

MINAR-E-PAKISTAN



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STRENGTH - IN JUSTICE

# VISIT Report

Tashkent, Uzbekistan

APRIL 28 - MAY 3

2017

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GOVERNMENT OF PUNJAB,  
LAHORE**

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# EXECUTIVE SUMMARY

## 1. EXECUTIVE SUMMARY

On the direction of Chief Minister Punjab, Mian Muhammad Shahbaz Shareef, an Advance Agricultural Delegation was organized by Government of Punjab to visit agro-industry and agricultural institutions in Uzbekistan from April 28 to May 03, 2017 to explore the possibility of cooperation in academic, research and bilateral trade between the two countries. The delegation had representation both from public and private sectors.

The delegation comprised of Muhammad Naeem Akhtar Khan, Minister for Agriculture, Muhammad Mahmood, Secretary Agriculture, Dr. Asif Ali, VC, Muhammad Nawaz Shareef University of Agriculture, Multan, Dr. Saghir Ahmad, Director, Cotton Research Institute, Multan (Cotton Expert), Dr. Ishtiaq Ahmad Rajwana, Muhammad Nawaz Shareef University of Agriculture, Multan (Mango Specialist), Mr. Khurram Farid Khakwani, Zarpak Horticulture Products, Multan (Mango grower and exporter), Mr. Shahid Raheem Chaudhary, Agritec Industries Multan (Manufacturer/Trader in Agricultural Implements) and Mr. Sheikh Muhammad Akbar (APTMA). Ms Rabia Sultan anyhow could not accompany the delegation due to some personal reason.

The delegation held several meetings and visited selected institutions and industries at Tashkent, which included Uzbek Scientific Production Centre of Agriculture, Tashkent State Agrarian University (TSAU), Joint Stock Company (JSC) UZAgroTech Industry, Farmer's and High End Markets, Joint Stock Company UZAgroexport, Gold Dried Fruits (GDF) Export and Marwin Brands Factories, Ministry of Foreign Economic Relations, Investment and Trade, Republic of Uzbekistan, Scientific Research Breeding Institute, Uzchemindustry and Uzbeklightindustry.

Uzbekistan has a rich cotton germplasm, particularly suitable for mechanical picking and having better fiber quality. It is planned that exchange and acquisition of germplasm and mechanical cotton production technologies will be expedited. Exchange of researchers and students for capacity building on biological control of pests and cotton mechanization will be started with Tashkent State Agrarian University and Scientific Agriculture Production Centre, Uzbekistan.

The scope of exporting mango appeared very promising. Mango promotion campaign will be launched for marketing of Pakistani Mangoes. Mango show will be organized with the help of Pakistan Embassy. Mango pulp samples will be sent to Marwin Brands and other potential importers. Some citrus from Pakistan is already exported via Iran, it is considered that Kinnow promotion campaign will be launched to increase direct export from Pakistan; samples of citrus pulp/paste will be sent to their Juice Industry. Dates will be marketed in Uzbekistan. Guava pulp samples will be sent to Marwin Brands to be used in the Juice industry.

The Agri-Tech industry of Uzbekistan is well established. It would be worthwhile to import Agricultural Machinery. The prominent Agri. Machinery would include 50-90 hp tractors, cotton pickers, six row cotton planters, cotton pruners and combine harvesters. The Punjab Government may dovetail this with High-tech Mechanization Centre and Service Providers program. Business to business relationship will be facilitated for the import of potash and phosphatic fertilizers.

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Agriculture land will be leased out to Uzbek companies for demonstration of cotton mechanization technologies. There are certain challenges to increase trade between Pakistan and Uzbekistan like, logistic supplies infrastructure, import substitution policy of Uzbek government, return on investment and remittances exchange policy. The existing trade volume with Uzbekistan is about 40 million US\$ but the scope is much larger. Therefore, exchange programs, aggressive promotional campaign and addressing the given challenges will be crucial to tap the emerging market of Uzbekistan.

## 2. OVERVIEW OF AGRICULTURE SECTOR IN PUNJAB

The foremost objective of Agriculture sector in Pakistan is to ensure adequate production and availability of food for the population and provide livelihoods to people directly involved in the sector along with the value adding chain. The attainment of sustainable growth in agriculture sector fulfils macroeconomic objectives through its forward and backward linkages with the other sectors. Pakistan agriculture and food security concerns remain high on the policy agenda at national level. Owing to concerted actions, the performance of agriculture has been encouraging with growth of about 3.5% during 2016-17. Agriculture is mainstay of Pakistan's economy. It accounts for 21% of the GDP and together with agro-based products fetches 80% of the country's total export earnings. More than 48% of the labour force is engaged in this sector.

The Punjab province has about 29% of the total reported, 57% of the total cultivated and 69% of the total cropped area of Pakistan. The mission of the present Government is to sustain food security and support to national economy, making agriculture cost effective and knowledge based, with emphasis on farmer's welfare and maintenance of the yield potentials. Total geographical area of Punjab is 20.63 Mha out of which 12.51 Mha is cultivated. Out of 12.51 Mha cultivated area, 3.335 Mha is irrigated with canals and 2.94 Mha through tube wells. The province of the Punjab contributes a major share in the agricultural economy of the country by providing about 73% of cotton, 80% of wheat, 97% fine aromatic rice, 63% of sugarcane and 51% of maize to the national food production. Among fruits, mango accounts for 66%, citrus more than 95%, guava 82% and dates 34% of total national production of these fruits. The Punjab's Agriculture sector has lot of opportunities including proximity to Middle Eastern and Central Asian States, increasing World's population, increasing global food demand, high cost of production in developed World and potential of vertical growth. In order to harvest potential benefits from agriculture products, Government is launching projects to increase crop productivity and compliance of international food quality and safety standards.

The Agriculture Department Punjab is striving to achieve sustainable growth of 6% in agriculture sector within next two years, which at present is less than 4%. For this purpose, an inclusive growth strategy has been devised with the following seven components:

- i Increasing Crop Productivity through focused research, extension services, water management and inputs (seeds, fertilizers, pesticides, water, machinery and credit)
- ii Better Value Chain through preserving quality at the farm and improving connectivity of farms with markets,

- iii Better use of Energy through harnessing renewable and alternate energy resources and supporting energy-efficient Agriculture machinery.
- iv Increasing High-value Agriculture like promotion of horticultural crops, and other commercially beneficial and export-oriented produce and creation of the logistical infrastructure that such crops typically need.
- v Focusing on land and Environment by improving land resources and environment and mitigating the impact of climate change by tackling water logging and improving soil health, and adapting to climate change.
- vi Increasing cultivated area through bringing marginal lands under cultivation and expansion of irrigated agriculture in the areas of Thal, Potohar and Riverine Areas.
- vii Regulatory and Institutional changes to improve the investment in agriculture and ensure availability of timely quality inputs. It includes reforms and implementation of the laws pertaining to a) Seed Act, b) Bio-safety Act for GMO crop, c) Agriculture Produce Marketing Act, d) Pesticides Act, f) Fertilizer Act, g) Intellectual Property Right Act, h) Agricultural storage laws, i) Cotton Control Act, j) Food Quality and Control Act, k) Punjab Breeders Rights Act, l) Sub-soil water conservation Act and m) Quarantine Laws.

### 3. OBJECTIVES OF THE VISIT

The objectives of the visit were to identify potential areas of collaboration between both countries, particularly in:

- a Cotton production and processing systems to improve the production and quality.
- b Exchange of germplasm, researchers and students.
- c Export of fresh as well as processed products of mango, citrus, Guava and Dates etc.
- d Import of modern agricultural machinery and fertilizers

### 4. ARRIVAL OF DELEGATION

The delegation arrived at Tashkent in the afternoon of April 28, 2017. The delegation was received at the Tashkent International Airport by Dr. Teshayev Shukhrat, Deputy Minister for Agriculture and Water Resources and H.E. Mr. Riaz Hussain Bukhari, the Ambassador of Pakistan at the Republic of Uzbekistan and other officers of the ministry and Pakistan embassy. Composition of the delegation is shown in Annexure-I while visit program of the delegation is shown in Annexure-II.

### 5. VISIT TO UZBEK SCIENTIFIC PRODUCTION CENTRE OF AGRICULTURE, TASHKENT

After settling down, the first visit was to the Uzbek Scientific Production Center of Agriculture in Tashkent where a meeting was held in the evening of April 28. The Deputy Minister for Agriculture and Water Resources, Dr. Teshayev Shukhrat, assisted by an interpreter delivered a comprehensive briefing to the delegation. After welcoming remarks, he highlighted that the Uzbek Government is highly interested in collaboration with Pakistan to promote trade and business and other programs

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of mutual interest and is ready to take concrete steps for this purpose. He mentioned that three delegations of two sides had met in the past and this is 4th one. He also mentioned the recent visit of Mr. Sikandar Hayat Bosan, Federal Minister for Food Security and Research, Pakistan which aimed at promoting bilateral trade and research cooperation, particularly in Cotton. He showed his desire that the things will now move on from meetings to practical actions soon. He briefed that Agriculture is main priority of Uzbekistan as 50% population lives in rural area. Uzbek Govt. is emphasizing much on Agricultural development and US\$ one billion are being spent annually to support the agriculture since half of its population is directly engaged with this sector. The priority areas of Uzbek agriculture include horticulture, poultry and fisheries because they provide food security and raw material for Agricultural industries. Mechanization in Agriculture has been helping to reduce cost of production and increase profitability. About 50% of land is salt affected and its reclamation is a challenge. Animal Husbandry Sector is gaining popularity and there is 100% increase in the animal heads and poultry sector 200% gain has been witnessed since independence. Cotton is a major cash crop accounting for 17% of its exports with annual cotton production of about one million ton of fiber (4%-5% of world production) and exports of 700,000-800,000 tons (10% of world exports). Uzbekistan is the 6th largest cotton producer worldwide (preceded by China, India, USA, Pakistan and Brazil) and the 3rd largest exporter in the world. Over one million farmers including public servants, employees of private businesses and children are involved in the harvesting of cotton, besides mechanical picking. Uzbekistan produces high quality cotton fulfilling the international standards. Cotton exports are mainly to China, Bangladesh, Korea and Russia. Uzbekistan has launched a development programs for cotton textiles through enhancing cotton processing chains and mills. Most of cotton is irrigated but there is need to rehabilitate the water supply system to reduce water loss. Because of the risks associated with a mono crop economy as well as from considerations of food security for the population, Uzbekistan has been moving to diversify its production into cereals, horticulture and fodder, while reducing cotton area. All orchards are irrigated through Drip System since water is a very precious commodity. Biological control is the major insect pest management strategy and there are 711 biological labs in the country, particularly focusing on the management of American bollworm.

Discussing the reforms in Agriculture Sector, he informed that the government is providing assistance to the farmers in terms of soft loan and leasing Agricultural machinery (amount returnable after 10 years) for introduction of modern technologies to improve yield of various crops and processing of Agricultural products. He stated that it is our understanding that Pakistan requires about 20,000 hi-tech Agricultural Machinery, which can be a priority area of cooperation between the two countries.

The Minister for Agriculture Punjab, Secretary Agriculture Punjab and Vice Chancellor MNS UAM thanked the Deputy Minister for very informative briefing and reiterated that the two nations should find ways to increase bilateral trade on competitive terms. The Minister and Secretary Agriculture conveyed good wishes of the Chief Minister Punjab, Mr. Muhammad Shahbaz Sharif and his desire for collaboration with Uzbekistan for research and development, bilateral trade and import of High-Tech Agri. Machinery. The commonalities in challenges and opportunities to agriculture were highlighted. Punjab is food basket of Pakistan as it is feeding 220 million people of Pakistan and

producing export surplus, contributing about 70% to the agricultural production of the country. The Punjab province is making huge investment in Agriculture to reduce cost of production and improving profitability through enhanced production and value addition. The specific areas for cooperation were identified as cotton research, mechanization of cotton production, biological control of insect pests, export of mango, potato, citrus, dates, sugar and pulp of various fruits to Uzbekistan. Interest was shown to import Agri. Machinery, Phosphate and Potash fertilizers etc from Uzbekistan. The Secretary Agriculture reemphasized the need for strengthening collaboration, which must go beyond MoUs. He invited the Deputy Minister and Uzbek business community to participate in the International Seminar on Business Opportunities in Punjab scheduled during 22nd to 24th May 2017 at Lahore.

The meeting concluded with the understanding to sign MoUs for collaboration in cotton research, import of Hi-Tech Agri. machinery from Uzbekistan and export of mango, citrus etc to Uzbekistan and bringing positive outcomes in terms of business.

## **6. VISIT OF TASHKENT STATE AGRARIAN UNIVERSITY (TSAU)**

The Vice Rector of TSAU, Dr. Islamov Sohib Yahshibekovich greeted the delegation and briefed about the history of TSAU, which was established in 1930. Overall Uzbekistan has six Agriculture Universities. TSAU is the largest and the oldest Agriculture University having a main campus and a Sub-Campus, one Research Centre, one Institute and 7 Faculties with 28 Chairs. In these faculties currently 70 PhD, 300 MS students and 6200 BS students are enrolled. About 600 Faculty are engaged in Teaching, Research and Extension at the university. The TSAU has collaboration arrangements with 40 countries for promoting its agenda of internationalization.

