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NARRATIVE REPORT

February - October 2013



Associated Agencies



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List of Acronyms

ACP/OCT	African, Caribbean and Pacific/ Overseas Countries and Territories
APLAC	Asia Pacific Laboratory Accreditation
ASEAN	Association of Southeast Asian Nations
ASLP	Agriculture Sector Linkage Programme
BIPM/CIPM	Bureau International des Poids et Mesures / International Committee for Weights and Measures
CA	Competent Authority
CBS	Competitiveness Benchmarking System
CD	Compact Disc
CMO	Collective Management Organization
COPs	Codes of Practices
CRI	Citrus Research Institute
CRS	Computer Related Services
CSR	Corporate Social Responsibility
CV	Curriculum Vitae
DFID	Department for International Development
DG	Director General
DSA	Daily Subsistence Allowance
DG SANCO	Directorate-General for Health and Consumers
ECO	European Cooperation Organization
EU	European Union
FAO	Food & Agriculture Organization
FBOs	Fisheries Business Operators
FCS	Fishermen Cooperative Society
FDI	Foreign Direct Investment
GAP	Good Agriculture Practices
GI	Good Agriculture Practices
GSP Plus	Generalized System of Preferences
HACCP	Health Analysis & Critical Control Points
IBA	Institute of Business Administration
ICT	Information & Communication Technologies
IFAD	International Fund for Agriculture Development
IIAS	International Institute for Asian Studies
IPO	Intellectual Property Organization
IPR	Intellectual Property Right
ITC	International Trade Centre
KoFHA	Korangi Fish Harbour Authority
LUMS	Lahore University of Management Sciences
MFD	Marine Fisheries Department
MILE	Masters of International Law & Economics
MoC	Ministry of Commerce
MoST	Ministry of Science and Technology
MRA	Mutual Recognition Arrangement
MRS	Mango Research Station
NA	Norwegian Accreditation
NAPHIS	National Animal and Plant Health Inspection Services

NFSAPHRA	National Food Safety Animal and Plant Health Regulatory Authority
NEP	National Enquire Point
NESPAK	National Engineering Services Pakistan
NIFSAT	National Institute of Food Sciences and Technology
NGOs	Non-Governmental Organizations
NORAD	Norwegian Agency for Development
NPO	National Productivity Organization
NPSL	National Physical & Standards Laboratory
NTBs	Non-Tariff Barriers
NUST	National University of Science & Technology
OCR	Optical Character Recognition
OEE	Overall Economic Efficiency
OIE	International Office of Epizooties
PAKGAP	Pakistan Good Agricultural Practices
PC-1	Planning Commission Planning Document 1
PCSIR	Pakistan Council of Scientific and Industrial Research
PFA	Punjab Food Authority
PGDC	Post Graduate Diploma Course
PHDEC	Pakistan Horticulture Development & Export Company
PIDSA	Pakistan Italian Debt Swap Agreement
PITAD	Pakistan Institute of Trade & Development
PMO	Project Management Office
PNAC	Pakistan National Accreditation Council
PPD	Public Private Dialogue
PSC	Programme Steering Committee
PSQCA	Pakistan Standards & Quality Compliance Authority
REHIS	Pakistan Council of Scientific and Industrial Research
SPS	Sanitary & Phyto-Sanitary
STPF	Strategic Trade Policy Framework
TBT	Technical Barrier to Trade
TDAP	Trade Development Authority of Pakistan: TDAP
TEVTA	Technical Educational & Vocational Training Authority
TMR	Trade Marks Registry
TORs	Terms of References
TRIPs	Agreement on Trade Related Aspects of Intellectual Property Rights
TRTA II	Trade Related Technical Assistance Programme II
UAF	University of Agriculture Faisalabad
UNCTAD	United Nations Conference on Trade & Development
UNDP	United Nations Development Programme
UNIDO	United Nations Industrial Development Organization
USAID	U.S. Agency for International Development
USDA	United States Department of Agriculture
UVAS	University of Veterinary & Animal Sciences
WAPS	World Academy of Productivity Sciences
WIPO	World Intellectual Property Organization
WTI	World Trade Institute
WTO	World Trade Organization

Executive Summary

The report covers the progress made by the three components of the EU funded TRTA II programme from February to October 2013. Over this period of nine months the programme continued its implementation, making a visible positive impact on the selected stakeholders both in the public and the private sectors. In terms of both financial as well as output delivery the overall progress of the programme is in time and on target. The PMO, inclusive of all three implementing agencies (UNIDO, ITC and WIPO) with the support of MoC/PITAD and under the guidance of PSC, continued to perform and successfully implement programme activities.

Component 1: A major achievement during the reported period was the international accreditation of the 12 training modules developed by Pakistani Master Trainers under the guidance of WTI professors. With the support of the World Trade Institute (WTI), the accredited 12 training modules, developed under the guidance of WTI mentors through a six-month process, now include a comprehensive WTI-PITAD certificate on International Trade Law and Commercial Diplomacy. This is seen as important since, in order to comprehend trade policy issues and design interventions, policymakers need knowledge of the often complex multilateral and domestic trading environments. To advance such knowledge in a sustainable, predictable and cost-effective manner, TRTA II has sought to strengthen the institutional capacity of the Pakistan Institute for Trade and Development (PITAD), which, in turn, will impart their expertise to government officers.

Having developed the training modules and master trainers, the programme sought to fully utilize the developed capacity through implementing 11 trainings throughout the country in the reporting period. A total of 824 public and private sector participants were trained, with high levels of knowledge enhancement recorded among attendees. A significant achievement was the delivery of capacity building and training to more than 1,000 stakeholders during the entire programme period. Importantly, a second batch of Commerce and Trade Group STP trainee officers received a joint WTI-PITAD Certificate on International Trade Law and Commercial Diplomacy, which is internationally accredited and the successful officers will be entitled for waiver, should they wish to continue further studies at the WTI.

Through PITAD's competency in delivering these training, the institute is now generating greater demand for its upgraded training services. For instance, a request was made from the Federation of Pakistan Chambers of Commerce and Industry to carry out additional training sessions – not only in the main cities but also some industrial hubs (Sialkot and Faisalabad) of the country to extend trade related expertise to the stakeholders in those cities.

The public private dialogue (PPD) mechanism established under the programme is making strong roots and gaining stakeholder's confidence. The value of the PPD consultative process on diverse trade issues has been well recognized by key stakeholders and endorsed to enable them to make informed decisions. The Pakistan Ministry of Commerce formally recognized in a letter to the Executive Director of International Trade Centre (ITC) that the TRTAII programme efforts to institutionalize a comprehensive, regular and well-informed public-private consultative process among stakeholders on trade policy formulation, implementation and monitoring has been well received and has provided tangible results.

Additionally, the policy research study and the recommendations emanating from the PPD on enhancing benefits from the proposed EU GSP plus scheme were formally submitted to the Ministry of Commerce and to the Pakistani mission to EU Brussels which contributed to the understanding by the key stakeholders of the scheme and the reforms needed for enhancing benefits from the proposed scheme. Moreover, research studies and policy papers on Trade with India highlighted how the government can enhance benefits from the improved trade relations with India and where it needs to pursue aggressive policies to enhance competitiveness..

As a result of these interventions implemented to date, good progress has been made in the implementation of activities in all result areas addressed by Component 1.

Component 2: Upgrading the quality infrastructure in Pakistan is a major contribution that the Component 2 of the TRTA II programme is making. Prior to the interventions of TRTA II the efforts to improve the quality infrastructure in the Country were fragmented and to address this issue NAPHIS Project was initiated by the government. However, due to the complexity and dynamic nature of this field the Project had limited success. Hence it was agreed that TRTA II should support NAPHIS in a more concerted way. As a result of TRTA II efforts a National Food Safety Animal and Plant Health Regulatory Authority (NFSAPHRA) bill has been finalized and approved by the Ministry of Food Security and Research for approval. This bill now has been placed in the Federal Cabinet for its approval in principal in order to further proceed with this enactment.

Moreover, to enhance capacity of human resource to manage SPS systems TRTA II programme has worked with three national Universities and developed a Post Graduate Diploma Course in Food Safety & Controls. This course has received the international recognition through accreditation from Royal Environmental Health Institute of Scotland-REHIS, UK (UVAS in July 2013 and UAF in October 2013). The first session has already been successfully completed and 75 candidates have graduated. Already 2 of them have been recruited by MNCs.

The Programme has not only enhanced capacity at policy and strategy level in SPS but has also worked extensively with MFD to equip them with necessary tools and trainings. As of 12 March 2013, two processing plants have been approved for export of fisheries form Pakistan to the EU. To date, 7 consignments of fisheries products have been successfully sent to the EU for markets in Italy, Spain and the UK.

Eight technical regulations, code of conduct and code of ethics rules as well as official controls have been drafted for the Punjab Food Authority to help the PFA inspectors to better carry out their functions in line with international best practices. In addition, 18 food inspection kits distributed to the various stakeholders (9 to PFA; 2 each to the three universities where the PGDC in Food Safety & Controls is being taught; 2 to MFD; 1 to FCS and 2 remain with the PMO).

The POP (Pesticide) & Dioxin testing laboratory established at the PCSIR Laboratories complex in Karachi was inaugurated by the Federal Minister of Science & Technology on 29 August 2013 and accredited by PNAC in September 2013. It is worth noting that within six months of its establishment this laboratory has generated more than Rs. 9 million revenue from its testing services, with clients from the private sector, other donor programs (USAID) and of course from the MFD/fish business operators.

Of the testing and calibration laboratories receiving TRTA II support, 15 have been accredited by PNAC to date, while the rest have submitted their application from to PNAC and shall be assessed over the next two quarters. Staff of these laboratories has received local as well as international training through various study tours in Sri Lanka and Singapore.

NPO conducted a sector level benchmarking survey in the surgical instrument sector and a firm level Overall Effective Efficiency (OEE) based on the approach adapted and implemented by TRTA II programme. TRTA II programme provided the resources to NPO in conducting the above sector benchmarking survey in the surgical sector.

TRTA II programme has initiated the interventions on the Process Control and CSR with the overall objective to facilitate increased productivity and CSR improvement in the industrial sectors situated in the golden triangle (Gujarat, Sialkot and Wazirabad) of Pakistan. The industrial sectors include the companies involved in manufacturing Fans, Cutlery and Personal protective gear (gloves, boots, and clothing)

The main purpose of the programme interventions is to implement Process Control and CSR in order to achieve increased productivity and CSR improvement.

Twelve companies from the three industrial sectors (Fans, Cutlery and Personal protective gear: gloves, boots, and clothing) on the programme will go through a formal step-by-step program of improvements at the floor shops.

Following the discussions and approval of Programme Steering Committee (PSC IV) TRTA II programme, it was agreed that four identified companies in the cutlery sector will be supported on a cost-sharing basis for the provision of new technology for the polishing of the cutlery. Technical specifications were prepared in consultation with stakeholders, criteria for bidding and submitted to the procurement department for the processing. The Call for proposal was launched internationally and a number of companies have showed interest in the supply, installation and commissioning of the equipment.

The programme supported one manufacturer of protective gloves (with two different models), three manufacturers of motorcycle gloves (with 10 models in total), two manufacturers of motorcycle boots (7 models in total) and three manufacturers of electric fans (with 15 models in total) for the acquisition of the CE Mark. Motorcycle boot samples have been sent to the selected Notified Body (SATRA UK) for testing; results should be available towards the end of December 2013.

One training session has been given for the 14 Expert Trainers, and assignments were set for them. Consequently, two further training sessions are planned for December 2013 and February 2014 in order to qualify them.

The timely implementation of the code of practice in horticulture, the development of a consortium of mango growers and the visit of these farmers to the EU (The Netherlands, France and UK) made it possible to arrange the export of 12 mango consignments to ASDA-Walmart (UK) for a total of 50 tons valued at more than US\$ 200,000 during the last season. Furthermore, 2 additional consignments were sent to Econsave Malaysia albeit at the tail end of the season. As a result of these successful shipments, both ASDA and Econsave have inked additional deals with the mango consortium for continued supply of produce during the next season. This will translate to increased revenue directly for the farmers.

Twenty-two equipment kits (10 to Mango farmers and 10 to kinnow farmers) were provided to support the farmers to produce quality fruit. To support the research institutions to teach the farmers the new techniques of kinnow and mango farming, one kit each was provided to CRI and MRS.

Finally, the above specific interventions of improving productivity, quality, compliance and certification will only be sustainable if the requisite institutional support is built to match the requirements. Hence, the programme has supported the development of sustainable capacity at PSQCA, PNAC and NPSL. All these institutions work as the backbone of the overall quality, compliance and certification agenda of Pakistani firms going into future.

In the continued effort to develop a National Quality Policy, MoST (the lead Ministry) established a working group consisting of the key institutions responsible for quality assessment (namely: PSQCA, NPSL, PNAC and PSCIR) that would act as the counterpart in formulating the National Quality Policy. The working group, supported by TRTA expertise has now developed the first draft of this policy which is being shared amongst all the stakeholders (both public and private sector) at Federal and Provincial levels. Following which, the second draft will be prepared by December 2013 and tabled to the working group for approval and finalization and submission as a policy document.

As a result of interventions implemented to date, good progress has been made in the implementation of activities in all the four result areas addressed by Component 2.

Component 3: Firstly, in the area of Strengthened IP Institutions, an IPO Pakistan official is currently following LLM course in Intellectual Property at Turin. This would build capacity in the organization to analyze legal IP issues and facilitate improved inputs on specific IP law questions. Digitization of a large volume of IP paper records has started along with IP database validation. Implementation of the upgraded automation system (IPAS Java) is underway at the Patent Office and Trade Marks Registry. The tender for development of a web portal for IPO Pakistan was published. These modernization activities would result in significant tangible benefits for IPO Pakistan as well as users of the IP system. Following final stakeholder consultations on establishment of a Collective Management Organization (CMO) in Pakistan, an agreement was reached to implement key recommendations of the CMO study to operationalize a CMO.

Secondly, in the area of Strengthened IP Legislation and Policy Framework, final consultations were held with national stakeholders on possible introduction of Utility Model protection in Pakistan. This created a better understanding of the legal and economic issues involved in Utility Model protection that will in turn facilitate preparation of a position paper on the subject. International experts were identified for consultations with national stakeholders on provisions of Pakistan's draft Plant Breeders Rights (PBR) law and practical measures required to administer it.

The WIPO methodology and a set of tools for the development of a national IP strategy were shared with IPO Pakistan which would assist in preparation of a discussion paper for a roundtable on the subject planned in the near future.

Thirdly, in the area of Improved IP Enforcement, all activities have been implemented as planned.

Lastly, in the area of Increased Use of IP by Businesses and Research Institutions, final consultations were held on the paper on branding options for Kinnows through the use of Geographical Indications (GIs) and marks. It is expected that the paper would help the government and stakeholders to consider a more systematic marketing strategy for kinnows that makes an appropriate use of IP instruments. Consultations were held with national stakeholders on development of an IP Curriculum for law, business and engineering universities in Pakistan. A draft paper was completed that would serve as an IP curriculum guideline for Pakistani universities. A set of IP reference publications was delivered for use by PITAD and IPO Pakistan libraries. This would provide these two organizations access to a broad range of in-depth information covering all aspects of IP. A draft program was prepared for a roundtable on Technology Management Offices (TMOs) that is scheduled to take place in December 2013. This roundtable would discuss measures to establish and strengthen TMOs in the country.

As a result of interventions implemented to date, good progress has been made in the implementation of activities in all the result areas addressed by Component 3.

Donor Coordination: Following the initial meeting of Donors working in trade related areas and organized by MoC and EUD in conjunction with the TRTA II Programme, focus group meetings amongst key donors were organized to address regional trade with particular reference to border facilitation. These meetings were held to ensure harmonization of activities amongst donors [WB/IFC, USAID, ADB] and to avoid possible duplications. The role of TRTA II at such border facilities would be to (i) conduct NTB analysis to identify the potential products that can be traded from Pakistan to India Develop a web-portal to inform traders on both sides on procedures, requirements and due-diligence on SPS and TBT requirements for specific products, (ii) Support the harmonization of compliance requirements and mutual recognition of conformity through consultations between the Quality Infrastructures (accreditation, standards, testing and certification bodies) on both sides of the border, (iii) conduct public/private roundtables to develop resolutions to SPS, TBT and other soft procedural issues restraining trade, (iv) to promote B2B trade linkages in specific sectors, (iv) capacity building of the inspection service and MoC officials.

Visibility: During the period website was regularly updated; 3 quarterly Trade Time were issued; 2 SPS e-Newsletters were published; Press releases covering the events regularly featured in the media; 2014 Diaries and Desk Calendars are in print; Roll-up Posters covering various sectors; Research Studies: 5 research studies were published and disseminated to the stakeholders; Backdrops and Standee/ posters for the events, etc.

TRTA Extension Proposal: Subsequent to the request of EUD, the TRTA II formulated a Concept Note for the proposed extension phase of the Programme, from spring 2014 to the end of 2015, with additional funding of 2 Euro million.

1. Context of the Action

- 1.1 Trade is identified as one of the principal instruments of poverty alleviation, where export-led growth would lead to increased household incomes and employment opportunities signifying a positive trade poverty-nexus. The overall objective of the TRTA II programme therefore is to contribute to poverty reduction through sustainable economic development. The programme purpose is to increase exports and economic integration of Pakistan into the global and regional economy.
- 1.2 The TRTA II programme objectives are to be achieved through three programme components dealing with (i) trade policy capacity building; (ii) export development by improving the quality infrastructure and (iii) strengthening the intellectual property rights (IPR) regime.
- 1.3 **Component 1** is aimed at the Ministry of Commerce (MoC) and Government of Pakistan in developing a coherent trade policy and attendant regulations for export competitiveness. This is to be achieved by strengthening the skills of Government officers (in Ministries and implementing agencies) on trade policy and regulatory related issues and international trade negotiations. Moreover, it will promote a comprehensive, regular and well informed public private dialogue (PPD) among Government, the private sector and civil society as a basis for a coherent national trade policy and interventions.

Result Area 1.1: the objective is to assess institutional capacity of PITAD in light of international standards and benchmarks and provide equipment, software and library resources as per the assessment.

Result Area 1.2: aims at conducting capacity needs assessment of the trade related ministries and departments of the government. At the same time assessment of local training institutes particularly PITAD to conduct training and research and to fill the capacity gap of PITAD through development of training modules and training of master trainers under international mentorship.

Result Area 1.3: aims at utilizing the enhanced capacity and internationally accredited training modules for the capacity building of government officials through short trainings.

Result Area 1.4: aims at conducting internationally peer reviewed research studies to inform public private dialogues (PPDs)

Result Area 1.5: aims at conducting broad based and comprehensive PPDs on issues related to trade policy and domestic regulatory reform.

1.4 **Component 2:** The overarching objective is export development through improvement of quality infrastructure. This is to be achieved through (i) support to strengthen sanitary and phytosanitary (SPS) management systems; (ii) support to improved quality, value addition and compliance with market requirements of supply chains of selected sectors (fisheries, horticulture and industrial products); and (iii) support to improve conformity assessment infrastructure and service.

The Component 2 will intervene in three result areas:

Result Area 2.1: Strengthening SPS controls aims at development of a Federal Food Safety Animal and Plant Health Regulatory Authority with implementing arms in the provinces. This will, at the same time, help the Pakistani agro-based industry to prove compliance to SPS measures, reduce rejection rates and allow better market access.

Result Area 2.2: Aims at improving quality, value addition and compliance in fisheries, horticulture and selected industrial sectors. Provision of equipment in cutlery sector to upgrade technology as well as implement lean manufacturing principles, enhance productivity and employment in fan sector. This will increase competitiveness in the selected industrial sectors. The focus of this component is twofold. First, export development in agro-products (kinnow, mangoes and fisheries) through ensured SPS compliance and dissemination of good agriculture practices. Second, in the industrial sectors (fan, surgical, protective gears, cutlery), improved quality and value addition through addressing productivity, process control, CE marking and CSR issues. CE marking will be introduced in the fan, protective equipment and clothing sectors.

Business linkages between local producers and international buyers will be promoted for fisheries, horticulture and selected industrial products.

Result Area 2.3: Improved conformity assessment infrastructure and services aim to develop and streamline standardization and technical regulations practices as well as traceable national metrology services. This will lead to internationally recognized National accreditation as well as testing and calibration services.

In order to establish an overall strategic framework for quality infrastructure and services, the programme also supports the development of a National Quality Policy.

1.5 **Component 3:** This Component aims at further strengthening and modernizing the IP regime in Pakistan. This will be achieved by strengthening IP institutions as well as the IP legislative and policy framework. Support will also be provided to achieving more effective enforcement of IP rights and enhanced capacity of business and research institutions to use the IP system.

2. Activities Carried Out

2.1 Programme Management Office

2.1.1 The PMO continued to provide support for the successful conduct and implementation of the field operations of TRTA II programme by:

- Providing technical and logistical support to international experts fielded under the programme
- Following up on actions and issues identified by the international experts
- Maintaining continuous interactions and dialogue with key stakeholders and partner organizations in the public and the private sector
- Supporting PITAD in conducting continuous monitoring of implementation of the programme
- Establishing linkages with other donor led interventions in similar areas of TRTA II programme to avoid duplication and building synergies
- Supporting wide visibility of the EU and the TRTA II programme through newsletters, news briefs and website
- Providing administrative and operational support for smooth running of TRTA II programme activities

2.1.2 TRTA Extension Proposal: Subsequent to the request of EUD, the TRTA II formulated a Concept Note for the proposed extension phase of the Programme, from spring 2014 to the end of 2015, with additional funding of 2 Euro million.

2.2 Component 1: Trade Policy Capacity Building

2.2.1 Strengthening of PITAD's Institutional Capacity

The third annual assessment of PITAD equipment and library resources was conducted in association with different wings of PITAD. The library needs were thoroughly assessed in consultation with the WTI and the PITAD's officers, librarian and researchers. Books recommended by the WTI librarian were also shared with PITAD for their potential inclusion in the list. Nine books were provided to PITAD in February while the remaining books (118) were purchased through the ITC library and are in transit for provision to PITAD when received.

For assessing PITAD's equipment needs, a joint evaluation and assessment of PITAD's equipment was conducted. All functional wings of PITAD were involved in the process and the final list was reviewed at WTI and ITC. The agreed equipment was procured through UNDP Pakistan and provided to PITAD. The details of the equipment provided to PITAD along with proposed use are mentioned in the list given at Annex I.

2.2.2 Strengthening of PITAD's and other research institutes' expertise on trade policy

2.2.2.1 Two further training modules completed and accredited

Two further training modules were completed which were formally accredited by WTI after detailed scrutiny of the work and assessment of the quality to meet WTI standards. The accredited modules were trade, environment and climate change as well as Dispute settlement at WTO.

2.2.2.2 PITAD received international accreditation for jointly developed curriculum

The WTI on 3 September 2013 awarded accreditation to graduate-level training modules developed by PITAD in a ceremony held at WTI. Aimed at enabling PITAD to build-up its capacity for delivering training modules, the WTI helped to develop a joint WTI-PITAD certificate course on International Trade Law and Commercial Diplomacy deployed in Pakistan. Part of a partnership agreement between the WTI and PITAD, the main objective of the programme is to strengthen PITAD.

