocks with 10 days.</p>



	Data Recording: The vaccination data shall be entered in NDLM Portal.
Sero monitoring	<ul style="list-style-type: none"> Post-vaccination seromonitoring/population immunity assessment shall be undertaken as per approved sampling plans provided by ICAR-NIVEDI, with serum samples of sheep and goats collected within 60-90 days after vaccination and to be tested at ICAR-NIVEDI / approved designated laboratory by DAHD, GoI for programme performance assessment.

5. Awareness Programme

Heads	Action to be taken																								
Awareness Programme	<ul style="list-style-type: none"> Start campaigns 30–45 days before vaccination. Intensify outreach 10–15 days prior. Continue during the entire vaccination period. Monitoring Committee may consist of Taluka/BDOs/DMDCs Engage with different institutional partners like the dairy cooperatives, dairy federations, Panchayati Raj Institution (PRIs), Pashu Sakhi and Mitras. 																								
Campaign activities	<p>State level: Press releases in major newspaper, AIR, FM, Social media posts in Govt channels.</p> <p>District level: Local newspaper, radio spots, press briefing.</p> <p>Village level: Gram Sabha resolution regarding Brucellosis vaccination, awareness meetings in dairy and agricultural cooperatives. Active involvement of Gram Panchayats.</p> <table> <thead> <tr> <th>Level</th> <th>Campaign Activities</th> <th>Timeline</th> <th>Coverage Target</th> </tr> </thead> <tbody> <tr> <td>State:</td> <td>Press releases, TV coverage, social media, radio announcements</td> <td>30-45 days before</td> <td>100% state coverage</td> </tr> <tr> <td>District:</td> <td>Newspaper ads, radio spots, press briefings</td> <td>30-45 days before</td> <td>100% district coverage</td> </tr> <tr> <td>Block:</td> <td>Local awareness meetings, cooperatives engagement</td> <td>30-45 days before</td> <td>100% block coverage</td> </tr> <tr> <td>Village:</td> <td>Door-to-door messaging, 100% household coverage, messaging to all the farmers through NDLM:</td> <td>Three times:</td> <td></td> </tr> <tr> <td></td> <td></td> <td> <ul style="list-style-type: none"> 10-15 days before, on the day of campaign 10 days into the campaign period 5 days before the scheduled date of vaccination for the particular village. </td> <td></td> </tr> </tbody> </table>	Level	Campaign Activities	Timeline	Coverage Target	State:	Press releases, TV coverage, social media, radio announcements	30-45 days before	100% state coverage	District:	Newspaper ads, radio spots, press briefings	30-45 days before	100% district coverage	Block:	Local awareness meetings, cooperatives engagement	30-45 days before	100% block coverage	Village:	Door-to-door messaging, 100% household coverage, messaging to all the farmers through NDLM:	Three times:				<ul style="list-style-type: none"> 10-15 days before, on the day of campaign 10 days into the campaign period 5 days before the scheduled date of vaccination for the particular village. 	
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Name of the State/UT Name of the Nodal Officer: Contact Details of Nodal Officer: Date of Receipt of Vaccine at District:					
Sl. No.	District	Target Flock	Requirement of Vaccines	Nodal Points	Incharge of Nodal Point with Contact Details. (Phone, email etc)
1					
2					
3					

Format for Micro-Planning:

ANNEXURE II

Main/Mop up.						
Sl. No.	Name of the Village Panchayat	Name of the Village	Total Number of Target Animals	Number of Days and dates on which Vaccination Planned	Name of the Supervisor/s and Contact Number	Collection Point Incharge Contact Number
1				a)Day 1 b)Day 2 c)Day 3		
2						



ANNEXURE IIA

Area Allocation for Vaccinators.

Name of the State/UT

Name of District:

Name of Block:

Name of the Cluster:

Vaccination Cycle Start Date:

Name of the Vaccinator

Name and Contact of the Supervisor:

Main/Mop up.

Sl. No.	Date	Name of the Village Panchayat	Name of the Village	Target Animals	Total Vaccinated to Date	Name and Mobile number of Village Pradhan/Head.
1						