The Vice Chancellor, Muhammad Nawaz Shareef University of Agriculture, Multan also delivered a quick presentation about the well performing higher educational sector in Pakistan. He introduced the three Agricultural Universities in the Punjab and the development status of the newly established Agriculture University in the South Punjab with major emphasis of R&D in cotton and mango. The Minister, Secretary and VC appreciated the Vice Rector and stressed upon the importance of cooperation for student and scientists exchange program. The delegation then visited the Biological Control Labs of the University. The Lab has been working since 1950 and has developed advanced techniques for rearing of beneficial insects. The two sides agreed for taking necessary steps for acquisition of technology for biological control of pests in Punjab, short term and long term exchange of researchers and students, doing collaborative R&D projects, participation in conferences and joint publications.

## **7. VISIT OF JOINT STOCK COMPANY (JSC) UZAGROTECH INDUSTRY**

Dr. Nodir S. Otajnov, Chairman, Board of Joint Stock Company (JSC), "O'zagrotexsanoatxolding" received the delegation and showed around the display of Tractors, Agric. Implements and Machines like Cotton Picker and Combine Harvesters etc. The delegation also visited the assembly line of combine harvester of wheat. The Chairman JCU informed that it is a State-Owned company



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working under license agreements with leading agriculture machinery companies for importing different parts from CLAAS Germany, Italian and Korean manufacturers. The company takes pride for providing latest technology at affordable cost through Soft loans (3% mark-up) through commercial banks to the farmers. Therefore, demand in local market is very high and we can commit to supply our products to Pakistan in 2018 only, as all the current production is booked. We see a scope of 50hp to 90hp tractors in Pakistan, the Uzbek farmers have shifted to 90 hp tractors because of their high efficiency. Captain (R) Shahid, Agritec Industries, Multan critically looked at the agricultural implements to see prospects of their local manufacturing in Pakistan. The implements and machines, which caught attention of the delegation included Cotton Pruner, Cotton Picker and Combine harvester. Captain (R) Shahid Reaheem found it possible to locally manufacture the cotton pruner to facilitate machine picking. In contrast to flat sowing in Uzbekistan, cotton is planted on ridges and beds in Punjab, therefore some adjustments are to be made and line to line distance of cotton planting.

Minister Agriculture and Secretary Agriculture Punjab jointly thanked the Chairman for his practical approach and hospitality. They informed the honourable hosts that Government of Punjab is setting up 150 Hi-Tech Agri. Machinery Centers by sharing 50% capital cost. Your company is invited to take advantage of this opportunity, as it will help our farmers to use new combine harvesters replacing second hand machines imported from Europe, which are relatively less efficient. It will save huge amount of money and increase productivity.

They also added that land can also be leased to Uzbek companies to demonstrate different production technologies by using Hi-Tech agro machinery and implements. The Government of Punjab will also be pleased to help the Uzbek counterparts to establish assembly lines to produce their products in Pakistan through Joint Ventures or introducing their machines through dealerships. The Minister for Agriculture reiterated the commitment of Chief Minister Punjab to help the farmers by equipping them with modern agric. technologies for reducing cost of production and increasing profitability. The Secretary Agriculture informed that Govt. of Punjab is very keen to bridge the gap of modern technologies with the cooperation of Uzbekistan as there is huge potential in the province of Punjab. The Uzbek companies can avail this opportunity. There is also a possibility of building agriculture machinery assembling plant in Punjab. The Govt. of Punjab can also offer for providing agriculture land on soft terms to showcase the agriculture machinery and production technologies. A consensus appeared for demonstration and export of selected agriculture machinery to Pakistan at competitive prices, exploring the possibility of starting franchise, assembly line and provision of agriculture land to the company for demonstration of mechanized cotton farming.

## **8. VISIT OF MARKETS AND MEETING WITH H.E. THE AMBASSADOR OF PAKISTAN IN UZBEKISTAN**

To explore the possibility of selling Pakistani fruits in Uzbek market, members of the delegation visited both low end and high end markets. The low-end market, called Farhod Dehqon Bozori (Farhad DehkanBazzar), was like all sides open display of grocery, meat, bakery, fruits and



vegetables. Although there were price tags but the shopkeepers were selling various commodities through bargain. The range of cereals and vegetables was quite wide and lemons and apples were the predominant fruits. Farmers were selling their own produce but majority of the vendors were regular shop keepers who would buy fruits and vegetables from the whole sale market.

In a super market, Samarkand Bazar, the delegation visited MAKRO super store, a high-end market. After surveying different stalls, marketing team of MAKRO was consulted to assess the potential of marketing Pakistani fruits, particularly Mango. After discussing their supply chain system, it was agreed to arrange a Kiosk at Tashkent during the current season for mango display and tasting as a promoting campaign.

During luncheon meeting with the Honourable Ambassador of Pakistan, various aspects of scope and systems of remittances were discussed. He agreed that there is a huge potential of export of mangoes and citrus to Uzbekistan. He considers that there is a need of more frequent visits of Pakistani business community including Chambers of Commerce and Industry to explore markets for export and develop interaction with the business community of Uzbekistan. He ensured full support of the Embassy to enhance business activity among the two countries. It was also discussed that Pakistan Embassy will hold a Mango Festival to promote it locally together with Punjab Government in the coming season.

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## 9. MEETING WITH HEADS OF JOINT STOCK COMPANY UZAGROEXPORT

The General Director Saidabbas Saydaminov explained that Uzagrotechmash JSC is a state-owned company, which was established in 2016 to handle about 200 enterprises dealing in fruit, vegetables, meat, beverages and dairy and other eatables. The Enterprises have more than 7200 products and 200 major products are part of their holding company. They have 20 Joint Ventures with big companies like Coca Cola, Nestle, British American Tobacco etc. He emphasized that Government is paying attention to improve this sector through Uzagroexport Board that is responsible to promote export of locally produced fresh fruits and vegetables and their processed products. He informed that US\$740 M will be invested in years to come to boost this industry for the promotion and export of value added Agri. products. Currently, they are exporting to about 80 countries around the globe. They organized first International Exhibition last year and the 2nd Exhibition is already scheduled in September 2017 in Uzbekistan. He said that 20 M tons of fruits and vegetables are produced locally however we do not produce tropical fruits, which are imported from various countries. Last year they imported potato for local consumption, as the locally grown potato was damaged due to disease outbreak. We know Pakistan produces the best mango of the world and we also see a potential of importing Mango Puree from Pakistan, however quarantine standards must be kept in mind. About mango export to Uzbek, the Director said that the cost of transportation is very high through Afghanistan but the delivery time is less (5 days) whereas through Bandar Abbas (Iran) more time (22 days) is required but logistics are safe. He also informed that the importers in Uzbek are private and government provides facilitation. Kazakhstan, Russia, South Korea and China are the leading importers of Uzbek fresh and processed fruit and vegetable products. It was informed that Edible Oil import bill is a serious concern and government of Uzbekistan is making efforts to promote Oilseed crops to reduce oil import bill. They also extended the services of Potato Research Institute, Sahiwal to solve the disease outbreak issues in Uzbekistan.

The Vice Chancellor also stressed the need for expert exchange program to have sustainable business relations between the two countries. He mentioned the need for developing modern machinery and implements suitable for precision agriculture. Uzbekfood representatives admired the point raised by the delegates and asked to link them up with the exporters of Mango, Citrus and Guava pulp producers for in-house evaluation and decision making.

## 10. VISIT OF UZBEKFOODHOLDING

The delegation was taken to Gold Dried Fruits (GDF) Export and Marvin Brands Factories. The GDF was started during 2012 and specializes in fresh, frozen and dry production of fruits and vegetables. They have 2250 ha land, on which orchards and greenhouses with modern drip irrigation systems have been installed. It was informed that seeds of vegetables are imported from Netherlands and Turkey. Highly qualified agronomists, horticulturists and Lab technicians are working on the project. Their production system is ISO 22000, HACCP and Global Gap Certified. They have their own logistics centers and have 13 ha of multiple refrigeration system. They have

installed modern processing plants imported from leading European manufacturers. During 2016, the GDF has exported 15000 tons fresh fruits and vegetables, 1100 tons dried products and 3000 tons frozen products. The target for 2017 is export of 20000 tons fresh, 2600 tons dried and 20000 tons frozen products. Dry fruits of Uzbekistan may have good market in Pakistan which is to be explored through Business to Business interactions.

The CEO of Marvin Brands Mr. Alisher Isaev welcomed the delegation and showed production system documentary. They brand their juices as DENA, which are very popular in Uzbekistan and are exported to South Korea and China also. After thorough discussion, it was considered appropriate that Mango fruit and Citrus, Mango and Guava pulp and Citrus paste would be sent to the Uzbek companies as sample for establishing markets. The CEO Marvin Brands showed interest to find marketing partners in Pakistan for supply of juices.

## **11. MEETING WITH MINISTRY OF FOREIGN ECONOMIC RELATIONS, INVESTMENT AND TRADE, REPUBLIC OF UZBEKISTAN**

The Deputy Minister Dr. Shavkat A. Tulyaganov greeted the visitors and informed that the first International Trade Agreement between Uzbekistan and Pakistan was made on 27th JULY 1992 and since then no big economic cooperation have been witnessed between the two countries, but now the trade relations seem to be taking off. He urged the delegates from Punjab to make this visit a success to trigger joint economic growth. Presently, the trade volume among the two countries is US \$ 40M, which is very small, compared to the potential the two countries have. Uzbekistan's continental climate with hot summers is ideal for growing many popular fruit and vegetable crops. Uzbekistan is among the top five producers of apricots in the world, the 6th largest producer of cherries, and 17th in apple production. Leading popular exportable fruits and vegetables of Uzbekistan are apricots, grapes, plums, pomegranates, melons, raisins, walnuts, peaches, beans, onions, carrots, cabbage and tomatoes. Volume of exported fruits and vegetable are 548,000 tons which is worth US\$1.5 billion (2015-16). High priority of the Government is for processing of fruits and vegetables products. About US\$ 74 million investment for the next 3 years on improvement of harvesting, processing and logistics is expected.

Raw Cotton fiber, Agri. Machinery and electronics can be imported from Uzbekistan and Pakistan can also search the exportable items for Uzbekistan. Currently, 80% of the Pharmaceutical products in Uzbekistan are imported from Pakistan. Regarding import of mango and citrus he said that Uzbek Govt. has only quarantine and regulatory mechanisms to control and rest is the trader's job to manage. Uzbekistan has a trade office in Afghanistan which manages trade related issues locally however no such office exists in Pakistan, which he believed is the need of hour for enhancing trade.

The Minister and Secretary Agriculture Punjab appreciated efforts of the ministry for promoting bilateral trade. They promised to make all out efforts to promote trade between the two countries and expressed their commitment to get things on track. He said that there is tremendous potential for exporting Agri. machinery and implements to Pakistan. He also pointed that Uzbek people are unlucky so far that they have not been given the fair opportunity to enjoy best mango of the world from Pakistan, which needs to be addressed immediately. Secretary Agriculture Punjab said that

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we have requested H.E. the Ambassador of Pakistan to hold a Mango Day in Pakistan Embassy this year and to make arrangements to promote Mango consumption and market locally. He informed the hosts that Chief Minister Punjab would visit Uzbekistan this year after Ramadan and we are very confident that various bilateral trade avenues will be explored to promote trade and people to people interaction. We have already discussed about scientific collaboration and researchers as well as student exchange programs would be started soon. The efforts of Uzbek Government to promote fruits and vegetables industry and spending heavily to capture outside markets were appreciated. The interest of Punjab Government for the export of mango, citrus and potato and potato seed to Uzbekistan was highlighted.

## **12. VISIT OF SCIENTIFIC RESEARCH BREEDING INSTITUTE, TASHKENT**

The delegation was received by the scientific working group at the Breeding Institute. After welcoming remarks and introduction of the teams from both sides, Dr. Sh. Namazov, Director of the Institute delivered a brief presentation. The Institute is considered as a strategic center of cotton breeding. The institute has a long history of contributing in cotton breeding and seed production. They have the largest cotton germplasm collection of 13000 cotton accessions. In addition, they also maintain about 7000 varieties of alfalfa. The quality of cotton grown in Uzbekistan is very good. The standards for staple length of the cotton varieties are 33 mm and micronaire is 4.6 µg/inch. About 90% cotton area is being covered by the varieties of this Institute in Uzbekistan. The cotton breeding objectives of the institute include high yield, better fiber quality, high input efficiency, insect pest and diseases resistance, tolerance to high temperature, drought, salinity and resilience to climatic changes. They are developing zone specific short duration varieties. Accordingly, they develop and recommend crop rotation and variety and zone specific production technologies. They have developed 5 planting techniques according to climatic zones. Six row cotton planting drill is used, which helps increasing the labour efficiency up to 35%. Various water saving technologies are used including sowing of cotton on plastic sheet mulch. Pest management is mostly biological and they have a mechanized cotton farming system. Seed germination is about 90% and 100% seed is treated. Seed is supplied by the government and likewise cotton ginning is also government owned. Both manual and mechanical methods are in practice for cotton picking. The topping off the cotton gave a significant gain in yield and defoliant is used when 50% bolls are opened. The delegation showed great interest and desire to benefit from the material and expertise of the institute to improve cotton mechanization in Pakistan. An MoU was signed for acquisition of cotton germplasm and training of the scientist for advanced cotton production technology.

## **13. VISIT TO UZCHEMINDUSTRY**

The Chairman of the industry greeted and informed the delegation that Uzchemindustry is producing various products like Urea, Soda, Phosphatic and Potash fertilizers from rock ores. Caustic Soda and Nitric Acid production is under development. About 50% production is exported to 30 countries around the world. They also have 7 different pesticide companies working in the country. Over all company have 13000 employees, working day and night for the development of

Agric. sector in Uzbekistan and around the world. On a query to export rock phosphate to Pakistan, he said that we are already deficient in natural phosphatic reserves and this would not be possible.