Starting in 2011, a total of 12 trade policy modules were developed by Pakistani master trainers with the support of leading international experts drawn from the ranks of WTI faculty and its global network. The training modules were completed through a combination of distance learning over a period of four to five months and face to face interaction during three weeks of training in Bern. The completed modules passed peer review followed by an assessment at WTI to ensure quality for accreditation. The accredited modules can be seen at Annex II. Another module on “Assessing the effects of preferential trade agreements (PTAs): measurement methodologies” was completed but could not pass peer review due to which it could not become part of the joint certificate.

2.2.2.3 Second Joint WTI-PITAD Certificate on International Trade Law and Commercial Diplomacy awarded to PITAD trainee officers

The 21st Specialized Training Programme (STP) batch of trainee officers of Commerce and Trade Group graduated from the Pakistan Institute of Trade and Development (PITAD) on 15 March 2013 after successful completion of a nine month long Specialized Training Programme (STP). This was the second time that the PITAD trainee officers obtained a PITAD and the WTI Joint Certificate in “International Trade Law and Commercial diplomacy” for successfully completing modules jointly developed by the two institutes which also forms part of the STP programme. The certificate is internationally accredited and will get waiver to the certificate holders should they wish to continue higher studies abroad.

2.2.3 Strengthening of Government officers' capacity on specific trade policy and international trade negotiations

2.2.3.1 Training on Intellectual Property Rights

A two day training course on Trade Related Aspects of Intellectual Property Rights (TRIPS) was conducted in Lahore on 11-12 March 2013. The training was jointly conducted by the ITC and the PITAD in collaboration with IC&I Department, Punjab. Technical assistance was provided by WTI. The provincial government of the Punjab province helped to organize the training and also shared

the costs. The training was carried out by a Master Trainer (trained under the programme) in partnership with his Mentor via video-conference.

Fifty-two government officers and researchers from federal government ministries, implementing agencies, provincial departments, universities, trade associations and research organizations participated in the training to strengthen their understanding of IPRs and domestic laws for their protection. Nearly all participants attending the training were satisfied. The training course focused on the role and importance of IPRs in today's society, IPR protection in national laws, different types of IPRs and the procedures for registering them. Case studies were presented relating to particular issues faced by Pakistan and the TRIPS multilateral agreement. The case studies included the Geographical Indication (GI) registration of the Pashmina shawl, the registration of Basmati rice and the GI protection of Darjeeling tea. Participants benefitted from the expertise and points of view of stakeholders from four different perspectives: local and international training institutes (PITAD and WTI), the public sector (the Intellectual Property Organization of Pakistan) and the private sector (the Pakistan Basmati Growers Association).

2.2.3.2 ITC and WTI assisted PITAD for training of Commercial diplomats designate

In February 2013, PITAD organized training for 35 newly selected commercial officers designate for posting abroad in which ITC and WTI contributed through delivering lectures and the organization of the training. Mr. Pierre Sauve, Director, External Programs and Academic Partnerships, WTI, lectured via-video conference a half-day session on Trade in Services and how the newly selected officers can contribute to the services exports enhancement from Pakistan. Similarly, Professor Gustav Brink lectured, also via video-conference, a half-day session on Trade Remedies and the role that commercial officers can play in identifying and protecting the domestic industry against unfair trade practices. This was an important regular training of PITAD particularly in a sense that the biggest batch of officers ever selected for posting abroad was trained. Moreover, it was the first time that international experts from the WTI were lecturing the newly selected commercial officers on issues of paramount significance. The designated commercial officers included Commercial Secretaries, Commercial Councilors and Trade Ministers. Specifically, in regards to lecturing inputs supported by the TRTA programme, high satisfaction and knowledge enhancement results were recorded (over 95% for both indicators).

2.2.3.3 Training on Trade in Agriculture

A two days training course on Trade in Agriculture was organized at Lahore on 10-11 June 2013 in collaboration with the Agriculture Department and Industries, Commerce and Investment Department of Punjab with technical assistance from the WTI. The training was delivered by Mr. Nauman Aslam, Master Trainer on Trade in Agriculture trained by WTI under the TRTA II programme who was supported by his mentor from WTI through video-conference. An officer from the TRTA II programme and an expert from the NAPHS project of Ministry of National Food Security and Research contributed to the training. The training was attended by 76 participants from federal government ministries, implementing agencies, provincial departments and research organizations to strengthen their capacity regarding domestic agricultural productivity and issues related to negotiations and international trade in agriculture. Almost all participants surveyed indicated their overall satisfaction as well as improvements in knowledge enhancement as a result of the event.

An important aspect of the training was the development of synergies between Component 1 and Component 2 of the TRTA II programme where interventions supported by Component 2 regarding SPS controls and Food Safety were covered in detail. The participants were informed regarding food safety issues and how laws governing food safety can contribute to better food for the domestic consumers and meet the requirements of export markets. Issues relating to fisheries and horticulture remained particularly in focus.

2.2.3.4 Training on trade defense laws (Trade Remedies)

A two days training course on Trade Remedies was organized on 02-03 July at the Lahore Chamber of Commerce and Industry by the ITC in association with PITAD, Punjab Department of Industries, Commerce and Investment, National Tariff Commission of Pakistan and the Lahore Chamber.

The training was delivered by Master Trainer, Ms. Maliha Quddus, who was supported by her mentor Dr. Gustav Brink from the WTI through video conference. Mr. Imran Zia Director National Tariff Commission (NTC) also delivered lectures on some important aspects of trade defense laws and the functions of NTC. The purpose of the training course was to build the capacity of the officers working in various ministries and government departments regarding the importance of Trade defense laws. The training focused at the importance and basic provisions of the three trade defense laws which include Antidumping Duties Agreement, Subsidies and Countervailing Duties Agreement and the Safeguard Agreement. The situation in which these agreements could be invoked and the procedures which should be adopted while filing applications against dumping, subsidies and the excessive imports threatening domestic industry were particularly covered. 68 government officers and researchers from federal government ministries, implementing agencies, provincial departments and research organizations as well as businessmen from Lahore Chamber of Commerce participated in the training. Almost all participants surveyed indicated their overall satisfaction as well as improvements in knowledge enhancement as a result of the event.

2.2.3.5 STP Trainees received training at WTI (Politics and Economics of PTAs)

As part of the capacity building of civil servants and strengthening of the Specialized Training programme (STP) the current batch of four trainee officers of PITAD were sent to WTI Switzerland for one week training on Politics and Economics of Preferential Trade Agreements in August 2013. The participants all successfully passed the required assessments.

The STP trainees will also receive a joint WTI-PITAD certificate on International Trade Law and Commercial Diplomacy after they successfully complete the 12 training modules which have been developed jointly by PITAD and WTI under Component 1 of the TRTA II programme. Two previous batches of the STP have received similar certificates which entitle them to a waiver should the certificate holders wish to pursue further advanced studies at WTI, Switzerland.

2.2.3.6 Training on Economics and Policy of Non-Tariff Measures

A two day training course on “Economics and Policy of Non-Tariff Measures” was organized at Lahore on 29-30 August 2013 in association with the Government of the Punjab. The purpose of the training course was to build the capacity of the officers working in various ministries and government departments regarding the economics and policy of non-tariff measures. The training focused on the difference between NTMs and NTBs and how the NTMs become barriers to trade. It also focused on the government motives for using the NTMs. The welfare effects of NTMs were

particularly analyzed during the training. The training took an in-depth look at NTMs which appear in many guises and serve many purposes. The training was carried out by a Master Trainer (trained under the programme).

Eighty-three government officers and researchers from federal government ministries, implementing agencies, provincial departments and research organizations participated in the training to strengthen their capacity regarding NTMs. All participants surveyed indicated their satisfaction for the event almost all indicated improvements in knowledge enhancement.

2.3.3.7. Series of trainings on Trade and Investment organized

Between, 9 and 12 September, a series of trainings on Trade and Investment were held in three separate cities across Pakistan (Karachi, Lahore and Islamabad) .The training were organized by ITC in association with PITAD, TDAP Karachi, and the government of Punjab. A total of 270 stakeholders attended the events.

Professor Julien Chaisse, a renowned scholar from Chinese University of Hong-Kong and the lead trainer, thoroughly investigated the legal side of the development in particular the changes in bi-lateral and regional FDI regulations and the lessons that could be learned for international investment agreements (IIAS) and the constitution of trading blocks. He threw light on the current position of international disputes / investor claims and the need for existing mechanism to address the issues. He utilized training material developed under the programme to deliver his lectures.

The training workshop built the capacity of stakeholders on issues related to investment, investment management, investment regulations and dispute settlement in investment treaties. The training particularly focused at the law and policy of investment, scope and standards of International Investment Agreements and different levels of international investment regulations. Particular attention was given to analyze the dispute settlement mechanism and Pakistan's experience in that connection. Almost all participants surveyed indicated their overall satisfaction as well as improvements in knowledge enhancement as a result of the events.

2.2.3.8 Series of trainings on Trade in Services organized

A series of training sessions on Trade in Services were conducted between 7-10 October in Karachi, Lahore and Islamabad in association with TDAP Karachi, Institute of Business Administration (IBA), and Punjab Department of Industries, Commerce and Industries. The trainings were attended by about 235 representatives from public sector, private-sector and academia.

The trainings provided a ready-made opportunity for participants to gain a much finer understanding of the complex range of issues relating to services trade and the scope for greater insertion of Pakistani service firms in global value chains. Such increased knowledge will enable participants to more effectively contribute to government policies in this area.

The trainings were conducted by Prof. Pierre Sauve, Head of External Programmes and Academic Partnerships, WTI and Mr. Shafiq A. Shahzad, Deputy Secretary Ministry of Commerce, and master trainer trained in 2011 under Component 1 on the subject. Almost all participants surveyed indicated their overall satisfaction as well as improvements in knowledge enhancement as a result of the events.

2.2.3.9 Meeting to discuss Services Export Development Strategy for Pakistan

A high level meeting on developing the state of Pakistan's services sector and export potential was held in Islamabad on 09 October. 30 senior officials and private sector representative's attended the event who stressed the need to update and implement a services export roadmap.

Pierre Sauvé, ITC's lead expert on trade in services for the Pakistan programme and Director of External Programmes and Academic Partnerships, WTI, spoke about the steps Pakistan needs to take to enhance the quality of its trade-policy formulation process in services. He also pointed to lessons learned from ongoing innovative efforts to support services export growth in China, Colombia and Mauritius. He emphasized that Pakistan can learn from these case studies and enhance its exports of Services.

Among the practical steps that were discussed, aimed at giving greater focus to the Pakistani government's efforts in services-trade promotion, was the updating and implementation of a services-exports roadmap study, prepared in 2007 for the Ministry of Commerce under the TRTA-1 project component. Equally crucial was the need to identify the country's bottlenecks in services and to decide what roles should be assigned to domestic reform and external liberalization efforts in tackling them.

Also discussed was the need to significantly strengthen Pakistan's architecture of trade-policy formulation in services, with a focus on enhanced inter-agency coordination and strengthened external stakeholder consultations. It was agreed that particularly important was the establishment of a 'Pakistani Coalition of Service Industries' to bring together the many disparate voices of the country's highly diverse service sector and to facilitate the process of stakeholder consultations.

It was agreed that there is a need to conduct a thorough audit of the country's regulatory regime for services and to identify sources of export readiness and competitiveness in the country, while strengthening Pakistan's trade and investment support institutions and designing support measures tailored to the needs of the services sector, tasks for which continued close cooperation with ITC will be central.

2.2.3.10 Cumulative achievements on trainings of stakeholders

Mr. Sajid Hussain, Director-General of PITAD, during a training session on Trade in Services held at Islamabad on 10 October acknowledged TRTA II Programme for building the capacity of more than 1000 stakeholders (1125) on different trade policy issues by PITAD and ITC under the Component 1. The cost/benefit analysis of this programme is favorable given the huge number of stakeholders have been trained and the facility of trained master trainers and institutions is available to extend trainings and capacity building to more stakeholders in future. Details of the trainings conducted under Component 1 can be seen in annex III.

2.2.4 Conducting research studies contributing to the development of a national export strategy

2.2.4.1 Publication and distribution of policy papers and research studies

The following 5 major research studies were made ready (editing, formatting, stylistic improving) for wide-spread distribution in Pakistan: 1) Enhancing Competitiveness and Export Potential in Livestock Sector; 2) Enhancing Competitiveness and Export Potential in Dairy Sector; 3)

Benefitting from EU GSP Plus Scheme 2014 Through Enhancing Competitiveness in the Qualified sectors; 4) Normalization of Trade of Industrial Goods with India- Opportunities and Threats: 5: Policy Reform for Export Enhancement to India in Agriculture Sector.

The findings of each of the studies have informed three public-private consultative processes on similar topics undertaken in the country in 2012 and 2013. Following the consultative processes, the studies were updated to better reflect the views and recommendations of stakeholders. The main findings of each of the studies have also been shared with the Government of Pakistan for their consideration. Copies of each of the studies were printed and distributed. On-line versions of the studies were distributed to key stakeholders across Pakistan and have been placed on the TRTA II website for easy access.

2.2.4.2 Selecting of research studies to inform 2013/14 PPDs and hiring of research consultants and peer reviewers

8 further research studies were identified by the Public Private Dialogue Steering Committee (PPDSC) to feed into six separate public private consultation processes on diverse trade policy, regulatory reform and/or negotiation topics. The studies will assist Ministry of Commerce in policy research on some of the initiatives contained in the recently announced three-year Strategic Trade Policy Framework (STPF) 2012-15 TORs were defined in consultation with local stakeholders and international experts. A competitive recruitment process was undertaken to select suitable research consultants. International experts were identified to mentor the local research consultants. Both researchers and mentors were contracted and orientated in their work. Further monitoring of progress has been undertaken.

2.2.4.3 Conduct of Research studies

A comprehensive mechanism is being followed for the conduct of policy research studies as identified by the PPDSC. The local researchers are working under the guidance of international experts in order to ensure quality of the research studies and to keep up with international standards. Field visits and consultations with the relevant stakeholders have been organized for the local researchers as part of their contract so that the issues being faced by the stakeholders are properly captured for incorporation in the studies and discussion during PPDs. A bi-weekly monitoring of the progress made by each pair of international mentor-national expert is being carried out.

2.2.5 Fostering public-private dialogue for a coherent national export strategy (Output 1.5)

2.2.5.1 Submission of policy recommendation papers emanating from the PPDs held in 2012 to the Government

Five policy recommendation papers were finalized after incorporating the recommendations emanating from the public private dialogues held, research studies commissioned and the position papers/recommendations submitted by the stakeholders. Those papers were formally presented during a meeting of the PPDSC held on 07 March 2013. After approval of the PPDSC the policy recommendation papers were formally submitted to Ministry of Commerce for their consideration and potential inclusion in the policies. The recommendation papers are listed as stated under 1.4.1.

2.2.5.2 Public Private Dialogue Steering Committee (PPDSC) meeting held

The third annual meeting of the PPDSC was held in the committee room of the Ministry of on 07 March 2013. The committee was co-chaired by Joint Secretary Ministry of Commerce and Director General Pakistan Institute of Trade and Development. Members agreed on 6 topics of PPDs and subsequent related research studies for being carried out during 2013 and early 2014. The details of the topics and research studies are given in Annex IV.

Later on the Ministry of Commerce with the approval of Secretary Commerce requested the programme to conduct a research study on the possibility of Pakistan joining the ASEAN and in this connection preparation of cost benefit analysis and negotiation strategy based upon the experience of other countries.

2.2.5.3 Coordination with local research institutes and other stakeholders

Immense ground work was undertaken for each training, such as to identify relevant stakeholders, raise their interest on the issues and inform about the details of the training or the PPD consultative platform and its benefits as well as the related research.

Discussions and consultations with the relevant ministries and PPDSC members were undertaken in the context of defining scope and objectives for the eight research studies to be undertaken during 2013/14 with a view to make the research objectives in line with the needs of the stakeholders

The trainings were conducted in the reported period in association with Trade Development Authority of Pakistan (TDAP), Institute of Business Administration (IBA), Lahore Chamber of Commerce and Industry, Department of Industries, Commerce and Investment, Punjab and Department of Agriculture Punjab, which ensured continuous support and interest of these stakeholders in the programme.

2.2.6 Synergies with other Components

In order to create synergies with other components of the TRTA II programme the stakeholders and counterparts they are working with under their respective components were also involved in the PPDs and trainings organized under Component 1. Similarly the counterparts of other UNIDO projects working in Pakistan were also invited in order to develop synergies. In nutshell the following have been done under Component 1 to create synergies in the reported period. Examples are given in Annex V.

2.2.7 Study Tours/Visits Abroad

One week annual study tour/meetings to Switzerland (Geneva and Bern) was organized for DG PITAD from 02-05 September. The objective of the visit of the DG PITAD was to hold meetings at WTI and ITC to review progress of the programme; to chalk out strategy for interventions in future under Component 1; receiving of the certificate of accreditation by WTI to PITAD for the twelve jointly developed training modules and to explore possibility of extending WTI-PITAD partnership arrangement beyond January 2014

2.3 Component 2: Export Development through Improvement of Quality Infrastructure

2.3.1 Component 2.1: Strengthening SPS Management System

During the reporting period, four International Experts were fielded through eight missions launched in SPS and Food Safety Systems. The details of the International Experts that were fielded are as follows:

Name of Expert	Country	Post/Activity Area	Duration (Weeks)	Dates in Field
Ian Goulding	UK/Portugal	SPS-Food Safety	First Mission: 2 weeks	05-18 May 2013
			Second Mission: 2 weeks	07-18 July 2013
			Third Mission: 2 weeks	06-20 Sept 2013
Andrew Mathieson	UK/Australia	Expert in Development of Training Facilities for Food Inspectors	First Mission: 2 weeks	26 June-15 July 2013
			Second Mission: 2 weeks	16-27 Nov 2013
Paul Allen	UK	Food Legislation	First Mission: 2 weeks	21 Feb – 06 Mar 2013
			Second Mission: 2 weeks	27 Aug-04 Sept 2013
Danny Wells	New Zealand	Database development for Food Authorities	2 weeks	03-16 Mar 2013

The Programme fielded an International Expert for 6 weeks over a three mission period to carry out tasks related to the development of an integrated coordinated SPS management system in Pakistan (farm to fork). Details of the activities carried out are given below.

TRTA II, FAO and the Pakistan Agricultural Research Council agreed to hold a round table on plant health for all interested stakeholders. This will lead to launch of a policy study and legal/institutional review of phytosanitary controls, in line with International Plant Convention Phytosanitary (IPPC) Capacity Evaluation tool. It is proposed to carry this out with IE and NE inputs, to be supported by TRTA II. Terms of reference were drafted and PARC requested to propose a National Expert.

A meeting was held with Department of Plant Protection, Karachi to discuss the work of the DPP, future initiatives to support strengthening of phytosanitary controls and the proposal to establish a National Food Safety, Animal and Plant Health Regulatory Authority. The DPP endorsed the approach proposed by TRTA II, FAO and the Pakistan Agricultural Research Council to hold a round table on plant health for all interested stakeholders (e.g. in September 2013). However

Department of Plant Protection has not yet engaged in the SPS reform process.

Roundtable meeting was organized by TRTAII, at Pakistan Agricultural Research Council on Monday 9th September, to discuss institutional and legal framework for plant health in Pakistan. The event was also attended by the Department of Plant Protection, FAO, CABI, PARC, NAPHIS. The DPP considers that the only obstacle is lack of resources. However legislation is out of date and there are also concerns regarding the legality (post-18th amendment) and financial sustainability of the substantive service provision undertaken by DPP (running fleet of aircraft, mango treatment facilities) which need to be addressed. All parties agreed that “Phytosanitary Capacity Evaluation” should be undertaken with international expertise (applying a standard review tool developed by IPPC). TRTAII has offered to support this activity with IE and NE inputs, and in collaboration with FAO (for example in sourcing a suitable expert, linked to FAO regional or HQ plant health functions). NAPHIS undertook to issue a formal request to TRTA II for support in undertaking a Phytosanitary Capacity Evaluation, in collaboration with FAO.

A National Expert (NE) was recruited by TRTA II to prepare a dossier of information for submission to the World Animal Health Organization (OIE). OIE has indicated it will respond by undertaking a Performance of Veterinary Services, leading to further definition of technical assistance requirements and prioritization. Discussions/briefing held with the PARC and the NE.

The IE reviewed and provided commenters on the draft dossier, prepared by the NE of information for submission to the World Animal Health Organization (OIE), which will form the basis of an invitation to OIE to conduct a “Performance of Veterinary Services”, an evaluation which will leading to further definition of technical assistance requirements in animal health controls and its prioritization. Draft outputs were reviewed and comments made.

Dossier was finalized in October following additional inputs from the IE and submitted to Secretary MNFD&R through letter dated 21 November 2013, for onward transmission to OIE through the OIE designated CVO (Animal Husbandry Commissioner).

Following re-opening of exports to the EU, a meeting was held with DG Marine Fisheries Department. It was pointed out that prior to export of any consignments, MFD should update the data submitted to DG MARE of the European Commission with regard to the Competent Authority for the issue of catch certificates under Regulation 1005/2008 on illegal, unreported and unregulated fishing. Several areas for future collaboration on fisheries were discussed and agreed with MFD.

A proposal was agreed that TRTA II would support participation of three beneficiary staff members at the World Seafood Congress 2013, in Newfoundland, Canada in September.

MFD has requested support in regulating supply of ice in the export supply chain. There is a need for specification of sanitary conditions, water treatment measures and monitoring requirements as a condition of approval of an ice plant by MFD for supply of ice to the fishery sector. Operators at Karachi fish Harbour consume 700 tons/day of ice, supplied by c.200 ice plants, none of which are under any form of control.

Conditions in the ice sector are very poor and represent a significant risk to health through contamination of the fish. There is a need for improved control of water quality (e.g. chlorination and conditions for water tanks) and improved hygiene in production and transport. The programme has proposed an approved ice supplier scheme to be enforced at the gate the harbour. It was agreed

that TRTA II would supply a draft set of technical requirements, a checklist and undertake training for inspectors, KFHA staff and key operators on water quality for ice production in fisheries to ensure that is accomplished.

2.3.1.1 Consultations with Punjab Food Authority (PFA) on strategic development

The Programme fielded two International Experts and a National Expert for 10 weeks over a five mission's period to carry out tasks related to the strengthening of the PFA based on the agreed MoU signed in January 2012. Details of the activities carried out are given below.

The Secretary Food Department and the Director General of the Punjab Food Authority agreed an ACTION PLAN for the PFA on 23 February 2013

The Working Group for Codes of Conduct and Ethics for the Members of the Punjab Food Authority and the Food Safety Officers agreed, on 28 February, that the Codes be remitted to the UNIDO Consultant Lawyer to produce a draft Rule by the end of March 2013.

The Working Groups for Official Controls and Food Labelling met on 2 March and agreed to meet again before the end of March 2013. The 2nd meeting would consider an agenda to be prepared by the UNIDO Consultant Lawyer on the legal steps and priorities required to harmonize the Provincial, Federal and EU laws in relation to Official Controls and Food Labelling.

The Workshops in Lahore on 2 March and in Islamabad on 5 March endorsed the ACTION PLAN for the Punjab Food Authority and also agreed that there was an urgent need for the NAPHIS Bill to be enacted.

