

GOVERNMENT OF INDIA
MINISTRY OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
DEPARTMENT OF ANIMAL HUSBANDRY AND DAIRYING
LOK SABHA
UNSTARRED QUESTION No. 301
ANSWERED ON 21st JULY, 2026

NATIONAL DIGITAL LIVESTOCK MISSION

301. **SMT. BHARTI PARDHI:**

SHRI NARESH GANPAT MHASKE:

DR. SHRIKANT EKNATH SHINDE:

SHRI SHRIRANG APPA CHANDU BARNE:

SHRI RAVINDRA DATTARAM WAIKAR:

Will the Minister of FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
मत्स्यपालन, पशुपालन और डेयरी मंत्री
be pleased to state:

- (a) Whether the Government has operationalised the integrated National Digital Livestock Mission digital infrastructure across all states to enforce centralized health mapping and digital tracking for dairy herds, if so, the details thereof;
- (b) the details of the advanced data encryption standards and blockchain-backed protocols deployed to protect livestock identity data from unauthorized database manipulation;
- (c) the structural checks established within the unified portal to ensure seamless, real-time data synchronization across remote block-level mobile veterinary units;
- (d) the criteria used to grant Application Programming Interfaces (API) integration rights to scheduled commercial banks to automate collateral-free working capital loans for smallholder farmers;
- (e) the measures taken by the Government to host localized outbreak prediction models directly on the interface to assist field veterinary officers in active monitoring; and
- (f) the projected reduction in processing timelines for formal micro-credit applications following the nationwide deployment of this infrastructure?

ANSWER

**THE MINISTER OF FISHERIES, ANIMAL HUSBANDRY AND DAIRYING
(SHRI RAJIV RANJAN SINGH ALIAS LALAN SINGH)**

- (a) The Government has operationalized the Integrated National Digital Livestock Mission (NDLM) digital infrastructure across all States and Union Territories (UTs). Under this system,

every registered animal is assigned a unique 12-digit Tag ID, which serves as a permanent identifier for recording and tracking all animal-related activities, including vaccination, artificial insemination, deworming, treatment, and other veterinary interventions. The Tag ID, along with the complete history of activities undertaken on the animal, is maintained in the NDLM database and is accessible to authorized stakeholders for reference, monitoring, planning, and service delivery.

(b) To protect livestock identity data AES-256 (Advanced Encryption Standard, 256-bit key) is used for 'data at rest' and 'data in transit' is secured using Transport Layer Security (TLS) with RSA 2048-bit certificates. This ensures end-to-end encryption using industry-standard, government-grade security.

(c) Currently, Mobile Veterinary Units (MVUs) are not integrated with NDLM - Bharat Pashudhan Portal.

(d) Department has received no request from any bank for Application Programme Interface (API) integration till date.

(e) The National Animal Disease Referral Expert System (NADRES_v2) of Indian Council of Agricultural Research - National Institute of Veterinary Epidemiology and Disease Informatics (ICAR-NIVEDI) can be accessed on the designated portal from anywhere anytime for advance preparedness and response. However, this module has not been integrated with NDLM – Bharat Pashudhan Portal.

(f) As of now, there is no micro-credit provision under any scheme of this Department.
