

Notification No: 02

Date: 24.04.2026

**REQUEST FOR EXPRESSION OF INTEREST (EOI)
FOR EMPANELMENT OF EXECUTING AGENCY FOR
"ESTABLISHMENT OF NEW BOVINE FROZEN SEMEN
STATION AT CHIPILIMA, SAMBALPUR, ODISHA".**

EOI DOCUMENT

Chief Executive Officer,
Odisha Livestock Resources Development Society
(OLRDS) OBPI Campus, OUAT, Siripur
Bhubaneswar-751003

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24/4/26

1. INTRODUCTION:

Odisha Livestock Resources Development Society (OLRDS) functioning under the Fisheries and Animal Resources Development Department is committed to the genetic up-gradation of cattle and buffalo in Odisha to improve their potential and productivity through organized Breeding Services and has planned to expand the AI network across the state to enhance genetic improvement and Productivity in the bovine population.

At present, AI coverage remains limited and to achieve sustainable growth in livestock productivity, the Department aims to bring 70% of the breedable bovine population under AI coverage annually.

To achieve 70% AI coverage, the annual requirement of semen doses has been estimated at approximately 45 lakh doses. Therefore, a new bovine semen station with a minimum production capacity of 50 lakh (5 million) doses/year has been proposed at Chipilima (Sansinghari & Badsinghari village), Sambalpur.

2. OBJECTIVE:

- The OLRDS invites EOI for empanelment of executing agencies well experienced, reputed firms government/ non-govt. entity/ society/ registered company/ limited liability partnership for establishment of a new bovine frozen semen station at Chipilima, Sambalpur, Odisha under Rashtriya Gokul Mission.
- The proposed production capacity of the new semen station will be of 5.0 million semen doses per year by maintaining 200 bulls under collection by the 5th year of the operation.
- The planned infrastructure at the new frozen semen station must be designed to supply advanced lab setup & breeding bull management system conforming to MSP-2025 & ISO certificate. The comprehensive setup will facilitate the integration of cutting-edge technologies and services in bovine frozen semen production practices.

3. DESIGN AND PLANNING CONSIDERATIONS:

- **All the design & planning will be considered as per the technical consultancy provided by NDDB for this purpose.**
- The design must prioritize optimal functionality while ensuring full compliance with relevant regulations and safety standards as per MSP-2025. Agencies are expected to integrate key elements such as efficient workflow, proper equipment layout, and robust safety protocols, including infection control and biomedical waste handling.
- The design must also adhere to applicable national and international standards, guidelines, and accreditation requirements. Agencies should clearly specify the standards and guidelines applied to each

24/11/26

relevant aspect of the design in their submission.

4. KEY CONSIDERATIONS INCLUDE:

- Aesthetically appealing and functional layouts.
- Building infrastructure that meets the requirement for implementing strict biosecurity measures, comfort of bulls, safety of workers and staff and smooth integration of various operational process alongside the implementation of cost-effective and labor-saving measures.
- Facilities would be provided in the bull sheds to reduce summer stress. The safety of both the handlers and the animals would be the top priority in all structures including bull houses & the collection arena.
- The laboratory would be equipped with essential and modern equipment for semen processing to ensure utmost efficiency of the laboratory and production of quality semen doses in accordance to the minimum standard protocol prescribed by DAH&D, Govt. of India. Installation of infrastructure to support the electrical load of the lab, bull shed, administrative block & residential area including the campus. The project includes appropriate plumbing installation, liquid nitrogen delivery system with proper pipe line infrastructures for bulls, laboratory and personnel in addition to dedicated water installation for campus maintenance.
- Mechanization of the fodder production activities has been a key consideration and hence farm mechanization equipment may be proposed for green fodder cultivation.
- The ICT items and other infrastructure required for implementation of Semen Station Management Systems (SSMS).
- Optimized workflows to enhance operational efficiency.
- Comprehensive civil works including construction of new structural elements, flooring, epoxy layout, wall finishings and ceilings as applicable conforming Minimum Standards for Production of Bovine Frozen Semen 2025.
- Seamless integration of lab automation solutions for enhanced operation.
- Semen Station management systems (SSMS) for data management.
- Comprehensive safety measures, including fire safety and pollution control.
- Agencies are expected to address these considerations in their proposals to ensure a highly functional and bio safety laboratory environment aligning with technical consultancy provided by NDDB.

5. SCOPE OF WORK:

The scope of work covers design, engineering, procurement, installation, commissioning, validation, documentation, training, and post warranty CAMC support across civil, mechanical, electrical, water/utility systems.