Based on the agreed action plan draft frameworks for various food rules and regulations were prepared.

Food Inspection Kits (9) were provided to PFA in July 2013. PFA staff was trained on the use of the kits with field visits to numerous food business operators (bakeries, ice cream manufacturers and butcheries).

The list of items in each of the Food Inspection Kits provided is given at Annex VI.

Two important measures were drafted in July 2013 (Punjab Food Rules 2013, and Code of Conduct and Ethics Regulation).

It was agreed to deliver a longer term training input on food inspection after the summer, when inspection kits and new legislation is in place.

A power-point presentation was made to the DG and the Assistant Director on the main provisions of the draft Rule and, after substantial discussion and questions, the DG agreed that the presentation should form the basis of the consultation with stakeholders.

Muhammad Khurshid, Assistant Director, and the International Expert, went through the draft Rule, line by line, on 29 and 30 August. The International Expert incorporated the necessary amendments to the power-point presentation and to the draft Rule over the week-end of 31 August/1 September.

The Director General agreed on 28 August the power-point presentation to a Workshop for stakeholders on 2 September, 2013.

The Workshop in Lahore on 2 September endorsed the power-point presentation of the PFA Food Labelling Rules and the Director, Law and Parliamentary Affairs Department, Punjab Government, agreed the legality of PSQCA standards and that the PFA has the authority to enforce those standards. The Director General expressed the view that the Pure Food Rules 2011 may only need minor amendments to bring their food labelling laws up to date.

However PFA had failed to distribute the draft legislation in advance calling into question the value of the exercise, since discussion was necessarily general. The Programme team also met with the Director (Legal Affairs) of the Government of Punjab.

Working with the Authority's Lawyer and one of the inspectors, the following measures were prepared between July – September 2013, ready for detailed consideration by the Authority:

- Punjab Food (**Improvement, Prohibition and Emergency Prohibition**) Rules
- Punjab Food (**Registration and Licensing**) Regulations
- Punjab Food (**Registration and Licensing**) Rules
- Punjab Food (**Sampling and Laboratory Analysis**) Rules
- Punjab Food (**Seizure and Destruction of Unfit Food**) Regulations
- Punjab Food (**Traceability and Recall**) Regulation
- Punjab Food **Official Control Rules** 2013
- Punjab Food (**Food Hygiene**) Rules
- Punjab Food (**Labelling**) Rules

This legislation completes most of the operational requirements and implementation procedures of the Authority under the Punjab Food Authority Act. The remaining issue is additives and contaminants. These regulations may also provide a model structure for adoption by other Provincial competent authorities concerned with food safety.

TRTA's recommendations on SOPs for inspection, developed in May 2012 is yet to be adopted and a future mission is recommended to focus on implementation of a documented inspection system.

Development of a Database System for Food Authorities

The programme fielded an International expert for a period of 2 weeks to work exclusively with the PFA to help develop an IT-base database system. The details of the activities carried to are given below:

- Review & assess the current and planned food inspection and control data collection, storage and retrieval requirements (including the PFA control plan and the standard operating procedures)
- Recommend software development tools given the skills and experience of the current staff (e.g ORACLE, MS SQL Server, MS Access)
- Specify the design, structure, and operational characteristics of an internet based database to store the above data, along with distributed data input and reporting/query/data feed function

- Advise and support the PFA database manager in the preparation of the relevant modules.
- Recommend security requirements for the application.
- Specify hardware requirements to meet current needs, whilst taking into account demand future expansion of services. Specifications should be sufficiently detailed for inclusion in tender documentation.
- Estimate a budget for the establishment of the database in the form of hosting/licences and hardware.

Findings:

- The PFA has the technical skills and business knowledge to develop a good database application. The requirements should be thoroughly specified before any development is done. This is a common failing in Software development.
- The IT development is currently restricted due to a lack of resources. The PFA needs hardware, software and a hosting agreement.
- More staff resources would ensure timely delivery of a professionally development database application.
- One of the main factors affecting any development is the interruption to power. Currently development stops when there is a power outage with the potential loss of work and database corruption. UPS's and laptop with working batteries is required.

Following the recommendations of the TRTAII Database expert, PFA has identified the investment requirements. The cost of development of the system proposed is c.Rps4 million, with an additional monthly budgetary outlay for IT staff of 320,000/month.

Until now PFA has not been able to allocate the required budget. Based on TRTA advice the PFA IT Manager has been able to develop the outline of the database, but work cannot proceed without a) additional budget and b) management decisions on the design of the inspection system.

Training of PFA staff on inspection procedures and use of Food Inspection Kit

Following the provision of 9 food inspection kits to the PFA, the programme fielded an International Expert in to conduct training courses on inspection procedures and carry out *in situ* training of the food safety officer of PFA as well as academics of the PGDC in Food Safety & Control on the use of the kit while visiting/inspecting various food business operators. Summary of activities carried out are given below (details of trainings are given the section on Study Tours & Trainings).

- Two, 3-day training events were successfully delivered each to a total of 30 food safety officer, assistance food safety officer and laboratory technicians of the PFA. Group one had two observers from UVAS and Group two had two observers from UAF.
- The content of each course was the same. The content was agreed in advance with DG PFA to meet his perceived needs in training his staff in the new food inspectors' kit, improving the inspecting premises, demonstrating EU style inspections of food premises and visiting two food premises with each course to then review how a detailed risk based inspection should be carried out.

- Detailed feedback was received from each group indicating high satisfaction with the training and identifying the need for small group mentoring of the food officers/inspectors, production of SOPs, development of inspection forms for different classes of premises and development of industry guides to set the inspection standards for different classes of premises. DG PFA spoke highly of the quality of the training and agreed the areas identified as ‘future needs’.
- The DG PFA asked for SOPs to better aid staff and for additional support for inspection guidance, forms and standards as well as further mentoring of inspectors with small group visits to premises.
- The TRTA II programme asked DG PFA to support placement/internship of PGDC students from UVAS. This proved timely as UVAS had just written requesting the same. DG PFA immediately agreed and by the end of the mission some 12 students had been taken on as interns at PFA.

The following was observed:

- The PFA is experiencing difficulty in managing the scale of the problem in Punjab with only 30 field staff. Premises are broken into three categories (A – road side premises 18,000+, B – restaurants 10,000+ and C – main manufacturers 200+) and each team of three are expected to inspect and take samples from some 65 premises per day. This is making the task unachievable.
- Food officers/inspectors fed back that they benefitted greatly from the training. They identified the need for further small group visits to strengthen their inspection practice and skills. They also identified the real and urgent need for SOPs for using the inspection kit, improved inspection forms, guidance on professional practice and guidance on standards to be achieved. All this could be supported as it reflects best practice in EU.
- Academics have systematic difficulties in improving professional practice not least the lack of time allocated to this important course. NE should work with Deans and VCs to improve the time and financial allocations to staff involved in this PGDC.
- In discussions academics agreed they would be adopting some of the best practice into their teaching especially to reduce bias and plagiarism.
- TRTA II needs to continue to support these courses and put additional support in place to help bridge the gap between academic theory and professional practice.
- IE and NE resources and the setting up of a strategic and operational plan to support DG PFA.

Support for laboratory and testing services for PFA

The programme fielded an International expert during the reporting period on three separate missions covering a total duration of 3 weeks to work exclusively with the PFA to help address the laboratory and testing services. The activities included:

- Guidance for preparation of quality and technical manuals
- Technical modifications to the laboratory infrastructure
- List of equipment and consumables to be purchased
- Shift from testing for food quality to food safety
- Strategies for cost effectiveness in laboratory testing: out-sourcing verses in-house testing (what may be tested in other accredited laboratories in Pakistan and what may be tested in the laboratories of the PFA (non-accredited))
- Study tour/training of laboratory staff and the quality manager on working methods of an accredited laboratory and understand the quality control/management procedures necessary to ensure accreditation to ISO 17025

PFA has not progressed much following the information provided and recommendations made during the last three missions. The Director-General had some queries regarding accreditation of the laboratories and the expert explained the role of PNAC and information required in manuals in line with ISO 17025 International Standard. A building constructed for a laboratory by Punjab Health Ministry has been handed over to PFA.

The TRTA II International Expert visited the acquired laboratory (formerly city analyst lab) and reviewed the testing, human competency, space, facilities against food safety management objectives. Lengthy discussions were held with newly appointed Assistant Director (Laboratories) on new directions to be taken. Based on above observations and discussions, draft plan on matrices and tests to be performed to meet food safety criteria was prepared, and agreed up on. This includes split of testing in-house and out-sourcing. A complete plan to develop the laboratory to serve food safety interests has been provided to PFA. The expert also made a series of technical recommendations for making the under constructed laboratory functionally viable.

TRTA II concerns regarding PFA

Concerns were raised in letters submitted by the Punjab Food Authority to PITAD regarding the utility of TRTAII support to the PFA. On the other hand, many critical recommendations made by the project for inspection systems, legislation, laboratory testing, IT and new legislation have not been adopted. The TRTA has now delivered outputs addressing all items in the MoU signed with the Secretary Food in 2011. A formal letter to this effect has been submitted to PFA and dossier of outputs was prepared and formally presented to the Secretary Food, Government of The Punjab.

2.3.1.2 National Food Safety Animal and Plant Health Regulatory Authority (NFSAPHRA)

This Bill is now ready to be taken up by the new Government. NAPHIS as a project has been extended to June 2014. During the final year of TRTAII and NAPHIS it is recommended that the implementation plan for the Food Safety, Animal and Plant Health Regulatory Authority should be developed (budgets, structure, recruitment and staffing requirements). However this work cannot proceed until a policy decision has been made by the Government to promulgate the Bill. Additional Secretary has indicated that this is now a priority.

The Bill to establish the National Food Safety, Animal and Plant Health Regulatory Authority (NAPHIS Bill) is on the agenda for consideration by Cabinet.

NAPHIS is coordinating a review of existing SPS legislation (i.e. animal health and plant health, but not food safety). TRTAII advises that it is essential to ensure that these reviews take into account international requirements set by the OIE and IPPC for animal and plant health measures respectively. These requirements will be expressed in the PVS and PCE reviews supported by the project. The TRTAII project therefore advises that no drafting of new SPS legislation should be undertaken until these reviews are completed. A new Federal Food Safety law will also be required.

In view of positive prospect for the creation of the new Authority, longer-term support needs were discussed, which should, in principle, include preparation of SPS legislation, detailed organization structure, ToRs for key positions, and operational budgets.

A meeting was held with DG and staff of the Pakistan Standards and Quality Control Authority to discuss the promulgation of technical regulations concerning sanitary aspects of food, and the respective roles of Federal and Provincial Governments and PSQCA. At present PSQCA enforces some 40 technical regulations concerning food, based on PSQCA standards notified by the Ministry of Science and Technology. TRTAII has consistently advised that PSQCA should focus on standards promulgation and establishing the framework for technical regulations, but should not be a regulatory body. PSQCA provided TRTAII with relevant standards to help drafting of the technical regulations for labelling and hygiene for the Punjab Food Authority, since it is crucial that there be no substantive variances in legal requirements. By referencing PSQCA standards, it will ensure that Provincial regulations are linked to Codex Alimentarius standards

2.3.1.3 Post Graduate Diploma Course (PGDC) in Food Safety & Controls

The programme continues to support the three universities in conducting the PGDC in Food Safety & Controls through various interventions aimed at strengthening the delivery capacity of the instructors. To this effect an international expert was fielded for two weeks to carry out pedagogical training of the PGDC staff at UVAS and UAF and also demonstrate the use of the various items in the food inspection kits that were provided (2 each for the said universities for practical demonstration to the PGDC students. Details of the activities are given below.

- **Deliver pedagogical training to 15 UVAS and UAF staff:** Key academics involved in the teaching, development and delivery of the accredited PGDC attended a high level pedagogical event hosted by UNIDO at UVAS. This intensive course covered best EU practice for the documentation, development, delivery, assessment and QA/QC procedures. New cutting edge software was demonstrated and best practice in Pakistan was reviewed. Academics were exposed to a range of new learning and assessment strategies and tools including ‘Turn it in’, ‘peer marker’, ‘grade recorder’ and articulate. Detailed feedback was received from the academics and they anonymously expressed high degree of satisfaction with the trainer, training, material used and suggested strategies to enhance student learning, assessment and student experience. Key gaps identified were poor quality of teaching material (compared to EU equivalent), lack of e-learning environment for students (IE demonstrated his moodle site), standard of academic delivery (need for peer assessed micro teaching event) the need for a review of the syllabus to reduce overlap and duplicity.

- **Meeting with UAF focal point:** detailed the additional documentation required by REHIS in order to achieve full accreditation.

The following is recommended:

- The graduates of the Post Graduate Diploma Course in Food Safety and Controls should serve as good human resource for the PFA. The Director General PFA agreed that Food Safety Officers of PFA should give a lecture every month to the students at University of Veterinary and Animal Sciences and University of Agriculture Faisalabad about their experiences in the field. The Food Safety Officers of PFA should also take with them the students of post graduate diploma course for inspections, so that students have practical training.

2.3.2 Component 2.2: Improved Quality, Value Addition and Compliance in Fishery, Horticulture & Industrial Sectors

Ten missions of International Experts were launched during the reporting period in Component 2.2 Improved Quality, Value Addition and Compliance. The details of the expert missions are as follows:

Name of Expert	Country	Post/ Activity Area	Duration (Weeks)	Dates in Field
Adam Pinney	British	CE Marking	Third Mission: 2 weeks	03-13 Feb 2013
			Fourth Mission: 2 weeks	26 April – 03 May 2013
Kit Chan	Malaysia	Good Agriculture Practices	Eighth Mission: 2 weeks	01-14 Apr 2013 (ST UK & Netherlands)
			Ninth Mission: 1.5 weeks	6-15 May 2013
			Tenth Mission: 2 weeks	23 Jun – 04 July 2013
			Eleventh Mission: 2 weeks	29 Sept – 10 Oct 2013
Dirk Heuff	Netherlands	Expert in Marketing and Exports	Eighth Mission: 2 weeks	01-14 Apr 2013 (ST UK & Netherlands)
Mike Dillon	British	Value Addition	Seventh Mission: 2 weeks	7-15 Sept 2012
			Eighth Mission: 2.5 weeks	14 Nov – 04 Dec 2013
Wouter Put	Dutch	Process Control	First Mission: 1.5 weeks	28 Oct – 07 Nov 2013

2.3.2.1 Productivity improvements in the key industrial sectors

NPO is conducting a **sector level benchmarking** survey in the surgical instrument sector and a firm level Overall Effective Efficiency (OEE) based on the approach adapted and implemented by TRTA II programme in carrying out the similar benchmarking studies in Cutlery and fan sectors. The intervention is expected to identify the interventions to improve productivity, reduce wastages, reduce rejects, improve control, initiate performance measurement and improve worker's productivity, health and safety. TRTA II programme provided the resources to NPO in conducting the above sector benchmarking survey in the surgical survey.

TRTA II programme has **initiated the interventions on the Process Control and CSR** with overall objective to facilitate increased productivity and CSR improvement in the industrial sectors situated in the golden triangle (Gujarat, Sialkot and Wazirabad) of Pakistan. The industrial sectors include the companies involved in manufacturing Fans, Cutlery and Personal protective gear (gloves, boots, and clothing)

TRTA II programme **fielded two International Experts in Process control, Floor Management and CSR** to assess the scope of the programme and develop an understanding of the dimension of the intended interventions in the sectors.

Based on the assessment it was decided to provide **technical assistance at the sector level and a company level** component. At the sector level, the program provides a capacity building curriculum so as to build awareness, Show examples of success, Build independent and change management capacity among the associated agencies (NPO, SMEDA, EDB etc). The main purpose of the programme interventions is to implement Process Control and CSR in order to achieve increased productivity and CSR improvement.

12 companies from the three industrial sectors (Fans, Cutlery and Personal protective gear: gloves, boots, and clothing) on the programme will go through a formal step-by-step program of improvements at the floor shops. At the company level, the TRTA II programme is providing a support which embodies the principles of floor management and CSR such as Requirements for change, Process Control and Distinction between companies.

The TRTA II programme carried out benchmarking exercise in the cutlery sector. As a result of the benchmarking exercise in the cutlery sector, it was identified that to improve productivity and environmental condition at workplace, a **provision of new technology** is required at the polishing stage i-e rolling polish machines. Further investigations have informed us that without this intervention at a pilot scale, using 4 companies as a model, it would be difficult to address the issues concerning productivity, work environment, floor management and CSR in this sector.

Following the discussion and approval at the forum of Programme Steering Committee (PSC IV) TRTA II programme prepared in consultation with stakeholders the technical specifications, criteria for bidding and submitted to the procurement department for the processing. The Call for proposal was launched internationally and a number of companies have showed interest in the supply, install and commissioning of equipment.

UNIDO/TRTA and the selected Companies for the provision of equipment will sign an MOU covering all aspects of this support such as Company will share cost of technology upgrade by providing space, infrastructural changes, and construction of new halls, installation and other overheads.

These companies will have open door policy for other factories to visit and view the functioning of the installed technology and will also allow the programme to run awareness seminars and trainings as required.

2.3.2.2 Improving Consultancy Services and certification of enterprises

The TRTA II is providing ***support to the manufacturers of protective gloves, motorcycle gloves, motorcycle boots and electric fans to obtain the CE marking*** for their products, which is necessary for them to be exported to the European Union and other countries. The intervention has a secondary objective of training and qualifying Expert Trainers to assist Pakistani manufacturers with CE marking in the future.

The programme is supporting one manufacturer of protective gloves (with two different models), three manufacturers of motorcycle gloves (with 10 models in total), two manufacturers of motorcycle boots (7 models in total) and three manufacturers of electric fans (with 15 models in total).

Motorcycle boot samples have been sent to the selected Notified Body (SATRA UK) for testing; results should be available towards the end of December.

One training session has been given for the 14 Expert Trainers, and assignments were set for them. Consequently, two further training sessions are planned in December 2013 and February 2014 in order to qualify them.

2.3.2.3 Improving Competitiveness in the Fisheries Sector

- **Training of Master Trainers For training Of fishermen of Balochistan**

The Development of COPs for the good practices on small boat by the fishermen of Baluchistan coast was identified as a major activity after the need assessment, carried earlier in the TRTA II programme, with a major objective to provide comprehensive a guideline to fishermen and other crewmember operating on the boat during fishing, on the fish handling techniques and allied critical areas during and after harvesting so that the quality of the catch can be improved, post-harvest losses are reduced. To achieve the objective, training of 1000 fishermen is to be taken as per the inception phase log frame of the TRTAII programme through the master trainers. The plan and design for training of master trainers have been finalized in consensus with the Fisheries Department Government of Balochistan and all training related resource material has been completed to forge a good batch of master trainers, from Baluchistan fisheries department, Lasbela University and local leading NGO's and semi-government organizations through two international and national Experts, to provide in turn to the fishermen community direct hands on support.

The training programme resource material developed, focuses on developing skills in the master trainers with an emphasis on the quality assessment, control, grading, handling and icing of fish and the design of small boat fishing vessels. The programme also involves practising simple methods in cost benefit analysis. Knowledge transfer on fishery codes of practice for small vessels which will be developed during the TOT will enable the master trainers to design useful draft local codes of practice for fish species and vessels types relevant for Baluchistan.

- **Fisheries Value Addition**

An assessment was done of the fish processing industry needs in terms of its prospects for adding value options in Pakistan. The assessment was done in conjunction with Fish Processors and other stakeholders and an assessment report has been finalized by the International expert which indicates the following potential areas for value adding in the in seafood sector of Pakistan and these areas are;

- Sardine Value added processing ; fish oil extraction; whole fish Sardine matrix (Sardine - can be gutted and sold fresh or frozen as whole-fish in either block form or IQF; Sardine can be gutted then de-headed & de-dailed (processed for canning or pouch packs; Sardine head & tail can then be ground and cold pressed to extract oil); quality fish meal oil production; mobile block freezing unit facilities, particularly along the Balochistan coast where landing takes place at a number of costal pockets with no landing infrastructure facilities such as formal jetties or pontoons.

To make these selected technologies sustainable, the introduction however needs a systematic follow up by handholding of the private sector investor for implementing pilot value added option.

- **Feasibility study of Korangi Fish Harbour**

For operationalization of Korangi fish harbour, The NESPAK developed the first draft of the feasibility studies-based report on developing Business Park along with a business plan and for upgradation of landing sites and allied facilities at Korangi Fish Harbor. The draft was discussed at length in a specifically called meeting of stakeholders in the presence of international expert. The meeting after examining the zero-draft thread-bear decided to create two working groups to further discuss the details on the issues which needed more and clear pinpointed areas. The Two working group meetings were subsequently held, one with respect to policy related issues and the other group taking into account the local (bonafied) fishermen and the newcomer fishermen living in the neighborhood of Korangi Fish Harbor. The recommendation of these working groups are to be included in the feasibility report by the NESPAK and subsequently the second draft will be received from NESPAK in December for finalization and submission to the Government of Pakistan.

2.3.2.4 Improving Competitiveness in Horticulture Sector

Development of COPs along the critical points of the entire supply chain of kinnow and mango, identified as major activity in the inception report of TRTA II programme to provide comprehensive guidelines to farmers, processors, exporters and other stakeholders involved with the aim to increase production, maximize profit, improve quality and reduce losses is continuing.

COPs have been tested through pilot implementation and finalized based on the results. Finalized COPs will be published and disseminated for implementation at mass level. A workshop was conducted to finalize the first draft of COP manuals. The research institutions have completed the COP manuals which are being reviewed by the IE. The Citrus Research Institute (CRI), Mango Research Station (MRS) and University Agriculture Faisalabad (UAF) are compiling these COPs and it is expected that by the end of June 014 all manuals would have been tried and testing COPs would be ready.

Farmer Field Schools (FFSs) conducted by CRI and MRS have become a regular feature of Kinnow and Mango Farms. In each session, farmers gather to discuss and share each other's experience and knowledge. The facilitators from the Research Institutes (MRS and CRI) manage these meetings in controlled dialogues, where urgent and specific cultivation issues are discussed and resolved. Through these discussions, knowledge and technical skills are conveyed to the farmers and are internalized by these farmers. Trials and demonstrations are taken; hence this approach is of "learning by doing".

Twenty-two equipment kits (10 to Mango farmers and 10 to kinnow farmers) were provided to support the farmers to produce quality fruit. Moreover, to support the research institutions to teach the farmers the new techniques of kinnow and mango farming, one kit each was provided to CRI and MRS. The contents of the kit are given at Annex VII.

The programme facilitated the establishment of a consortium of four progressive growers of Mangoes from Multan. Mango Growers Consortium has started exports to Asda/Wal-Mart, UK and Econsave, Malaysia.

The fruit fly infestation causes brown rotten patches on the surface of mango fruit, making it inedible and finally destroying the whole fruit. The major problem in the export of mango is the threat of fruit fly and importing countries demand its comprehensive control. It also directly damages fruits and causes significant loss in yield. Farmer's awareness about its control is not updated and generally chemical control is adopted. Realizing the extent of damage TRTA II programme in collaboration with MRS has initiated an intensive fruit fly control programme. The control programme includes the installation of male fruit fly traps, female fruit fly traps, bait and orchard sanitation. Those orchards were selected which had started the export of mangoes through the nascent Mango Growers Consortium facilitated/established by the TRTA II programme.