The Minister and Secretary Agriculture thanked the honorable Uzchem representatives and informed them that Pakistan has about 300 pesticides companies and several fertilizer manufacturing and marketing organizations. We would be happy to link your company with some of the leading organizations in Pakistan to explore Business potential, however, the market will not be easy since there will be challenges of price and logistics.

#### **14. VISIT TO UZBEKLIGHTINDUSTRY**

Textile Minister Mr. Ilkhom U. Khaydarov informed the delegates that Uzbekistan is experiencing boost in textile sector. They are handling 100,000 tons in-house textiles but aim is to achieve 600,000 tons annually. The infra-structure for foreign investment in textile sector is very attractive i.e. cheap electricity (5cents/KW), 15% price reduction of cotton fiber to local textile industry, other tax reduction incentives and above all cheap labour force. The current textile export is US\$300M and the target is US\$ 1.2B. They have 100 ginneries and are planning to install 3 Million spindles. The political environment is stable and consistent supply of electricity and security make this industry a viable option for investment. Turkish industrialists are very keen to invest in this lucrative sector. Earlier 500,000tons of cotton fiber were supplied to Russia but now 50,000 tons only, showing that Russian textile industry is also declining, which again add the potential of having textile units in Uzbekistan. Replying to a question by delegates, Textile Minister said that 40% withholding tax is applicable if the investor wants to take money out of Uzbekistan. The Minister and Secretary Agriculture thanked the honourable Uzbeklight industry representatives and expressed their best wishes to the Minister and appreciated his efforts for the development of textile sector in Uzbekistan.

Pictorial glimpses of the visit of the delegation to different institutions and the meetings held are shown in Annexure-III.

#### **15. DEPARTURE TO LAHORE, PAKISTAN**

The Minister and Secretary Agriculture thanked the honourable representatives of Uzbekistan Government and Pakistan Ambassador and other staff members for their kind cooperation. They on behalf of the delegation also expressed their deep gratitude for the kind hospitality and valuable services rendered by the Uzbek Government during the visit. The delegation left for Lahore in the afternoon of May 3rd 2017.

#### **16. CONCLUSIONS AND RECOMMENDATIONS**

After visiting different institutions, industries and holding meetings with the Uzbek officials and businesses, the delegation is of the view that there is a lot of potential to develop bilateral relationships in the areas of research, education and trade. Keeping in view the strengths of

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Tashkent State University (TSAU) and Scientific Agriculture Production Centre Uzbekistan, it would be in the benefit of both countries to exchange researchers, teachers and students for capacity building. The promising imports from Uzbekistan could be cotton germplasm, biological control technology, tractors, combine harvesters, potash and phosphatic fertilizers and technologies for mechanical cotton production. Similarly, the delegation is also of the view that there is a lot of potential of exporting mango (fruit, pulp and dried slices), citrus (fruit, paste, pulp and concentrate), dates (fresh and dried), Guava (pulp), sugar and potato.

In order to strengthen bilateral collaboration between Punjab/Pakistan and Uzbekistan, it is recommended that concrete steps should be taken to materialize the things as proposed under post-visit action plan (Annexure-IV).

## INSTITUTIONAL COLLABORATION

- i **Training of cotton breeder:** One cotton breeder shall obtain training from the Scientific Agriculture Production Centre, Uzbekistan for a period of 6 months. The proposed areas of training will include identification of germplasm, breeding techniques, seed production, fiber assessment techniques and cotton mechanization. The trainee breeder will also select and acquire cotton germplasm which is particularly suitable for mechanical picking, have better fiber quality, particularly extra-long staple and can successfully be adopted as such or after developing hybrids under local conditions. The selected germplasm would contain characteristics to mitigate adverse effects of climate change. Upon return from the proposed training, the trained breeder will act as master trainer to train other fellow breeders for breeding climate smart cotton varieties suitable for mechanical picking.
- ii **Training of Entomologist:** One Entomologist shall obtain training from TSAU for a period of 6 months. The proposed area of training will include technology for rearing of beneficial insects for biological control of cotton insects like American boll worm, Pink boll worm, Aphid and whitefly. The trainee Entomologist will also collaborate with the trainee cotton breeder in selection of germplasm which particularly has characteristics of insect and disease resistance. The Trainee Entomologist will also acquire and practice insect management strategies. Upon return from the proposed training, the trained Entomologist will act as master trainer to train other fellow Entomologists and establish dedicated lab for rearing of predators for biological control.
- iii **Scientists and Students Exchange Programme:** A well-conceived programme shall be chalked out for regular exchange of researchers, teachers and students for which followings are recommended;
  - a Rector of the TSAU and their Director International Relations would be invited to a reciprocal visit, which would lead to the development of a comprehensive action plan. The plan would include joint degree programs, exchange internships, supervision of postgraduate students and joint scientific publications. The resources could be mobilized from various national

funding agencies at Pakistan and Uzbekistan and international sponsors.

- b A collaborative international conference would be organized on cotton at Multan and the Uzbek Scientists would participate in the conference.
- c Pak – Uzbek Scientific Cooperation Program on cost sharing basis may be established for collaborative R&D projects, particularly on Cotton Breeding and Technology, Biological Control, potato seed production and Agri Machinery.

## BI-LATERAL TRADE

After holding meetings with different businesses, the delegation observed that there is very good potential of exporting fresh as well as processed fruits like mango, citrus, guava and dates. For enhancing export of Mango, Citrus, Guava and Dates, it is recommended that promotional campaigns shall be arranged annually in collaboration with the Pakistan Embassy in Uzbekistan. The TDAP and PHDEC would be invited to participate in this export promotion campaign. It is recommended that during these exhibitions, all the products to be exhibited shall be sourced from Global Gap certified farms and HACCP certified processing plants. It is also recommended that in these exhibitions a specially prepared documentary video showing glimpses of Global Gap certified farms from where the products have been sourced, orchards management practices of those farms, processing plants operation (sorting, HWT, packing, storage, pulping etc.) and barcode based traceability system shall be highlighted. All the fresh fruits/products to be exhibited shall be packed as per international packing standards and the processed products shall be packed in hermetically sealed packing of appropriate sizes meeting international standards. During these exhibitions tasting of products shall be allowed. For success of such events, sourcing managers of different high end markets and students from schools, colleges and universities shall be specially invited besides arranging press briefings. It is also recommended that the owners of the farms from where produce is sourced and Mango Experts would participate in the exhibitions. For harnessing export potential of selected products, followings are recommended;

## EXPORTS FROM PAKISTAN

### i MANGO

Pakistan exported about 64,000 ton of fresh mangoes valuing about Rs. 5.043 billion during the year 2015-16. Most of the mangoes were exported to UAE, UK, EU, KSA, far Eastern Countries and Central Asian States. The scope of exporting mango to Uzbekistan appears very promising. For this purpose, mango promotion campaign will be launched for fetching Uzbek markets. It is recommended that about 5 ton of fresh mangoes (Samar Bahisht Chousa, Anwar Ratool and Sindhri) and 500 kg of dried mango slices be arranged by the mango exporters in collaboration with MNSUAM and Agriculture Department and dispatch to Pakistan Embassy in Uzbekistan for arranging mango exhibition. Similarly, about 500 kg of mango pulp shall be dispatched to Marvin Brands and other potential importers for producing and marketing of mango juices. Mr. Ahsan



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Irshad and other Expatriates of Pakistan will facilitate setting up Kiosks at leading market places.

## **ii CITRUS**

Pakistan exported about 372,000 ton of fresh citrus valuing about Rs. 17.8 billion during the year 2015-16. Most of the citrus was exported to Afghanistan, Bangladesh, Iran, UAE, Poland, Russian Federation, KSA and Central Asian States. The scope of exporting citrus to Uzbekistan appears very promising. For this purpose, citrus promotion campaign will be launched for fetching Uzbek markets. It is recommended that about 5 ton of fresh citrus (Kinnow, Shakri and Mussambi) be arranged by private exporters supported by Citrus Research Institute, Sargodha and dispatched to Pakistan Embassy in Uzbekistan for arranging citrus exhibition. Similarly, about 500 kg of each citrus pulp, citrus paste and citrus concentrate shall be dispatched to Marvin Brands and other potential importers for producing and marketing of citrus juices.

## **iii DATES**

Pakistan exported about 11,000 ton of fresh and 114,000 ton of dried dates valuing about Rs. 1.095 billion and 7.273 billion respectively for fresh and dried dates during the year 2015-16. Most of the fresh dates were exported to Afghanistan, Australia, Denmark, Germany, USA, EU and UK and dried dates were exported to Bangladesh, India, Japan, Nepal, UAE and UK. The scope of exporting fresh as well as dried dates to Uzbekistan appears very promising. For this purpose, dates promotion campaign will be launched for attracting Uzbek markets. It is recommended that about 2.5 ton each of fresh and dried dates (Hillavi, Khudravi and Dhaki) be arranged and dispatched to Pakistan Embassy in Uzbekistan for arranging dates exhibition.

## **iv GUAVA**

Pakistan exported about 780 ton of fresh guava valuing about Rs. 32 million during 2015-16. Most of the fresh guava was exported to Afghanistan, Canada, Italy, Kuwait and UAE. Due to presence of seed in the fruit and perishability, scope of exporting fresh guava to Uzbekistan is not promising, but export of guava pulp seems very promising. For this purpose, it is proposed that about 2.5 tons of guava pulp be sent to Marvin Brands and other potential importers for producing and marketing of guava juices.

## **v POTATO**

Pakistan exported about 402,000 ton of fresh potato valuing about Rs. 8.419 billion during 2015-16. Most of the fresh potato was exported to Afghanistan, Malaysia, Russian Federation, Oman, Sri Lanka and UAE. Potato is already exported to Uzbekistan, though not very regularly. The average annual import of potato from Pakistan is about 1.00 to 1.20 million tons. There is a possibility to export potato and develop collaboration for R&D between Scientific Production Centre of Agriculture, Tashkent and Potato Research Institute, Sahiwal. It is also recommended to export processed potato products like potato powder and flakes.

## vi RICE

Pakistan exported about 4.262 million ton of rice valuing about Rs. 195 billion during 2015-16. Most of the rice was exported to UAE, Belgium, Qatar, Afghanistan, Malaysia, Russian Federation, Oman, Sri Lanka and UAE. Polao is a delicacy cuisine at Uzbekistan and there are prospects of exporting Basmati Rice to enhance the delicacy of the Uzbek Polao.

### IMPORT FROM UZBEKISTAN

The delegation observed that there is good potential of adopting Uzbek agricultural machinery in Pakistan specially the tractors, combine harvesters and cotton mechanization machinery. Similarly, there is potential to import potash and phosphatic fertilizers. In this regard followings are recommended;

#### i AGRICULTURAL MACHINERY

It is recommended that 03 units of 90 hp tractors, 01 unit of combine harvester and 01 set of cotton mechanization machinery (cotton planter, pruner and cotton picker) shall be imported by Field Wing of Agriculture Department for test and trial under different ecological regions of Punjab. Subject to satisfactory performance, these machines shall be allowed to be imported by the private sector. In addition to import of agricultural machinery by private sector, it is also proposed that the Punjab Government may dovetail Uzbek agricultural machinery with High-tech Mechanization Centre and Service Providers program.

In case some of the Uzbek machinery manufacturers want to set up assembly line and display center along with machinery demonstration farm, the Government of Punjab shall facilitate the company in acquiring agriculture land on lease basis.

#### ii POTASH AND PHOSPHATIC FERTILIZERS

Keeping in view availability of potash and phosphatic fertilizers in Uzbekistan, it is proposed that these may be imported. For this purpose, B2B relationship will be facilitated.

### Establishment of Trade offices

For strengthening trade relationship, it is recommended that both the countries shall establish trade offices for facilitation of the businesses partners in both the countries. The proposed trade centers shall;

- a Trade facilitation desks
- b Exhibit exportable products
- c B2B meeting rooms
- d Banking counters

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Keeping in view the conclusions and recommendations, a post visit action plan has been chalked out which is attached as Annexure-IV. Implementation schedule of the recommended post visit action plan in the form of Gantt chart is shown in Annexure-V. For the benefit of the readers, contacts of mangos, citrus, guava and dates stakeholders, B2B communication and Uzbek officials and businesses are provided in Annexures VI, VII, VIII, respectively.

## **17. CHALLENGES**

### **i LOGISTIC SUPPLIES INFRASTRUCTURE.**

Most of the trade between Pakistan and Uzbekistan is taking place through Afghanistan and Bandar Abbas port, Iran. There are concerns about frequent stuck up at Torkham Border and security concerns of traveling through Afghanistan. Uzbekistan is a double landlocked country and the transportation cost of sea trade through Bandar Abbas Port is high. However, exploring the sea route for bilateral trade to East Asian Countries through Gwadar Seaport should be a medium to long term strategy.

### **ii IMPORT SUBSTITUTION POLICY OF UZBEK GOVERNMENT.**

The Uzbek government is investing enormously to increase exports and for import substitution. Bilateral Free Trade Agreement aiming for trade balance would be helpful for long term sustainable trade between the two countries.

### **iii RETURN ON INVESTMENT AND REMITTANCES EXCHANGE POLICY**

Apparently, the foreign exchange reserves of Uzbekistan are very grim; therefore, the system does not support remittances flowing out. Therefore, trade agreements to facilitate business to business deals would be necessary to increase the trade volume between the two countries.

