



भारत की 7.5 करोड़ भेड़ों व भेड़ पालकों का हितैषी
किसानों का सच्चा साथी

CSWRI

At a Glance



Indian Council of Agricultural Research

» **Central Sheep and Wool Research Institute (CSWRI)** «

D.A.R.E., Ministry of Agriculture and Farmers Welfare, Govt. of India

Avikanagar, Malpura-304 501, Tonk, (Rajasthan) INDIA





FROM DIRECTOR'S DESK

I am proud to present a snapshot of the institute's presence and research impact citing important milestones. ICAR-CSWRI, established with a vision to enhance the productivity and sustainability of the sheep and wool sector, has made significant strides. We have recently evolved prolific sheep breed - Avishaan that has great demand across the country. Avi MAIL is another innovation, which is a lab on wheels for Artificial Insemination for concentrated breeding, a crucial technology for genetic improvement of sheep. ICAR-CSWRI has been granted a number of patents and copyrights for the innovative technologies and processes, reflecting our commitment to intellectual property and industry advancement. Our major outputs include improved sheep breeds, disease-resistant stock, and value added wool products, which have significantly benefited the rural economy. Our divisions, focused on breeding, genetics, disease management, and wool technology, collaborate on research to tackle challenges faced by the sector. We prioritize training and capacity-building through workshops, field demonstrations, and outreach programs to empower farmers, researchers, and industry professionals. With a legacy of excellence and innovation, CSWRI continues to lead the way in improving the productivity and sustainability of the sheep and wool industry in India and beyond.



Dr. Arun Kumar

Editors : Dr. Arun Kumar, Dr. CP Swarnkar, Dr. Vinod Kadam, Dr. Ajit Singh Mahla, Mr. Naresh Kumar

© 2025-26 ICAR-CSWRI, Avikanagar | All rights reserved.

ICAR-CSWRI IN BRIEF

- Established in 1962 at Malpura, Rajasthan under the aegis of ICAR
- Asia's leading research institute in sheep science
- Spread across 1510 hectares (Main institute) & 3 Research stations across 724 hectares
- Expertise in research, training, extension, breed & product development in sheep husbandry
- Specializing in research and development of rabbit rearing
- Develops value-added post-harvest technologies related to wool, mutton, milk and manure
- Research hub for graduates and postgraduates of veterinary science and textile science
- Providing incubation services to entrepreneurs for agribusiness in sheep, goat & rabbit sector

PRESENCE

Headquarter

ICAR-CSWRI
Avikanagar, Malpura, Rajasthan

Regional Station

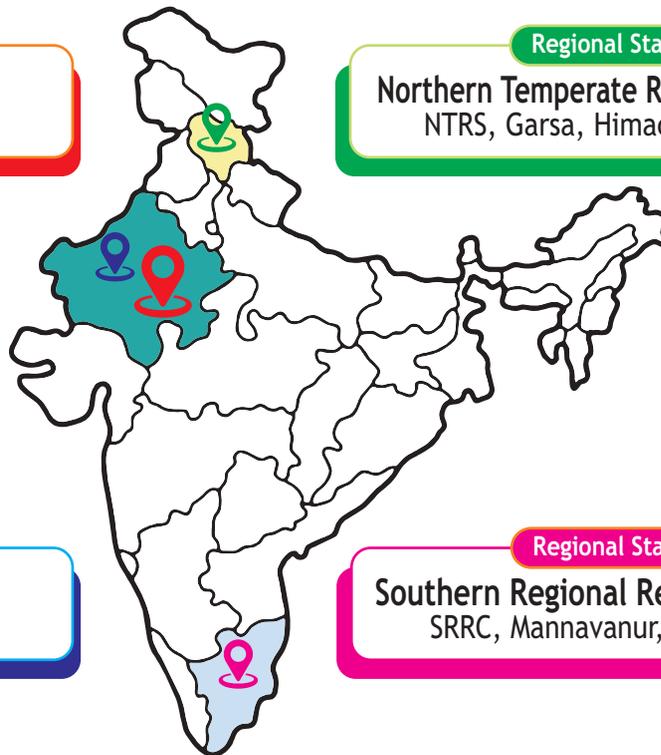
Northern Temperate Research Station
NTRS, Garsa, Himachal Pradesh