In order to avoid potential loss and keep our environment unpolluted, management of fruit fly through integrated approach is most appropriate. Based on research Scientists of MRS adopted the impressive control measures to limit the incidence of fruit fly. The complete process includes Orchard Sanitation, Male Traps and Female Traps. This activity also provided the growers sufficient technical training to control the fruit fly in future.

2.3.2.5 Development of business arrangement along the international supply chain

Exchange programmes of the buyers and seller has been organized under the TRTA programme to establish trade links. The study tour of 10 growers, processors and exporters of Kinnow and Mango was organized to provide learning experience of the European markets. The representatives of TDAP, PITAD and PHDEC were also involved throughout the study tour.

The commercial counsellors based in the Pakistan Embassy at Netherlands, France and UK were taken on board and invited to participate in the meetings and visits to the buyers and supermarkets organized during the visit by the programme.

TRTA II experts organized altogether 12 meetings with big wholesalers/ retailers/ buyers in The Netherlands, France and UK where the tour participants have presented themselves, their companies and their products to buyers such as Dole in Paris, MWW in London, ASDA /IPL in Leeds. Visits were paid to various supermarkets such as Makro, Hanoos, Tesco, ASDA/Walmart and nationwide food service retailers targeting professional purchasers (companies, hotels, restaurants etc.).

The study Tour participants also *visited the Port of Rotterdam* on a boat, the Rotterdam Fruit Wharf (where fruits are unloaded from vessels and kept in storage) and visited the largest street market in Holland to see & meet consumers and market merchants.

All 4 companies/buyers in the Netherlands visited during the study tour expressed an interest to investigate possible business opportunities. All buyers in France and UK (Dole, MMW & ASDA) showed a serious interest in mangoes and in exploring opportunities to work together.

The negotiation between the *ASDA and identified exporter of mangoes* was facilitated by TRTA experts and *finalized for plan of shipments* during the season 2013.

The detail *Road Map for trial shipments of Mango to ASDA/IPL* has been developed and the implementation on detailed Road Map for trial shipments of Mango to ASDA/IPL has been initiated.

The international expert in GAP (Kit Chan) was fielded from 8 - 15 May 2013 was fielded to assess the capabilities of the selected exporters for the supply of Mangoes to ASDA. Based on his assessment of processors/exporters two groups of exporters were identified and recommended to ASDA for commercial shipments.

Fourteen (14) mango shipments were sent directly to the supermarkets. Five (05) shipments of Mangoes (Sindhri) were prepared under the supervision of TRTA II experts and sent directly to ASDA by the commercial exporter from Karachi, Eight (07) commercial shipments of the mangoes have been sent to UK by the Mango Growers Consortium.

The visit of 2 buyers/importers representing the supermarket of Malaysia (Econsave) was organized by TRTA II programme to the Kinnow, Mango and Potato clusters in Pakistan. The buyers/importers visited the production areas and processing facilities.

TRTA II programme organized one to one meetings of Malaysian buyers with Pakistani exporters of fruit and vegetables in Sargodha, Multan, Lahore and Chinot. And carried out the assessment of supplier of fruits and vegetables from Pakistan together with Malaysian Buyers.

The Malaysian Buyers placed the orders for the supply of Mangoes and two shipments of mangoes were sent to Malaysian Super Market (ECONSAVE) directly by the TRTA II facilitated Mango Growers consortium.

2.3.3 Component 2.3: Improved Compliance of Export Products with Market Requirement

Three International Expert were fielded over the reporting period through missions were launched during the reporting period on improving compliance of export products with market requirements. The details of the expert missions are as follows:

Name of Expert	Country	Post/Activity Area	Duration (Weeks)	Dates in Field
Upali Samarajeewa	Sri Lanka	Laboratory Accreditation	First Mission: 2 weeks	27 Jan – 09 Feb 2013
			Second Mission: 2 weeks	15-29 August
			Third Mission: 2 weeks	11-21 Sept, 2013
Subadra Jayasinghe	Sri Lanka	National PT Scheme & Chemical Testing (PCSIR)	First Mission: 2 weeks	27 Jan – 09 Feb 2013
			Second Mission: 2 weeks	19-29 May 2013
			Third Mission: 2 weeks	15-26 July 2013
			Fourth Mission: 2 weeks	11-21 Sept, 2013
Martin Kellermann	South Africa	Quality Infrastructure & its Socio-Economic Impact	Fourth Mission: 2 weeks	17-30 Jun 2013
			Fifth Mission: 2 weeks	24 Nov – 10 Dec 2013

The preparation of National Quality Policy under the aegis of ministry of science and Technology

Ministry of Science and Technology (MoST) organized a National Quality Forum in 2012 where it was realized the need to develop National Quality Policy.

National Quality Policy Workshop:

The NQP Workshop was held in Islamabad and approximately 60 participants from relevant ministries and various NQI institutions attended. The Additional Secretary MoST, Mr. Najeeb Khawar Awan, delivered the opening address, whereas the Secretary MoST, Mr. Akhlaq Ahmad Tarar, delivered the closing address, indicating the seriousness with which the Ministry views the development of the NQP for Pakistan.

Road Map for the Development of NQP

A high level Road Map for the development of the NQP was formulated and it envisages focus group meetings in Karachi, Lahore and Islamabad to obtain the input of the provincial authorities and the private sector before the next National Quality Forum will be organized.

NQP Workshop with Provincial Regulators on Technical Regulation Framework in Karachi and Lahore

The workshop was held on 20 June in the Marriott Hotel, Karachi arranged by MoST through PSQCA with the technical and financial support of UNIDO TRTA II programme. Around 30 representatives from various regulatory authorities in the Sindh and Baluchistan provinces attended. Similarly, the second workshop was held on 27 June in PCSIR Laboratories Complex in Lahore. Approximately 40 representatives from various regulatory authorities in the Punjab and KPK provinces attended as did a fair contingent of PCSIR. The UNIDO TRTA II International expert, Martin Kellermann delivered presentations with the options on the harmonization of the Technical Regulation Framework in the country. Thereafter inputs were sought from the provincial regulatory authority participants regarding their needs through facilitated dialogue.

Focus Group workshop with the private sector regarding the NQI and TRF in Karachi and Lahore

The Focus Group meeting, held on 21 June in the Marriott Hotel, arranged by MoST through PSQCA. Approximately 70 representatives from various private sector companies attended the workshop. The second focus group meeting was held on 27 June in PCSIR Laboratories Complex in Lahore, organized by MOST. Approximately 100 representatives from private sector attended the workshop. The TRTA II IE, Martin Kellermann, presented information on the NQP that is under development, and invited participants from the private sector to talk about their needs during a facilitated dialogue session. The insights gained, the needs expressed and the criticism of the current service delivery of the NQI were all collated for use in the development of the new NQP

Working Group:

MoST has established a small working group that can draft the text for National Quality Policy under the guidance of TRTA II International Expert. The Ministry of Science and Technology provided the names and contact details of the nominated members of the working group those are working together with the expert in doing so. The working group is operating as a virtual working group and communicate directly electronically

First Draft of NQP:

The Ministry of Science and Technology in cooperation with the TRTA II programme arranged a workshop to garner the first detailed input for the development of draft text for the 1st working paper of the NQP.

TRTA II Expert has developed a draft content list for the NQP based on international good practice and knowledge of Pakistan together with a short paragraph on the rationale for each article/sub-article. The draft content list was finalized in consultation with the members of the working group in September 2013.

TRTA II Expert has developed first draft of the National Quality Policy and circulated to all the MOST and members of the working group for review and comments in November 2013.

2.3.3.1 Improving and streamline standardization and technical regulations practices

- NEP at PSQCA shifted to the SDC in the new PSQCA premises and LAN network installed
- NEP now better able to coordinate with SDC in dissemination and receipt of international Standards and TBT requirements
- NEP staff to be trained through Study tour
- CLO yet to be re-established

2.3.3.2 Traceable national metrology services

- Assessment of NPSL metrology laboratories carried out by PNAC assessors for on-site calibration of instruments both in the testing laboratories as well as the industry.
- NPSL staff closed the non-conformities raised by PNAC assessors

2.3.3.3 Support to testing laboratories

Two international experts were fielded during this reporting period covering 7 missions from January 2013 to September 2013 and they carried out the following activities:

- Reviewed the progress of laboratories preparing for accreditation, to provide technical guidance to strengthen their documentation and hands-on practices, assist in preparatory work for submission of applications.
- Observed the hands-on activities in the testing laboratories and provide guidance to improve on techniques and record keeping and assist in preparation of applications for accreditation
- Conducted a training workshop on “Basics Concepts and Principles of ISO/IEC 17025 – Laboratory Accreditation” to analysts at PCRWR, NRLPD and PFA.

(Details are provided under the section entitled Study Tours/Trainings)

Review of quality & technical manuals and the record keeping in the laboratories

- The documents submitted prior to the mission were reviewed and suggestions were made to respective laboratories to improve the documents as an on-going activity.
- One-to-one discussions on the manuals were held, and on-the-spot guidance on the bench-work were provided as follows.

National Reference Laboratory for Poultry Disease (NRLPD):

- Fine tuned the record keeping prior to submission of application for accreditation.
- The laboratory continues to address the non-conformities raised by PNAC.

National Veterinary Laboratory (NVL):

- Reviewed the quality and technical manuals as progress on this aspect has been very slow.
- Suggested that the lab start record keeping immediately following the preapred documents.
- Quality documents established, but implementation of what is documented is yet to begin. The managers do not seem to take initiative to improve performance of the labs unless pointed out by expert during each visit.

Federal Seed Certification & Registration Department (FSC & RD):

- Final suggestions for the improvement of the three technical manuals were provided.
- The plan for technical modifications of laboratory spaces (for which the Government has already committed funds) was perused, and improvements suggested.
- The laboratory has re-established registration with ISTA.
- Laboratories appear more orderly and maintain high standards in housekeeping. The record keeping has improved.
- The analysts are committed now and are willing to learn and improve.
- Expert suggested further improvements to mycology laboratory separating incompatible functions.
- The application for accreditation is complete and submitted.
- Expert recognized the need of several equipment to the laboratories and financial assistance to purchase them is recommended.
- The committed managers need exposure to an accredited laboratory to recognize the operations. Probable laboratories for training were identified in Turkey (seed germination & seed purity) and Japan (seed health)

Fisheries Quality Control Laboratory (FQCL), Lahore:

- The labs have completed all the manuals. Expert spent two days at the bench, observing hands-on activities and establishing proper record keeping.
- The performance of the staff in FQCL is improving now with better record keeping and increased understanding on quality management.
- Application to be submitted for accreditation was prepared and submitted.

PCSIR, Peshawar Laboratories, Faisalabad:

- Expert observed hands-on activities in the laboratories and adherence to documented practices.
- Much improvement is needed in the microbiology laboratory on hands-on techniques. Guidance was provided wherever necessary.

- PCSIR has included testing for pesticide residues and microbiological testing of milk and juices as new scope.
- CRMs, and reference cultures provided

Ayub Agriculture Laboratories, Faisalabad:

- The laboratories were not visited. Expert is examining the manuals produced by different laboratories.

Animal Quarantine Department Laboratories:

- The laboratories were not visited as there was no progress.

Plant Protection Department laboratories:

- The laboratories were not visited as all the staff who promised to prepare the documents, have moved in to other positions elsewhere

Training/Study Tour proposals:

- Training requirements were identified for three groups from relevant laboratories as follows.
 - a) Technical managers and analysts in microbiology to ITI, Sri Lanka
 - b) Quality managers to ITI, Sri Lanka
 - c) Technical managers in Chemistry to Singapore

The trainings/Study Tours were completed as per following schedule:

17-30 March 2013 at ITI, Sri Lanka

13-27 April 2013 at DHI, Singapore

06-11 May 2013 at DHI, Singapore

(Details are provided under the section entitled Study Tours/Trainings)

The following are some of the observations in this regard:

- Most of the laboratories are progressing satisfactorily towards achieving recognizable levels of improvements in their practices, aiming accreditation by their own efforts, though slow.
- The Animal Quarantine and Plant protection laboratories have not made progress and may get dropped out from the assistance program.

Support to establish a National Proficiency Testing Scheme in Pakistan at NPSL

The International Expert in PT Scheme and Chemical Testing carried out the following activities during the reporting period:

- ***Training workshop on ISO 17043:2010***
 - The Workshop was conducted on 21st & 22nd May 2013 with 17 participants in attendance.

- The programme consisted of lectures and discussions on day 1 and drafting the Technical requirements of the Quality manual on day 2.
- This activity on drafting of Quality manual was carried out as group work with each group handling 3 or 4 clauses.
- At the end of the workshop, the required clauses of Quality manual were ready and it was later edited for further scrutiny with PT group of NPSL.
- ***Finalization of Quality manual for ISO 17043:2010***
 - The Technical requirements finalized and document readied for approval.
 - The Management requirements of the Quality manual that had been drafted by the PT team was reviewed as a home based activity and submitted to NPSL in early April. However, there had been no progress on attending to the comments made.
 - The editing of the Section 5.1 of Management requirements was initiated on 24th May and the PT staff agreed to complete Management requirements as they now have an idea on documentation of a Quality manual.
- ***Action plan***
 - The activities to be undertaken to have the NPSL PT to be established was discussed and an action plan was prepared and agreed as given in Annex VIII.

2.4 Study Tour/Training sponsored under Component 2

Details of trainings conducted in-country during the reporting period are provided in Annex IX:

2.4.1 Study Tour/Training of technical staff of laboratories receiving TRTA II support

Study Tour for Microbiologist & Quality Managers

To facilitate the accreditation of some of the testing laboratories receiving TRTA II support and to strengthen the technical capacity of these labs, the TRTA II programme arranged a 10-day study tour/training for 7 staff members from FQCL, Lahore (3); PFA, Lahore (2) and PCSIR Peshawar (2) at ITI, Sri Lanka from 17-30 March 2013. The details of the participants and trainings they received are given in Annex X.

Study Tour for Chemists & Quality Managers

To address the issue of testing requirements of the EU for environmental parameters, particularly for fish and water-based products, the TRTA II programme also arranged two 10-day study tours/trainings for 12 staff members from FQCL, Lahore (3); PCSIR Karachi (3); PCRWR, Islamabad (3); PCSIR Peshawar (1); MFD, Karachi (2) at DHI, Singapore, (Group I 16-26 April & Group II 06-17 May 2013).

As this was the first visit to DHI, a PMO staff member (Ali Abbas Qazilbash) accompanied the first group for 2 days to initiate the trainings. The details of the participants and trainings they received are given in Annex XI.

2.4.2 Study Tour of PSQCA Staff sponsored under TRTA II Programme

Study tour of PSQCA staff to participate in the 36th ISO General Assembly to be held in Saint Petersburg, Russia from 16-21 September 2013 was supported by the TRTA II Programme as the details provided in Annex XII.

2.4.3 Study Tour of PNAC/MoST staff sponsored under TRTA II Programme

Two study tours were arranged by the programme to facilitate the participation of PNAC and MoST officials at PAC and election meetings respectively. The PAC meeting had the added importance as the MLA for accreditation of certification bodies for QMS EMS was presented to PNAC officials. The Joint Technological Advisor form MoST was handed over the certificate at the PAC meeting. Subsequently an event was held in August 2013 where the certificate was officially presented to DG PNAC by the Federal Minister of Science & Technology in the presence of senior EUD officials. Details of both Study Tours are given in Annex XIII.

2.4.4 Study Tour of MFD staff sponsored under TRTA II Programme

The 2013 World Seafood Congress was held from the 28 September to 03 October at St. John's in Newfoundland, Canada. The programme sponsored the participation of DG MFD where he presented a paper on Up-gradation of Quality infrastructure to enhance sea food safety, inspection services and trade from Pakistan to the European Union market. Details are given in Annex XIV.

2.4.5 Study Tour EU-UK sponsored under TRTA II Programme

As part of the programmes deliverables of developing market linkages for the selected products, a study tour was arranged to provide selected processors and exporters of Kinnow and Mango with a real life experience of the European market. This was arranged with the collaboration of MoC/PITAD, PHDEC and TDAP, details of which are given in Annex XV:

2.4.6 Study Tour of PAKFEA

PAKFEA participated in Humber Seafood Summit, Grimsby, UK and Fisheries Product Trade Linkages Development based Tour sponsored under TRTA II Programme and details are given in Annex XVI.

2.5 Component 3: Strengthening of the Intellectual Property Rights with Market Requirement

2.5.1 Study Tours arranged under Component 3 of the TRTA II programme:

Strengthened IP Institutions

Mr. Aamar Latif, Assistant Director, IPO Pakistan has started the LLM (Master of Laws) in Intellectual Property offered by the Turin University and WIPO. The program runs from June 2013 to February 2014 and is structured in three parts: distance learning, residential period at Turin, Italy and completion of research papers.

The second of the three planned technology trainings for IPO Pakistan IT team was conducted from 20 to 24 May 2013. The training focused on Java and GlassFish Application Server technologies that are used by the automation systems of IPO Pakistan. The list participants trained are given at Annex XVII.

IPO Pakistan IT team was trained in WIPO on the upgraded automation system (IPAS Java) from 27 May to 7 June 2013. The training covered: installation and upgrade of existing system to IPAS Java; use of Designer tool to configure IP administration workflow; WIPO Scan and Electronic Document Management System (EDMS); migration of existing IP databases to IPAS Java; IP Journals publication in IPAS Java; Process group management; and IPAS Java maintenance. The list is given at Annex XVIII.

The procurement of IT equipment for the digitization of IP records was completed in February 2013. The equipment consisted of 2 heavy-duty scanners, 1 high-end server and a Storage Area Network (SAN) with a large capacity (3 Terra Bytes) for storage of electronic IP records belonging to the Patents Office, the Trade Marks Registry (TMR) and the Copyright Office.

The tendering process for the digitization services was completed and the contract awarded to the selected vendor in June 2013. The digitization work has started and is currently in progress. It consists of: 1) scanning of about 6 million pages of IP records; 2) data entry of about 25,000 patent and trademark records that are missing in the IP databases; and 3) verification of all IP databases records.

The tendering process for development of IPO Pakistan web portal was completed and the tender published in October 2013. The existing IPO Pakistan web site, which has limited functionality and no online services, will be upgraded to a comprehensive web portal which would serve as a single point of access to the IP systems, online services, databases and information of IPO as well as a gateway to other relevant IP resources in Pakistan and elsewhere in the world.

Final consultations were held in Islamabad from 12 to 13 September 2013 on the study prepared by an international expert on establishment of a Collective Management Organization (CMO) in Pakistan. National stakeholders discussed the practical operational aspects of establishing a single national CMO for public performance and reproduction rights in musical works as well the public performance rights in sound recordings and performances. The practical aspects included the constitutional provisions, organizational structure, membership and distribution of royalties to rights holders. As next steps, an agreement was reached amongst the participating stakeholders to implement the key recommendations of the study. The participants of the CMO consultations are given at Annex XIX.

Strengthened IP Legislation and Policy Framework

Final consultations with national stakeholders were held in Islamabad from 25 to 26 February 2013 on the paper on Utility Model protection in Pakistan. The analytical paper entitled “Utility Model Protection in Pakistan - An Option for Incentivizing Incremental Innovation” was presented, highlighting the pros and cons of introducing Utility Model protection in Pakistan. The list of officials participated in the consultations are given at Annex XX.

The WIPO methodology and a set of tools for the development of National IP Strategies were shared with IPO Pakistan in April 2013. This set of standard tools was developed by WIPO to assist countries in formulating IP strategies that are aligned with national development goals. The methodology covers all steps required for formulating a national IP strategy - from initial research, IP audit, and national consultations to drafting of the strategy.

Improved Enforcement of IPRs

Activities planned for this Result Area have already been completed.

Coordination is in progress with IPO Pakistan, FIA, Police, Customs and the Federal Judicial Academy on establishing regular ongoing courses for enforcement officials.

Increased Use of IP by Business / Research Institutions

An expert mission was undertaken to Islamabad from 25 February to 1 March 2013 for consultations with national stakeholders on development of an IP Curriculum for law, business and engineering universities in Pakistan. The international expert held a series of meetings with relevant organizations. The experts' names and the list of officials met are provided in Annex XXI.

Final consultations were held in Islamabad from 8 to 11 April 2013 on branding options for Kinnows through the use of marks and Geographical Indications (GIs). The draft paper by the international expert Mr. Peter Damary (GI Expert, REDD Ltd.) was reviewed and discussed by relevant stakeholders. The expert also visited Sargodha where most of the kinnows are cultivated. During his mission, the expert met key officials from several organizations, including: IPO Pakistan; UNIDO Project Management Office (PMO); GIs Project, Industries Commerce and Investment Department; Small and Medium Enterprises Development Authority (SMEDA), Lahore Chamber of Commerce and Industry (LCCI); Multan Chamber of Commerce and Industry; Kinnow Growers Association; Citrus Research Institute, Sargodha; Multan Mango Growers Association; Basmati Growers Association; Guava Growers Association; and University College of Agriculture, Sargodha.

Procurement of a comprehensive set of IP reference publications for PITAD and IPO Pakistan libraries was completed in July 2013. The two sets of publications were shipped in September-October 2013 time period to UNIDO / PMO for subsequent distribution to PITAD and IPO Pakistan.

Other activities carried out include consultations with IPO Pakistan on ongoing and upcoming TRTA II activities as well as preparation of monthly activity reports, articles for the TRTA II Newsletters and progress report for the Program Steering Committee (PSC).

3. Key Achievements

3.1 Component 1: Trade Policy Capacity Building

3.1.1 Equipment for PITAD

The third annual assessment of PITAD was carried out for providing equipment to PITAD to enable it to conduct training and research according to international standards. The agreed equipment was procured through UNDP Pakistan and provided to PITAD for use in its training and research activities.

3.1.2 Third assessment and provision of books for PITAD library completed

The third annual assessment of books for 2013 for providing to PITAD library was completed in collaboration with WTI, PITAD and ITC. The agreed books and resources were procured and are being provided to PITAD.

3.1.3 WTI awards accreditation to graduate-level training modules developed by PITAD

The WTI on 3 September 2013 awarded accreditation to graduate-level training modules developed by PITAD in a ceremony held at WTI which was attended by officials from ITC, WTI and PITAD. A similar ceremony was held in Pakistan on 09 October. Two modules were finalized and accredited in the reporting period- that being, Trade, environment and climate change as well as Dispute settlement at the WTO.

3.1.4 Joint WTI-PITAD Certificate on International Trade Law and Commercial Diplomacy awarded

For the third year the WTI-PITAD jointly developed and WTI accredited modules are being delivered to trainee officers of Commerce and Trade group at PITAD. As for 2012, a joint WTI-PITAD Certificate on International Trade Law and Commercial Diplomacy was awarded to the successful trainees in March 2013.

