

Dairy Science Park – China Collaboration Roadmap

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The Issues

Total value **Rs.1000 b**
An meat prod **Rs.200 b**

- Entrepreneurship contribution???
- Hygienic food production ????





- *Animal transportation ?*
- *Products processing ?*
- *Formal investment ?*

- *Traceability of products ???*
- *QC certification ????*

Institutional focus

- Livestock Extension, health coverage
- Livestock Research, vaccine and diagnosis
- Livestock Education, veterinary medicine
- Agric Extension/Research, Crops Production & Mngt

- Deputy Commissioner, price capping, no QC
- Legal courts, price capping, no QC
- SMEDA, little attempts
- KPCCI, low priority
- Public health, low priority
- ORIC Offices of Universities, underutilized

- **Entrepreneurship/exports, missing**
- **Hygienic/Halal concepts, missing**
- **QC Control/Traceability, missing**

Dairy Science Park

- Registered as a Society under Societies' Registration Act XXI of 1860 (Reg No.4582/5/8589 dated 2-7-2015) by Government of Khyber Pakhtunkhwa
- Accepted by KP Chamber of Commerce and Industries as a Corporate Member.
- Accepted by the United Nations as SDG Action 9671, notified at <https://sustainabledevelopment.un.org/partnership/?p=9671>.
- DSP is taking care of Sustainable Development under:
 - SDG 2, covering production of milk, meat and milk for local consumption;
 - SDG #3 covering food safety for protection of public health;
 - SDG 5, engaging women in the livestock sector transformation process;
 - SDG 7, providing biogas and solar energy for farm operations and processing factories;
 - SDG 8, ensuring generation of decent employment for the youth through business incubation and entrepreneurship development and;
 - SDG 16, ensuring end of conflict among stakeholders in the private and public sectors

The Dairy Science Park Approach

Academia – Industry – Government
Intervention



1. International Conferences and Industrial Exhibitions Series

DSP I - 2011 Peshawar



DSP-II - 2013 Peshawar



DSP III - 2015 Peshawar

DSP-IV - 2017 Konya





DSP V - 2019 Quetta + BLE

DSP Quetta established at QCCI



2. Biorisk Management Workshops Series

DSP BRM I - 2015 Amsterdam

2015 - Amsterdam

Sandia National Laboratory USDs agreed
on Biorisk Management Collaboration



DSP BRM II – 2016 Dubai

Sandia National Laboratory-Dairy Science Park BRM Workshop

DSP BRM III - 2016 Bangkok
SNL-DSP Workshop on BRM
Curriculum Development



DSP BRM IV - 2017 Phuket
SNL-DSP BRM Workshop on public health awareness

AUP Curriculum Development Phase III



DSP BRM V - 2017 Colombo

SNL-DSP Workshop on BRM integration into DVM Curriculum

DSP BRM VI - 2017 Konya

DSP IV integrating Biorisk
Management into conference theme

DSP BRM VII - 2018

Amman

**SNL-DSP Workshop on
BRM techniques in
Research Methodologies**



DSP BRM VIII - 2019 Dubai

Top Management trained in on Implementation Strategy

3. Entrepreneurship Development through Academia Industries Linkages

2014

Minister Agric inaugurated Livestock Desk at KPCCI



2014: Univ Feed Mill functionalized



DSP introduced farming innovations

- Stock arranged at Chamkani DSP Center
- Introduced at dairy and meat farms
- Connected with livestock markets
- Displayed at Agric Univ Vet Clinic

Farm Fresh Dairy Products at Your Door Steps..



Call:0336-9018888

Dairy entrepreneurship models

- | | |
|-----------------------|--------------------------|
| •Dairy/meat Farming | Elite animals production |
| •Feed production | Silage making |
| •Pharmaceuticals prod | Training and consultancy |
| •Diagnostic labs | Clinics |
| •Dairy Processing | Products marking |



UAP developed
Quails
entrepreneurship
Models

GreenWend Solar
Energy Solutions
developed solar
incubators models





Poultry Entrepreneurship models

Broiler farming Breeding Inputs supplies
Meat processing Biotech Products Diagnostic/QC labs
Packaging/marketing



Jan Meat Shop
Certified in QC for price fixation exercise







Peshawar Meat introduced





Best Teachers Award - Socio Economic Impact

Raised confidence Applied Research Quality Control
Entrepreneurship dev Exportable surpluses