Regional Station

Arid Regional Campus
ARC, Bikaner, Rajasthan

Regional Station

Southern Regional Research Centre
SRRC, Mannavanur, Tamil Nadu



VISION

Sustainable sheep production to address the issues and to inspire an exchange of ideas among experts, policy makers, stakeholders, industrial leaders and general public

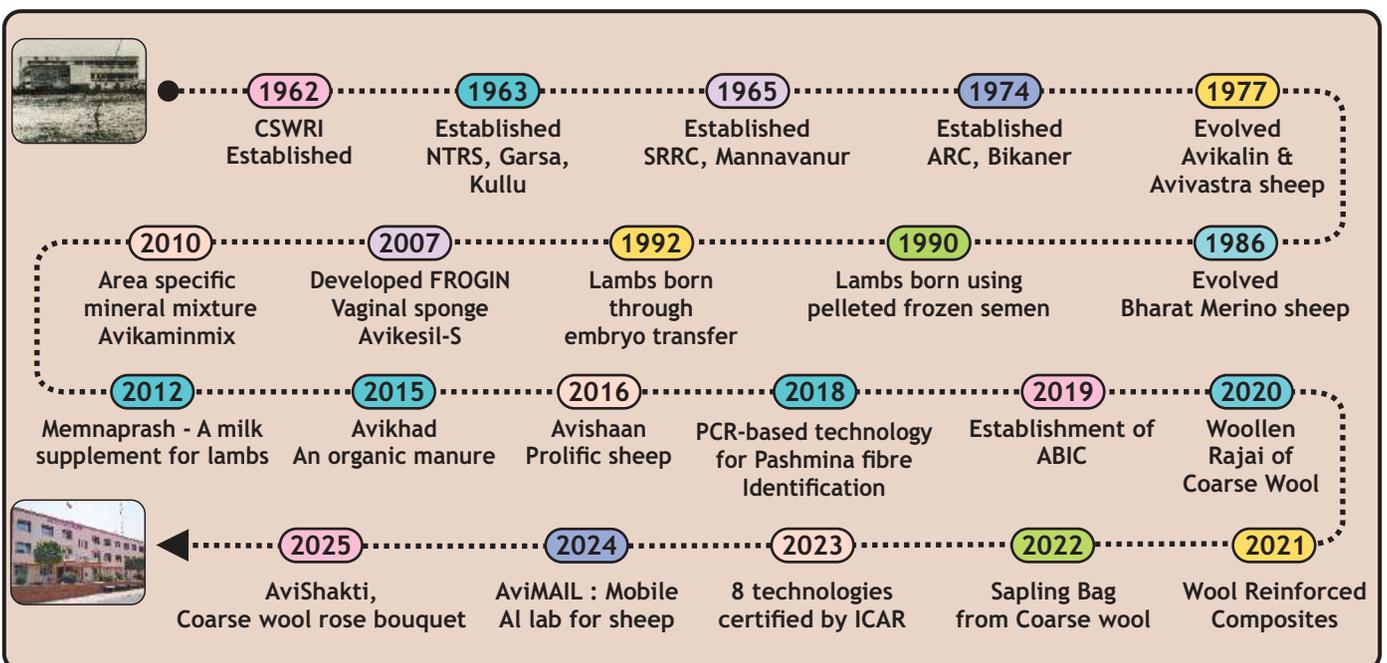
MANDATE

Basic and applied research for improving sheep production, products processing and rabbit husbandry & Dissemination of technologies for sheep productivity enhancement and management

OBJECTIVES

- ➔ To undertake basic and applied research on all aspects of sheep and rabbit production
- ➔ To develop, update and standardize meat, milk and fibre technologies
- ➔ To impart trainings on sheep and rabbit production, health management and utilization
- ➔ To transfer improved technologies on sheep and rabbit production to stakeholders
- ➔ To provide referral and consultancy services on sheep production and products