## **18. WAY FORWARD**

Keeping in view the challenges to enhance bilateral trade, it is proposed that Uzbekistan be made part of CPEC, as Kashgar in China is already connected with Tashkent by road. Alternatively, trilateral negotiation between Pakistan, Afghanistan and Uzbekistan to straighten up the trade route would provide an impetus for trade with Uzbekistan. Similarly, bilateral Free Trade Agreement aiming for trade balance would be helpful for long term sustainable trade between the two countries, and trade agreements to facilitate business to business deals would be necessary to increase the trade volume between the two countries.

# ANNEXURE I

## COMPOSITION OF DELEGATION

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**MUHAMMAD NAEEM AKHTAR KHAN**  
Minister for Agriculture, Punjab



**MUHAMMAD MAHMOOD**  
Secretary Agriculture, Punjab



**PROF. DR. ASIF ALI**  
Vice Chancellor, MNS University of Agriculture, Multan



**PROF. DR. ISHTIAQ AHMAD RAJWANA**  
Dean, MNSUA Multan (Mango Specialist)

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**MS RABIA SULTAN**

Progressive Farmer, Lahore, Pakistan



**DR. SAGHIR AHMAD**

Cotton Research Institute, Multan (Cotton Expert)



**KHURRAM FARID KHAKWANI**

Mango grower and exporter, Multan



**SHAHID RAHEEM CHAUDHARY**

Agritec Industries Multan (Manufacturer)



**SHEIKH MUHAMMAD AKBAR**

APTMA Punjab

# ANNEXURE II

## Annexure I (Continued)

### COMPOSITION OF THE DELEGATE

#### CONTACTS

| Sr. No | Name                                  | Designation and Address   | Contacts  |
|--------|---------------------------------------|---|---|
| 1      | Mr. Muhammad Naeem Akhtar Khan Bhabha | Minister for Agriculture, Punjab.<br>Suit No. 103, New minister block, near civil secretariat, Lahore   | Tel:+92- 42-99203325<br>Fax: +92- 042-99203326<br>E-mail: mnaveedahsan@gmail.com    |
| 2      | Mr. Muhammad Mahmood                  | Secretary Agriculture, Punjab<br>2 - Bank Road Lahore   | Tel:+92-42-99210130<br>Fax: +92-42-99211796<br>E-mail: secyagri@punjab.gov.pk       |
| 3      | Prof. Dr. Asif Ali,                   | Vice Chancellor Muhammad Nawaz Shareef University of Agriculture, Multan.   | Tel:+92-61-9201681<br>Fax: +92-61-9201682<br>E-mail: vc@mnsuam.edu.pk               |
| 4      | Dr. Saghir Ahmad,                     | Director, Cotton Research Institute, Multan (Cotton Expert)<br>Old Shujabad Road, Multan  | Tel:+92-303-6660277<br>Fax: +92-<br>E-mail: saghirahmad1@gmail.com                  |
| 5      | Prof. Dr. Ishtiaq Ahmad Rajwana,      | Dean, Faculty of Agriculture and Environmental Sciences, Muhammad Nawaz Shareef University of Agriculture, Multan (Mango Specialist).                   | Tel:+92-300-6351551<br>Fax: +92-61-9201683<br>E-mail: ishtiaq.rajwana@mnsuam.edu.pk |
| 6      | Mr. Khurram Farid Khakwani            | CEO, Zarpak Horticulture Products, Multan (Mango grower and exporter)<br>Shareef Manzil, Kutchehri Road, Multan   | Tel:+92-345-7215150<br>Fax: +92<br>E-mail: khurramfkhakwani@gmail.com               |
| 7      | Mr. Shahid Raheem Chaudhary,          | CEO, Agritec 47/B, Industries Multan (Manufacturer/Trader in Agricultural Implements)   | Tel:+92- 61-6539125<br>Fax: +92- 61-6537912<br>E-mail: agritec47@hotmail.com        |
| 8      | Mr. Sheikh Muhammad Akbar             | Former Chairman,<br>All Pakistan Textile Mills Association (APTMA), Punjab<br>Acro Spinning & Weaving Mills Ltd.<br>106/3 Saint Johns Park, Lahore Cant | Tel:+92-42-36664301-04<br>Fax: +92-42-36617290<br>E-mail: sakbar@acrospinning.com   |
| 9      | Ms. Rabia Sultan                      | Director, Farmers Association Pakistan,<br>18 Allaudin Road,<br>Lahore, Cant  | Tel:+92-42-35733112<br>E-mail: rabiasultan73@gmail.com                              |

**PROGRAM OF THE VISIT OF THE MINISTRY OF AGRICULTURE OF PUNJAB PROVINCE H.E. MR. MUHAMMAD NAEEM AKHTAR KHAN TO THE REPUBLIC OF UZBEKISTAN | APRIL 28-MAY 3, 2017**

Arrival in Tashkent from Lahore at 12:45p.m by flight HY-462 on 28th April, 2017. Delegation will be accommodated at the Hotel "City Palace Hotel Tashkent" by Uzbek side.

**FIRST DAY | APRIL 28<sup>TH</sup> – FRIDAY**

|             |   |
|-------------|---|
| 13:30       | Departure to the Hotel "City Palace Hotel Tashkent"                                   |
| 13:45       | Arrival the Hotel, rest   |
| 14:00-15:00 | Lunch   |
| 15:15       | Departure to the Scientific-Productional Centre of Agriculture                        |
| 15:30-16:30 | Arrival, meeting with Sh. Teshaeu, Deputy Minister of Agriculture and Water Resources |
| 16:30-18:00 | Meeting with the Heads of Tashkent State Agrarian University                          |
| 18:30-20:30 | Dinner hosted by Scientific-Production Centre of Agriculture                          |
| 20:30       | Departure to the Hotel  |

**SECOND DAY | APRIL 29<sup>TH</sup> – SATURDAY**

|               |   |
|---------------|---|
| 08:00 -9:00   | Breakfast   |
| 9:30          | Departure to the JSC " Uzagrotechindustryholding"                   |
| 10:00 – 12:45 | Arrival, meeting with Heads of the JSC " Uzagrotechindustryholding" |
| 13:00-14:30   | Lunch hosted by the JSC " Uzagrotechindustryholding"                |
| 14:45         | Departure to the JSC " Uzindustryexport"                            |
| 15:00 - 16:00 | Meeting with the Heads of JSC "Uzindustryexport"                    |
| 16:15-18:00   | Departure to the Hotel, short rest                                  |
| 18:00 - 20:30 | Dinner hosted by the JSC "Uzindustryexport"                         |
| 20:45         | Departure to the Hotel  |

**THIRD DAY | APRIL 30<sup>TH</sup> – SUNDAY**

**According to the program of the embassy of the Islamic Republic of Pakistan in Tashkent**

**FOURTH DAY** | **MAY 1<sup>ST</sup> – MONDAY**

|               |   |
|---------------|---|
| 08:00 -9:00   | Breakfast   |
| 9:15          | Departure to the HC "Uzbekfoodholding"  |
| 9:30-11:00    | Arrival, meeting with Heads of the HC "Uzbekfoodholding" and representatives of the JSC "Uzagroexport"                      |
| 11:00         | Departure to the LTD "Gold Dried Fruits"  |
| 11:15-12:45   | Arrival   |
| 13:00-14:30   | Lunch hosted by HC "Uzbekfoodholding"   |
| 14:45         | Departure to the Ministry of Foreign Trade of RU  |
| 15:00 -16:30  | Arrival, meeting with Heads with participation of the representatives of the HC "Uzbekfoodholding" and JSC "Uzcottonexport" |
| 16:30         | Departure to the Hotel  |
| 18:30 - 21:00 | Dinner hosted by the General Director of the JSC "Uzcottonexport"   |

**FIFTH DAY** | **MAY 2<sup>ND</sup> – TUESDAY**

|               |   |
|---------------|---|
| 08:00 -9:00   | Breakfast   |
| 9:00          | Departure to the Scientific-Research Breeding Institute   |
| 09:30-11:00   | Arrival, meeting with Mr. Sh. Namazov, Director of the Institute  |
| 11:00         | Departure to the JSC "Uzchemindustry"   |
| 12:00-13:00   | Arrival, meeting with Heads of the JSC "Uzchemindustry" with participation of the representatives of the JSC "Uzchemindustry" |
| 13:00-14:30   | Lunch hosted by the JSC "Uzchemindustry"  |
| 14:30         | Departure to the JSC "Uzbeklightindustry"   |
| 15:00 -16:00  | Arrival, meeting with Heads of the JSC "Uzbeklightindustry"   |
| 16:00         | Departure to the Hotel  |
| 18:30 - 21:00 | Dinner hosted by the JSC "Uzbeklightindustry"   |

**SIXTH DAY** | **MAY 3<sup>RD</sup> – WEDNESDAY**

|             |  |
|-------------|--|
| 07:30 -9:00 | Breakfast  |
| 9:00        | Departure to the Airport                             |
| 09:15       | Arrival to the Airport, escorting through VIP Launch |
| 10:30       | Departure by Flight No. HY-463 to Lahore.            |



# ANNEXURE III

PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017



**MEETING WITH DR. TESHAYEV SHUKHRAT, DEPUTY MINISTER FOR AGRICULTURE AND WATER RESOURCES, UZBEKISTAN ON 28-04-2017**



**MEETING WITH THE VICE RECTOR ISLAMOV SOHOB YAHSHIBEKOVICH OF TASHKENT STATE AGRARIAN UNIVERSITY TASHKENT ON 28-04-2017**

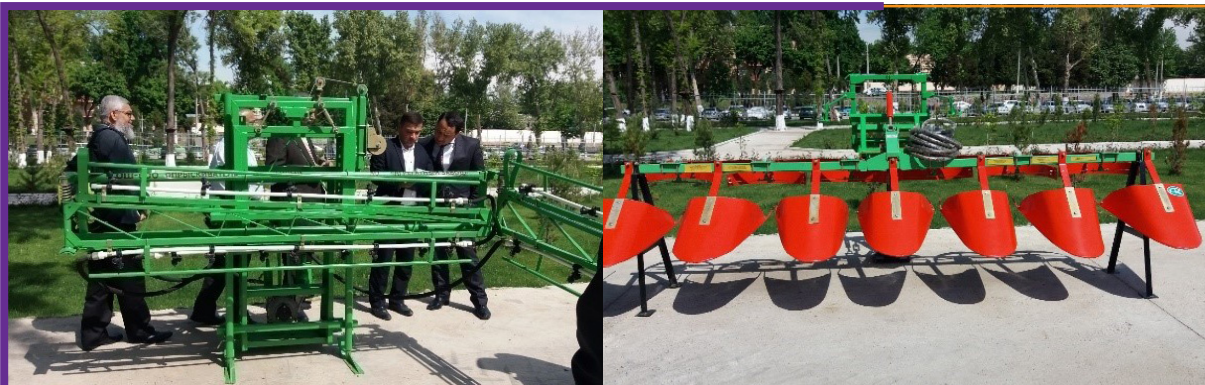
PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017



VISIT OF BIOLOGICAL LAB OF TASHKENT STATE AGRARIAN UNIVERSITY TASHKENT ON 28-04-2017

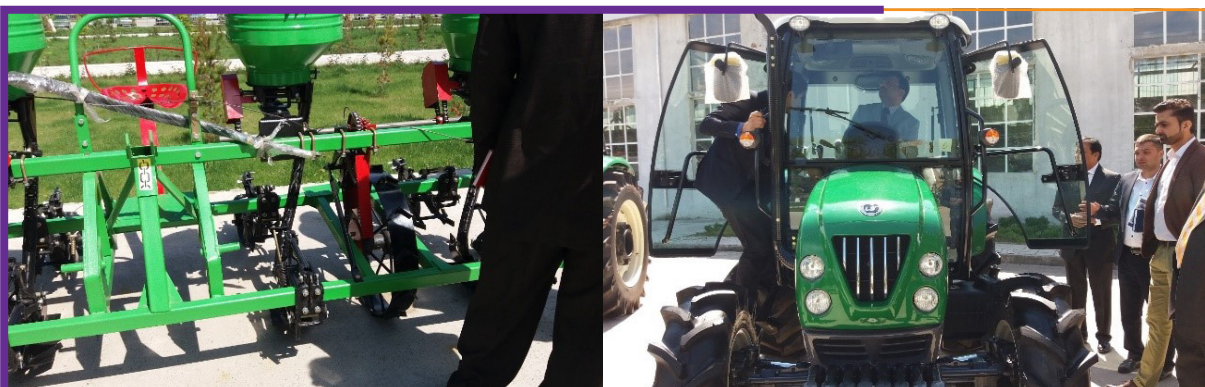
## PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017

