



Training Report

Short Term Residential training programs

on

“Scientific Pig Farming Practices”

Dates: March 09-10,2026; March 16-17,2026; April 28-29,2026: May 06-07,2026: May 20-21,2026

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

Sponsored by: Tripura Rural Economic Growth and Service Delivery Project (TRESP)
Animal Resources Development Department (ARDD), Govt. of Tripura

Organized by:

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

Course Director:	Dr. Vivek Kumar Gupta	Director, ICAR-NRC on Pig
Coordinators:	Dr. Priyajoy Kar	Scientist, ICAR-NRC on Pig
	Dr. Meera K.	Scientist, ICAR-NRC on Pig
	Dr. Rafiqul Islam	Pr. Scientist, ICAR-NRC on Pig

Five two-day residential training programs on “Scientific Pig Farming Practices” were successfully conducted at ICAR-National Research Centre on Pig, Rani, Guwahati, during the period from March to May 2026. The programs were sponsored by the Tripura Rural Economic Growth and Service Delivery Project (TRESP) in collaboration with the Animal Resources Development Department (ARDD), Govt of Tripura. The training programs were organized under the guidance of Dr. V.K. Gupta, who served as the Course Director. Coordination responsibilities were undertaken by Dr. Priyajoy Kar, Dr. Meera K. and Dr. Rafiqul Islam. A total of 119 participants comprising 14 men and 105 women from various districts of Tripura participated in the five training batches. The programs aimed to strengthen technical capacity and entrepreneurial skills in scientific pig production systems among farmers, rural youth and stakeholders engaged in the piggery sector. The training curriculum was comprehensively designed to address key aspects of modern and scientific pig farming practices. The sessions covered scientific housing and farm infrastructure, breed selection and breeding strategies, reproductive management, scientific feeding and nutrition, animal health care, hygienic pork processing, value addition, digital technologies for farm management, and entrepreneurship development through institutional mechanisms such as Farmer Producer Organizations (FPOs) and Self-Help Groups (SHGs). Routine scientific management practices for sustainable and efficient pig production were also emphasized throughout the programme.

The training methodology combined classroom lectures with extensive practical and hands-on demonstrations to enhance participant learning and field applicability. Technical sessions on scientific housing systems highlighted low-cost and efficient shelter designs suitable for improved pig management. This was followed by sessions on breeding management, breed selection and reproductive strategies.

Participants also received practical exposure to scientific feeding practices, including hands-on demonstrations on silage preparation and feed management. Specialized practical sessions on reproductive management included demonstrations on artificial insemination (AI) techniques and semen handling procedures. Additional laboratory-based practical exposure was provided in semen processing, evaluation and storage techniques. Animal health management sessions, facilitated by the institute's Animal Health Section, focused on common swine diseases, preventive health care and biosecurity measures. Participants were further trained in scientific record keeping and routine farm management practices through interactive demonstration sessions. The programme also included practical demonstrations on hygienic pork processing and value addition conducted at the Livestock Products Technology (LPT) Laboratory. Entrepreneurship-oriented sessions highlighted market linkages, institutional development through SHGs and FPOs, and the use of digital tools and software applications for efficient pig farm management and rural piggery marketing.

Post-training assessments indicated substantial improvement in participants' technical knowledge and practical understanding of scientific pig farming practices. Feedback received from trainees reflected a high level of satisfaction with the overall content, delivery methodology and practical orientation of the programme. The training programs concluded with valedictory sessions held at the ATIC Training Hall of the institute. Certificates were distributed to all participants by the dignitaries, including Dr. Rafiqul Islam, Dr. Priyajoy Kar and Dr. Meera K. In his concluding remarks, Dr. Islam emphasized the importance of entrepreneurship development among rural youth and farmers through scientific piggery enterprises as a pathway for livelihood enhancement and rural economic development. Each participant was provided with a training kit containing a laptop bag, notebook, pen and printed training materials to support continued learning and field-level application of the knowledge gained during the programme.

Glimpses of the Training programs:



Batch -1 of trainees from Tripura at ICAR-NRCP



Batch -2 of trainees from Tripura at ICAR-NRCP



Batch -3 of trainees from Tripura at ICAR-NRCP



Batch -4 of trainees from Tripura at ICAR-NRCP



Batch -5 of trainees from Tripura at ICAR-NRCP