MILESTONES OF ICAR-CSWRI, AVIKANAGAR



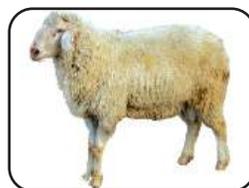
GERMPLASM: EVOLVED AND IMPROVED



Avishaan



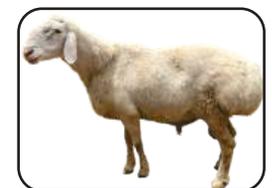
Avihill



Avikalin



Bharat Merino



Dumba



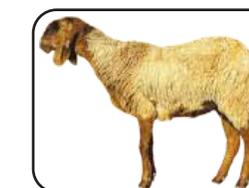
Malpura



Marwari



Chokla



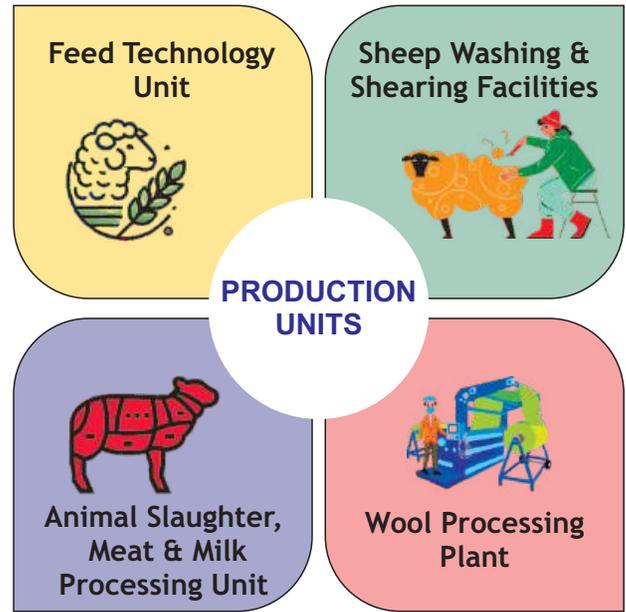
Patanwadi



Magra

Scientific Divisions & Sections

AGB	Animal Genetics and Breeding	
AN	Animal Nutrition	
AGB	Animal Physiology and Biochemistry	
AH	Animal Health	
TMTC	Textile Manufacture and Textile Chemistry	
LPT	Livestock Production Technology	
ToT & SS	Transfer of Technology and Social Science	



MAJOR OUTPUTS



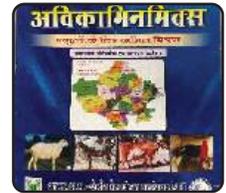
Avishaan
cross breed, FecB Gene introgression



Avikesil-S
progesterone sponges synchronize oestrus for AI



Memnaprash
high-protein liquid milk formula



Avikaminmix
area-specific mineral mixture for livestock



Avi MAIL-AI Lab
mobile lab for estrus synchronization and AI in sheep



Avikhad
organic sheep Manure from Wool waste



Value-Added Sheep Meat Products
sausage, patties, nuggets, kababs, koftas, pickles, mutton soup, snacks



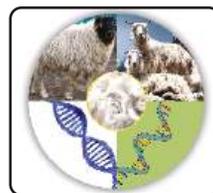
Value-Added Sheep Milk Products
mozzarella cheese, paneer, gulabjamun, kulfi, ghee



Quilt
lightweight, warm and affordable quilt made from coarse wool



Wool Sapling Bag
replacement of plastic, better plant germination, biodegradable



PCR-based DNA Analysis for Pashmina
for purity of pashmina (sensitivity 10%)



Composite
high strength, useful for construction, industrial use

PATENTS GRANTED

Patent No., Date	Title	Contributors
574469 25.11.2025	Recombinant Fusion Protein and Method of Production Thereof	Vijay Kumar Saxena, Raghvendar Singh
555623, 29.11.2024	A Complete Feed Block (Avi-Batika) and a Method for Preparing the Same	R.S. Bhatt A. Sahoo
511439, 16.02.2024	Liquid Milk Formula	R.S. Bhatt, A. Sahoo, S.K. Sankhyan
497204, 10.01.2024	Coarse Wool Fabric Reinforced High Strength Composite and Its Preparation Process	Vinod Kadam, D. B. Shakyawar, N. Shanmugam, Ajay Kumar, Seiko Jose
470546, 20.11.2023	Sperm Membrane Stabilizer	R. K. Paul, R. Singh, Davendra Kumar, Arun Kumar
449708, 05.09.2023	Quilt Comforter & Manufacturing Method for Same	D. B. Shakyawar, N. Shanmugam, Ajay Kumar, Vinod Kadam, Seiko Jose, Arun Kumar, A. Sahoo
434645, 14.06.2023	Sapling Bag & Method of Manufacturing Thereof	Vinod Kadam, D. B. Shakyawar, Mr. Parmar Gaurav, A. Sahoo, Arun Kumar
41467, 15.12.2022	Sound Transmission Loss Tester	Vinod Kadam, Mr. Deepak Bhati, Mrs. Sushma Rani, Mr. N. L. Meena, Ajay Kumar, N. Shanmugam
340284, 02.07.2020	Identification of Cashmere (Pashmina) Fibre from Processed Textile Products By Polymerase Chain Reaction-Based Technique	Rajiv Kumar, D. B. Shakyawar, P. K. Pareek, L. Prince, A. S. Meena, Satish Kumar, A. S. M. Raja, S. A. Wani, S. A. Karim
344857, 24.08.2020	Low Cost Indigenous Cradle for Safe Restraining of Sheep for Pregnancy Diagnosis	V.P. Maurya, V. Sejian, S.M.K. Naqvi, S.A. Karim