### VISIT OF UZAGROTECHINDUSTRY JSC ON 29-04-2017.



**BOOM SPRAYER**

**TOP CUTTER OF THE COTTON  
PLANTS FOR MECHANICAL PICKING**



**SEED & FERTILIZER PLANTER**

**HIGH TEC TRACTOR**

PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017



MECHANICAL COTTON PICKER

**PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017**



**MEETING WITH THE DR. NODIR S. OTAJNOV, CHAIRMAN OF THE BOARD OF JOINT STOCK COMPANY UZINDUSTRYEXPORT ON 29-04-2017**



**MEETING WITH HEADS OF JSC UZINDUSTRYEXPORT ON 29-04-2017 UZBEKISTAN**

PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017



VISIT OF UZBEKFOODHOLDING ON 01-05-2017

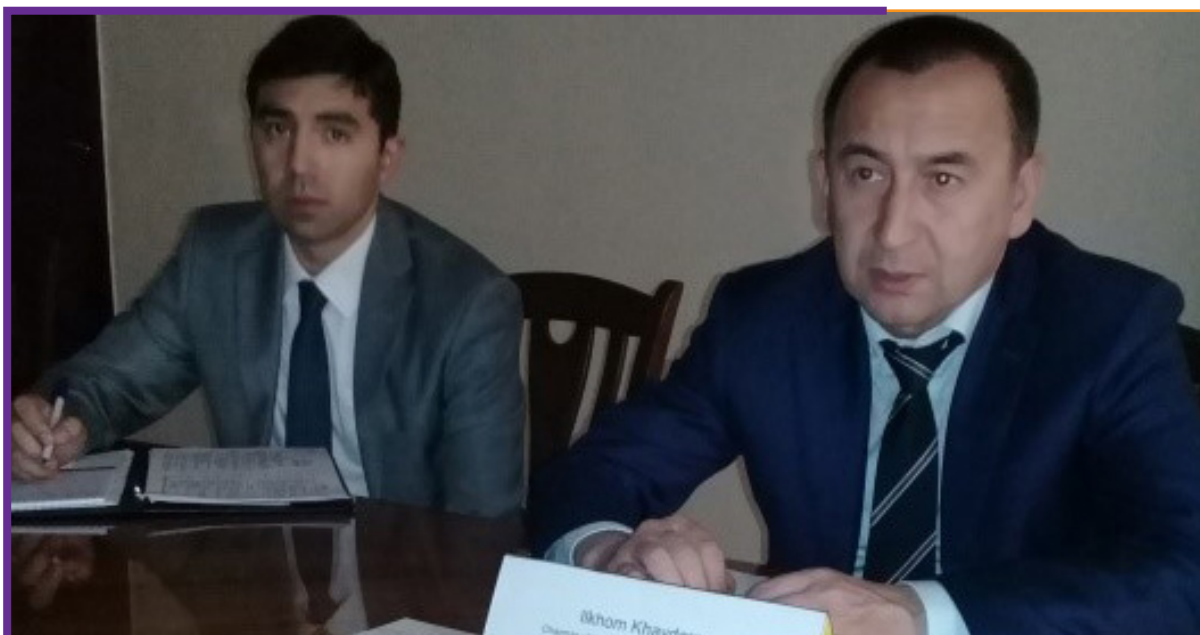


GROUP PHOTO AFTER MEETING WITH THE PAKISTAN AMBASSADOR IN UZBEKISTAN ON 30-04-2017

## PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017



MEETING WITH THE DEPUTY MINISTER DR. SHAVKAT A. TULYAGANOV, FOREIGN ECONOMIC RELATION, INVESTMENT TRADE, REPLUBLIC LOF UZBEKISTAN ON 01-05-2017



MEETING WITH THE CHAIRMAN OF JSC, UZBEKLIGHTINDUSTRY ON 02-05-2017

PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017



MEETINGS WITH THE SCIENTISTS OF RESEARCH INSTITUTE OF COTTON BREEDING, SEED PRODUCTION AND AGROTECHNOLOGIES, TASHKENT ON 02-05-2017



PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017

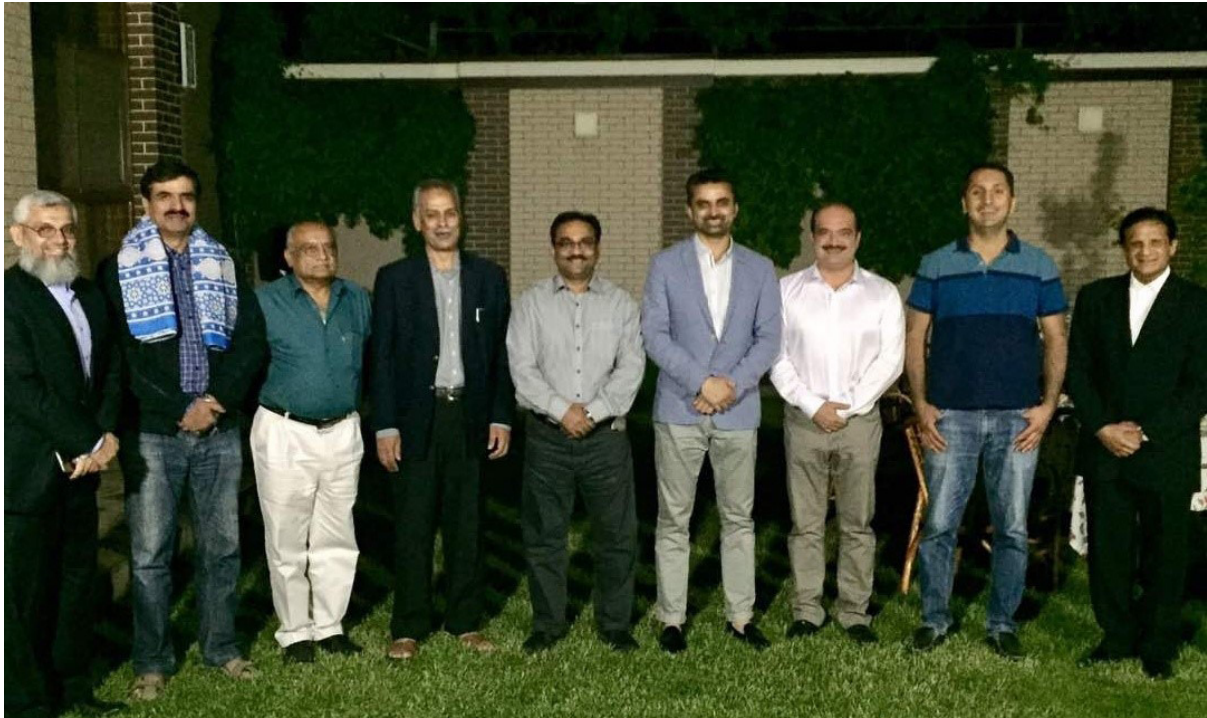


IMPRESSIVE UZBEK HOSPITALITY



Signing of MoUs on 02-05-2017

PICTORIAL GLIMPSES OF THE VISIT, APRIL 28-MAY 30, 2017



SOCIAL EVENING WITH MR. AHSAN IRSHAD, MARKETING LEAD, BRITISH AMERICAN TOBACCO, UZBEKISTAN

# ANNEXURE IV

| Task  | M&E indicator(s)   | Risks involved   | Start-<br>ing<br>date | Com-<br>ple-<br>tion<br>date | Responsibility  | Cost<br>estimates<br>(Rs. in million)                    | Source<br>of<br>funding |
|---|--|--|-----------------------|------------------------------|---|--|-------------------------|
| <ul style="list-style-type: none"> <li><b>Task 1a:</b> Training of the scientists in advanced cotton production technology from Cotton Breeding and Seed Production Centre, Tashkent.</li> <li><b>Task 1b:</b> Acquisition of selected cotton germplasm.</li> </ul> | <ul style="list-style-type: none"> <li>One trained Cotton Breeder</li> <li>Training report</li> <li>Training certificate</li> <li>Import documents of acquired cotton germplasm</li> </ul> | <ul style="list-style-type: none"> <li>Delay in acceptance by Uzbek Government</li> <li>Delay or non-availability of funds</li> <li>Quarantine compliance</li> </ul> | JULY 1st 2017         | Dec 31st 2017                | <ul style="list-style-type: none"> <li>Director CRI, Multan (Focal person)</li> <li>The Embassy of Pakistan, Uzbekistan</li> </ul>  | Travelling @ Rs. 50000<br><br>Stipend @ US\$ 1000/ month | PARB                    |
| <ul style="list-style-type: none"> <li><b>Task 2:</b> Training of the scientists on advanced techniques for biological control of cotton pests.</li> </ul>  | <ul style="list-style-type: none"> <li>One trained Entomologist</li> <li>Training report</li> <li>Training certificate</li> </ul>  | <ul style="list-style-type: none"> <li>Delay in acceptance by Uzbek Government</li> <li>Delay or non-availability of funding</li> <li>Language barrier</li> </ul>    | JULY 1st 2017         | Dec 30th 2017                | <ul style="list-style-type: none"> <li>Director Entomological Research Institute (ERI), AARI, Faisalabad (Focal person)</li> <li>The Embassy of Pakistan, Uzbekistan</li> </ul> | Travelling @ Rs. 50000<br><br>Stipend @ US\$ 1000/ month | PARB                    |

| Task  | M&E indicator(s)  | Risks involved  | Start-<br>ing<br>date | Com-<br>ple-<br>tion<br>date | Responsibility  | Cost es-<br>timates<br>(Rs. in million)                                      | Source<br>of<br>funding   |
|---|---|---|-----------------------|------------------------------|---|--|---|
| <ul style="list-style-type: none"> <li><b>Task 3:</b> Assessment of Uzbek Cotton germplasm and hybridization with local material</li> </ul> | <ul style="list-style-type: none"> <li>Performance of Uzbek germplasm under local conditions</li> <li>Performance of Hybrid variety under local conditions</li> </ul> | <ul style="list-style-type: none"> <li>Delay in acquisition of germplasm</li> <li>Poor performance of germplasm/ Vulnerability to CLCuD</li> <li>Poor performance of hybrids</li> </ul> | JULY 1st 2018         | Dec 31st 2018                | <ul style="list-style-type: none"> <li>Director CRI, Multan (Focal person)</li> <li>The Embassy of Pakistan, Uzbekistan</li> </ul>  | Director CRI to mobilize resources   | PARB  |
| <ul style="list-style-type: none"> <li><b>Task 4:</b> Visit of the Vice Rector Tashkent Agrarian University</li> </ul>                      | <ul style="list-style-type: none"> <li>Invitation letter</li> <li>Visit report</li> <li>Action Plan for collaborative activities</li> </ul>                           | <ul style="list-style-type: none"> <li>Delay in planned visits</li> </ul>   | May 20th 2017         | Dec 31st 2017                | <ul style="list-style-type: none"> <li>Director External Linkages (DEL), MNSUAM (Focal person)</li> </ul>   | <ul style="list-style-type: none"> <li>DEL will work out the cost</li> </ul> | HEC/ MN- SUAM   |
| <ul style="list-style-type: none"> <li><b>Task 5:</b> Exchange of Scientist/ Students</li> </ul>  | <ul style="list-style-type: none"> <li>De-briefing reports of Scientist and Students</li> </ul>   | <ul style="list-style-type: none"> <li>Delay in nomination of scientists and students</li> <li>Delays in acceptance</li> <li>Delay or non-availability of funds</li> </ul>              | Sep 1st 2017          | Mar 31st 2018                | <ul style="list-style-type: none"> <li>Director External Linkages, MNSUAM (Focal person)</li> <li>DG-AARI, Faisalabad</li> <li>Vice Rector TSAU</li> <li>The Embassy of Pakistan, Uzbekistan</li> </ul> | <ul style="list-style-type: none"> <li>DEL will work out the cost</li> </ul> | PARB/<br>Self<br>spon-<br>sored/<br>travel<br>grants<br>from<br>HEC/<br>PSF etc |

| Task  | M&E indicator(s)  | Risks involved   | Start-<br>ing<br>date | Com-<br>ple-<br>tion<br>date | Responsibility   | Cost es-<br>timates<br>(Rs. in million) | Source<br>of<br>funding          |
|---|---|--|-----------------------|------------------------------|--|---|----------------------------------|
| <ul style="list-style-type: none"> <li><b>Task 6a:</b> Organizing international mango exhibition in Uzbekistan</li> <li><b>Task 6b:</b> Export of mango fruit and pulp</li> </ul> | <ul style="list-style-type: none"> <li>Exhibition report</li> <li>Export documents</li> </ul> | <ul style="list-style-type: none"> <li>Delay in shipment of mango and mango pulp consignment</li> <li>Quarantine barriers</li> </ul> | JUNE 1st 2017         | JULY 31st 2017               | <ul style="list-style-type: none"> <li>Dean FA&amp;ES MNSUAM (Focal person)</li> <li>Director Mango Research Institute, Multan</li> <li>Director Agri.(Hort. Extension</li> <li>Mr. Khuram Khakwani</li> <li>Chief P&amp;E Cell</li> <li>Mr. Habib, Second Secretary, Embassy of Pakistan, Tashkent</li> <li>Mr. Ihsan Irshad</li> </ul> | Dean FA&ES MNSUAM to work out cost      | Private sector/ any other source |
| <ul style="list-style-type: none"> <li><b>Task 7a:</b> Promotion of Citrus in Uzbekistan</li> <li><b>Task 7b:</b> Export of Citrus fruit and Concentrate</li> </ul>               | <ul style="list-style-type: none"> <li>Exhibition report</li> <li>Export documents</li> </ul> | <ul style="list-style-type: none"> <li>Delay in shipment of citrus and citrus concentrate</li> <li>Quarantine barriers</li> </ul>    | Feb 1st 2018          | Mar 31st 2018                | <ul style="list-style-type: none"> <li>Dean FA&amp;ES MNSUAM (Focal person)/</li> <li>Director Citrus Research Institute, Sargodha</li> <li>Mr. Qasim Ijaz, Roshan Kinnow Factory, Bhalwal</li> <li>Chief P&amp;E Cell</li> <li>Mr. Habib, Second Secretary, Embassy of Pakistan, Tashkent</li> <li>Mr. Ihsan Irshad</li> </ul>          | Dean FA&ES MNSUAM to work out cost      | Private sector/ any other source |