3.1.5 Trainings on multiple trade policy issues held utilizing PITAD's strengthened capacity

During the reporting period, short trainings were held across Pakistan utilizing PITAD's strengthened capacity. Moreover all of the trainings used the upgraded curriculum and/or master trainers developed between 2011-12 with the support of the WTI/ITC. The trainings were a chance to capitalize on the capacity build and deliver with confidence to stakeholders across Pakistan. The trainings were:

- Contribution to training of commercial diplomats designate (Islamabad); 22-23 February
- Trade Related Aspects of Intellectual Property Rights (Lahore); 11-12 March 2013
- Trade in Agriculture (Lahore); 10-11 June 2013
- Trade Remedies (Lahore Chamber, Lahore); 02-03 July 2013
- One week training of STP trainees on Economics and Policy of PTAs at WTI (August 2013)
- Economics and Policy of NTMs (Lahore); 29-30 August 2013
- Trade and Investment (Karachi); 09 September 2013

- Trade and Investment (Lahore); 10-11 Sep 2013
- Trade and Investment (Islamabad); 12 Sept 2013
- Trade in Services (Karachi); 07 October 2013
- Training on Trade in Services (Lahore); 08 October 2013
- Training on Trade in Services (Islamabad) 10 October 2013

A total of 824 public and private sector participants were trained. The participant evaluations for the training showed very high levels of satisfaction as well as knowledge enhancement. Another milestone was the training of more than 1000 stakeholders under the Component 1 during the programme period.

3.1.6 PITAD perceived as a Centre of Excellence

PITAD has demonstrated competency in delivering trainings (as assessed by participant evaluation in 2012/13 trainings), and real demand for its upgraded training services is being shown both domestically and abroad. FPCCI has submitted a written request to hold trainings in other cities of Pakistan including Sialkot and Faisalabad.

3.1.7 Publication and distribution of policy papers and research studies

Five major research studies on diverse trade policy issues were completed. Each of the studies uniquely captured findings of extensive stakeholder consultations and evidenced based research. All of the studies were carried out by local experts under the tutelage of international experts. Each study passed international peer review to be of a highest standard. They have been distributed extensively across Pakistan to key stakeholders.

Similarly, 5 policy papers, based on the recommendations of the research studies, PPD consultations and the recommendations and issues highlighted by the stakeholders in writing, were completed. After approval of the completed policy papers by the PPDS, the same were submitted to Ministry of Commerce for potential implementation. As such local research expertise has been built and stakeholder's knowledge improved.

3.1.8 Eight policy research papers initiated

After approval of the PPDS, a competitive selection process for hiring of research consultants and identification of peer reviewers was completed to conduct eight policy research studies during 2013/14.

3.1.9 Government of Pakistan recognizes contribution of PPDs

In a letter address to the ITC Executive Director, the Ministry of Commerce formally recognized TRTA II programme efforts to institutionalize a comprehensive, regular and well-informed public-private consultative process among stakeholders on trade policy formulation, implementation and monitoring has been well received and has provided tangible results. The letter acknowledged that since 2011 the TRTA II programme has supported the undertaking of the following five major public private consultative processes: Services Sector Export Development Strategy for Pakistan, Enhancing Pakistan's Export Potential for Trade with ECO

Countries; Enhancing Competitiveness and Export Potential in Livestock and Dairy Sectors; Enhancing Export Potential for Trade with Europe: Enhancing Competitiveness and Export Potential for Trade with India in Light of Improved Trade Relations and Full Implementation of SAFTA

The letter stated that the findings of the consultative processes and accompanying evidenced-based research have informed the trade policy formulation and thinking within the Government of Pakistan. Most significantly, Pakistan's Strategic Trade Policy Framework (STPF) for 2012 to 2015 contains a number of recommendations generated from the consultative processes and accompanying evidenced-based research.

Furthermore, the letter stated, that beyond these specific recommendations, the consultative processes and mechanism have contributed the following further benefits, including, amongst others, increasing the level of stakeholder knowledge and awareness on key issues; providing an additional and complementary forum for the Government of Pakistan to tap into the views of stakeholders and gain important insights; greater stakeholder participation, and; quality evidenced based research.

3.2 Component 2: Export Development through Improvement of Quality Infrastructure

3.2.1 Component 2.1: Strengthening SPS Management System

National Food Safety Animal and Plant Health Regulatory Authority (NFSAPHRA) Bill submitted to Ministry of National Food Security and Research (MNFS&R) for approval.

The Bill in its final form along with the supporting documents is now with the Cabinet awaiting approval.

Post Graduate Diploma course in food safety & controls is now accredited by Royal Environmental Health Institute of Scotland (REHIS) and first batch of students graduated.

REHIS has accredited this course at two universities (UVAS – June 2013 & UAF – October 2013) while the documents for accreditation have been submitted by UoK.

First batch of students have graduated from UVAS and UAF (32+28); some of them have already been employed by private sector (Nestle and Engro food) with PFA indicating their interest in at least 2 additional graduates

UVAS and UAF have converted this PGDC into a full-fledged research-based degree programme leading to MPhil and MSc. respectively. This initiative underlines the value of this course and ensures sustainability.

Six food inspection kits (2/university) have been delivered to the three universities.

Strengthening of SPS inspection system in the Provinces

Training of 30 Food Safety Officers, Assistant Food Safety Officer, Public Analysts and senior officials of the Punjab Food Authority was conducted. A manual/guide document on Establishing Food Safety/SPS Authorities has been prepared.

Nine food inspectors kits distributed to PFA and staff trained on the use of the kits and inspection procedures

Punjab Food 'Official Control' document (Pure Food Rules) drafted and submitted to PFA

Eight technical regulations related to food have been drafted and submitted to PFA.

3.2.2 Component 2.2: Improved Quality, Value Addition and Compliance in Fishery, Horticulture & Industrial Sectors

NPO capacities build to carry out Benchmarking

NPO is conducting a *sector level benchmarking* survey in the surgical instrument sector and a firm level Overall Effective Efficiency (OEE) based on the approach adapted and implemented by TRTA II programme in Cutlery and fan sectors. This is the direct impact of the TRTA II interventions concerning the capacity building.

Interventions in Industrial Sector on Process Control and CSR initiated

TRTA II programme initiated the interventions to streamline the processes in the industrial sector through shop floor management and implementation of CSR. Process control while enabling the companies to earn higher profit automatically results in better care for labour.

TRTA II initiated the process for the provision of polishing machines to four pilot companies in the industrial Sector

TRTA II programme selected four pilot companies to provide with polishing machines. International tender for the supply, install and commissioning of the said machines has been launched for expression of interest. This intervention will improve productivity, quality and environmental condition at workplace and reduce the health hazard for labour working on the polishing of utensils.

Training of Master trainers from Baluchistan for training fishermen of Baluchistan

For enabling master trainers build local codes of practice for handling fish on small boats, relevant for Balochistan and to develop fishermen's skill to improve the catch quality and their livelihood, the design and all the relevant preparation has been completed. The conduct of training of master Training programme will start in Karachi from 18-29 November 2013 .

Fisheries Value Addition

The report available on identified potential technologies (fish oil production , mobile block freezing, fish smoking and sardine ready to use products etc) that can be sustainably introduced for value addition in fish processing sector of Pakistan. The study report is based on field study and current fish processing profile.

Prefeasibility Study for operationalization of Korangi Fish Harbour

The second draft of the prefeasibility study has been prepared by NESPAK based on analysis of report in the light of TORs and comments and the comments of international expert after reviewing the document

First draft of the COP manual completed. The research institutions compiled the first drafts of the COP manual. The first drafts were discussed in details at the workshop organized to finalize the manuals. The research institutions are now working to enrich the first draft according to the advice of International Expert.

Horticulture equipment kit provided to kinnow and mango farmers, CRI and MRS. 22 equipment kits (10 to Mango farmers and 10 to kinnow farmers) provided to support the farmers to produce quality fruit. The kit contains the basic equipment to help the farmers to effectively prune the trees, assess the water and fertilizer requirements, etc.

FFSs have emerged as a resource development pool. MRS conducted 72 FFSs and CRI conducted 41 FFs in the selected farm clusters. CRI also conducted 35 visits to the selected farm clusters. The FFS is attended by the participating Cluster Group farmers. Other farmers not registered in the COP Programme also participate in the session as Observers. The FFS is open to everybody who wants to share and learn from each other. The experts from the Research Institutions (MRS, CRI and UAF) manage an intensive instruction programme of production work with pilot trials of 10 participatory Mango farms and 10 Kinnow farms and associated processors.

Mango Fruit Fly Controlled effectively. Fruit fly a major hurdle in export of mangoes was successfully controlled without using any chemical or pesticide spray. Farmers witnessed and learned the effectiveness of fruit fly control without chemicals.

As a result of this intensive control programme, the fruit exported to ASDA/Wall Mart in United Kingdom and Econosave, Malaysia remained protected from the damages of fruit fly and there was no rejection. In fact the fruit quality was appreciated by the buyers in the international market. No MRL issue was reported in the mango consignments exported to super markets. In the coming season, farmers can now apply the effective control themselves.

Protective Gloves Achieved CE marking

CE marking has been achieved for the protective gloves. For one model, the level of performance was below than required for second model so the manufacturer has changed the production process and is having the second model retested.

Electric Fans submitted for CE marking Passed LVD and EMC testing

Electric fans of the selected Pakistani companies have been with the selected Notified Body (ITC Czech Republic) for some time. Almost all the 15 models of the electric fans from three different companies have passed the LVD and EMC testing. Many components of the fans now require testing for hazardous substances (ROHS) and additional funds for this testing has been provided to the EU Notified Body.

Samples of Motor Bike Gloves Submitted to EU Notified Body

A Notified Body (Ricotest Italy) has been selected for the testing of motorcycle gloves. A contract has been concluded with Ricotest and results should be available towards the middle of December.

Awareness on Market Requirements of the Mango and Kinnow growers and exporters enhanced

The awareness of the Mango and Kinnow growers/exporters and processors on the foreign market dynamics increased and understood buyers' [market] requirements. This was the outcome of the study tour of the exporters/processors and growers to Europe.

Business Contacts established

All Visited companies/buyers in the Netherlands expressed an interest to investigate possible business opportunities. At Hanos (Super market) the purchase manager for fruits agreed to develop a project to promote mango and Kinnow in their stores all over the Netherlands. Similarly, the buyers in France and UK (Dole, MMW & ASDA) also showed a serious interest in mangoes and in exploring opportunities to work together.

Export Consortia of four progressive farmers established.

TRTA facilitated the establishment of a consortium of four progressive growers of Mangoes from Multan. The members of the Mango Growers Consortium pooled the resources to export mangoes directly to ASDA/Wall Mart, UK.

Retailer Partnership for Mangoes from Pakistan

Twelve (12) shipments of Mangoes (Sindhry, Chaunsa) were prepared under the supervision of TRTA II experts and sent directly to ASDA by the commercial exporter from Karachi and TRTA II facilitated Consortium of Growers from Southern Punjab.

Two Shipments of mangoes (white Chaunsa) were prepared by the Mango Growers Consortium and sent to Econsave supermarket in Malaysia. This is the direct result of the visit of the Malaysian buyers facilitated by the TRTA II programme

In mango season of three months in 2013, ASDA, Walmart subsidiary, ordered first shipments for its UK stores. During twelve weeks period, about 43,000 boxes of mangoes were successfully sold.

3.2.3 Component 2.3: Improving Conformity Assessment Infrastructure and Services

First Draft of the NQP has been developed

The Ministry of Science and Technology actively participated in the consultative process with private sector and provincial regulators on NQP and Technical Regulation Framework. The MOST constituted the working group representatives from the key institutions to work on the draft NQP. TRTA II developed First Draft of the NQP for discussion with public and private sector stakeholders.

Traceable National Metrology Services

The mass metrology laboratory can now provide credible, internationally recognized and traceable on-site calibration services of a range of balances (analytical & commercial) that are used in the testing laboratories as well in the industry throughout Pakistan.

PNAC Signed Multi-Lateral Agreement with PAC/IAF

The PNAC has achieved MLA signatory status. This MLA was signed during the PAC Plenary Meeting held in May 2013 in Honolulu, Hawaii. Now the certification bodies accredited by PNAC will be allowed to operate and accepted all round the world.

Laboratory Accreditation

To date fifteen labs (6 metrology + 9 testing) receiving TRTA II support has been accredited by PNAC. The testing laboratories accredited include 5 at PCISR Lahore, 1 (Dioxin lab) at PCSIR Karachi, and 3 at NRLPD, Islamabad. The metrology labs at NPSL are now accredited for on-site calibration services.

3.3 Component 3: Strengthening of the Intellectual Property Rights System

3.3.1 Strengthened IP Institutions

One IPO official studying LLM in Intellectual Property at the Turin University

After completion of the LLM course in February 2013, the official would acquire a deeper understanding of IP law. This would strengthen IPO's capacity to analyze legal IP issues, and facilitate improved inputs (papers, policy briefs, comments) on specific IP law questions.

Final consultations completed on establishment of a Collective Management Organization (CMO) in Pakistan

Following consultations, an agreement was reached by national stakeholders to implement the key recommendations of the CMO study to operationalize a single national CMO for distribution of royalties to rights owners of musical works and sound recordings.

IPO Pakistan IT team trained on IPAS Java and related technologies

The two trainings helped IPO Pakistan to test and customize the upgraded automation system (WIPO IPAS Java) for the Patent Office and the Trade Marks Registry as well as to support the ongoing digitization of IP records. Further training is planned to implement and put into operation the upgraded automation system at these two IP registries.

Digitization of IP records started and support equipment delivered

The scanning of IP paper records of the Patent Office, Trade Marks Registry and the Copyright Office is currently in progress. This will be followed by data capture of some missing entries and final verification of IP databases. At end of the digitization activities, it is expected that IPO Pakistan would have a full set of electronic IP records and an up-to-date and validated database for patents, trademarks and copyrights.

IPO Pakistan web portal tender published

Following the tendering process, an upgraded web portal will be developed that would offer online services to IP users as well as access to a wide range of IP information.

3.3.2 Strengthened IP Legislation & Policy Framework

Final consultations completed on possibility of introducing Utility Model protection in Pakistan

The national stakeholders now have a better understanding of the legal and economic issues involved in utility model protection, and the reasons for and against introducing it in Pakistan. It is expected that a position paper will be prepared by IPO Pakistan and presented to the concerned authorities for further action.

WIPO tools for development of national IP strategy provided

This set of standard tools would assist IPO Pakistan to gather relevant information once a decision is taken to formulate a national IP strategy.

Experts identified for consultations on Plant Breeders Rights (PBR)

International experts were identified for consultations with national stakeholders on provisions of Pakistan's draft Plant Breeders Rights (PBR) law and practical measures required to administer it.

3.3.3 Improved Enforcement of IPRs

All planned activities for this Result Area completed in 2012.

3.3.4 Increased Use of IP by Business and Research Institutions

IP Curriculum consultations completed and a draft paper prepared

The draft paper focuses on: 1) on appropriate learning objectives for law, business and engineering and IT students; 2) identifying the main content to be covered for all courses; and 3) developing a structure for the individual IP courses. Some further inputs are awaited from certain educational institutes, especially business schools, following which the draft paper shall be finalized. The final paper will serve as an IP curriculum guideline for Pakistani universities.

Final consultations completed on branding options for Kinnow prepared

The paper on branding options is currently being finalized. It is expected that the paper would help the government and stakeholders to consider a more systematic marketing strategy for kinnows, which makes an appropriate use of IP instruments, i.e. various marks and/or GIs. The paper could also provide insights on IP issues involved in the marketing of other agricultural products.

IP reference publications delivered for PITAD and IPO Pakistan libraries

This set of publications will serve as IP resource material for PITAD and IPO Pakistan. It will provide the staff and users of the two organizations with access to a broad range of in-depth information covering key aspects of IP.

4. Difficulties Encountered & Measures Taken to Overcome Problems

4.1 Component 1: Trade Policy Capacity Building

No difficulties experienced.

4.2 Component 2: Export Development through Improvement of Quality Infrastructure

- Concerns were raised in letters submitted by the Punjab Food Authority to PITAD regarding the utility of TRTAII support to the PFA. On the other hand, many critical recommendations made by the project for inspection systems, legislation, laboratory testing, IT and new legislation have not been adopted. Since TRTA has now delivered outputs addressing all items in the MoU signed with the Secretary Food in 2011, it is recommended that no further assistance is delivered until the PFA demonstrates the political will and capacity for implementation. A formal letter to this effect was drafted for submission to the PFA by the CTA TRTA II. A dossier of outputs will be prepared and formally presented to the Government of Punjab.
- Following the submission of this dossier, the TRTA II programme received an inflammatory letter from the PFA accusing the programme of not delivering workable solutions. The language used in the letter was not only rude but is also factual incorrect. A rebuttal to all the comments has been prepared, but the programme feels that with this kind of unprofessional behavior it may be very difficult to work with the PFA under the current administration. Therefore, it is requested that the Federal Government, through the relevant Ministry, kindly take up this matter with its Provincial counterpart to resolve this matter.
- The project has experienced a number of problems and delays compared to what was expected at its beginning in July 2012. Some of these delays have been caused by changes to the EU regulatory provisions and second has been because, when samples were Pre-screen/tested in Pakistan where some fans and motorcycle gloves did not meet the requirement.
- The procurement and provision of polishing machines to the selected companies is delayed because of limited suppliers' available and protracted procurement procedures.
- Difficulty in identification and recruitment of International Expert in Process control for Industrial Sectors.
- Belated response from the research institutes (CRI and MRS) causes delay.
- Difficult to find Graphic Designer to design the CCPs.

4.3 Component 3: Strengthening of the Intellectual Property Rights System

- Required follow-up activities by the participants of various study visits and workshops are largely taking place. However, this needs to be constantly monitored so as to ensure that specific activities actually lead to the desired outcomes. Close liaison is being maintained with the senior management of IPO Pakistan to ensure that necessary follow-up activities do take place.
- In order to facilitate effective follow up of certain activities, WIPO has financed, out of its own regular budget, the participation of IPO-Pakistan officials in related events – for instance, funding was provided for: patent examination training in February 2013; workshop on building respect for IP in February 2013; training on IP management and results based management in February 2013; symposium on GIs in March 2013; workshop on effective administration of CMOs in April 2013; and a workshop on Industrial Designs in June 2013. All this is in addition to the ongoing programs for training of officials in areas such as IP examination and use of IT to enhance delivery of IP services.
- The security situation in Pakistan continues to pose problems for sending international experts, and alternate solutions (i.e. undertaking the activities outside Pakistan or through videoconferencing sessions) are used but may not necessarily be as effective. This remains unavoidable till the security situation improves in the country.

5. Changes in Implementation

There have been no changes in implementation under component 1 during the reported period.

There have been no changes in implementation under Component 1 and 2 during the reported period except that in Component 2 regarding development of landing sites at Baba Bhit could not be pursued further due to lack of interest/availability of funds with the local community organization. This was endorsed through visiting the site by a team of PITAD and TRTA II officials.

The Component 3 work plan is reviewed and adjusted depending on the readiness of stakeholders for implementation of the activities. Wherever feasible, some activities would either be combined, or undertaken in parallel, to ensure completion of Component 3 within the timeframe of the TRTA II Programme.

6. Important Next Steps

6.1 Component 1: Trade Policy Capacity Building

- A final assessment of PITAD equipment needs will be conducted given its enhanced collaboration with international institutes (CBI) for trade related capacity building as a TRTA programme result and the provision of software/tools to PITAD for 2014
- After selection and posting abroad of some of the master trainers as Commercial Counsellors, four substitute master trainers will be trained under the guidance of WTI professors. These master trainers will also update the existing four training modules

- As requested by some key stakeholders like FPCCI and TDAP, trainings will be held in industrial hubs
- The research studies which are currently under preparation will be completed, edited, printed and widely distributed to the stakeholders after passing international peer review
- PPDs will be held in different cities of the country on the topics identified by the PPDS to ascertain the views of different stakeholders and to ensure their participation in policy debate.

6.3 Component 2: Export Development through Improvement of Quality Infrastructure

- Provide technical assistance to the Animal Husbandry Commissioner for preparation of the OIE PVS mission to Pakistan (Q1).
- Work with the MNFS&R and FAO to identify and field an International Expert in Plant Health to prepare the necessary documents to be submitted to the IPPC to carry out PCE in Pakistan leading to the reformation of the Plant Health regime in Pakistan in line with international requirements (Q1).
- Provide the requisite technical assistance to the MFD to ensure the provision of 'safe ice' to the fisheries industry. (Q2).
- Technical Assistance will be provided to the selected companies of the industrial sectors (Electric Fans, Cutlery and Protective Gears) on the implementation of process control measure, shop floor management and CSR on the key indicators such as productivity, reject rates etc(Q1, Q2).
- Supply, Install and commissioning of polishing machines to the four selected companies of the cutlery sector involved in manufacturing of table wares and knives on cost sharing basis (Q1).
- Technical Advice will be provided to NPO in the conduct of benchmarking studies for surgical sector to ensure the sustainability of the TRTA II approach (Q1).
- Submission of samples and technical files of selected 3 companies of motor bike gloves for the CE mark certification to the EU designated Notified body (Q1).
- Conduct of 3rd and final session of Training of master trainers for the CE mark certification in order to develop local expertise for the support of industry (Q1).
- A study cum business tour will be organized for selected companies from Pakistan's Kinnow and Mango sector in collaboration with Trade Development Authority of Pakistan (TDAP) for joint participation in trade fair (fruit logistica 2014) to be held in Berlin together with representatives of various governmental organizations to provide selected processors and exporters with an opportunity for B2B meetings to upscale their business and to have a real life experience of the European market (Q1).
- Implementation of roadmaps developed to establish trade linkages in the selected sectors to enhance sustainable exports (Q2, Q3, Q4).
- Training of Fishermen of Baluchistan through trained Master Trainers in good handling practices for improved catch quality and for their better livelihood (Q1).
- Provision of technical support for the development of added value business set up including; Sardine cannery, Retail manufacturing and packing operation, fish oil for human consumption, Tuna long line fishery development as a next step Furthering the effort allocated to Development of Added Value options identified after analyzing the current level of fish processing in Pakistan (Q2).
- To operationalize the Korangi Fish harbour through upgrading the existing and new landing jetties/sites and allied facilities and development of a Business Park, the draft

Feasibility report will be finalized after validation workshop for submission to the Government of Pakistan (Q3).

- Provide technical assistance to Pakistan National Accreditation Council (PNAC) to develop pool of assessors for the accreditation of laboratories, certification and inspection bodies (Q1).
- Training of PSQCA staff responsible for the operations of National Enquiry Point and explore the possibility for the twinning of NEP with similar enquiry points in other countries (Q1).
- Follow-up with CRI, MRS and UAF for the development of COPs manual and the conduct of FFSs.
- Follow-up with international expert for the review of CoPs manual.
- Conduct trainings of Master trainers.
- Training of PSQCA staff responsible for the operations of National Enquiry Point and Consumer Liaison Office (Q2).
- Provide technical assistance to establish National PT scheme at NPSL (Q1, Q2, Q3).
- Continued support to selected laboratories to enable them to achieve accreditation through training of staff, provision of CRMs and participation in PT scheme (Q1, Q2, Q3, Q4).

6.2 Component 3: Strengthening of the Intellectual Property Rights System

- Advanced training on IPAS Java functionality, operation, maintenance and support for IPO Pakistan IT team planned in November 2013.
- Web portal development is expected to start in January 2014.
- The 3rd Session of Technology Training for IPO Pakistan IT team is planned to be held in Q4 2013 or Q1 2014.
- The Terms of Reference (TOR) for the basic set of Admin Modules for HR and Financial systems is expected to be completed in Q4 2013.
- An advisory mission and consultations on Plant Breeders Rights (PBRs) are planned for February 2014.
- Roundtable to establish and strengthen Technology Management Offices (TMOs) planned in December 2013.
- Roundtable on development of a national IP Policy and Strategy planned for Q1 2014.
- Development of an e-Forum for linkages between research institutions and industry planned for Q1 2014.

