

## **Concept Note for establishment of Quetta Technopark (QTP) at Balochistan University**

### **Problem**

Balochistan is the largest province of Pakistan contributing 44% of national territory. Majority of the terrain is rangeland leaving only 5% arable. The province has got a huge livestock resource-base sharing 42% of national sheep, 41% camel, 22% goats populations. Total value of these resources is 371 billions. Per head productivity and fertility affected by poor management practices with underutilized economic parameters, unexplored commercial aspect of this resource-base and prevalence of higher poverty level in the province (52%, SDPI).

The Public Sector Organizations have been encapsulated in predefined mandate with little space for innovations and out of box thinking. Lack of coordination mechanism among various components of the sector prevails. No mechanism has been in place for conveying appropriate inputs from the PSOs to the private sector. Private stakeholders facing serious issues of regulatory, marketing, financial and administrative nature. Regulatory procedures of food inspection and DC office are restricting the growth of emerging entrepreneurs. Young generation of farmers, butchers reluctant to enter into these professions due to hostile environment. Farming and processing units are declining, on way towards collapse.

On the other hand the University of Balochistan, BUTMS and LUAWMS are imparting education in veterinary, life and management sciences while SBK Women University has been imparting education in various disciplines related to life and business management disciplines. The young generation of farming families and allied professions associated with higher education at these universities, have got the potential to develop their own enterprises. Dairy Science Park has been involved with various universities, FAO, Quetta Chamber of Commerce and Industries, Konya Technopark Turkey, Sandia National Lab USA and Higher Education Commission in developing Academia-Industry-Government Nexus, involving members from Balochistan.

However, this huge natural/human resource base could not be transformed into prosperity of the people.

### **Proposal**

The Livestock and Dairy Development Baluchistan has been providing animal health and production management services to the farmers. However, the commercial aspect of this resource base is still unexplored and poverty level in the province is very high with 52% population living below poverty line, according to a report of Sustainable Development Policy Institute (SDPI).

The Government of Baluchistan and Food and Agricultural Organization of the United Nations (FAO-UN) joined hands for developing livestock resources of the province through coordinated efforts. Dairy Science Park consulted various stakeholders in the province comprising local universities, SMEDA and Chamber of Commerce and Industries for utilization of the indigenous resources under Quetta Technopark (QTP), an autonomous body with full legislative, financial and administrative powers for utilization of indigenous resources for local market and export. LEB 2019 attracted scientists, development practitioners, donor agencies, private investors and

private partners to deliberate on the issue and come up with feasible plans for participation in the QTP.

Livestock Entrepreneurship Development Initiative (LEDI) was agreed as a model of good governance pursuing the Academia-Industry-Society-Government Nexus at Chamber of Commerce and Industry (CCI). The Initiative would be implemented by Dairy Science Park Balochistan Chapter (DSP-BC) as a follow up mission of Balochistan Expo 2019 inaugurated by Mr Arif Alvi, President of the Islamic Republic of Pakistan.

In fact, the province is facing great challenges of poverty, illiteracy and the aftershocks of the war on terror. The participants agreed upon the following recommendations:

1. **Solution 1 - Quetta Technopark (QTP):** To utilize the strengths of the public service organizations in the province and get their inputs through the proposed Quetta Technopark, Triple Helix Good Governance Model of Academia-Industry-Government Nexus. Guiding Principal: On-campus development of entrepreneurship models; supported by Government Departments and industry/civil society for building the entrepreneurship network; leading to Halal food export. The Steering Committee will comprise equal representation of University of Balochistan, Dairy Science Park, Quetta Chamber of Commixes and Industries and Secretary Planning and Development. Corporate Livestock Development and Policy Support Center would be established for meeting requirements of corporate farming, processing, academia, government and service delivery to the entrepreneurship models.

**Impact:** Transformation of the huge livestock resource-base sharing 42% of national sheep, 41% camel, 22% goats populations, valuing Rs.371 billion, into entrepreneurship models for generating decent employment for the youth and exportable surpluses for prosperity of the people in the Region.

2. **Solution 2 – Advocacy Forum:** To support the private stakeholders facing serious issues of technical, regulatory, marketing, financial and administrative nature and to integrate these issues faced by the stakeholders, into the functions of the relevant government departments through an interactive Advocacy Forum.