The basic scope of work shall include the following components.

a. Civil Works:

- It is proposed to build infrastructure that meets the requirement for implementing strict biosecurity measures and ensures optimal production of disease-free, high quality semen doses, while taking into account the comfort of bulls, safety of workers, staff and smooth integration of various operational process, alongside the implementation of cost-effective and labor-saving measures.
- For implementing strict bio-security measures, all the facilities must be compartmentalized into zones for Bulls, Collection arena and semen processing laboratory, administrative office buildings including go-downs for storage of hay and concentrate and Residential quarters.
- A separate calf rearing station and an isolation shed & veterinary dispensary must be located at a distance from the main bull sheds & a quarantine station for bulls will be established away from the production unit.
- The civil designs would ensure ease in bull management operations and support the bulls in attaining their optimum production potential. Facilities would be provided in the bull sheds to reduce summer stress, which is a major factor limiting production.
- The safety of both the handlers and the animals would be the top priority in all structures including bull houses or the collection arena. The strict bio security plan be included like compound wall, entry & exit plan etc.

b. Laboratory Equipment:

- The laboratory will be equipped with essential and modern equipment for semen processing & quality control. This equipment would not only ensure utmost efficiency of the laboratory but also ensure the quality of the frozen semen doses processed.

c. Farm Machineries and equipment:

- There will be fodder cultivation & production for all the animals maintained in semen station.
- The farm machineries & equipment will be used for efficient fodder cultivation practices, production, transportation, storage and delivery to the bull station.
- Proper aesthetic landscaping & gardening of the newly constructed FSB campus is highly essential to create a welcoming, ecofriendly, productive cooler microclimate.

d. ICT for Semen Station:

- There will be installation of Semen Station Management System (SSMS) to facilitate day- to-day operations of the semen station.
- The semen station is committed to implement and use all modules of SSMS (Except information related to their clients/customers, being business sensitive) right from the day of installation of SSMS.

- The installation & operationalization of SSMS conforming to the technical consultancy provided by NDDB.

6. ELIGIBILITY CRITERIA:

Interested agencies must fulfill the following:

- Be a govt./non-govt. entity/ society/ registered Company/ (Limited Liability Partnership) LLP with valid PAN and GSTIN.
- Have experience on construction of Semen Station or other veterinary infrastructure development or similar type of related work.
- Preference shall be given to firms having experience in executing Semen Station infrastructure projects/ Veterinary Laboratory/ other State of Art/ Veterinary institutions for Government or public sector institutions.
- Financial capability to undertake the project.
- Have demonstrated AMC/CAMC and O&M support experience in Semen Station infrastructure projects/Veterinary Laboratory/State of Art other Veterinary institutions.
- Should have valid statutory registrations/documents: GST, PAN, IT returns and relevant ISO certification.
- Valid authorization letters in case of distributor/system integrator participation.
- Not be blacklisted by any State/ Central Government body for infrastructure/machinery or establishment of such activity.
- Bidder should have prior experience of successful completion of projects of Building / Infrastructure works in Govt. Sector.
- The agencies must be litigation free record with Government of Odisha.

7. PROPOSAL REQUIREMENTS:

Interested agencies must submit the following documents in a sealed envelope:

- Letter of Intent (LOI) with proposed scope.
- Company profile with technical credentials/statutory document.
- Proof of similar assignments (work orders/completion certificates).
- Execution and operational methodology note.
- List of technical personnel and deployment plan.
- Proof of relevant experience and IT return. (last 3 years)
- Business and sustainable plan outline.
- Average turn over for last three years from a chartered accountant.

8. Important Notes:

- The EOI is only for empanelment of executing agencies.
- Shortlisted organizations based on EOIs may be invited for presentation/discussion.

- During the presentation, agencies should also address any questions from OLRDS, clarify details of their solution and demonstrate the suitability of their approach.
- If necessary, OLRDS may suggest any additional specifications to the detailed structural design & drawings aligning with technical consultancy provided by NDDB that needs to be incorporated into the project proposal.
- The OLRDS reserves the rights to accept or reject any or all EOIs without assigning any reasons.
- On receipt of EOI from interested and capable organizations OLRDS will decide the next course of action.

9. Timeline for Submission of EOI:

- EOI Release Date: 24.04.2026
- Deadline for submission of queries if any to the CEO, OLRDS (through Email-olrdsahd@gmail.com) 11.05.2026, 5PM
- Submission Deadline: 11.05.2026, 5.00PM
- Mode of Submission: Physical submission only.
- Submission Time: Between 10:00AM to 5:00PM on working days.

Submission Address:

**The Chief Executive Officer,
Odisha Livestock Resources Development (OLRDS),
OBPI Campus, OUAT, Siripur,
Bhubaneswar-751003**

(Handwritten Signature)
**Chief Executive Officer,
Odisha Livestock Resources Development
(OLRDS)**