COPYRIGHT GRANTED

CF-4501/2019	Memnaprash (Cinematograph film)	R.S. Bhatt
CF-4449/2019	Methane emission by sulphur hexachloride tracer technique (Cinematograph film)	R.S. Bhatt
CF-3786/2014	Seman collection and artificial insemination (AI) in sheep (Cinematograph film)	S.M.K. Naqvi
SW-8118/2014	FROGIN (Forecasting for Rajasthan on Ovine Gastrointestinal Nematodiasis) (Computer software)	C.P. Swarnkar Dhirendra Singh F. A. Khan, V. K. Singh
CF-3785/2014	Estrus Synchronization in Sheep and Goats (Cinematograph Film)	S. M. K. Naqvi

ICAR CERTIFIED TECHNOLOGIES/PRODUCTS

Type	Title	Contributors
Technology	Sound transmission loss testing apparatus	VV Kadam, D Bhati, S Rani, NL Meena, Ajay Kumar, N Shanmugam, Arun Kumar
Product	Coarse wool fabric reinforced	VV Kadam, DB Shakyawar, N Shanmugam, Seiko Jose, Ajay Kumar, Arun Kumar
Product	Eco-friendly coarse wool sapling bag	VV Kadam, DB Shakyawar, G Parmar, A Sahoo, Ajay Kumar, Arun Kumar
Product	Coarse wool-based lightweight quilt comforter	DB Shakyawar, N Shanmugam, Ajay Kumar, VV Kadam, Seiko Jose, A Sahoo, Arun Kumar
Technology	A method of lustre measurement of textile fibers and a mounting platform	Ajay Kumar, DB Shakyawar, Rajiv Kumar, NL Meena, Ashish Chopra, AS Meena, Arun Kumar, M Uttam, P Vishnoi, R Sonkar, Raghvendar Singh
Technology	PCR-based quality estimation technology for purity of Pashmina wool	Rajiv Kumar, DB Shakyawar, PK Pareek, LL L Prince, AS Meena, Satish Kumar, ASM Raja, SA Wani, SA Karim, Ajay Kumar, Arun Kumar
Technology	Ram semen cryopreservation method	RK Paul, Raghvender Singh, D Kumar
Technology	Sperm membrane stabilizer	RK Paul, Raghvender Singh, D Kumar, Arun Kumar
Technology	Mobile Artificial Insemination Laboratory for Sheep (Avi MAIL)	Ajit Singh Mahla, Arun Kumar, S.S. Dangi, Raghvendar Singh
Technology	Avi-Batika: Green Feed for Lowering Methane Emission and Augmenting Lamb Production	R.S. Bhatt, A. Sahoo, Srobana Sarkar, Arun Kumar
Technology	Liquid Milk Formula (Memnprash) for Higher Growth and Survivability in Lambs/Kids	R.S. Bhatt, A. Sahoo, S.K. Sankhyan, Srobana Sarkar, Arun Kumar