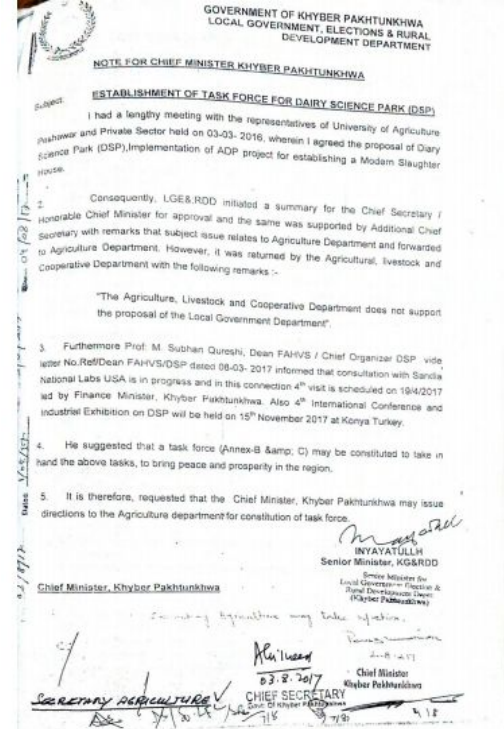
The Beacon of Hope

Kamran Khan



4. Policy Dialogue

Government of KP accepted DSP as a Task Force



- **Minister LGE&RD** chaired a high level meeting and agreed on establishing Task Force on Dairy Science Park; approved Rs.200 m for Slaughter-house
- **Additional Chief Secretary** appreciated DSP as “the innovative idea of the LG regarding establishment of Dairy Science Park at Peshawar to provide hygienic food production to the whole province
- **Chief Minister KP** approved Task Force for DSP on 2-8-2018; notification pending at Agriculture Department



2016

MoU on Collaborative BRM Initiative
between KMU, UAP, DSP and HEC

FAO-UN KP Livestock Action Plan 2019 submitted



Establishing Gomal Technopark agreed at DI Khan
Establishing Livestock Business Facilitation Centers agreed at
Divisional Headquarters

Guidelines for procurement and sales rules at FAO KP Livestock Action Plan 2019

1. The Rules must be simple, transparent and must ensure quick delivery of goods.
2. The purchase committee for a functioning Unit of an organization shall comprise 2 senior officers and a person from the industry/civil society, with delegation of powers to purchase the desired items.
3. The purchase committee for an Organization would comprise three senior most officer one member of industry/civil society and one independent auditor.
4. An Endowment Fund would be available in an authorized bank account.
5. Three quotation may be obtained, if required.
6. The Rules must be followed while reviewing, ordering, obtaining, and paying for goods/services.
7. Checkpoints/steps must be minimum to avoid the complexity of the purchase process.
8. The Funds available to the organization shall be non-lapsable.
9. The bill shall be passed by the chairman of the committee within 3 days in case of a Unit and within 10 days in case of an Organization.
10. Transparency of the process shall be monitored by an M&E Committee. Accessibility of records would be ensured to the relevant accountability organization. No member of the purchase committee would be harassed by the audit parties, NAB or senior officials/elected peoples' representatives.



Livestock Farmers
Welfare Association was
the real stakeholder of
Policy Dialogue under
**FAO KP Action Plan
2019**

FAO KP Livestock Action Plan 2019 recommended establishment of Livestock Technopark Peshawar as an autonomous authority with legislative, regulatory, financial and administrative powers to protect interests of all the stakeholders across the Livestock Value Chain in line with UN SDGs 2, 3, 5, 7, 8 and 16.



Signed MoU with Chinese Academy of Agric Science



Visited Great Mosque of Xi'an



**Dairy Science
Park - China
Collaboration**

Prof Qureshi DSP attended 7th Int Symp Integ Zool, 25-28 Aug 2015. ISZS, Xi'an



Zafar Parach DSP delegate visited Tashkurgan, China for exploring self-employment and hygienic food production in the CPEC Region.