7 Visibility

7.1 Overall Visibility

TRTA II Website:

TRTA II programme website is updated regularly on a regular basis to cover:

- Latest News
- Component Activities
- Newsletters
- Specific material relevant to Component 1
- Workshop / Trainings / Conferences reports
- Advertisements
- Pictures and Video
- Monthly average of website visitors is approximately 700
- Visitors of website from more than 50 countries

Month	Website Visitors
January 2012	492
February 2012	482
March 2012	428
April 2012	513
May 2012	557
June 2012	578
July 2012	590
August 2012	534
September 2012	450
October 2012	572
November 2012	755
December 2012	570
January 2013	705
February 2013	581
March 2013	799
April 2013	1109

Month	Website Visitors
May 2013	1154
June 2013	883
July 2013	1022
August 2013	716
September 2013	2,799
October 2013	992



- **Trade Time – quarterly newsletter:** Of a total 11 issues since the beginning of the programme, 3 were published during the reported period (2000 copies). These issues were duly circulated to the stakeholders in the mailing list which is based on the updated database of the stakeholders (920 in Pakistan) and including 106 Foreign Embassies and their consulates in Pakistan, 92 Pakistani Embassies in foreign countries and their 63 commercial offices (27 Embassies in all EU countries)
- **TRTA II Programme Brochure** distributed to the stakeholders according to mailing list mentioned with Trade Time circulation
- **Press Coverage:** About 100 articles covering activities of TRTA II featured in print media (Urdu and English) The articles provided strong publicity of TRTA II interventions and acknowledged the positive contributions and efforts of the programme, the EU and implementing partners. Some of the recent headlines include (Web-links provided in Annex XXII).

- **Diaries and Desk Calendars** for the year 2014 are produced and 2000 copies of each will be duly distributed to the stakeholders in the mailing list which is based on the updated database of the stakeholders including 106 Foreign Embassies and their consulates in Pakistan, 92 Pakistani Embassies in foreign countries and their 63 commercial offices (27 Embassies in all EU countries) before end 2013.
- **Certificates** produced and distributed after the trainings organized by the TRTA II, with logos of all parties, including the EU.
- **Backdrops** produced and placed in all the trainings, workshops, conferences, forums, PPDs, etc. organized by the TRTA II programme with logos of all parties including the EU.

7.2 Visibility specifically under Component 1

During the reported period five policy research studies and a similar number of policy recommendation papers were finalized highlighting issues faced by the targeted sectors and recommendations to address those issues for export success. Those research studies and policy papers were placed on TRTA website and communicated to stakeholders through emails, twitter etc which contributed to programme visibility and capacity building of relevant stakeholders in the sectors covered by the studies.

After printing of the studies and policy recommendation papers, copies were sent to universities, Government Departments, Ministries, Chambers of Commerce, independent research firms, government research institutes and trade association.

The trainings organized during the reported period were covered extensively in the local press and on the websites of PITAD, TRTA, WTI, and ITC etc.

Press releases - 10 event-based press releases were issued during reported period, resultantly 76 news articles appeared in newspapers:

- **Training on Trade and services:** Country must increasingly focus on trade in services (08, 09 and 11 October 2013)
- **Training on Trade and investment:** 'Better policies key to promoting investment' (07, 08 and 10 September 2013)
- **Training on Trade Remedies:** Importance of awareness about trade defense laws highlighted (4 July 2013)
- **Training on NTMs:** Training course on economic & policy of non-tariff measures begins (30 August 2013)
- **Training on Trade and Agriculture:** Capacity building: A two-day training course on "Trade in Agriculture" started (11 June 2013)
- **PPDSC meeting:** EU supports the Ministry of Commerce through conduct of trade policy research (8 March 2013) Issued by MOC, covered by 3 Newspapers
- **Training on TRIPS:** Understanding intellectual property rights to boost business in Pakistan, (12 March 2013)

Electronic Media Coverage:

- 4 News channels gave coverage to the training course on Trade and Investment
- Interview with ITC Trade and Investment expert, Julien Chaisse, for 30 minutes on PTV News in September telecast three times. The interview particularly emphasized the contribution of EU to the economic development of Pakistan and the support provided under TRTA II programme
- Short interviews with ITC Trade and Services expert, Pierre Sauvé occurred on Channel 5, and Aaj Tv, in October. The channels also covered the training on Trade in Services

- Interview of Professor Pierre Sauve for 30 minutes on PTV News telecasted twice in October. The interview highlighted the EU assistance to Pakistan under the TRTA II programme and how Pakistan can benefit from regional trade and development of Trade in Services.

Web coverage:

World Trade Institute Website:

- International Accreditation for PITAD Trade Policy Curriculum, 09 Sep 2013, <http://www.wti.org/news-archive/international-accreditation-for-pitad-trade-policy-curriculum/>

ITC website:

- Pakistan studies recommend reforms to enhance export competitiveness (July 05, 2013)
- <http://www.intracen.org/news/Pakistan-studies-focus-on-recommending-reforms-to-enhance-export-competitiveness/#sthash.B4nXNHzf.dpuf>
- Trade policy curriculum developed by Pakistan's PITAD wins international accreditation, September 06, 2013, <http://www.intracen.org/news/Trade-policy-curriculum-developed-by-Pakistan%E2%80%99s-PITAD-wins-international-accreditation/#sthash.oVQnodXq.dpuf>
- Policy reform essential for Pakistan to improve trade with India, February 01, 2013,
- <http://www.intracen.org/news/Policy-reform-essential-for-Pakistan-to-improve-trade-with-India/#sthash.SQPgvNeR.dpuf>
- <http://www.intracen.org/news/Understanding-intellectual-property-rights-to-boost-business-in-Pakistan/#sthash.tiVlMDHJ.dpuf>

PITAD website:

- Understanding and application of trade defense laws important to protect domestic industry, <http://www.pitad.org.pk/indexP.php?type=press-release#11>

Others:

- ITC News: Pakistan studies recommend reforms to enhance export competitiveness (22 July 2013) <http://efp.org.pk/web/index.php/news-events/press-release/item/218-itc-news-pakistan-studies-recommend-reforms-to-enhance-export-competitiveness>
- WTI Awards Accreditation for Curriculum Developed by PITAD, 22 Apr 2013, <http://www.nccr-trade.org/news-archive/wti-awards-accreditation-for-curriculum-developed-by-pitad/>

7.3 Visibility specifically under Component 2

- **SPS e-Newsletter:** SPS is a major intervention area under TRTA II and of significant importance for the Government of Pakistan. Its concepts and operations require to be well explained and understood by all. In order to keep a wide variety of stakeholders and interest group abreast with the programme activities and international news on the SPS, TRTA/PMO is producing and issuing a quarterly SPS e-newsletter. Of a total 8 issues, 1 was produced and duly circulated through email database of 720 stakeholders. All issues are uploaded on TRTA website.
- **Video Documentary on “Kinnow Supply Chain”-** (various durations i.e. 2.5 minutes, 6 minutes, 12 minutes) completed
- **A Roll-up poster on Food Inspection Kits** prepared, printed and presented
- **Press releases - 12 event-based press releases were issued:**
 1. EU supports Pakistan for internationally traceable measurement services for industry 16 May 2013
 2. EU-TRTA II programme strengthen PCRWR water testing labs throughout Pakistan 18 Sep. 2013
 3. EU supports training of Ice Business Operators of Karachi Fish Harbor in “Sanitary Control for Ice” 19 Sep. 2013
 4. PNAC attains MLA signatory status with PAC/IAF through the support of European Union (20 August 2013)
 5. NPSL awarded internationally recognized accreditation for on-site calibration services (20 May 2013)
 6. TRTA II programme supports the establishment of a National PT Scheme in Pakistan (22 May 2013)
 7. Diploma Course in Food Safety and Control internationally recognized by REHIS, UK (23 July 2013)
 8. European Union supports mango farmers to improve fruit quality by providing Horticulture Kits (29 July 2013)
 9. The National Quality Policy Development Process Excels Further (26 Feb 2013)
 10. Pakistan National Quality Policy Development Process Excels Fast Track (28 June 2013)
 11. First batch of PGDC in Food Safety and Control at UVAS received Diploma Certificates (28 Oct 2013)
 12. South Asia’s first Dioxin testing lab inaugurated (29 Aug 2013)

Web coverage:

EU Delegation to Pakistan website:

1. **EU supports Pakistan National Accreditation Council (PNAC) in achieving Multi-lateral Agreement (MLA) for Accreditation of Certification bodies (21/08/2013)**
http://eeas.europa.eu/delegations/pakistan/press_corner/all_news/news/2013/event_en.htm

2. EU Supports International Accreditation of Diploma Course in Food Safety and Control (05/08/2013)
http://eeas.europa.eu/delegations/pakistan/press_corner/all_news/news/2013/20130805_01_en.htm
3. EU-funded National Physical and Standards Laboratory (NPSL) in Pakistan Receives Accreditation and Recognition on World Metrology Day (27/05/2013)
http://eeas.europa.eu/delegations/pakistan/press_corner/all_news/news/2013/20130527_01_en.htm
4. Geographical indication and branding opportunities – The EU supporting Pakistan's business potential (03/05/2013)
http://eeas.europa.eu/delegations/pakistan/press_corner/all_news/news/2013/20130503_01_en.htm
5. Kinnow: Pakistan Introduces New Fruit to EU Market
http://eeas.europa.eu/delegations/pakistan/press_corner/all_news/news/2013/20130405_01_en.htm
6. The European Union resumes imports of Pakistani seafood to its market (27/02/2013)
http://eeas.europa.eu/delegations/pakistan/press_corner/all_news/news/2013/20130227_02_en.htm

7.4 Visibility specifically under Component 3

- **Press releases - 2** event-based press release was issued:

1. Process of IP Registries automation discussed (27 March 2013)
2. Registration of Geographically Indications (10 April 2013)

8 Summary of Achievements against Results Aimed and OVI's

Summary of achievements against OVI's is provided at Annex XXIII.

9 Work Plan

Work plan for all three components for 2013 is provided at Annex XXIV.

Annex I

Strengthening of PITAD's Institutional Capacity

S.N	Equipment	No.	Specifications	Current use
1	Paper Shredder (Credit + CD)	1		Paper shredder is needed to dispose of important documents safely
2	Photocopier and network printer machine with extra toner	1	D95/D110/D125 & D110/D125	PITAD's heavy duty network printer/photocopier is very old and often has maintenance issues which affect the performance of researchers.
3	Cannon EOS 600 D Flash + Memory card for EOS 600D Camera	1	Cannon EOS 600 D with EF-70300 MM lenses or equivalent	PITAD organize events, seminars, trainings for which they need to perform recordings for library and future references. A flash + memory card is required for camera purchased last time under the same project.
4	SHURE Wireless microphone	2		Required for Q&A session during long distance trainings
5	Windows 8 (Registered)	10 users		Original software is required to keep laptops and desktops in working order
6	Windows 7 (Registered)	10 users		Original software is required to keep laptops and desktops in working order
7	Windows Server 2008 (Registered)	1		Original software is required to keep laptops and desktops in working order
8	Scanner	2		Original software is required to keep laptops and desktops in working order
9	Antivirus (Registered)	60 users- 3 year license		Original software is required to keep laptops and desktops in working order
10	UPS		10 KVA with batteries	Required to avoid power failure issue during events, seminars and trainings
11	Mitsubishi Split Unit air condition	2	1.0 ton cooling capacity	Training officers uses computer lab to complete their course work
12	Speaker (Compatible with wireless Microphone)	1		

Accredited Modules

Trade in agriculture	Trade in services law and economics and Pakistan sectoral priorities	Trade related aspects of intellectual property rights
Trade policy formulation	Techniques of international trade negotiations	Trade remedies
Trade policy competitiveness analysis	Trade and investment	Trade, environment and climate change
Regional integration: a comparative legal framework	Economics and policy of non-tariff measures	Dispute settlement at WTO

Trainings Conducted under Component 1

Sr. No.	Title of Training and City	Dates	Participants
01	3 week training of 7 master trainers at on multiple trade issues (WTI, Bern, Switzerland)	July-Aug 2011	07
02	3 day training course on Trade Policy formulation and Competitiveness analysis (Islamabad)	26-28 Sep, 2011	32
03	Training course on Regional Integration: A Comparative Legal Framework (Islamabad)	16-17 November 2011	35
04	Training on Trade in Agriculture (Islamabad)	06-07 Mar 2012	31
05	Joint WTI-PITAD certificate on International Trade Law and Commercial Diplomacy (Islamabad)	26 March 2012	35
06	3 week training of 7 master trainers at on multiple trade issues (WTI, Bern, Switzerland)	22 Aug-13 Sep 2012	07
07	Training on Economics and Policy of NTMs (Islamabad)	09-10 Oct, 2012	26
08	Training course on Trade and Investment (Islamabad)	13-14 Nov 2012	28
09	Training on Economics and Policy of NTMs (Assistance provided to Punjab Govt; Lahore.)	22-23 January 2013	97
10	Contribution to training of commercial diplomats designate (Islamabad)	February 2013	31
11	Training on Trade Related Aspects of Intellectual Property Rights (Lahore)	11-12 March 2013	52
12	Joint WTI-PITAD Certificate to STP (Islamabad)	March 2013	03
13	Training on Trade in Agriculture (Lahore)	10-11 June 2013	76
14	Training on Trade Remedies (Lahore Chamber, Lahore)	02-03 July 2013	68
15	One week training of STP trainees on the Politics and Economics of PTAs at WTI Bern, Switzerland	05-09 Aug 2013	04
16	Training on Economics and Policy of NTMs (Lahore)	29-30Aug, 2013	83
17	Training on Trade and Investment (Karachi,)	09 Sept, 2013	81
18	Training on Trade and Investment (Lahore,)	10-11 Sep 2013	86
19	Training on Trade and Investment (Islamabad,)	12 Sept 2013	104
20	Training on Trade in Services (Karachi,)	07 October 2013	62
21	Training on Trade in Services (Lahore,)	08 October 2013	72
22	Training on Trade in Services (Islamabad)	10 October 2013	105
Total number of stakeholders trained			1125

PPDSC Approved Topics for PPDs and Research Studies

S/N	Topics for PPDs	Topics for Research studies
1	Development of multilateral Negotiation strategy and enhancing exports of Services from Pakistan	Plurilateral negotiations on Trade in Services: Factual analysis of the state of affairs and possible outcomes and its implications for Pakistan along with recommendations for optimal policy and negotiating stance by Pakistan in these negotiations; as well as: Development of services exports development strategy in selected sectors in light of the priorities set in the STPF 2012-15
2	Regional Integration: Enhancing bilateral trade relations: informs 3 PPD: Mangoes, Kinnows, Garment	Review of Pak China and Pak Malaysia FTAs and to develop a framework to review preferential trading arrangement
3	Assessing impediments and devising solutions for export enhancement in selected sectors	Policy reform for export enhancement in leather and textile garments
4	Technology up-gradation and foresight for export competitiveness	Analysis of Pharmaceutical and surgical sectors to put in place a policy for technology up-gradation and foresight in those sectors.
5	Policy reform to enhance Competitiveness in horticulture sector (Kinnow and Mango)	Policy reform to enhance competitiveness and exports of horticulture (Kinnow and Mango)
6	Development of organizational framework for domestic Commerce	Development of organizational framework for domestic Commerce

Component I Synergies with Components 2 and 3

Sr. No.	Synergies
1.	Stakeholders and beneficiaries from Component 2 &3 were invited to participate in the training and PPDs held under Component 1 which not only built the capacity of stakeholders on issues which are of direct relevance to other Components of TRTA II programme but also created awareness regarding the work that is being undertaken by other Components of the programme.
2.	Policy papers emanating from the PPD on Trade with India covered fans and surgical instruments and recommended measures for the export enhancement in those two sectors. The recommendations provided way forward for interventions at policy level, meso level and micro level and once implemented can make Pakistan able to compete with India and China in India. The sectors are of direct relevance to Component 2.
3.	Policy paper emanating from the PPD on Enhancing Exports to Europe covered issues affecting exports of sea food to Europe and provided policy options for remedial measures which could be taken by various stakeholders.
4.	The research study conducted on Trade with India in Industrial goods provides concrete policy recommendations for enhancing competitiveness and export potential in fans and surgical goods to India and globally. Certainly, it is key to Component 2.
5.	In the training on Trade in Agriculture held on 10-11 June 2013 at Lahore, Component 2 experts were given time and opportunity to speak about the interventions of Component 2 regarding SPS controls. Similarly, the draft Food Safety law was also presented before the participants of the training to initiate a dialogue and awareness among the participants about its importance.
6.	Stakeholders from Component 2 and 3 were invited to participate in the trainings on Trade Remedies (02-03 July) and training on Economics and Policy of Non-tariff Measures (29-30 August) to build their capacity on these two important aspects of trade policy.
7.	Component 2 and 3 representatives were invited to series of training courses on Trade and Investment held in Karachi, Lahore and Islamabad (09-12 September) as investment is key to developing strong economy and has direct relationship with IPRs and Industrial development issues.
8.	Component 2 and 3 representatives were invited to series of training courses on Trade in Services held in Karachi, Lahore and Islamabad (07-10 October) as Services are key and basic requirement for all sectors of economy.
9.	A research study and two PPDs on Mango and Kinnow are being planned for 2013 where ITC is working closely with Component 2 of TRTA II Programme

List of Items in Food Inspection Kits

Sr. No.	Name of Equipment
1	Light meter digital with accessories & charger case. (Range 20 to 2000 LUX)
2	Digital camera (case/accessories) Waterproof 12 mega pixel, 3 inch screen with macro function
3	Global positioning system unit Water resistant 64 Mb micro SD card and PC software
4	Colorimetric test kit (eg.Lovibond) for resazurin milk hygiene test, to include: Resazurin disk and Resazurin reagents (1000 tests)
5	Colorimetric test kit (eg.Lovibond AF 1185) with colour-disk comparators for chlorine and pH testing of potable water , to include (DPD Method) Free and total Chlorine 0 – 2,5 ppm (steps of 0,5ppm) and e 0-15ppm (steps of 2ppm) and pH 1-10, with reagents/tablets for above. (1000 tests)
6	Ph paper, Paper test strips, 100 tests, range pH 1- 14
7	Paper test strips for sulfite SO ₂ 100 tests (range 10 – 400 ppm and 1.0 – 50 ppm)
8	Measuring tape, 20 m
9	Hand Magnifying glass (Illuminated) 2 – 4 times magnifying
10	Heavy Duty LED Flashlight 2 AA size batteries
11	Digital probe Thermometer. Waterproof, temp range -50°C to +150°C Stainless steel probe accuracy 0,5°C. Spare probes x 2
12	Thermometer Infra-red. Temp. Range – 50° to +150 °C. Accuracy 1,0°.
13	Pocket Ph meter (waterproof) with calibration solution Ph Range 0-14 Accuracy 0.2. Splash proof.
14	Cool box separate ice /elements compartment with water drain hole. 25 liter
18	White lab coats
15	White hats (hard)
16	Wellington boots (white) 2 of each size 39-43
17	Disposable gloves (box of 100)
18	Disposable hair net (box of 100)

List of Items in Horticulture Kits

S. No.	Item
1	Saw Small
2	Scissor (Looper)
3	Magnifying Lens
4	pH Meter 0-14
5	Ladder
6	Secateurs (Small Scissors)
7	Pole Pruner
8	Large Saw
9	Secateurs (Small Scissors)
10	pH Meter 0-14
11	EC meter- 999 x 10 micro semen per cm
12	Power Sprayer
13	Plastic Crates
14	1 KG Electronic Weighting Machine
15	Manual Refractometers
16	Tensiometers Set Fix with 12" long probe (USA)
17	Bench for pruning and harvesting
18	Chain Saw Electric
19	De-Sapping Tubs/Frames

Salient Features of the Action Plan

Salient features of the action plan are given below:

- 1. Establish QMS in conformity to ISO 17043:2010 and achieve international recognition through accreditation**
 - a. Development of QMS;
 - b. Completion of Documentation;
 - c. Approval & Issue of documents;
 - d. Deadline August 2013 (Completed)

- 2. To establish the infrastructure facilities to carry out independent PT services**
 - a. Planning and costing for infrastructure requirements (civil construction work, Equipments, Reference Materials, glassware, furniture & other consumables) requirements
 - b. Submission of requirements and costing to PCSIR/MoST & TRTA/UNIDO through DGNPSL
 - c. Deadline: June 2013
 - d. (GoP delayed; TRTA agreed to provide CRMs and associated equipment amounting to Rs. 600,000 to imitated PT scheme)
 - e. Approval of funding & commissioning of civil construction work
 - f. Deadline: August 2013 (delayed)
 - g. Completion of the civil construction work
 - h. Deadline: November 2013 (delayed)
 - i. Procurement of needed equipment glassware, reference materials & consumables (Completed)

- 3. To complete the four PT programmes identified in the annual plan for 2013-2014 as per the established time targets**
 - a. First PT in chemical testing (HM – Cd & Pb)
 - b. 9 laboratories to participate
 - c. Commissioning of equipment & receipt of all other requirements
 - d. Deadline December 2013 (on time)

Study Tour Trainings Sponsored under Component 2 during the Reporting Period

- 1. Title: Workshop on Food Legislation**
Date: 02 March 2013; *City:* Lahore; *Total Participants:* 50
Key stakeholders attended the training/workshop: PFA staff and other relevant stakeholders on food safety and control including in Federal government bodies such as NAPHS, PSQCA and representatives of other Provinces
Training covered: Setting out the actions proposed, discussing and adjusting the proposals as required and finalizing an agreed regulatory development plan.
Outcome: Modern functional food safety regulations for the Government of Punjab in line with best international practices developed
- 2. Title: Two-day workshop on ISO 17043 in setting up PT scheme**
Date: 21-22 May 2013; *City:* Islamabad; *Total Participants:* 25
Key stakeholders attended the training/workshop: NPSL PT team and PCSIR
Training covered: Quality and Technical Documentation reviewed towards the PT plan
Outcome: Establishing International Accredited PT scheme
- 3. Title: Six-day training of Food Safety Officers along with Field visit to Food Business**
Date: 29 June to 05 July 2013; *City:* Lahore; *Total Participants:* 45
Key stakeholders attended the training/workshop: PFA, UVAS, and UAF
Training covered: Training on Sampling techniques and protocols; Procedures for using checklist; Professional standards of behavior expected of inspectors; Provide a concise scientific reference guide for inspectors; Protocols for outsourcing of testing services and hands on training for Inspection Kits
Outcome: Hands-on training course for the food safety officers and protocols established
- 4. Title: Five-day Pedagogical training Operators on Food Inspection Kits**
Date: 08-12 July 2013; *City:* Lahore; *Total Participants:* 25
Key stakeholders attended the training/workshop: UVAs, UAF
Training covered: Consultation and support to Universities for course content, validation criteria for submission to REHIS *Outcome:* Improved delivery of Post Graduate Diploma Course at UVAS & UAF
- 5. Title: Working Group for Technical Regulation on Food Labelling**
Date: 02 September 2013; *City:* Lahore; *Total Participants:* 25
Key stakeholders attended the training/workshop: PFA staff and other relevant stakeholders on food safety and control including representatives of Law Department (Punjab) and private sector (Metro, Pepisco, & Nestle) & civil society (Consumer Associations)
Training covered: Setting out the actions proposed, discussing and adjusting the proposals as required and finalizing an agreed regulatory development plan.
Outcome: Modern functional food safety regulations for the Government of Punjab in line with best international practices developed

- 6. Title: Working Group on Food Hygiene Regulations**
Date: 13 September 2013; *City:* Lahore; *Total Participants:* 35
Key stakeholders attended the training/workshop: PFA staff and other relevant stakeholders on food safety and control including representatives of Law Department (Punjab) and private sector (Metro, Pepisco, & Nestle) & civil society (Consumer Associations)
Training covered: Setting out the actions proposed, discussing and adjusting the proposals as required and finalizing an agreed regulatory development plan.
Outcome: Modern functional food safety regulations for the Government of Punjab in line with best international practices developed
- 7. Title: Workshop on Sanitary Control for Ice plant**
Date: 18 September 2013; *City:* Karachi; *Total Participants:* 45
Key stakeholders attended the training/workshop: Workers/Management from 22 ice plant factories/suppliers and the rest were inspectors from MFD, FCS and KoFHA
Training covered: To understand the principles of good hygiene in ice production for fisheries; safe operations of an ice plant; Assessment of the food safety conditions of ice production facilities; Properties and types of ice; Bacteria and its effect on fish safety and spoilage; Water chlorination; Principles of hygienic operation of ice plants; Official controls and approval system for plants supplying ice to Karachi Fish harbour
Outcome: Assurance of provision of ‘safe ice’ for the fisheries/food sector through approved ice plants that successfully passed the inspection audits.
- 8. Title: Two-day workshop on Basic concepts and principles of ISO/IEC 17025**
Date: 17-18 September 2013; *City:* Islamabad; *Total Participants:* 30
Key stakeholders attended the training/workshop: Technical staff of the regional laboratories of PCRWR throughout Pakistan, 3 staff members from NRLPD and PFA.
Training covered: Role of Conformity Assessment Bodies; Documentation & Record keeping; Measurement Uncertainty; Internal Quality Control; Introduction to Business Planning
Outcome: Assurance of provision of ‘safe ice’ for the fisheries/food sector through approved ice plants that successfully passed the inspection audits.