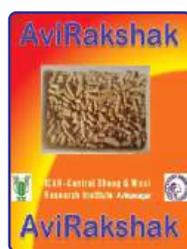
TRADEMARKS REGISTERED



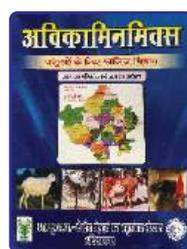
Memnprash



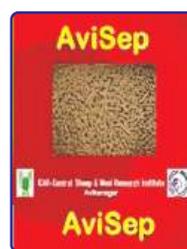
AVIKHAD



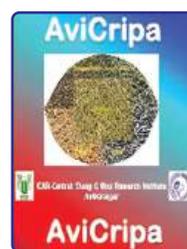
AviRakshak



Avikaminmix



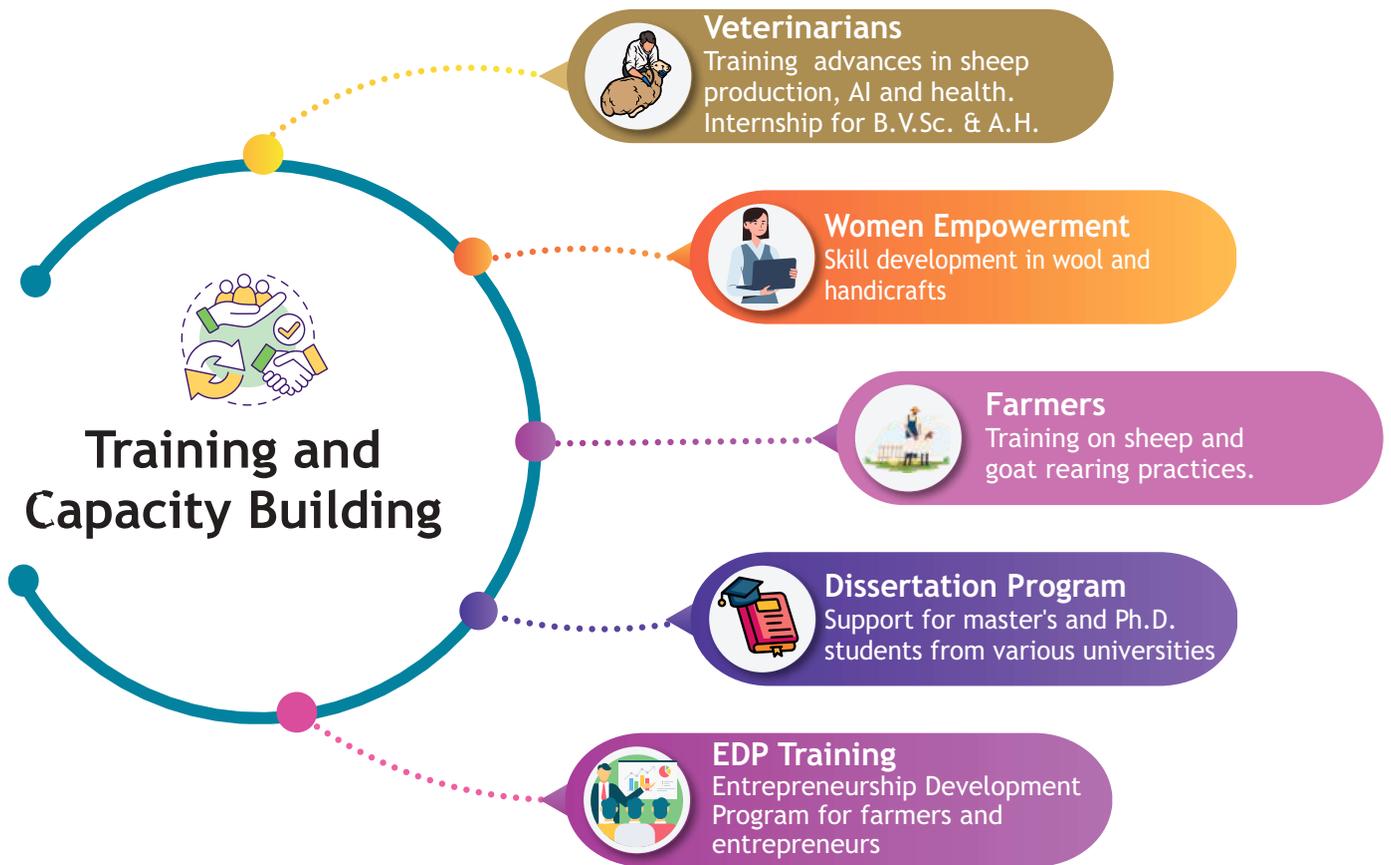
AviSep



AviCripa



Avikesil-S



CONSULTANCY AREAS