| Task  | M&E indicator(s)  | Risks involved  | Start-<br>ing<br>date | Com-<br>ple-<br>tion<br>date | Responsibility  | Cost es-<br>timates<br>(Rs. in million) | Source<br>of<br>funding          |
|---|---|---|-----------------------|------------------------------|---|---|----------------------------------|
| <ul style="list-style-type: none"> <li>• <b>Task 8a:</b> R&amp;D on potato</li> <li>• <b>Task 8b:</b> Export of potato</li> </ul>                               | <ul style="list-style-type: none"> <li>• Identification of Potato varieties for export</li> <li>• Identification of Exporters</li> <li>• Collaboration with Potato Research Centre, Uzbekistan</li> <li>• Export documents</li> </ul> | <ul style="list-style-type: none"> <li>• Suitability to Uzbek Market</li> <li>• Delay in shipment of potato</li> <li>• Quarantine barriers</li> </ul> | Feb 1st 2018          | Mar 31st 2018                | <ul style="list-style-type: none"> <li>• Director Potato Research Institute (PRI)Sahwal (Focal Person)</li> <li>• Dean AES, MNSUAM (Coordinator)</li> <li>• Director Agri.(Hort. Extension</li> <li>• Mr. Khuram Khakwani (Coordinator)</li> <li>• Chief P&amp;E Cell</li> <li>• Mr. Habib, Second Secretary, Embassy of Pakistan, Tashkent</li> <li>• Mr. Ihsan Irshad</li> </ul>  | Director PRI to work out cost           | PARB and/or Private sector       |
|   | <ul style="list-style-type: none"> <li>• Exhibition report</li> <li>• Export documents</li> </ul>   | <ul style="list-style-type: none"> <li>• Delay in shipment of dates and guava pulp</li> <li>• Quarantine barriers</li> </ul>                          | JULY 1st 2017         | Dec 31st 2017                | <ul style="list-style-type: none"> <li>• Director Hort. Res. Institute (HRI) (Focal Person)</li> <li>• Dean FA&amp;ES MNSUAM (Coordinator)</li> <li>• Director Agri.(Hort. Extension</li> <li>• Mr. Khuram Khakwani (Coordinator)</li> <li>• Mr. Mushtaq Ahmed Alvi (Dates Expert)</li> <li>• Chief P&amp;E Cell</li> <li>• Mr. Habib, Second Secretary, Embassy of Pakistan, Tashkent</li> <li>• Mr. Ihsan Irshad</li> </ul> | Director HRI to work out cost           | Private sector/ any other source |
| <ul style="list-style-type: none"> <li>• <b>Task 9a:</b> Promotion and export of Dates</li> <li>• <b>Task 9b:</b> Promotion and export of Guava pulp</li> </ul> | <ul style="list-style-type: none"> <li>• Exhibition report</li> <li>• Export documents</li> </ul>   | <ul style="list-style-type: none"> <li>• Delay in shipment of dates and guava pulp</li> <li>• Quarantine barriers</li> </ul>                          | JULY 1st 2017         | Dec 31st 2017                | <ul style="list-style-type: none"> <li>• Director Hort. Res. Institute (HRI) (Focal Person)</li> <li>• Dean FA&amp;ES MNSUAM (Coordinator)</li> <li>• Director Agri.(Hort. Extension</li> <li>• Mr. Khuram Khakwani (Coordinator)</li> <li>• Mr. Mushtaq Ahmed Alvi (Dates Expert)</li> <li>• Chief P&amp;E Cell</li> <li>• Mr. Habib, Second Secretary, Embassy of Pakistan, Tashkent</li> <li>• Mr. Ihsan Irshad</li> </ul> | Director HRI to work out cost           | Private sector/ any other source |

| Task   | M&E indicator(s)   | Risks involved  | Start-<br>ing<br>date | Com-<br>ple-<br>tion<br>date | Responsibility  | Cost es-<br>timates<br>(Rs. in million)  | Source<br>of<br>funding |
|--|--|---|-----------------------|------------------------------|---|--|-------------------------|
| <ul style="list-style-type: none"> <li><b>Task 10:</b> Import of high quality cotton from Uzbekistan</li> </ul>                    | <ul style="list-style-type: none"> <li>Need assessment of the industry</li> <li>Logistics barriers</li> </ul>          | <ul style="list-style-type: none"> <li>Delay in logistics</li> <li>Quarantine barriers</li> </ul>   | Feb 1st 2018          | JUNE 30th 2018               | <ul style="list-style-type: none"> <li>Director P&amp;E Cell (Focal Person)</li> <li>Sh. Muhammad Akbar APTME (Facilitator)</li> <li>DG Agri.(Ext. &amp; AR)</li> </ul>   | APTMA to work out cost   | APTMA                   |
| <ul style="list-style-type: none"> <li><b>Task 11:</b> Introduction and promotion of Uzbek Farm Machinery in the Punjab</li> </ul> | <ul style="list-style-type: none"> <li>Import documents</li> <li>Demonstration</li> <li>Reverse Engineering</li> </ul> | <ul style="list-style-type: none"> <li>Delay in shipment of selected farm machinery</li> <li>Non-acceptance of machinery by the farmers</li> <li>High cost of machinery</li> <li>Availability of funds</li> </ul> | JUNE 1st 2017         | Dec 31st 2017                | <ul style="list-style-type: none"> <li>Director General Agriculture (Field) (Focal Person)</li> <li>Mr. Shahid Raheem Choudhary M/s Agritec Industries Multan</li> <li>Chief P&amp;E Cell</li> <li>Mr. Habib, Second Secretary, Embassy of Pakistan, Tashkent</li> <li>Mr. Ihsan Irshad</li> </ul>  | DG Agric. (Field) to work out cost for import and demonstration                          | PARB/ Private sector    |
| <ul style="list-style-type: none"> <li><b>Task 12:</b> Import of fertilizers from Uzbekistan</li> </ul>                            | <ul style="list-style-type: none"> <li>Need assessment</li> <li>Import documents</li> </ul>                            | <ul style="list-style-type: none"> <li>Delay in shipment of fertilizers</li> <li>Poor performance or non-acceptance of fertilizers by the farmers</li> <li>High cost of imported fertilizers</li> </ul>           | JUNE 1st 2017         | Dec 31st 2017                | <ul style="list-style-type: none"> <li>Director Rapid Soil Fertility, Survey and Soil Testing Institute Lahore (Focal Person)</li> <li>Chief P&amp;E Cell</li> <li>DG Agri.(Ext. &amp; AR)</li> <li>Mr. Habib, Second Secretary, Embassy of Pakistan, Tashkent</li> <li>Mr. Ihsan Irshad</li> </ul> | Director Rapid Soil Fertility, Survey and Soil Testing Institute Lahore to work out cost | Private sector          |

# ANNEXURE-V

## Implementation Schedule of Post Visit Action Plan

### MONITORING AND EVALUATION TEAM

1. Chief Planning and Evaluation, Agri Dept. Lahore
2. Chief Executive, PARB, Lahore
3. DG Agri (Research), AARI, Faisalabad

**Task 1a:** Training of one cotton breeder in advanced cotton production technology from Cotton Breeding and Seed Production Centre, Tashkent

**Task 1b:** Acquisition of selected cotton germplasm

| ACTIVITY  | JUNE<br>2017 | JULY<br>2017 | AUG<br>2017 | SEP<br>2017 | OCT<br>2017 | NOV<br>2017 | DEC<br>2017 |
|---|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Preparation of project proposal for funding by Director CRI, Multan |              |              |             |             |             |             |             |
| Approval of project and provision of funds by PARB                  |              |              |             |             |             |             |             |
| Selection of cotton breeder   |              |              |             |             |             |             |             |
| Training in cotton production technology                            |              |              |             |             |             |             |             |
| Study of germplasm characteristics                                  |              |              |             |             |             |             |             |
| Selection of germplasm  |              |              |             |             |             |             |             |
| Shipment of germplasm   |              |              |             |             |             |             |             |
| Receipt of germplasm  |              |              |             |             |             |             |             |

**Task 2:** Training of the scientists on advanced techniques for biological control of cotton pests

| ACTIVITY  | JUNE<br>2017 | JULY<br>2017 | AUG<br>2017 | SEP<br>2017 | OCT<br>2017 | NOV<br>2017 | DEC<br>2017 | 2018 |
|---|--------------|--------------|-------------|-------------|-------------|-------------|-------------|------|
| Preparation of project proposal for funding by Director ERI, AARI, Faisalabad |              |              |             |             |             |             |             |      |
| Approval of project and provision of funds by PARB                            |              |              |             |             |             |             |             |      |
| Selection of Entomologist   |              |              |             |             |             |             |             |      |
| Training in Biological Control technology                                     |              |              |             |             |             |             |             |      |



**Task 3: Training of Scientist and Establishment of Biological Lab**

| ACTIVITY  | MAY<br>2018 | JUNE<br>2018 | JULY<br>2018 | AUG<br>2018 | SEP<br>2018 | OCT<br>2018 | NOV<br>2018 | DEC<br>2018 |
|---|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Preparation of project proposal for funding by Director ERI, AARI, Faisalabad |             |              |              |             |             |             |             |             |
| Approval of project and provision of funds by PARB                            |             |              |              |             |             |             |             |             |
| Rearing of beneficial Insects   |             |              |              |             |             |             |             |             |
| Testing and demonstration of Technology/ Training of Scientist                |             |              |              |             |             |             |             |             |

**Task 4: Visit of the Vice Rector Tashkent Agrarian University**

| ACTIVITY  | JULY<br>2017 | AUG<br>2017 | SEP<br>2017 | OCT<br>2017 | OCT<br>2017 | OCT<br>2017 |
|---|--------------|-------------|-------------|-------------|-------------|-------------|
| Invitation by DEL, MNSUAM   |              |             |             |             |             |             |
| Resource mobilization from HEC/University                           |              |             |             |             |             |             |
| Visit of Vice Rector TSAU   |              |             |             |             |             |             |
| Development of Action Plan for Ex-change of Scientists and students |              |             |             |             |             |             |

**Task 5:** Exchange of scholars/students

| ACTIVITY   | MARCH<br>2018 | MAY<br>2018 | JUNE<br>2018 | JULY<br>2018 | AUG<br>2018 | SEP<br>2018 | OCT<br>2018 | NOV<br>2018 | DEC<br>2018 |
|--|---------------|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Preparation of project proposal for funding by Director DEL      |               |             |              |              |             |             |             |             |             |
| Resource Mobilization from HEC, PSF, Self sponsorships/ PARB etc |               |             |              |              |             |             |             |             |             |
| Selection of scholars/ students                                  |               |             |              |              |             |             |             |             |             |
| Joint degree program   |               |             |              |              |             |             |             |             |             |
| Supervision of post graduate research                            |               |             |              |              |             |             |             |             |             |
| International Conference on Mechanized Cotton Technology         |               |             |              |              |             |             |             |             |             |

**Task 6a:** Organizing international mango exhibition in Uzbekistan

**Task 6b:** Export of mango fruit and pulp

| ACTIVITY   | MAY<br>2017 | JUNE<br>2017 | JULY<br>2017 | AUG<br>2017 | SEP<br>2017 | OCT<br>2017 | NOV<br>2017 | DEC<br>2017 |
|--|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Resource Mobilization by Dean FA&ES MNSUAM         |             |              |              |             |             |             |             |             |
| Arrangement of Funding                             |             |              |              |             |             |             |             |             |
| Procurement and shipment of mangoes and mango pulp |             |              |              |             |             |             |             |             |
| Organizing mango exhibition                        |             |              |              |             |             |             |             |             |

**Task 7a:** Promotion of Citrus in Uzbekistan  
**Task 7b:** Export of Citrus fruit and Concentrate

| ACTIVITY   | NOV<br>2017 | DEC<br>2017 | JAN<br>2018 | FEB<br>2018 | MAR<br>2018 |
|--|-------------|-------------|-------------|-------------|-------------|
| Resource Mobilization by Director Citrus Research Institute, Sargodha, Dean FA&ES MNSUAM | ■           | ■           |             |             |             |
| Arrangement of funding   |             | ■           | ■           |             |             |
| Procurement and shipment of citrus and citrus paste, pulp and concentrate                |             |             |             | ■           | ■           |
| Organizing mango exhibition  |             |             |             | ■           | ■           |

**Task 8a:** R&D on potato  
**Task 8b:** Export of potato

| ACTIVITY   | NOV<br>2017 | DEC<br>2017 | JAN<br>2017 | FEB<br>2017 | MAR<br>2017 | MAR<br>2017 |
|--|-------------|-------------|-------------|-------------|-------------|-------------|
| Preparation of project proposal for funding by Director PRI Sa-hiwal | ■           | ■           |             |             |             |             |
| Approval of project and provision of funds by PARB                   |             | ■           | ■           |             |             |             |
| Procurement and shipment of po-tato                                  |             |             |             | ■           |             |             |

**Task 9a:** Promotion and export of dates  
**Task 9b:** Promotion and export of Guava pulp

| ACTIVITY  | MAY<br>2017 | JUNE<br>2017 | JULY<br>2017 | AUG<br>2017 | SEP<br>2017 | OCT<br>2017 | NOV<br>2017 | DEC<br>2017 |
|---|-------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Resource Mobilization by Director HRI, Faisalabad |             | ■            |              |             |             |             |             |             |
| Arrangement of funding                            |             |              | ■            | ■           |             |             |             |             |
| Procurement and shipment of dates                 |             |              |              | ■           | ■           |             |             |             |
| Procurement and shipment of guava pulp            |             |              |              |             |             | ■           | ■           | ■           |
| Organizing dates exhibition                       |             |              |              |             | ■           | ■           |             |             |

**Task 10:** Import of high quality cotton from Uzbekistan

| ACTIVITY                            | OCT 2018 | NOV 2017 | DEC 2017 | 2018 |
|-------------------------------------|----------|----------|----------|------|
| Obtaining NOC from federal Ministry |          |          |          |      |
| Import of cotton by APTMA           |          |          |          |      |