Study Tour of Microbiologists and Quality Managers

Name	Designation	Department/Organization (number of participants)	Purpose of Study Tour
Dr. Sikandar Hayat	Director/Quality Manager	FQCL, Lahore (3)	Training Course: Training programme for Quality Managers Trainings programme for Technical Managers (Microbiology) Venue: Industrial Technology Institute Sri Lanka Dates: 18-29 March 2013
Mr. Asif Ali	Assistant Director Fisheries (Microbiology)		
Mr. Tariq Mehmood	Assistant Director Fisheries (Microbiology)		
Mr. Farid Ullah Khan	Quality Manager	PCSIR Peshawar (2)	
Dr. Arshad Hussain	Technical Manager (Microbiology)		
Ms. Shadab Gul	Assistant Director Laboratories	PFA, Lahore (2)	
Mr. Ayaz Khurram	Public Analyst		

Outcome:

- Quality Managers will have the working knowledge of how to implement a Quality Management System in their respective laboratories
- Technical Managers will receive hands-on training in latest/relevant microbiology techniques which they will be able to duplicate in their laboratories
- This capacity building will enable the laboratory to be better placed to apply for accreditation having fulfilled the basic requirements of the ISO 17025

Study Tour of Chemists and Quality Managers

Group I

Name	Designation	Department /Organization	Purpose of Study Tour
Mr. Sohail Shaukat	Scientific Officer (CES)	PCSIR Laboratories Complex, Karachi	<p>Training Course: Details provided in separate attachments:</p> <p>Trainings programme for Technical Managers on the following instruments (parameters given in the brackets)</p> <ol style="list-style-type: none"> GCMSMS (Dioxin, PCBs) LCMSMS (antibiotic residues) HPLC (histamine, tetracycline, nitrofurans) <p>Matrix: fish & fish products</p> <p>Venue: DHI Water & Environment (S) Pte Ltd. Singapore</p> <p>Dates: 15-26 April 2013</p>
Dr. Alia B. Munshi	Chief Scientific Officer/HoC-CES		
Mr. Muhammad Akram	Senior Scientific Officer	PCSIR Laboratories Complex, Peshawar	
Mr. Asif Ali	Senior Chemist/Technical Manager	Fisheries Research and Training Institute, Lahore	
Mr. Shahrukh Siraj	Technical Manager (Chemistry Laboratory)	Marine Fisheries Department, Karachi	
Mr. Mudassar ul Hasnain	Assistant Director (Chemistry Laboratory)		
Dr. Ali Abbas Qazilbash (for holding meetings with DHI – 2 working days only)	Programme Officer for Laboratory Accreditation and SPS Compliance	TRTA II/UNIDO	

Outcome:

- Pakistan will have the enhanced capacity to test the fish and fisheries products for environmental parameters as per EU requirements

Group II

Name	Designation	Department /Organization	Purpose of Study Tour
Kashifa Naghma Waheed	Principal Chemist/Techn ical Manager- ICP Lab	Fisheries Research and Training Institute, Lahore	Training Course: Trainings programme for Technical Managers on the following instruments (parameters given in the brackets) 3 LCMSMS (antibiotic residues) 4 ICP-MS/OES (detection of trace metals) Matrix: fish/fish products & water Venue: DHI Water & Environment (S) Pte Ltd. Singapore Dates: 06-17 May 2013
Muhammad Arfan Hadyait	Deputy Technical Manager (Chemistry)		
Shakeel Badshah	Research Officer	Pakistan Council of Research in Water Resources (PCRWR), Islamabad	
Khurshid Ahmad	Research Officer		
Hifza Johar	Deputy Director		
Observers			
Syed Zain-ul- Ibad	Quality Manager	PSCIR Karachi Laboratory Complex, Karachi	

Outcome:

- Pakistan will have the enhanced capacity to test the fish/fisheries products and water for environmental parameters as per EU requirements

Study Tour of PSQCA staff sponsored under TRTA II Programme

Name	Designation	Department/ Organization	Purpose of Visit/Study Tour
Mr. Pir Bukhsh Jamali	Director General	PSQCA	<p>The objective of the study visit is to attend 36th ISO General Assembly held in Saint Petersburg, Russia is to:</p> <p>i) Increase expectations from the governance of any organization</p> <ul style="list-style-type: none"> - Transparency - Oversight - Accountability - Ethical standards <p>ii) Governance and the organization need to respond to global changes:</p> <ul style="list-style-type: none"> - Globalization and competition - Technology - Developing Country needs <p>iii) The General Assembly is the highest governing body of ISO and brings together key decisions maker in the world of Standardization. It is an opportunity for all ISO members to get the most from their membership by sharing ideas and best practice; making useful contacts in the standardization field; and shaping the global standardization agenda.</p>
Khawaja Ghulam Mohiuddin	Deputy Director	PSQCA	

Outcome:

- ISO structures aligned with modern governance requirements
- Greater transparency and accountability to members
- More effective governance role and processes for Council
- Greater clarity about the role of Council; ISO Officers; Sub-groups reporting to Council
- ISO better able to respond to global changes:
 - Globalization and competition
 - Technology
 - Developing Country Needs

Study Tour of PNAC/MoST staff sponsored under TRTA II Programme

Name	Designation	Purpose of Visit/Study Tour
Masroor Ahmad Qureshi	Joint Technological Advisor Ministry of Science and Technology	<p>PACIFIC ACCREDITATION COOPERATION (PAC) ANNUAL MEETING Venue: HONOLULU, HAWAII</p> <p>Dates: 18-26 MAY 2013</p> <ul style="list-style-type: none"> • To strengthen the accreditation system in Pakistan and enhance the credibility of accredited organization at international level, MOST/PNAC has secured the memberships of following Regional & International organizations; <p>I. International Laboratory Accreditation Cooperation (ILAC) II. International Accreditation Forum (IAF) III. Asia Pacific Laboratory Accreditation Cooperation (APLAC) IV. Pacific Accreditation Cooperation (PAC)</p> <ul style="list-style-type: none"> • MOST/PNAC being the national apex body of Pakistan has secured the memberships of relevant regional and internal organizations like International Accreditation Forum (IAF), International Laboratory Accreditation Cooperation (ILAC), Asia Pacific Laboratory Accreditation Cooperation (APLAC) and Pacific Accreditation Cooperation (PAC). MOST/PNAC has achieved the milestone by signing MRA (Mutual Recognition Agreement) with APLAC and has been peer-evaluated a team of Peer-Evaluators (PEs) comprising of two members for MLA (Multilateral Recognition Arrangement) with PAC from 16 – 21 July 2013. For maintaining the memberships and acquiring MLA Signatory Status with relevant regional and international organizations, it is obligatory for MOST/PNAC to attend the annual, plenary, mid-year and technical meetings of these organizations. Annual meetings of PAC are being scheduled from 18 – 26 May 2013 in Honolulu, USA. • It is an important event as the peer-evaluation report of MOST/MOST/PNAC would be discussed in PAC MLA Management Committee Meeting. Delegation of MOST/MOST/PNAC would defend the case in this meeting and subsequently on

		approval by PAC MLA Committee there will be a formal ceremony where MOST/MOST/PNAC would sign the MLA Certificate with PAC. Also a training workshop on ISO/IEC 17065 is scheduled to be conducted which is the new and emerging standard that would help this Council in launching this new scheme. As per program of the meetings there are parallel technical meetings, group discussions and technical visit, a delegate comprising of two members need to attend the meetings.
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Study Tour to South Korea to attend Election Annual Meeting

Name	Designation	Department/ Organization	Purpose of Visit/Study Tour
Mr. Farid Bakhtiar	Deputy Technological Advisor	MoST	IAF/ILAC Annual Meeting Venue: Seoul, South Korea Dates: 16-25 October 2013
Mr. Pervaiz Ahmed	Director Certification Bodies	PNAC	

Outcome:

- Develop strategies for PNAC to carry out:
 - Product Certification (ISO 17065)
 - Food Safety certification (ISO 22000)
 - System Certification (ISO 17021)
 - IT systems management (ISO 20000)
 - Security management systems (ISO 27001)
 - Person Certification (ISO 17024)
- Networking with other Accreditation Bodies to share solutions to common problems
- Determine the MLA & MRA status of PNAC particularly in terms of the maintaining international recognition and how to advocate its case at WTO to ensure acceptance of certification/accreditation at global level – particularly with reference to trade

Study Tour of MFD staff sponsored under TRTA II Programme

Name	Designation Department/Organization	Purpose of Visit/Study Tour
Shaukat Hussain	Director General Marine Fisheries Department (MFD)	<p>Purpose: Present a paper on Up-gradation of Quality infrastructure to enhance sea food safety, inspection services and trade from Pakistan to the European Union market. Share knowledge/Skills and experience from other countries to address SPS inspection systems throughout the fisheries supply chain</p> <p>Venue: St John's, Newfoundland, Canada</p> <p>Dates: 28 September – 03 October 2013</p>

Outcome:

The objectives to participate in the congress is to enhance cold chain and improve seafood safety to make in to line the entire stages of production, processing and distribution of fish and fishery products with international recommended standard.

Study Tour EU-UK sponsored under TRTA II Programme

Name	Designation	Purpose of Visit/Study Tour
Azhar Sajjad Khan	Operations Manager M/S S. K. Mango Farm Grower/Processor and Exporter	<p>The programme's main building blocks are:</p> <p>Visits to sites of importers and wholesale operations in the Netherlands, France and UK</p> <p>Visit large supermarkets in The Netherlands and in France, where the participants could visit and also see the back room activities of the supermarket</p> <p>Meeting with a number of credible fresh fruit and vegetable buyers / importer, and their distribution yard.</p> <p>Visiting the high-end markets in Paris and Rotterdam</p> <p>To Visit CBI office and attend Information Workshop on pricing & costing for fruit in Europe</p> <p>Short workshops to prepare/evaluate the visits</p> <p>Meeting with the Pakistan foreign embassy and other agencies to discover more of European consumer habits and ways of work</p> <p>To Conduct Market Study in Enhancing the Competitiveness of Pakistan Horticulture Export. This study will be conducted jointly by TRTA/UNIDO, CBI and PITAD.</p> <p>Venue: EU & UK Dates: 01-14 April 2013</p>
Ghulam Farid Khan Khakwani	Managing Director M/S Zarpak Processing Grower/Processor and Exporter	
Muhammad Tariq Khan	President M/S Multan Mango Growers Association	
Ghulam Qadir	Orchard Owner Grower/Processor	
Muhammad Riaz	Exports & Imports Business Development Manager M/S Al-Rafique Enterprises	
Quasim Aijaz	Production Director M/s Roshan Enterprises	
Safdar Hussain	Director Marketing M/s Safdar & Co.	
Syed Kausar Ali Zaidi	Director PITAD	
Abdul Kabir	Secretary TDAP	
Razzaq A. Malkana	General Manager (South) Pakistan Horticulture Development & Export Company (PHDEC)	
Badar ul Islam	Programme Officer TRTA II Programme	

Outcome:

- By covering the whole chain from the import in the port of Rotterdam through to (high end) wholesalers and retailers, tour participants will experience themselves what it takes to establish successful exports to a high-end market. Lessons will be learned which will assist the participants in improving their understanding and ways of operating to have sustainable exports.
- Possibility of orders from interested buyers for trial shipments.
- Joint study (TRTA, PITAD and CBI) on Enhancing the Competitiveness of Pakistan Horticulture Export.

Study Tour of PAKFEA

Name	Designation	Purpose of Visit/Study Tour
Faisal Iftikhar Ali	CEO Fisheries Development Board	<p>The objective of the study visit of The Fish Processors and Representative of the Pakistan Fish Exporters Association to Humber Seafood Summit in Grimsby, UK are to;</p> <ol style="list-style-type: none"> 1. To Participate in the First Humber Seafood Summit being held at Grimsby, UK which is considered to be one of the world's capitals of seafood production, where Fishing industry experts from around the world are meeting be talk about the issues facing the seafood industry as well as issue of how the fishing and seafood industries can responsibly manage fish stocks. 2. The purpose is that Pakistani fish processors would attend the Summit to get together with industry leaders, scientists, fishermen, fish farmers and retailers and producers, talking about the industry both in terms of long-term sustainability and also how to market it better to get more consumers to eat fish. 3. This is part of our trade corridor for fisheries. We need to get good business contacts with and through International Expert of TRTA II in Mike in Grimsby. There are major wholesalers in Grimsby that he can facilitate. The objective is to identify Pakistani processors, then potential buyers, then organize the study tour. <p>Humber Royal Hotel Grimsby 18-20 September 2013</p>

Outcome:

- By participation in the First Humber Seafood Summit at Grimsby UK, the Participants will learn the new trends in fish international trade , and market dynamics and when these are translated in Pakistan Fisheries export The quality of export products will boost resulting in enhanced export from Pakistan in high end markets.
- The participation in summit will help build the capacity of Pakistan Seafood Exporters Association to deliver more intrinsically with its members in terms of market forecasting and dissemination of allied market information.
- The PAKFEA Representative, on arrival back will disseminate the new knowledge gained during the visit to the fellow processors and other fish market players in Pakistan.
- The focused B&B meetings with a select group of (high end) wholesalers and retailers under the guidance fan TRTA II International Expert will assist the tour participants to experience themselves what it takes to establish successful exports to a high-end market. Lessons will be learned which will assist the participants in improving their understanding and ways of operating to have sustainable exports.
- Possibility of orders from interested buyers for trial shipments non conventional/new seafood products.

Annex XVII**IPO Pakistan Training from 20 to 24 May 2013**

Sr. No.	Name	Designation	Organization
1	Mr. Waheed Ahmad Shaikh	Deputy Director, TMR	IPO Pakistan
2	Mr. Muhammad Rizwan Khan	Assistant Director, Patent Office	IPO Pakistan
3	Mr. Ghulam Mujtaba	Patent Examiner, IPO HQ	IPO Pakistan
4	Mr. Kashif Latif Malik	Assistant Director, IPO HQ	IPO Pakistan
5	Mr. Mehboob Khan	Sr. IT Assistant, TMR	IPO Pakistan
6	Mr. Muhammad Jabir Salman	Jr. IT Assistant, Copyright Office	IPO Pakistan
7	Mr. Muhammad Zubair	Jr. IT Assistant, Patent Office	IPO Pakistan

**IPO Pakistan IT team trained at WIPO on the Upgraded Automation System (IPAS Java)
from 27 May to 7 June 2013**

Sr. No.	Name	Designation	Organization
1	Mr. Waheed Ahmad Shaikh	Deputy Director, TMR	IPO Pakistan
2	Mr. Muhammad Rizwan Khan	Assistant Director, Patent Office	IPO Pakistan
3	Mr. Ghulam Mujtaba	Patent Examiner, IPO HQ	IPO Pakistan
4	Mr. Mehboob Khan	Sr. IT Assistant, TMR	IPO Pakistan
5	Mr. Muhammad Jabir Salman	Jr. IT Assistant, Copyright Office	IPO Pakistan

CMO Consultations

Sr. No.	Name	Designation	Organization
1	Mr. Ang Kwee Tiang (<i>International Expert</i>)	Regional Director Asia	International Federation of the Phonographic Industry (IFPI)
2	Mr. Tarik Feroze Khan	Director General	IPO Pakistan
3	Mr. Meesaq Arif	Director	IPO Pakistan
4	Mr. Nadia Zubair Shah	Deputy Director	IPO Pakistan
5	Mr. Nasir Mehmood Zahid	Deputy Director	IPO Pakistan
6	Mr. Saif Ullah Khan	Deputy Director	IPO Pakistan
7	Mr. Ghulam Mujtaba	Assistant Director	IPO Pakistan
8	Mr. Kashif Latif Malik	Assistant Director	IPO Pakistan
9	Mr. Nazeer Ahmad Patoli	Deputy Registrar, Copyright Office	IPO Pakistan
10	Mr. Jamal Shah	Chairman / Artist	HUNERKADA College Of Arts
11	Mr. Hassan Jhangir	POP STAR	A-1 Digital Studio
12	Dr. Akbar Yezdani	COO, GEO Music Label	GEO TV, Fire Records
13	Mr. Shafqatullah Khan	Deputy Director (Law)	Pakistan Telecommunication Authority
14	Ms Erum Latif	Deputy Director (Law)	Pakistan Telecommunication Authority
15	Mr. Abdul Rehman	Assistant Director (Law)	Pakistan Telecommunication Authority
16	Mr. UMER Sheikh	C.E.O.	Collective Organization for Music Rights (COMP)
17	Mr. Khurram Mansur	Director	Collective Organization for Music Rights (COMP)
18	Mr. Hassan Hayat	Producer	Pakistan Television (PTV)
19	Mr. Khurram Latifi	Producer / Composer	Pakistan Television (PTV)

20	Mr. Hamid Javed Awan	Deputy Director Media	Public Relation Office, Govt. of Pakistan
21	Mr. Sabir Zafar	Poet/ Lyricist	Senior Song writer – Legend
22	Mr. Khalid Khan	C.E.O	Digital Entertainment Pvt. Limited
23	Mr. Majid Bashir	Lawyer	ABS & Co, National Consultant, WIPO
24	Mr. Zeeshan Chaudhry	General Manager	EMI Pakistan
25	Mr. Samay Shams	Barrister	Jamil & Jamil, Law firm
26	Mr. Rizwan Haque	Artist/ Guitar player	Rock Lite Band
27	Mr. Umair Jaswal	Artist/ Vocalist	QAPAAS
28	Mr. Khurram Waqar	Artist/ Guitarist	QAPAAS
29	Dr. Masuma Anwar	Singer / Composer	Rights holder
30	Mr. Ali Azmat	Artist / Producer	Rights holder
31	Mr. Imran Aziz	Artist / Singer	Rights holder
32	Mr. Uzair Jaswal	Singer / Song writer	Rights holder
33	Mr. Ikram Khan	Singer	Rights holder
34	Mr. Tariq Mehmood	General Manager, Programs	SRBC/ ATV
35	Mr. Haroon Rashid	C.E.O.	UNICOR Black AMPPS
36	Mr. Amanlluah Nasar	Singer/ writer/ Actor	Pakistan Television (PTV)
37	Mr. Allan Smith	Musician	Rock Lite Studio
38	Mr. Bilal Ahmad	Music producer	PBC (Radio Pakistan)
39	Ms. Saher Hasan	Advertisement PB Singer	Rights holder
40	Mr. Arib Azhar	Composer / Musician / Singer	Rights holder
41	Mr. Talal Qureshi	Musician / Producer	Rights holder
42	Mr. Adil Qamar	RAPPER / Singer	Rights holder
43	Mr. Ahmad Shahzad	Drum player	Rights holder

**Final Consultations with National Stakeholders held in Islamabad
from 25 to 26 February 2013**

Sr. No.	Name	Designation	Organization
1	Dr. Henning Grosse Ruse-Khan (<i>International Expert</i>)	Senior Research Fellow	Max Planck Institute for Intellectual Property and Competition Law
2	Mr. Asim Ayaz	Manager	Engineering Development Board (EDB)
3	Prof. Dr. Mudassir Asrar	Chairperson	Pakistan Council for Science & Technology (PCST)
4	Mr. Majid Bashir	Consultant / Lawyer	ABS &Co.
5	Mr. Umar Dad Afridi	Executive Director	IPO Pakistan
6	Mr. Meesaq Arif	Director (Admin / HR)	IPO Pakistan
7	Mr. Inam Ul Haq	Director (Finance)	IPO Pakistan
8	Mr. Muhammad Khurram	Director (Law)	IPO Pakistan
9	Mr. Ahmad Javaid Awan	Director (Media)	IPO Pakistan
10	Syed Nasrullah	Deputy Director (Patent / HR)	IPO Pakistan
11	Mr. Muhammad Ismail	Deputy Director (PBR)	IPO Pakistan
12	Mr. Ghulam Mujtaba	Assistant Director	IPO Pakistan
13	Ms Saima Kanwal	Assistant Director	IPO Pakistan
14	Ms. Shakra Khurshid	Assistant Director (Patent)	IPO Pakistan
15	Mr. Aamar Latif	Assistant Director (Law)	IPO Pakistan
16	Mr. Kashif Latif	Assistant Director	IPO Pakistan
17	Ms. Humaira Shakeel	Assistant Director	IPO Pakistan

Experts Names and List of Officials Met

Sr. No.	Name	Designation	Organization
1	Dr. Henning Grosse Ruse-Khan (<i>International Expert</i>)	Senior Research Fellow	Max Planck Institute for Intellectual Property and Competition Law
2	Mr. Majid Bashir (<i>National Expert</i>)	Consultant / Lawyer	ABS &Co.
3	Dr. Syed Muhammad Junaid Zaidi	Rector	COMSATS University Islamabad
4	Mr. Najm-us-Saqib	Director General	Pakistan Institute of Parliamentary Studies (PIPS)
5	Dr. S.T.K. Naim	Consultant	COMSTECH
6	Dr. Fahim Qureshi	General Manager (Research Development)	COMSATS
7	Dr. Arshad Ali	Director General, School of Engineering & Electrical Sciences (SEECS)	National University of Science & Technology (NUST)
8	Mr. Parvez Ali Chawla	Director General	Federal Judicial Academy (FJA)
9	Prof. Dr. Mudassir Asrar	Chairperson	Pakistan Council for Science & Technology (PCST)
10	Ms. Anum Abbasi	Research Associate	Research Society of International Law (RSIL)
11	Mr. Meesaq Arif	Director	IPO Pakistan
12	Mr. Muhammad Ismail	Deputy Director	IPO Pakistan
13	Mrs. Nadia Zubair Shah	Deputy Director	IPO Pakistan