Commercial sheep, goat and rabbit farming

Branding, DPR preparation, and smart training facilities

Funding facilitation, IPR assistance and strategic consultancy

Disease management and prevention

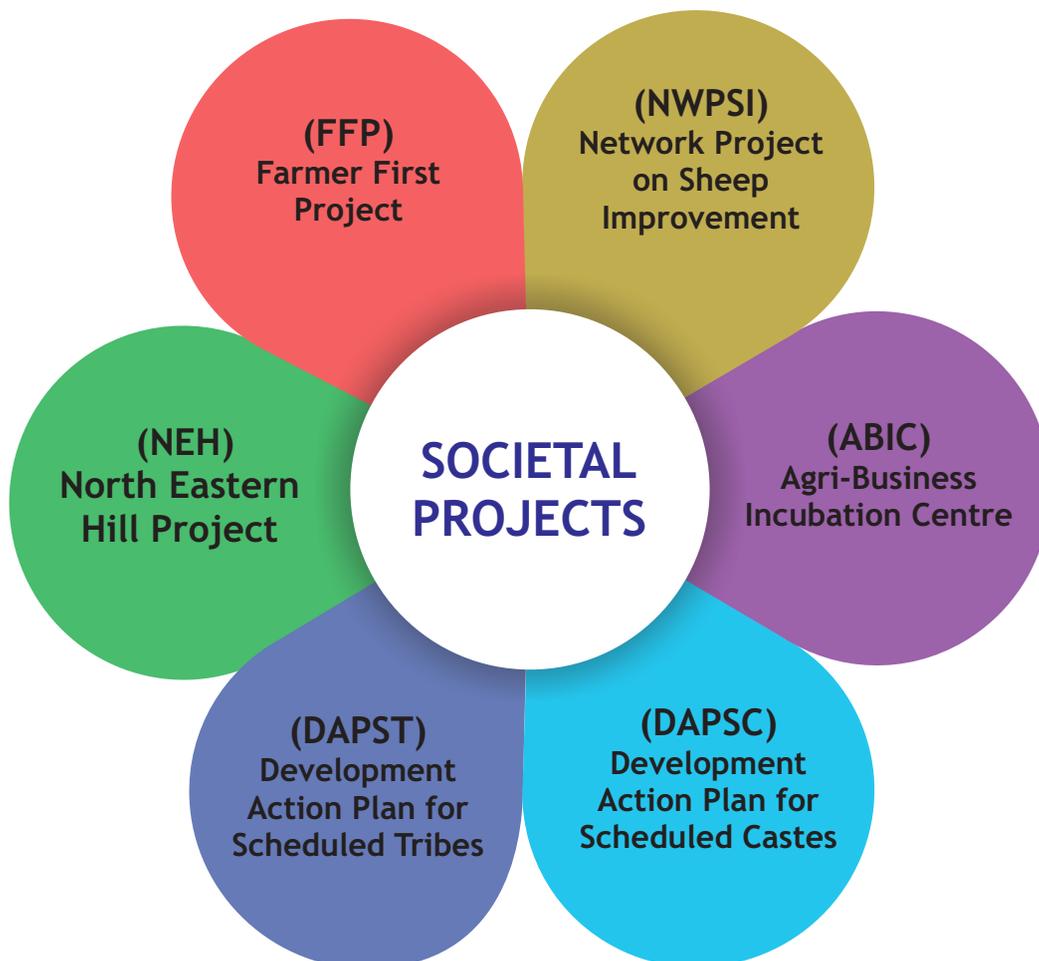
Feed and fodder development

Infrastructure, capacity building and technical mentoring

Reproduction and artificial insemination (AI)