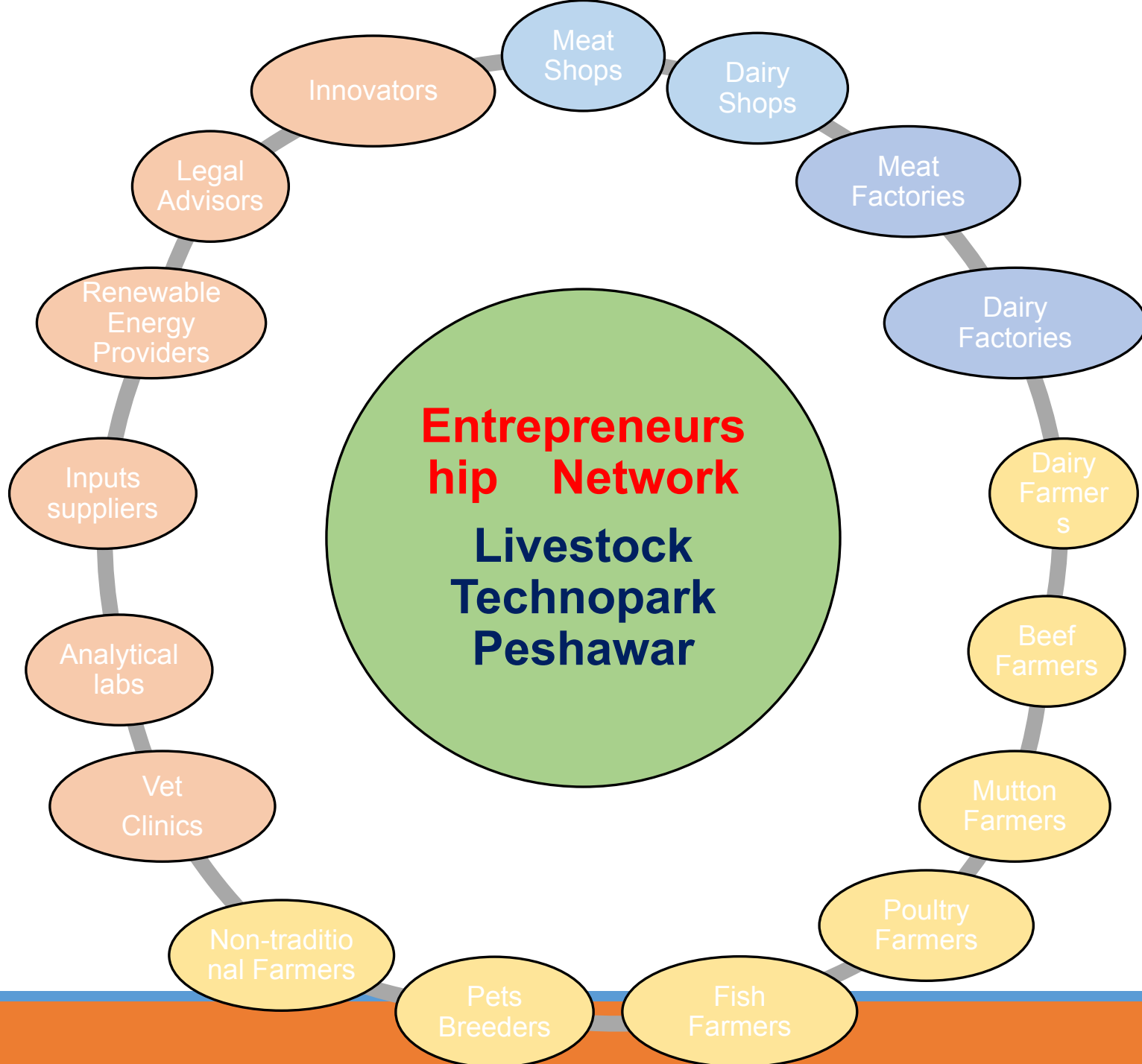
DSP Delegates discussed scientific and business collaboration with St Fulin Group Co Ltd, China during the CPEC Summit 2016 held at Pak-China Friendship Center, Islamabad.



Irfan Qureshi DSP delegate attended Seminar on agricultural industrialization for Asian Countries Agric Mangt Instt Oct 2016

Dairy Science Park - China Collaboration

5. Investment Proposal



The Roadmap

- **Establishing Common Facilities Centers:**
 - Providing access to advanced technologies and good practices farm production, products processing, renewable energy, and quality monitoring
 - Utilizing academic wisdom for bringing solutions to the industry
 - Establishing demo models under an Endowment Fund, engaging potential entrepreneurs for demonstrating viable and sustainable models.
 - Facilitating marketing linkages for enhancing stakeholders' income
 - Biorisk Management Trainings for stakeholders across the Food Value Chain
- **DSP VI:**
 - Sixth International Conference and Industrial Exhibition on Dairy Science Park would be held as a business incubation process.
- **Policy Dialogue:**
 - A dialogue would be initiated with private and public sector organizations for: introducing Good Governance at all levels.
 - Ensuring shared responsibilities and authorities, meeting the expectations of the target audience.
 - Knowledge based economy would be demonstrated engaging producers/processors associations, academia, civil society and government.

Budget Estimate (Pak Rupees Millions)

Item of Work	Year I	Year II	Total
Endowment Fund for establishing common facilities centers and entrepreneurship models	192.65	0.00	192.65
E-Marketing and IT	0.04	1.16	1.20
Training on Biorisk Management	1.35	2.70	4.05
Training in Good Practices	1.35	0.96	2.31
Training in Entrepreneurship Development	1.35	0.39	1.74
Sixth International Conference and Industrial Exhibition on DSP	0.00	14.45	14.45
Policy Dialogue on Good Governance	1.93	2.89	4.82
Logistic Support Services	0.96	0.77	1.73
Total	200.00	23.00	223.00

Halal Food & Biotech Exports

Entrepreneurship Network

Government Bodies



Industry, Civil Society

Livestock Technopark, an autonomous regulatory, legislative and financing authority

Academia – Business Incubation

2 NO
POVERTY



3 GOOD
HEALTH



5 GENDER
EQUALITY



7 RENEWABLE
ENERGY



8 GOOD JOBS AND
ECONOMIC GROWTH



16 PEACE AND
JUSTICE

