



Training Report

Self-Sponsored Training Programme on

“Scientific pig production and health management practices for large scale pig farming”

Date: 04-06 August, 2026

Venue: ICAR-NRC on Pig, Rani, Guwahati, Assam

Organized by

ICAR-National Research Centre on Pig, Rani, Guwahati, Assam

Course Director:	Dr. Vivek Kumar Gupta	Director, ICAR-NRC on Pig
Coordinators:	Dr. Vishal Rai	Scientist, ICAR-NRC on Pig
	Dr. Jaya	Scientist, ICAR-NRC on Pig
	Dr. Rafiqul Islam	Pr. Scientist, ICAR-NRC on Pig

A three-day, residential training programme on “Scientific pig production and health management practices for large scale pig farming” was successfully conducted at the ICAR–National Research Centre on Pig, Rani, under the guidance of Dr V.K. Gupta, the institute's Director. The self-sponsored Training was organized with the objective of enhancing the knowledge and practical skills of participants in scientific pig production, health management and modern commercial pig farming practices. Ten candidates from different parts of India viz. Bihar, Madhya Pradesh, Manipur, Assam, West Bengal, participated in the Training.

The programme began with participant registration and a pre-training evaluation. Sessions focused on the role of organized pig farming in improving livelihoods and nutritional security. The scientists explained the swine genetic resources India, their breeding strategies and the selection of breeding stock. Modern pig housing systems and management practices for piglets, growers, breeding animals and sows were discussed. Participants also learned scientific feeding practices, feed formulation, and silage preparation through practical demonstrations.

The second day covered record keeping, data management and methods to control inbreeding in commercial pig farms. Lectures on reproductive management and artificial insemination explained heat detection, breeding schedules and extended semen preparation. Participants learned about common bacterial and viral diseases, their diagnosis, prevention, and treatment strategies. Additional sessions addressed integrated pig farming, neonatal piglet management, scientific waste disposal, disease sample collection, and practical demonstrations on drug administration and artificial insemination.

The final day emphasized on hygienic slaughter techniques and pork processing with practical demonstrations. Participants received hands-on training in estrus synchronization, pregnancy diagnosis, boar semen processing, storage, evaluation and quality control. Sessions also covered common parasitic diseases, farm biosecurity and the use of Information and Communication Technology (ICT) applications in modern pig husbandry. The programme concluded with discussions on stakeholder linkages, Self-Help Groups (SHGs), Farmer

Producer Organizations (FPOs) and Farmer Producer Companies (FPCs), followed by participant feedback, the valedictory function, and certificate distribution.

Overall, the programme effectively fulfilled its objectives by equipping participants with scientific knowledge, practical competencies, and greater awareness of modern pig production and management practices. The programme concluded with an address by Dr. Rafiqul Islam, Nodal Officer, Training Cell and a vote of thanks delivered by Dr. Vishal Rai, Scientist, who expressed sincere gratitude to Dr. V. K. Gupta, Director of the Institute, for his constant guidance and support. He also thanked all the resource persons for sharing their expertise and acknowledged the enthusiastic participation and active involvement of the trainees from different states, which contributed significantly to the success of the programme.

Some Glimpses of the Training Programme

