



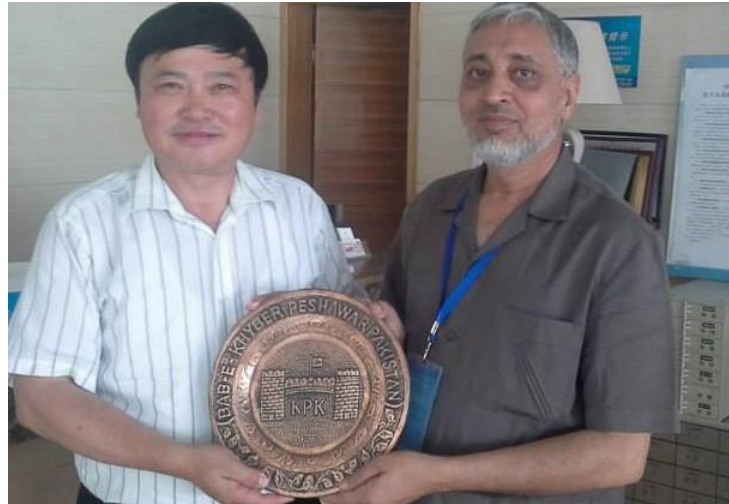
Letter of Intent for
**Technical Cooperation for Livestock
Commercialization (TCLC)**

Between

The University of Agriculture, Peshawar, Pakistan 25120

and

**Chinese Academy of Agricultural Science, 2-Yuanmingyuan West Road, Beijing,
China 100193**



**Prepared during 7th ISZS Congress, 25–28 Aug 2015
Shaanxi Normal University, Xi'an, Shaanxi province, China.**

1. Preamble

The University of Agriculture Peshawar has been a seat of high learning in agricultural sciences, including livestock health and production. The Faculty of Animal Husbandry and Veterinary Sciences awards under-graduate and postgraduate programs in livestock management, nutrition, theriogenology, pathology and poultry sciences. Industrial linkage has been a significant component of outreach programs of the Faculty. Dairy Science Park (DSP), a society registered under Societies' Registration Act XXI of 1860, Government of Pakistan, has emerged at the Faculty, to support the people of the war-hit Khyber Pakhtunkhwa province of Pakistan and the adjoining Afghan Regions. The DS Park has provided a common platform for the Academia, government, farming and business community of the Region to support the stakeholders and prepare the region as a Halal meat export base.

The Chinese Academy of Agricultural Sciences (CAAS) is a national, integrative agricultural scientific research organization with responsibility for carrying out both basic and applied research, as well as research into new technologies impacting agriculture. International cooperation is an essential part of the mission of CAAS. It has set up successful cooperative agreements or memoranda of understanding with numerous international institutions, organizations, and companies as well as non-governmental organizations, civil societies, and international foundations. Presently, there are 27 joint laboratories and research centers set up in cooperation with various countries and international organizations and 13 international organizations and foreign agricultural institutions have established liaison offices within the academy.

The Intent

Faculty of AH and Vet Sciences (FAHVS), The University of Agriculture Peshawar and Beijing Institute of Animal Science and Veterinary Medicine (BIASVM), Chinese Academy of Agricultural Science, 2-Yuanmingyuan West Road, Beijing China 100193 will have an opportunity for establishing Technical Cooperation for Livestock Commercialization under Dairy Science Park.

This Letter was developed during a discussion between Prof M Subhan Qureshi, Dean FAHVS,UAP; Tel. +92 300 587 7933, Email drmsqureshi@aup.edu.pk; and Prof Gang Li, Director, Beijing Scientific Observation Experimental Station for Veterinary Drug and Veterinary Biotechnology of MOA, Beijing Institute of Animal Science and Veterinary Medicine, CAAS; Mob +86 1369 3056 739; ligang03@caas.cn while attending the 7th International Symposium of Integrative Zoology 25–28 Aug 2015, organized by the International Society of Zoological Sciences (ISZS) at College of Life Sciences, Shaanxi Normal University, Xi'an, Shaanxi province, China.

Strategy:

1. Enhancing fertility and productivity of food animals through stress management and genetic selection

2. Introduction of artificial insemination, embryo transferring, bisection, embryo sexing, IVF, chimera and genetic engineering such as localization, isolation and cloning of top-quality, high-production, and stress-resistant genes
3. Sustainable development of grassland resources through collection, conservation and evaluation of germ-plasm resources of forage crops
4. Diagnostic technique of tuberculosis and brucellosis in dairy animals, parasitic diseases in sheep and goats, pet diseases and exotic animal diseases
5. Vaccine production for animals and poultry diseases through genetic engineering
6. Preventive veterinary medicine under field conditions and integration with control strategies for endemic and trans-boundary animal diseases
7. Training of graduates in good farming practices to establish model entrepreneurs in poultry, sheep, goats, turkeys, rabbits and other animals for generating family income
8. Capacity development of laboratories setup of partner organizations of DSP, in developing standards assays for quality control of farm inputs, products and monitoring animal diseases with special emphasis on public health
9. Training of stakeholders in public health safety and biorisk management
10. To consider bilateral trade in farming innovation, renewable energy and export of commodities

Signed by



Prof M Subhan Qureshi

Faculty of AH and Vet Science, UAP



Prof Gang Li

BIASVM, Chinese Academy of Science