**Task 11a:** Import of Uzbek Hi-Tech Farm Machinery

| ACTIVITY   | JUNE 2017 | JULY 2017 | AUG 2017 | SEP 2017 | OCT 2017 | 2018 |
|--|-----------|-----------|----------|----------|----------|------|
| Preparation of project proposal for funding by DG Agric. (Field) |           |           |          |          |          |      |
| Approval of project and provision of funds by PARB               |           |           |          |          |          |      |
| Import of agric. Machinery                                       |           |           |          |          |          |      |

**Task 11b:** Test and evaluation of Uzbek Farm Machinery

| ACTIVITY                                | MAR 2018 | APRIL 2018 | MAY 2018 | JUNE 2018 | JULY 2018 | AUG 2018 | SEP 2018 | OCT 2018 | NOV 2018 |
|---|----------|------------|----------|-----------|-----------|----------|----------|----------|----------|
| Test and evaluation of tractors         |          |            |          |           |           |          |          |          |          |
| Test & evaluation of combine harvesters |          |            |          |           |           |          |          |          |          |
| Test and evaluation of cotton planters  |          |            |          |           |           |          |          |          |          |
| Test and evaluation of cotton pruner    |          |            |          |           |           |          |          |          |          |
| Test and evaluation of cotton Picker    |          |            |          |           |           |          |          |          |          |

**Task 12:** Import of fertilizers from Uzbekistan

| ACTIVITY                               | JULY 2017 | AUG 2017 | SEP 2017 | OCT 2017 | NOV 2017 | DEC 2017 | 2018 |
|--|-----------|----------|----------|----------|----------|----------|------|
| Obtaining NOC from Federal Ministry    |           |          |          |          |          |          |      |
| Import of fertilizer by private sector |           |          |          |          |          |          |      |

# ANNEXURE VI

## LIST OF COTTON, RICE AND POTATO STAKEHOLDERS

### COTTON

1. Dr. Asif Ali, Vice Chancellor, Muhammad Nawaz Sharif University of Agriculture, Multan, Pakistan. Tel: 0092-61-9201711, Email: vc@mnsuam.edu.pk
2. Dr. Abid Mahmood, Director General Agri. (Research), Ayub Agricultural Research Institute, Faisalabad, Tel:0092-9201671, Email: dgaraari@yahoo.com
3. Dr. Saghir Ahmad, Director, Cotton Research Institute, Multan, Pakistan. Tel: 0092-303-6660277, Email: saghirahmad\_1@yahoo.com
4. Mr. Sheikh Muhammad Akbar, Acro Spinning & Weaving Mills Ltd., 106/3 Saint Johns Park, Lahore Cant, Tel:+92-42-36664301-04, E-mail: sakbar@acrospinning.com
5. Mr. Sohail Mehmood Harral, Chairman Cotton Research and Development Board/ PCGA, Multan, 0092-3008737711, Email: pcga@pcga.org, sohailharal@gmail.com
6. Dr. Zahid Mahmood, Director, Central Cotton Research Institute, Multan, Pakistan. Tel: 0092-61-9201128, Mobile: 0092-300-6804855, Email: ccri.multan@yahoo.com
7. Mr. Hamid Shehnsah, Assistant Director, Trade Development Authority of Pakistan, 3rd Floor, Block A, Finance & Trade Centre, P.O. Box No. 1293, Shahrah-e-Faisal, Karachi 75200 Pakistan. Tel: +92 21 99206487-90, tdap@tdap.gov.pk, tdap.support2@tdap.gov.pk
8. Mr. Khawaja Jalaluddin Roomi, Chairman Chambers of Commerce and Industry, Multan. Tel: 0092-61-4511158, Mobile: 0092-300-8631100
9. Mr. Muhammad Saleem Iqbal, Chairman Chambers of Commerce and Industry, Bahawalpur Tel: 0092-62-9260503, Mobile: 0092-300-8681212
10. Mr. Khawaja Muhammad Ilyas, Chairman Chambers of Commerce and Industry, DG Khan. Tel: 0092-64-9260503
11. Dr. Muhammad Ghaffar, Chairman Department of Agronomy, Muhammad Nawaz Sharif University of Agriculture, Multan, Pakistan. Tel: 0092-61-9201683.

### RICE

1. Dr. Muhammad Akhtar, Director Rice Research Institute, Kalashahkakoo. 0092-3008400853, Email: director\_rice@yahoo.com
2. Muhammad Asif Rana, Director Marketing, Atlas foods Private Limited, 17-KM GT Road, Kamoke, Punjab, Pakistan. 0092-321-6466414
3. Mr.Samee Ullah Naeem, Green Foods Private Limited, 18-KM GT RoadGujranwala Near Chianwali, Punjab, Pakistan. Tel: 0092-321-6445135
4. Mr. ErkinjonYunusov, Chairman of the Bboard, Ministry of Foreign Economic Relations, Investments and Trade of the Republic of Uzbekistan, Uzbekistan street, 100029, Tashkent, Republic of Uzbekistan, Tel: 998712385445, Mob: 998903234880, Fax: 998712385404, E-mail: e.yunusov@use.uz, Web: www.use.uz
5. Mr. Hamid Malhi, Chairman Pakistan Basmati growers Association, Lahore
6. Mr. Abdul Basit, Chairman Chambers of Commerce and Industry, Lahore Tel: 0092-42-35837512

7. Mr. Saeed Ahmad Taj, Chairman Chambers of Commerce and Industry, Gujranwala Tel: 0092-55-9200391, Mobile: 0092-321-7408000

## POTATO GROWERS

1. Mian Maqsood Jatt, Chairman Potato Research and Development Board Punjab Potato Research Institute Sahiwal/Vice President Potato Growers Coop Society Pakistan /Member Punjab Agriculture Commission, Contact: 03336982641, Email: maqsood.jatt@gmail.com
2. Rana Humayun Khan, Farmer, Dipalpur, Okara, Contact: 03008690300, Email: azeez7979@hotmail.com
3. Raza Khan, Farmer, Businessman, Dipalpur, Okara, Contact: 03077770772, Email: zacomplex@gmail.com
4. Khalil ur Rehman Khan Kakar Zamindar Seed Corporation, Dipalpur +92 3008407350
5. Syed Abbas Raza Rizwi, Farmer, Dipalpur, Okara, Contact: 03008438438
6. Ch. Tahir Irshad, Farmer, Dipalpur, Okara, Contact: 03006955606, Email: wahab85gmail.com
7. Rana Aftab Khan, Farmer, Dipalpur, Okara, Contact: 03006959696, Email:wahab85gmail.com

## POTATO TRADERS

1. Mian Maqsood Jatt, Chairman Potato Research and Development Board Punjab Potato Research Institute Sahiwal/Vice President Potato Growers Coop Society Pakistan /Member Punjab Agriculture Commission, Contact: 03336982641, Email: maqsood.jatt@gmail.com
2. Rana Humayun Khan, Farmer, Dipalpur, Okara, Contact: 03008690300, Email: azeez7979@hotmail.com
3. Raza Khan, Farmer, Businessman, Dipalpur, Okara, Contact: 03077770772, Email: zacomplex@gmail.com
4. Khalil ur Rehman Khan Kakar Zamindar Seed Corporation, Dipalpur +92 3008407350
5. Syed Abbas Raza Rizwi, Farmer, Dipalpur, Okara, Contact: 03008438438
6. Ch. Tahir Irshad, Farmer, Dipalpur, Okara, Contact: 03006955606, Email: wahab85gmail.com
7. Rana Aftab Khan, Farmer, Dipalpur, Okara, Contact: 03006959696, Email:wahab85@gmail.com

## POTATO PROCESSING UNITS

1. Haji Gulzar, Focal Person, Fruit and Vegetable Market, Dipalpur, Okara, Contact: 03226979030, Email: irfanqamar48@gmail.com
2. Malik Qasim Ali Jani Khan, President New Fruit & Vegetable Mandi Association Dipalpur/Exporter, Middleman/Exporter, Dipalpur/Okara/Peshawar/Kabul, Contact: 03006955606, Email: malikqasimjani@gmail.com,
3. Malik Sohni, President: All Pakistan Fruit & Vegetable Mandi Federation, Middleman/Exporter, Peshawar/ Kabul, Contact: 03009598102, Email: maliksohni@gmail.com
4. Malik Sohni, President: All Pakistan Fruit & Vegetable Mandi Federation, Middleman/Exporter, Peshawar/ Kabul, Contact: 03009598102, Email: maliksohni@gmail.com

- 
5. Ahmad Khan, Middleman/Exporter, Dipalpur/Quetta/Kabul, Contact: 03337812766, Email: milattrading@yahoo.com
  6. Adnan Farooq, Middleman/Exporter, Dipalpur/Okara/Karachi, Contact: 03217086070, Email: adnansarooq70@gmail.com
  7. Mr. Qasim Khan, Middleman/exporter, Quetta/Kabul, Contact: 03337873000
  8. Malik Abdul Malik, middleman/Exporter, President Federation of Export Association of Pakistan, Karachi, Contact: 0092-21-35394378, Email: kstc@khansons-trading.com

### POTATO PROCESSING UNITS

1. Khalil ur Rehman Khan Kakar, Potato Washer and Dryer Unit, Dipalpur, +92 3008407350
2. Adnan Farooq, Grader, Potato Washer and Dryer Unit, Dipalpur/Okara Contact: 03217086070, Email: adnansarooq70@gmail.com
3. Asif Zubair, Grader, Potato Washer and Dryer Unit, Dipalpur/Okara, Contact: 03216961800, Email: asif.rasheed1800@gmail.com
4. Ali Husnain Awan, Potato Washer and Dryer Unit, Peshawar/ Kabul, Contact: 03009598102, Email: hussnsintrade@yahoo.com
5. Rana Tihawar Khan, Green System Pakistan, Dipalpur, Contact: +92 336 5100000

### POTATO EXPORTERS

1. Dr. Sheraz Ahmad. Filous International, Islamabad, ChaarSadda, Quetta, Uzbekistan Exporter +92 3355838083 drsherazz22@gmail.com
2. Khalil ur Rehman Khan Kakar, Potato Washer and Dryer Unit, Dipalpur, +92 3008407350
3. Ch. Abdul Rauf Hanjra FFR Associates, Okara. Contact: +923336962828
4. Malik Qasim Ali Jani Khan, President New Fruit & Vegetable Mandi Association Dipalpur/ Exporter, Middleman/Exporter, Dipalpur/Okara/Peshawar/Kabul, Contact: 03006955606, Email: malikqasimjani@gmail.com,
5. Malik Sohni, President: All Pakistan Fruit & Vegetable Mandi Federation, Middleman/ Exporter, Peshawar/ Kabul, Contact: 03009598102, Email: maliksohni@gmail.com
6. Ahmad Khan, Middleman/Exporter, Dipalpur/Quetta/Kabul, Contact: 03337812766, Email: milattrading@yahoo.com
7. Adnan Farooq, Middleman/Exporter, Dipalpur/Okara/Karachi, Contact: 03217086070, Email: adnansarooq70@gmail.com
8. Mr. Qasim Khan, Middleman/exporter, Quetta/Kabul, Contact: 03337873000
9. Malik Abdul Malik, middleman/Exporter, President Federation of Export Association of Pakistan, Karachi, Contact: 0092-21-35394378, Email: kstc@khansons-trading.com

# ANNEXURE-VII

## LIST OF B2B COMMUNICATION

### MANGO FRUIT

1. Mr.Ghulam Abbas Raan (Mango Exporter), Al Abbas Enterprises, Khawat # 478, Rawan Road Tatepur, Multan. Pakistan
2. Mr.Khurram Farid Khakwani, Mango grower and exporter Zarpak Horticulture Products, Multan.
3. Muhammad Khan Lagari, Rahim Yar Khan
4. Roomi Foods, Khanewal
5. Mr. Muhammad Tariq Khan1795-D, Justice Jabbar Street, Pir Khurshid Colony, Near City Hospital, Multan.
6. Trade Development Authority, Pakistan
7. Chambers of Commerce of various growing region of Mango
8. Pakistan Horticulture Development and Export Company
9. Mango Research and Development Board

### MANGO PULP

1. Mr. Zafar Iqbal, SMEDA Agro Processing Facilities, Multan
2. Fauji Fresh n Freeze, Fauji Foundation Group, Lahore Trade Center, 11 Shahrah-e-AiwanTijarat, Lahore.
3. Mr. Zafar Ahmad, Chief Executive Officer, Agro Food Processing (AFP) Facilities, Multan, Plot # 30-33, Industrial Estate
4. Ifthikhar Ahmad and Company, Plot No. 7, New Fruit & Vegetable Market, Super Highway, Karachi.

