Training Report

Training Programme on

"Profitable Pig Farming through Artificial Insemination and Other Management Techniques"

Date: 02–05 November, 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
Course Coordinators:	**Dr. Rafiqul Islam**	Principal Scientist, ICAR-NRC on Pig
	Dr. Jaya	Scientist, ICAR-NRC on Pig
	Dr. Salam Jayachitra Devi	Scientist, ICAR-NRC on Pig

A four-day training programme on "Profitable pig farming through artificial insemination and other management techniques" was successfully conducted at ICAR–National Research Centre on Pig, Rani, Guwahati from 02 to 05 November, 2026, under the guidance of Dr. V. K. Gupta, Director of the institute. The training was sponsored under the Institute Tribal Sub-Plan (TSP), which aimed to train participants with scientific knowledge, skills in pig artificial insemination, and modern management practices essential for establishing and sustaining profitable piggery enterprises. It was attended by 23 participants (11 females and 12 males) from different districts of Assam viz. Karbi Anglong, Baksa and Goalpara and one from Manipur.

The training commenced on Day 1 (02.11.2026) with participant registration and a pre-training evaluation coordinated by Dr. Jaya. The inaugural technical lecture highlighted the role of scientific pig management practices for achieving economic prosperity and livelihood security. Subsequent technical sessions focused on the scientific breeding strategies along with measures to control inbreeding on pig farms by Dr. Satish Kumar. The sessions also covered modern pig housing designs and management of different categories of pigs including neonates by Dr. Kalyan De, concluding with a session on the nutritional requirements of different age groups of pigs and economical feed formulations by Dr. Lokesha E.

On the second day (03.11.2026), technical deliberations began with farm record keeping and data management followed by a comprehensive session on the management of neonatal and growing pigs alongside scientific farm waste management by Dr. Nitin M. Attupuram. Dr. Rafiqul Islam elaborated on porcine reproductive physiology and management practices in breeding stock tailored for artificial insemination. The afternoon was dedicated to intensive practical demonstrations, starting with heat detection, estrus synchronization, field transportation of semen doses, and artificial insemination techniques in pigs conducted by Dr. Sunil Kumar. Further hands-on training included practical demonstrations on the rational use of essential veterinary drugs in swine health management and routine healthcare operations along with the application of essential disinfectants for farm treatment and biosecurity management demonstrated.

The third day (04.11.2026) opened with sessions on the post-harvest sector, beginning with basic principles of hygienic slaughter and pork processing, followed by value addition in pork and pork products by Dr. Sadhana Ojha. Thereafter, Dr. Swaraj Rajkhowa addressed economically important diseases of pigs and their preventive and control measures. Dr. Pranab J. Das discussed structured breeding plans for economic and integrated pig farming. Subsequent lectures covered optimum body condition scoring and extreme weather management in pig farms by Dr. Jaya, and the critical importance of farm biosecurity measures, screening of pigs for disease diagnosis, clinical sampling procedures, and sample transportation by Dr. Juwar Doley.

The final day (05.11.2026) commenced with technical lectures on parasitic diseases of pigs and their control measures, followed by a session on viral and emerging transboundary swine diseases delivered by Dr. Rajib Deb. The afternoon featured a session on smart and sustainable technological innovations and tools for modern pig production by Dr. S. Jayachitra Devi.

The programme concluded with a formal feedback session coordinated by Dr. S. Jayachitra Devi, followed by the valedictory function and distribution of certificates to the trainees. he training programme received highly positive feedback from the participants. The coordinators expressed sincere gratitude to the Director, resource persons, supporting staff, and all trainees for their active participation and contribution to the successful completion of the training programme.

Glimpses of the Training Programme





Introductory Session of the Training Programme




Lecture Session by the Scientific Experts in the Training Programme




Interactive Session by the Scientific Experts




Valedictory Session: Certificate Distribution to the Participants