Meat and milk product development

Wool grading, processing and natural dyeing

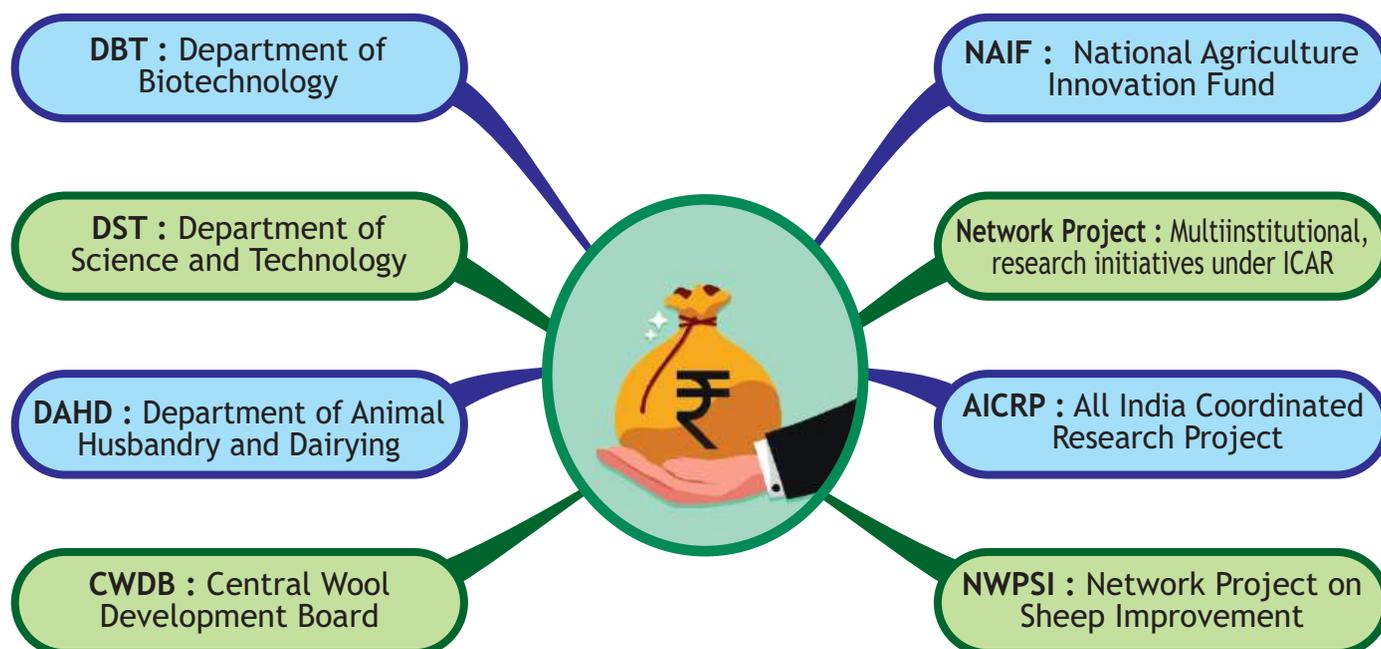


COLLABORATIONS AND EDUCATIONAL INITIATIVES

The institute has Memorandums of Understanding (MoUs) with universities and institutions for postgraduate and Ph.D. research in animal husbandry, sheep, wool, and rural development. It collaborates with Indian Council of Agricultural Research (ICAR) Institutes, State Agricultural Universities (SAUs), State Veterinary Universities (SVUs), the Central Wool Development Board (CWDB), and state departments, enhancing research and development. The institute also provides research and internship facilities for students and conducts training programs for farmers, extension workers, and veterinary officers in animal husbandry.



RESEARCH FUNDING AGENCIES



DIGNITARIES AT CSWRI



HOW TO REACH ICAR-CSWRI, AVIKANAGAR

- Location: Avikanagar, Malpura, Via Jaipur, Tonk {Between Diggi (8 km) and Malpura (5 km)}.
- Nearest Airport: Jaipur International Airport (75 km). Railway Station: Jaipur Junction (85 km).
- By Road: Bus stop at Avikanagar; buses from Sindhi Camp, Jaipur (Malpura/Kekri routes).