**Impact:** Enhancing capacity of the private and public sector organizations for improved services and quality of products for the consumers.

3. **Solution 3 – Commercial Ventures:** To launch mega projects on slaughter houses, hides and skins processing, cold storages, chilled transportation and chilled cargo services at the airport and the airplanes. Demo farms would be established for mutton, dairy, beef, poultry and non-conventional commodities through public private partnership.

**Impact:** Investment in processing of food products associated with quality control services would enhance the farmers' income, generate more employment and produce products for local and international market.

4. **Solution 4 - Quality Control and Traceability Laboratory:** Establishing a Quality Control and Traceability Laboratory at CASVAB with degree programs, for meeting the needs of stakeholders across livestock based food value chain facilitating entry of local products into national and international market.

**Impact:** Quality control practices will be introduced at all stages of food value chain (LBFVC) and certify the products for entering into local and international market

5. **Solution 5 - Farmers Business Facilitation Centers:** Farmers Business Facilitation Centers FBFC in the remote/appropriate areas and at the public/private sector organizations

**Impact:** These centers would be helpful for the farmers, processors and marketing partners to establish relevant entrepreneurship models.

6. **Solution 6 - Livestock Entrepreneurship Development Cell [LED Cell] at Quetta CCI:** Livestock Entrepreneurship Development Cell will be established at Quetta CCI. The LED Cell will coordinate with the private investors, farmers and factories, etc with the academia for technology transfer and applied research. Internees will be provided by ORIC Offices of University of Balochistan, BUITMS and LUAWMS (veterinary, life and management sciences faculties) and SBK Women University (life and business management disciplines).

**Impact:** It will be established with the support of donors, for getting internees from ORIC offices desiring to establish entrepreneurship models.

### Proposed timeline

Activity	Date of commencement	Date of completion
Quetta Technopark (QTP):	1 January, 2021	31 December, 2024
Livestock Entrepreneurship Development Cell [LED Cell] at Quetta CCI	20 January, 2021	31 December, 2021
QTP Cell Balochistan University	1 June, 2021	31 December, 2021
QTP Cell BUITMS	1 June, 2021	31 December, 2021
QTP Cell LUAWMS	1 June, 2021	31 December, 2021
QTP Cell SBK Women University	1 June, 2021	31 December, 2021
Farmers Business Facilitation Centers (FBFC)	20 March, 2021	31 December, 2021
Quality Control and Traceability Laboratory	1 June, 2021	31 December, 2022
Advocacy Forum:	1 September, 2021	31 December, 2021
Commercial Ventures	1 January, 2022	31 December, 2024

## Budget

Activity	Endowment Fund	Non lapsable Development Grant	Total
Quetta Technopark (QTP) at Balochistan University	400	500	900
Livestock Entrepreneurship Development Cell at Quetta CCI	100	0	100
QTP Cell Balochistan University	50	0	50
QTP Cell BUITMS	50	0	50
QTP Cell LUAWMS	50	0	50
QTP Cell SBK Women University	50	0	50
Farmers Business Facilitation Centers (FBFC):	190	0	190
Advocacy Forum	10	0	10
Commercial Ventures	100	0	100
<b>Total</b>	<b>1000</b>	<b>500</b>	<b>1500</b>

## Executive Committee

1. Central Vice President DSP: Dr Muhammad Azam Kakar
2. President: Ms Rubina Saeed Shahwani
3. Secretary: Dr Fayaz Ahmad
4. Member: Qazi Ayaz, Talha Enterprise
5. Member: Mr Shah Sarwar Agha, QCCI
6. Member: Waheed Noor BU
7. Member: Dr Naeem Shahwani, BUITMS
8. Member: Dr Nasrullah Bangalzai, LUAWMS
9. Member: Dr Zubia Masood SBKWU

**Prepared by:**

Dr Fayaz Ahmad Livestock and Dairy Development Department Quetta	Dr Azam Kakar Central Vice President Dairy Science Park	Dr Wahid Noor Balochistan University	Ms Rubina Saeed Shahwani Quetta CCI

**Checked by:**

Prof M Subhan Qureshi President Dairy Science Park	Mr Badruddin Kakar Vice President Quetta CCI	Dr Shafiq ur Rahman Vice Chancellor Balochistan University Quetta