### CITRUS FRUIT AND CONCENTRATE

1. Trade Development Authority, Pakistan
2. Chambers of Commerce and Industry, Sartgodha
3. Pakistan Horticulture Development and Export Company
4. Mr.ZafarIqbal, SMEDA Agro Processing Facilities, Multan
5. Mr.Zafar Ahmad, Chief Executive Officer, Agro Food Processing (AFP) Facilities, Multan, Plot # 30-33, Industrial Estate
6. Ifthikhar Ahmad and Company, Plot No. 7, New Fruit & Vegetable Market, Super Highway, Karachi.
7. Mr.Akhtar Hussain Chaudhry, Fresh Juices Ltd, 216-B,Phase-III G.E.C.H.S Link Road Model Town Lahore

### DATES

1. Mr. Hamid Shehnsah, Assistant Director, Trade Development Authority of Pakistan, 3rd Floor, Block A, Finance & Trade Centre, P.O. Box No. 1293, Shahrah-e-Faisal, Karachi 75200 Pakistan. Tel: +92 21 99206487-90, tdap@tdap.gov.pk, tdap.support2@tdap.gov.pk
2. Pakistan Horticulture Development and Export Company, 30 N, Model Town Extension, Lahore (54700), Pakistan. Email: info@phdec.org.pk Tel. +92-42-99232210-17 Fax +92-42-99232220



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## GUAVA PULP

1. Mr.ZafarIqbal, SMEDA Agro Processing Facilities, Multan
2. Mr.Zafar Ahmad, Chief Executive Officer, Agro Food Processing (AFP) Facilities, Plot # 30-33, Industrial Estate, Multan,
3. Ifthikhar Ahmad and Company, Plot No. 7, New Fruit & Vegetable Market,Super Highway, Karachi.
4. Mr. Akhtar Hussain Chaudhry, Fresh Juices Ltd. 216-B, Phase-III G.E.C.H.S Link Road Model Town Lahore

# ANNEXURE-VIII

## CONTACTS OF UZBEK OFFICIALS AND BUSINESSES

| Sr. No | Name                      | Designation and Address   | Contacts  |
|--------|---------------------------|---|---|
| 1      | Mr. Shavkat A. Tulyaganov | Deputy Minister<br>Ministry of Foreign Economic Relations, Investment and Trade of the Republic of Uzbekistan<br>1, Uzbekistan Street, Tashkent, 100029, Republic of Uzbekistan   | Tel:+99871 238-50-02<br>Fax: +99871 238-50-00<br>E-mail: sh.tulyaganov@mfer.uz  |
| 2      | Mr. Riaz H. Bukhari       | Mr. Riaz H. Bukhari   | Tel: +998712482173<br>Mob: +998909770883<br>Fax: +998711204921<br>E-mail:riazbukhari@hotmail.com<br>PakistanEmbassyTashkent@gmail.com |
| 3      | Mr. Habib Munir           | Second Secretary<br>Embassy of Pakistan<br>15, Kichik Halqa Yoli Street Olmazor District, Tashkent, Republic of Uzbekistan  | Tel: +998712282091<br>Mob: 998911901275<br>Fax: +998711204921<br>E-mail:habibmunir@gmail.com,<br>PakistanEmbassyTashkent@gmail.com    |
| 4      | Mr. Nodir S. Otajonov     | Chairman of the Board<br>O'zagrotexsanoatxolding, joint-stock company<br>434 Buyuk Ipak Yuli street, M. Ulugbek district, Tashkent city   | Tel: +998712641740<br>Fax: 998712640616<br>E-mail: info@uzatsx.uz   |
| 5      | Mr. Bakhodir Yunsusov     | Food Industry Development Department<br>O'zbekoziqovqatxolding, Holding joint-stock company<br>73A, Nukus street, Tashkent city, 100015, Republic of Uzbekistan   | Tel: 998712156967<br>Mob: 998909300010<br>E-mail: corall-elite@mail.ru  |
| 6      | Mr. Saidabbos Saydaminov  | General Director<br>Uzagrotechmash JSC<br>100142, republic of Uzbekistan, Tashkent, Buyuk Ipak Yoli street, 434   | Tel: 998712640430<br>Fax: 998712640616<br>E-mail: s.saydaminov@uzatm.uz   |
| 7      | Mr. Azmiddin U. Kambarov  | Deputy Chairman<br>O'zbekoziqovqatxolding, Holding joint-stock company<br>73A, Nukus street, Tashkent city, 100015, Republic of Uzbekistan  | Tel: 998712556093<br>E-mail:info@oziq-ovqat.uz<br>Web: www.oziq-ocqat.uz  |
| 8      | Ms. Shahobiddin Karimon   | Head of Unit on Monitoring of Projects Department for Foreign Investments and Monitoring of Projects<br>Ministry of Agriculture and Water Resources of the Republic of Uzbekistan<br>4, Navoi street Tashkent, 100004, Republic of Uzbekistan | Tel: 998712412351<br>Mob: 998901676916<br>E-mail: shahobiddin2000@yahoo.com, shahobiddin1@inbox.uz                                    |
| 9      | Mr. Erkinjon Yunusov      | Chairman of the Board<br>Ministry of Foreign Economic Relations, Investments and Trade of the Republic of Uzbekistan 1, Uzbekistan street, 100029, Tashkent, Republic of Uzbekistan   | Tel: 998712385445<br>Mob: 998903234880<br>Fax: 998712385404<br>E-mail: e.yunusov@use.uz<br>Web:www.use.uz                             |

|    |                                    |   |   |
|----|------------------------------------|---|---|
| 10 | Mr. Namazov Shadman Ergashovich    | Director, Dr. of Science, Professor<br>Ministry of Agriculture and Water Resources of the Republic of Uzbekistan<br>Uzbek scientific production center of Agriculture Research Institute of Cotton Breeding, Seed Production and Agrotechnologies<br>111218, University street 1, Salar, Kibray district<br>Tashkent region, Republic of Uzbekistan | Tel: 998951462277<br>Mob: 998946604622<br>E-mail: piim@qsxv.uz  |
| 11 | Mr. Shahruz A. Khadjaev            | Deputy head of Department for Foreign Economic Relations and Investments<br>Uzpakhtasanoatexport Holding Company<br>Tashkent city, Sh.rustaveli street, 8A  | Tel: 998711204246<br>Mob: 998983070603<br>E-mail: HC36@UZPSE.UZ<br>Web:www.UZPSE.UZ                         |
| 12 | Mr. Islamov Sohib Yahshibekovich   | Vice Rector<br>Tashkent State Agrarian University<br>University Street 2, Tashkent region, Kibray district, 100140, Uzbekistan  | Tel: 998712604770<br>Mob: 998977519680<br>Fax: 998712604879<br>E-mail: soxib606@mail.ru<br>Web:www.agrar.uz |
| 13 | Mr. Khudaykulov Jonibek Bozarovich | The Head of Department of Plant Science<br>PhD Doctor of Agronomy<br>Tashkent State Agrarian University<br>2 Universitetskaya street Kibray, Tashkent Region, Uzbekistan 700140   | Tel: 998909096248<br>E-mail: joinbek-78@mail.ru   |
| 14 | Mr. Sanjar Adilov                  | Head of International Relations Department<br>Tashkent State Agrarian University<br>Universitetskaya 2, Tashkent region 100140, Uzbekistan  | Tel: 998712604341<br>Mob: 998935821464<br>Fax: 998712603860<br>E-mail: adilovs@hotmail.com                  |
| 15 | Mr. Zakhid A. Salikhov             | Deputy Director<br>Ministry of Agriculture and Water Resources<br>Dept. of International<br>4. A. Navoly Street<br>Tashkent, 100004<br>Republic of Uzbekistan   | Tel: +998712413153<br>Fax: +998712442817<br>E-mail: zsalikhov@gmail.com                                     |
| 16 | Mr. Tahir Aziz Chaudhary           | Counsellor<br>Embassy of the Islamic Republic of Pakistan in the Republic of Uzbekistan<br>15. Kichik Halqa Yoli Street<br>Almazar District<br>Tashkent, Uzbekistan   | Tel: +99871228<br>Mob: +998946102093<br>Fax: +998711204921<br>E-mail: tahiraziz171@gmail.com                |
| 17 | Mr. Ahsan Irshad                   | Head of Marketing<br>British American Tobacco<br>Uzbekistan   | Tel: +998711205555<br>Mob: +998909730003<br>Fax: +998711205309<br>E-mail: ahsan_irshad@bat.com              |

# MoUs SIGNED AT TASHKENT

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as “MoU”) is made at Tashkent, Republic of Uzbekistan on this 2<sup>nd</sup> day of May, 2017.

### BETWEEN

Cotton Research Institute and Muhammad Nawaz Shareef University of Agriculture, Multan (CRI + MNSUAM) working under the administrative control of the Secretary, Government of the Punjab, Agriculture Department having its office at 2-Bank Road, Lahore, which expression shall, wherever the context requires or permits, include its successors in interest, legal representatives and permitted assignees) of the First Part;

### AND

Cotton breeding, seed production and agrotechnologies research institute (CBSPARI) acting through its Director, which expression shall, wherever the context requires or permits, include its successors in interest, legal representatives and permitted assignees) of the Second Part.

CRI & MNSUAM and CBSPARI shall individually be referred to as the “Party” and collectively as the “Parties”.

### OBJECTIVE

Whereas, the Parties have mutual desire:

- a) to develop collaborative activities in the mutually identified areas of research and education, exchange of knowledge, germplasm and production technologies, particularly in cotton according to legislation of both countries
- b) to arrange exchange program for researchers, faculty and students for short trainings/visits;
- c) to conduct internship of students of MNSUAM in the Republic of Uzbekistan especially in cotton related technologies; and
- d) to promote joint publications and arrange international seminars/conferences in identified agricultural sciences.

Now, therefore, in furtherance of individual goals, mutual benefits and through friendly consultations, the parties hereto agree to conclude the MoU that will serve as the basis for further cooperation:



### Article 1: Facilitation

- a) The Parties shall formulate Joint Working Group (hereinafter referred to as “JWG”) to devise plans and monitor its implementation.

b) The JWG may also identify sub activities of each organization; facilitate procedural matters with the respective authorities, while remaining within their respective legal mandate.

**Article 2: Matchmaking:**

a) The Parties may organize/conduct matchmaking meetings and seminars for the agricultural universities of Punjab and the Republic of Uzbekistan.

**Article 4: Amendments**

a) Any changes or amendments to the MoU, if required, shall be reduced into writing after mutual consent of the Parties.

**Article 5: Legal Status of the MoU**

a) The Parties hereby acknowledge and agree that the MoU is not legally binding.

b) The Parties have no intention to create and nothing herein shall be construed as creating legal rights and financial obligations or any commitment whatsoever.

**Article 6: Tenure and termination**

a) The MoU shall enter into force instantly upon its execution and shall remain in effect for a period of 5 years from the date herein.

b) Notwithstanding the foregoing, the MoU may be terminated by either party by serving six months prior written notice to the other party at its official address.

IN WITNESS WHEREOF, the Parties hereto have signed the MoU, on the day, month and year mentioned.

FOR AND ON BEHALF OF  
CBSPARI


Director, Cotton breeding, seed  
production and agrotechnologies  
research institute

FOR AND ON BEHALF OF CRI &  
MNSUAM



Prof. Dr. Asif Ali, Vice Chancellor  
MNSUAM

  
Dr. Saghir Ahmad, Director CRI

Muhammad Mahmood

  
Secretary, Agriculture Dept. Govt. of  
Punjab

## MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (hereinafter referred to as “MoU”) is made at Tashkent, Republic of Uzbekistan on this 2<sup>nd</sup> day of May, 2017.

### BETWEEN

Ayub Agricultural Research Institute and Muhammad Nawaz Shareef University of Agriculture, Multan (AARI + MNSUAM) working under the administrative control of the Secretary, Government of the Punjab, Agriculture Department having its office at 2-Bank Road, Lahore, which expression shall, wherever the context requires or permits, include its successors in interest, legal representatives and permitted assignees) of the First Part;

### AND

Tashkent State Agrarian University, University Street 2, Tashkent Region Kibray District 100140, Uzbekistan (hereinafter referred to as “TSAU” which expression shall acting through its Rector, which expression shall, wherever the context requires or permits, include its successors in interest, legal representatives and permitted assignees) of the Second Part.

AARI & MNSUAM and TSAU shall individually be referred to as the “Party” and collectively as the “Parties”.

### OBJECTIVE

Whereas, the Parties have mutual desire:

- a) to develop collaborative activities in the mutually identified areas of research and education, particularly capacity building of Pakistani researchers for biological control of insect pests.
- b) to arrange exchange program for researchers, faculty and students for short trainings/visits;
- c) to conduct internship of students of MNSUAM in the Republic of Uzbekistan especially in cotton related technologies; and
- d) to promote joint publications and arrange international seminars/conferences in identified agricultural sciences.

Now, therefore, in furtherance of individual goals, mutual benefits and through friendly consultations, the parties hereto agree to conclude the MoU that will serve as the basis for further cooperation:

### Article 1: Facilitation

- a) The Parties shall formulate Joint Working Group (hereinafter referred to as “JWG”) to devise plans and monitor its implementation.

b) The JWG may also identify sub activities of each organization; facilitate procedural matters with the respective authorities, while remaining within their respective legal mandate.

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a) The Parties may organize/conduct matchmaking meetings and seminars for the agricultural universities of Punjab and the Republic of Uzbekistan.

**Article 4: Amendments**

a) Any changes or amendments to the MoU, if required, shall be reduced into writing after mutual consent of the Parties.

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b) Notwithstanding the foregoing, the MoU may be terminated by either party by serving six months prior written notice to the other party at its official address.

IN WITNESS WHEREOF, the Parties hereto have signed the MoU, on the day, month and year mentioned.

FOR AND ON BEHALF OF TSAU



Rector

FOR AND ON BEHALF OF AARI & MNSUAM

Dr. Abid Mehmood

Director General Agri (Res), AARI  
Prof. Dr. Asif Ali, Vice Chancellor  
MNSUAM

Muhammad Mahmood

Secretary, Agriculture Dept. Govt. of Punjab

AGRICULTURE DEPARTMENT,  
GOVERNMENT OF PUNJAB,  
LAHORE

 [www.agripunjab.gov.pk](http://www.agripunjab.gov.pk)

 [www.facebook.com/AgriDepartment](https://www.facebook.com/AgriDepartment)

**VISIT**  
Report

Tashkent, Uzbekistan