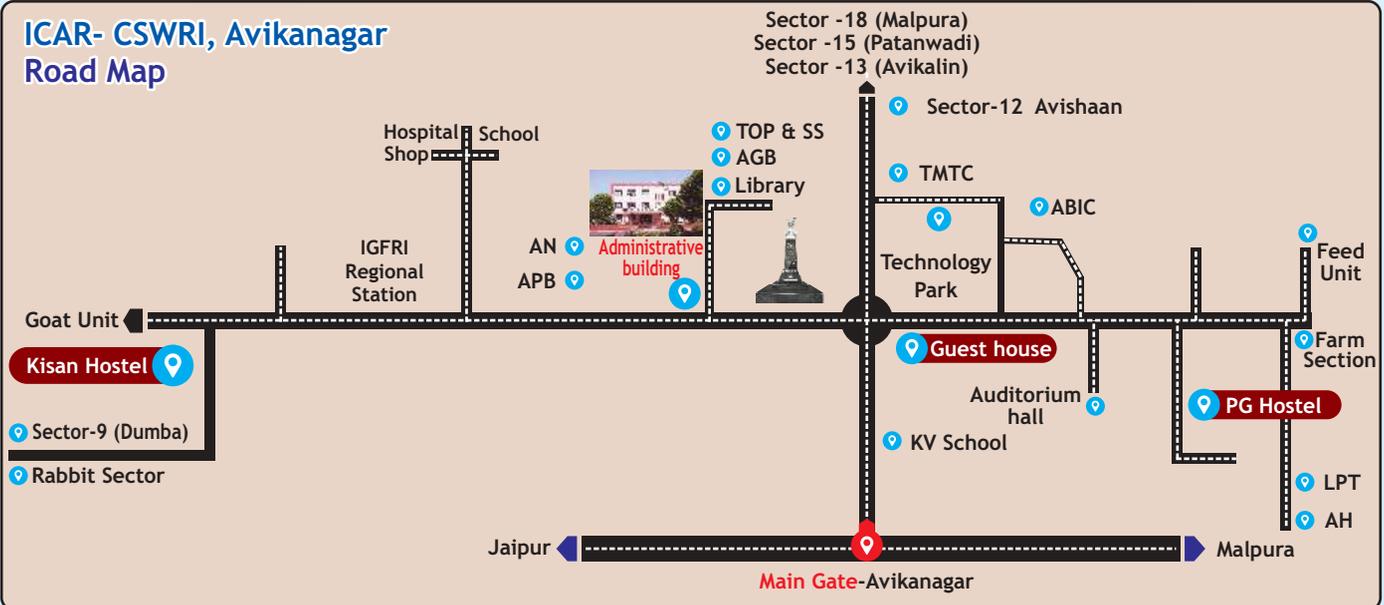
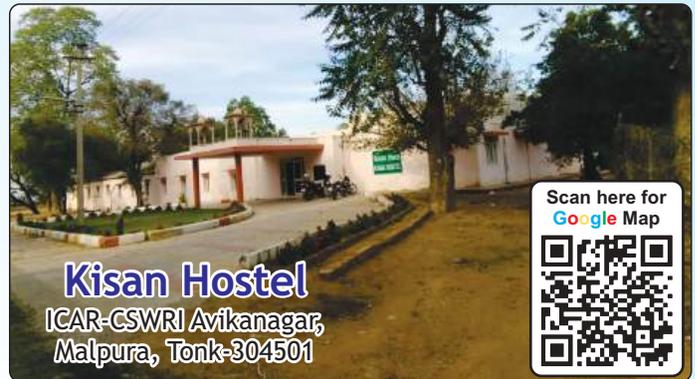
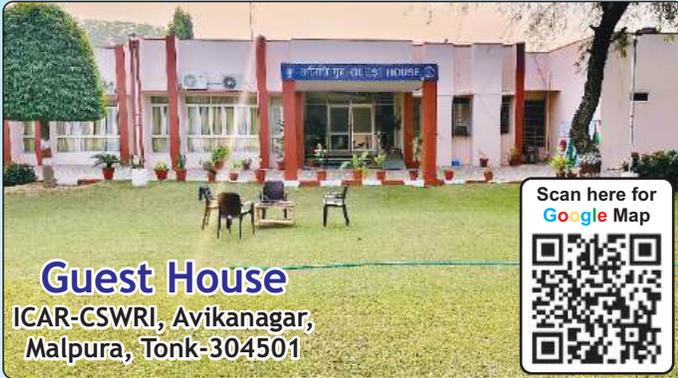
NEARBY ATTRACTIONS

- Ghati Balaji (3 km): Hanuman temple with ongoing 24x7 Ramayan recitation
- Malpura Dadawadi (7 km): A serene Jain pilgrimage spot for meditation and prayer
- Diggi (12 km): Famous for Kalyan Ji Mandir, a Vishnu temple, and historic fort
- Jaipur (85 km): Rajasthan's capital, renowned for forts and vibrant culture
- Pushkar, Ajmer (115 km): Famous for Brahma temple, Pushkar Lake, Animal Fair & Sharif Dargah

Scan here for Location



ACCOMMODATION



Contact Us

Dr. Arun Kumar

Director

ICAR-Central Sheep and Wool Research Institute

Avikanagar (Malpura), Dist.-Tonk, Rajasthan-304 501

Phone : 01437-225212, 220162, Web : cswri.res.in, Email : director.cswri@icar.org.in

Printed by Shiva Offset, Jaipur : 0141-2365721