Annex I - Press Coverage and Visibility Links of TRTA II Activities

Press coverage – headlines and web-links:

1. ‘Country must increasingly focus on trade in services’ <http://tribune.com.pk/story/615401/country-must-increasingly-focus-on-trade-in-services/>
2. Measures urged to tap services sector (09/10/2013); <http://www.thenews.com.pk/Todays-News-3-206982-Measures-urged-to-tap-services-sector>
3. Services exports development key to economic growth: TDAP secretary (09/10/2013) http://www.dailytimes.com.pk/default.asp?page=2013\10\09\story_9-10-2013_pg5_2
4. Services export development key to economic growth (09/10/2013); <http://www.nation.com.pk/pakistan-news-newspaper-daily-english-online/business/09-Oct-2013/services-export-development-key-to-economic-growth>
5. Shift focus from goods to services for boosting exports (10/10/2013) <http://www.nation.com.pk/pakistan-news-newspaper-daily-english-online/business/10-Oct-2013/shift-focus-from-goods-to-services-for-boosting-exports>
6. EU role in capacity building of trade officers appreciated (11/10/2013) <http://www.nation.com.pk/pakistan-news-newspaper-daily-english-online/business/11-Oct-2013/eu-role-in-capacity-building-of-trade-officers-appreciated>
7. Investment in quality of services sector necessary to enhance exports (11/10/2013); <http://www.brecorder.com/pakistan/banking-a-finance/139937-investment-in-improving-quality-of-services-sector-fazal.html>
8. Workshop on services trade held (8/10/2013); <http://dawn.com/news/1048382/workshop-on-services-trade-held>
9. Services Exports Development Key to Economic Growth (8/10/2013); <http://tdap.gov.pk/blog/2013/10/services-exports-development-key-to-economic-growth/>
10. Services Export Development Key to Economic Growth (October 09, 2013) <http://www.highbeam.com/doc/1G1-345131574.html>
11. Services exports development key to economic growth: TDAP secretary (9/10/2013); <http://www.pakistanaffairs.pk/threads/59056-Services-exports-development-key-to-economic-growth-TDAP-secretary?s=dc461d80298272126852340ec838e8a1&p=178696#post178696>
12. Pakistan seeks to advance a services export roadmap, October 30, 2013 <http://www.intracen.org/news/Pakistan-seeks-to-advance-a-services-export-roadmap/#sthash.BhfhYQyk.dpuf>

13. WTI assists in delivering training across Pakistan, 22 Oct 2013, <http://www.wti.org/news-archive/wti-assists-in-delivering-training-across-pakistan/>
14. 2 Urdu Newspapers
15. Training course on 'economics & policy of non-tariff measures' begins <http://www.brecorder.com/business-and-economy/189:pakistan/1226426:training-course-on-economics-a-policy-of-non-tariff-measures-begins/>
16. Understanding policy implications of NTMs crucial (30/08/2013) <http://www.nation.com.pk/pakistan-news-newspaper-daily-english-online/business/30-Aug-2013/newsbrief>
17. Non-tariff measure understanding crucial (30/08/2013) <http://www.thenews.com.pk/Todays-News-3-198822-Non-tariff-measures-understanding-crucial>
18. Policy implications of Non-Tariff Measures crucial to understand: DG PITAD, <http://www.pitad.org.pk/indexP.php?type=press-release#12>
19. 4 Urdu Newspapers (Daily Pakistan – 2 news appeared, Daily Express – 2 news appeared, Daily Jang, and Daily Dunya)
20. The News: <http://www.thenews.com.pk/Todays-News-5-183023-New-technology-reduces-transmission-losses-by-20pc>
21. Training course on 'Trade in Agriculture' begins, June 11, 2013, <http://www.brecorder.com/agriculture-a-allied/183/1197509/>
22. European Union supports Training on Trade in Agriculture for Pakistani officials, <http://www.pitad.org.pk/indexP.php?type=press-release#14>
23. 6 Urdu newspapers (daily Khabrain, Nawa-i-waqt, Express, Dunya, Assas, Samaa).
24. Better investment policies are key to promote investment in the country; (11, 9, 2013), <http://ppinewsagency.com/136834/better-investment-policies-are-key-to-promote-investment-in-the-country-rabyia-javeri-gha/>
25. Better Policies key to attract FDI (11, 9, 2013), <http://www.nation.com.pk/E-Paper/lahore/2013-09-11/page-8>
26. Moot held under EU funded TRTA-11 to investigate changes in FDI Regulations (14 Sep 2013) <http://www.pakistantoday.com.pk/2013/09/14/news/profit/moot-held-under-eu-funded-trta-11-to-investigate-changes-in-fdi-regulations/#sthash.0QYfFU1j.dpuf>
27. Coherent regulatory regime necessary for attracting foreign investment: Secretary Commerce, <http://www.pitad.org.pk/indexP.php?type=press-release#5>
28. Attracting foreign investment: Coherent regulatory regime necessary: commerce secy (13 September 2013) http://www.dailytimes.com.pk/default.asp?page=2013\09\13\story_13-9-2013_pg5_7
29. Policies for attracting FDI urged (11, 9, 2013), Dawn.
30. Training workshop held (10, 9, 2013), Business Recorder, Lahore;
31. Effective policies can attract FDI, (11, 9, 2013), The Nation

32. ITC-PITAD hold training workshop (11, 9, 2013) Daily Pakistan Observer
33. 13 Urdu Newspapers
34. Business Recorder <http://epaper.brecorder.com/2013/07/04/3-page.html>,
35. Understanding of trade laws must to protect local industry (4,7,2013),
http://www.dailytimes.com.pk/default.asp?page=2013\07\04\story_4-7-2013_pg5_10
36. Training course on trade remedies held, (4,7,2013), <http://www.thenews.com.pk/Todays-News-3-187337-Training-course-on-trade-remedies-held>
37. Trade defence laws vital to protect industry (2,7,2013), <http://www.nation.com.pk/pakistan-news-newspaper-daily-english-online/business/03-Jul-2013/trade-defence-laws-vital-to-protect-industry>
38. Knowledge of trade laws vital to protect local industry (4,7,2013), Pak Banker
39. Training course on trade remedies held (2, July, 2013)
<http://www.japanherald.com/index.php/sid/215589308/scat/5e8a9e9456185a7e>
40. Training course on trade remedies held (2, July, 2013)
<http://www.malaysiasun.com/index.php/sid/215589308/scat/5e8a9e9456185a7e>
41. Training course on trade remedies held (2, July, 2013)
<http://www.bignewsnetwork.com/index.php/sid/215589308/scat/5e8a9e9456185a7e>
42. Ten Urdu Newspapers (Daily Express – 2 news appeared, Daily Jang, Daily Nawa-i-Waqt, Daily Pakistan – 2 news appeared, Daily Din, Daily Jinnah, Daily City 42, and Daily Dunya)
43. Enhancing trade with India can bring benefits for the industrial sector, (2, July 2013),
<http://www.thenews.com.pk/Todays-News-3-188572-Enhanced-trade-with-India-can-bring-benefits-for-industrial-sector>
44. Business Recorder: <http://www.brecorder.com/business-a-economy/189/1229648/>
45. Process of IP Registries automation discussed - March 28, 2013
http://www.dailytimes.com.pk/default.asp?page=2013\03\28\story_28-3-2013_pg5_6
46. Metrological activities: NPSL receives internationally recognised accreditation- 18 May 2013 -
http://www.dailytimes.com.pk/default.asp?page=2013\05\18\story_18-5-2013_pg5_7
47. EU supports Pakistan for traceable measurement services - May 16, 2013 <http://dnanews.com.pk/eu-supports-pakistan-for-traceable-measurement-services/>
48. EU supports Pakistan for internationally traceable measurement services for industry May 16, 2013
<http://pakistan.onepakistan.com.pk/news/city/islamabad/211079-eu-supports-pakistan-for-internationally-traceable-measurement-services-for-industry.html>
49. EU supports Pakistan for internationally traceable measurement services for industry
<http://pakistanintheworld.com/content/eu-supports-pakistan-internationally-traceable-measurement-services-industry>

50. NPSL awarded accreditation for on-site calibration services - May 21, 2013
http://www.dailytimes.com.pk/default.asp?page=2013\05\21\story_21-5-2013_pg5_12
51. Pakistan moves closer to standardizing, quality control - May 21, 2013
<http://tribune.com.pk/story/552074/pakistan-moves-closer-to-standardising-quality-control/>
52. TRTA II programme supports PT Scheme in Pakistan (Frontier Post) - May 23, 2013
<http://www.thefrontierpost.com/article/14406/>
53. TRTA II programme supports PT Scheme in Pakistan (Online News Network)) - May 23, 2013
<http://www.onlinenews.com.pk/details.php?catid=&newsid=227135&catname=Business>
54. “Special Supplement on World Metrology Day, 20 May 2013” published in Daily Jang
55. UVAS diploma receives accreditation from Royal Environmental and Health Institute of Scotland
<http://pakedu.net/pakistani-education-news/uvas-diploma-receives-accreditation-from-royal-environmental-and-health-institute-of-scotland/> (25 July 2013)
56. UVAS diploma receives accreditation from REHIS http://news.silobreaker.com/uvas-diploma-receives-accreditation-from-rehis-5_2266985544586100834 (25 July 2013)
57. UVAS diploma receives accreditation from Royal Environmental and Health Institute of Scotland
<http://pakedu.livejournal.com/4197532.html> (25 July 2013)
58. University of Veterinary and Animal Sciences (UVAS) Lahore diploma receives accreditation from Royal Environmental and Health Institute of Scotland (REHIS) <http://pakmed.net/college/forum/?p=80515> (25 July 2013)
59. UVAS granted diploma accreditation in food safety - July 25, 2013 <http://www.thenews.com.pk/Todays-News-5-192115-UVAS-granted-diploma-accreditation-in-food-safety>
60. <http://pakedu.livejournal.com/4197532.html> (25 July 2013)
61. <http://pakedunetwork.typepad.com/blog/2013/07/uvas-diploma-receives-accreditation-from-royal-environmentaland-health-institute-of-scotland.html> (25 July 2013)
62. European Union supports mango farmers to improve fruit quality by providing Horticulture Kits
<http://www.lhrtimes.com/2013/07/29/european-union-supports-mango-farmers-to-improve-fruit-quality-by-providing-horticulture-kits-183722/#ixzz2acjZqPI2>
63. 4 Urdu Newspapers (Daily Pakistan, Daily Azkar, Daily Nai Baat and Daily Dehat)
64. Seed lab being improved <http://dawn.com/news/1033459/seed-lab-being-improved>
65. Pakistan gets MLA signatory status <http://dawn.com/news/1037187/pakistan-gets-mla-signatory-status>
August 21, 2013

66. <http://www.nation.com.pk/pakistan-news-newspaper-daily-english-online/business/21-Aug-2013/pnac-wins-laurels> August 21, 2013
67. <http://epaper.brecorder.com/2013/08/21/9-page.html> August 21, 2013
68. https://www.facebook.com/pages/Press-Information-Department-Pakistan/149439858472433?ref=stream&hc_location=timeline August 21, 2013
69. UNIDO delegation visits fish harbour <http://www.dawn.com/news/1038750/unido-delegation-visits-fish-harbour> (28 Aug 2013)
70. Dioxin Lab inauguration - 30 August 2013 Dawn
71. Dioxin Lab inauguration - 30 August 2013, The News
72. Dioxin Lab inauguration - 30 August 2013, Business Recorder
73. Dioxin Lab inauguration - 30 August 2013, Pakistan Observer
74. Dioxin Lab inauguration - 30 August 2013 Daily Messenger
75. 8 Urdu newspapers (Daily Jang, Jehan-e-Pakistan, Intikhab, Aftab, Ummat, Anjam, Khabrain, and Nai Baat)

Summary of Achievements against Results Aimed and OVI's

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	Achievements made Inception – 31 March 2011 1 April 2011 – 30 November 2011 1 December 2011 – 30 May 2012 1 June 2012 – 31 January 2013 1 February – 31 October 2013
<p>1. Coherent trade policy and regulatory reform for export competitiveness</p> <p>1.1 PITAD's institutional capacity strengthened</p>	<p>PITAD's technical materials and publications assessed and procurement made of items required to carry out high-level research, analysis and training by 2011</p>	<p>First assessment of PITAD's equipment needs has been completed</p> <p>Assessment of library books requirements for PITAD has been completed jointly by PITAD, WTI and ITC. About 92 books have been provided to PITAD's library.</p> <p>Equipment needs assessment for electrical equipment, electronic equipment and computer related equipment has been finalized jointly by various wings of PITAD (Research wing, Knowledge management wing and training wing), ITC and WTI. Procurement of that equipment is at a very advanced stage</p>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	Achievements made Inception – 31 March 2011 1 April 2011 – 30 November 2011 1 December 2011 – 30 May 2012 1 June 2012 – 31 January 2013 1 February – 31 October 2013
		<p>Procurement of PITAD’s equipment and books for 2011 is complete Second assessment for PITAD’s equipments and books have been conducted and procurement is in process</p> <p>The agreed books and library resources were provided to PITAD.</p> <p>Second annual assessment of PITAD equipment needs conducted and the agreed equipment provided to PITAD after procurement through UNDP Pakistan</p> <p>Third annual assessment of PITAD equipment(software and hardware) and library resources conducted in association with PITAD and WTI</p> <p>The agreed equipment and library resources have been purchased and provided to PITAD (some books are blocked at Islamabad airport and will be provided soon after custom</p>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	Achievements made Inception – 31 March 2011 1 April 2011 – 30 November 2011 1 December 2011 – 30 May 2012 1 June 2012 – 31 January 2013 1 February – 31 October 2013
<p>1.2 PITAD's and other research institutes' expertise on trade policy strengthened</p>	<p>Twining arrangement signed with international training institution (MOU signed by 2012)</p> <p>6 trainers and researchers trained by 2011; a further 6 researchers and trainers trained by 2012 (two batches, 12 in total)</p> <p>PITAD modules and trade policy research projects (6) are carried out and completed by 2013 and assessed to be of a high standard.</p>	<p>clearance.</p> <p>MOU for twining arrangement has been signed between PITAD and WTI.</p> <p>A survey has assessed government officers views of what sort of trade policy topics should be taught.</p> <p>7 researchers/trainers have been selected from PITAD, IBA, LUMS and TDAP and shared with WTI.</p> <p>7 WTI mentors have been selected to train Pakistani master trainers</p> <p>7 modules have been jointly selected by PITAD/Pakistani research institutes and WTI for master trainers to develop the modules.</p> <p>WTI agreed that modules developed under their mentorship will receive joint certification</p>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	Achievements made Inception – 31 March 2011 1 April 2011 – 30 November 2011 1 December 2011 – 30 May 2012 1 June 2012 – 31 January 2013 1 February – 31 October 2013
		<p>Responses from government officers to a survey undertaken made clear their most desired training topic and training method</p> <p>7 researchers/trainers have been selected from PITAD, IBA, LUMS and TDAP whereas WTI provided 7 mentors to guide one master trainer each.</p> <p>Online training of those selected master trainees carried out till the end of June which resulted in the finalization of module outlines.</p> <p>The 7 master trainers were sent to WTI for three weeks training on the selected modules and to learn pedagogical methods for module delivery.</p> <p>After the Bern training, the master trainees have started write up of their modules and 5 modules have been submitted by the master trainees for final review/approval of their mentors.</p>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	Achievements made Inception – 31 March 2011 1 April 2011 – 30 November 2011 1 December 2011 – 30 May 2012 1 June 2012 – 31 January 2013 1 February – 31 October 2013
		<p>These modules are being reviewed by WTI so as to ensure that they meet the requirements for joint certifications.</p> <p>6 training modules have been developed and finalized for 2011, 5 out of the 6 modules have been jointly certified by WTI and PITAD for joint WTI-PITAD certificate course.</p> <p>Day to day operationalization of the twinning arrangement is being carried out.</p> <p>7 researchers/trainers have been shortlisted for the second training and module development at WTI</p> <p>Collaboration between mentors and Master trainers has been established for module development.</p> <p>Monitoring and reporting mechanism has been established for the module</p>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	Achievements made Inception – 31 March 2011 1 April 2011 – 30 November 2011 1 December 2011 – 30 May 2012 1 June 2012 – 31 January 2013 1 February – 31 October 2013
		<p>development process.</p> <p>Policies and procedures and respective responsibilities of the participating agencies (WTI, PITAD and ITC) in the module development process have been defined and agreed.</p> <p>Mentor and master trainers collaboration has resulted in the finalization of outlines for the seven modules and four draft completed modules for 2012.</p> <p>Agenda for a three week training for master trainers along with their housing arrangements, travel itineraries and travel health insurance have been completed</p> <p>The PITAD-WTI jointly developed modules were delivered to 35 STP trainees and a joint certificate on “International Trade Law and Commercial Diplomacy” was awarded to the successful trainee</p>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	Achievements made Inception – 31 March 2011 1 April 2011 – 30 November 2011 1 December 2011 – 30 May 2012 1 June 2012 – 31 January 2013 1 February – 31 October 2013
		<p>officers.</p> <p>Three weeks training for Master Trainers organized and conducted at WTI Bern from 22 August to 13 September 2012. Six training modules were completed and internationally accredited during the reported period</p> <p>Two further training modules were accredited during the period which were included to the WTI-PITAD joint certificate</p> <p>Second batch of STP trainees received joint WTI-PITAD certificate on International Trade Law and Commercial Diplomacy after successful completion of the jointly developed training modules</p> <p>WTI awarded formal certificate of accreditation for the twelve jointly developed training modules which now form joint WTI-PITAD certificate course on International Trade law and Commercial</p>

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<p>1.3 Government officers’ capacity on specific trade policy and international trade negotiations strengthened</p>	<p>6 short trainings are conducted with government officers successfully completing training</p>	<p>Diplomacy.</p> <p>A survey has been undertaken to assess the capacity and desire of Pakistani universities and research institutes to carry out trade policy research</p> <p>3 day training on Trade policy formulation and Competitiveness analysis was conducted jointly by PITAD and ITC. The master trainers from IBA and PITAD who were trained by the mentors from WTI under Component 1 conducted the training. The WTI mentors also supported and participated in the event through video conference. 32 officers from various ministries and government departments participated in the training.</p> <p>A 2 day training on Regional Integration-A comparative legal framework” was conducted by the master trainer from TDAP who was</p>

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		<p>trained under Component 1 of the TRTA II programme on the subject. He was also supported by the mentor from WTI through videoconference. Thirty officers from various ministries and government departments were trained on the subject.</p> <p>A 2 days training on Trade in Agriculture was conducted which was attended by 31 officers and researchers from all the four provinces including Kashmir. Synergies were developed with other components by inviting their counterparts and providing opportunity to lecture about component 2 interventions. The lectures were, for the first time in Pakistan, webcasted. Statistical tools were involved to gauge the capacity improvement of the participants. Analysis indicated a 55 % significant improvement in capacity of participants as a result of training</p>

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		<p>Two days training on Economics and Policy of NTMs was conducted on 09-10 October 2012 which was attended by 26 participants.</p> <p>Two days training on Trade and Investment was conducted on 13-14 November 2012 at PITAD.</p> <p>Assistance was provided to Government of Punjab in holding of two days training on Economics and Policy of NTMs on 22-23 January 2013.</p> <p>Assistance was provided to PITAD in the conduct of training for the commercial diplomats designate (February 22-23, 2013)</p> <p>A two days training on TRIPS was organized in Lahore on 11-12 March, which was attended by 52 participants</p> <p>A two days training on Trade in Agriculture was organized in Lahore on 10-11 June, which was attended by 76 participants.</p>

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		<p>Two days training on Trade Remedies was organized at Lahore Chamber of Commerce on 02-03 July 2013, which was attended by 68 participants</p> <p>One week training on Economics and Policy of PTAs was organized for the STP trainees at WTI Bern from 05-09 August which was attended by 4 STP trainees.</p> <p>Two days training on Economics and Policy of NTMs was organized at Lahore on 29-30 August which was attended by 83 participants</p> <p>A series of training from 09-12 September were organized in Karachi, Lahore and Islamabad on Trade and Investment which were attended by 270 participants</p> <p>A series of trainings on Trade in Services were organized at Karachi, Lahore and Islamabad from 07-10 October which were attended by 254</p>

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<p>1.4 Research studies contributing to the development of a national export strategy conducted</p>	<p>At least 15 research papers that feed into public-private dialogue are produced by 2014 and are approved through peer review mechanism</p>	<p>participants.</p> <p>Research topics for PPDs during 2011 and policy research to feed into the PPD finalized by the PPDS</p> <p>Research consultants hired to conduct five research studies at the recommendations of EC of PPDS</p> <p>Three research studies have been completed and presented during first PPD whereas two further studies are under international peer review</p> <p>The system of international peer review established for the studies conducted by local researchers/research institutions with a secondary objective of refining the research skills of local organizations.</p>

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		<p>4 research studies have been completed and have been approved following international peer review</p> <p>The PPDSC selected five more research studies to be conducted during 2012</p> <p>Four research studies completed during 2011 were printed and widely circulated.</p> <p>TORs including scope, methodology and objectives of the research studies have been drafted in consultation with the PPDSC members and other stakeholders</p> <p>Hiring of consultants to conduct five research studies was completed and research studies were initiated</p> <p>Research studies were completed after successful peer review at various stages of their development. The studies were presented in 3 PPDs organized during the reported period.</p>

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<p>1.5 Public-private dialogue for a coherent national export strategy is fostered</p>	<p>A core group of key stakeholders constituted to develop a national export strategy by 2012</p> <p>Approximately 10 PPDs are held by 2014</p>	<p>Five research studies and a similar number of policy recommendation papers were completed, edited, formatted and printed for wide circulation during the reported period</p> <p>TORs for 8 new research studies finalized, research consultants hired after competitive selection process and research studies formally initiated during the reported period which are at an advanced stage.</p> <p>PPDSC has been established</p> <p>PPDs recognized as complimentary to GoP's initiative of reviving export promotion board and 2011 as year of exports</p> <p>A completed survey has indicated stakeholders most desired topics for PPDs.</p>

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		<p>Orientation on Component 1 vision of PPD process given to PPDSDC. Executive Committee (EC) of PPDSDC established</p> <p>First PPD on Services sector export development strategy for Pakistan held</p> <p>The process of PPD and policy research to feed into the PPDs steered by the EC of PPDSDC which is the ultimate objective to create ownership for the PPD among core group of stake holders</p> <p>Second PPD on trade with ECO countries in textile made-ups and light engineering has been conducted</p> <p>The second PPDSDC meeting was held. Policy recommendations stemming from the 2011 two PPD consultative processes were formally approved and submitted to the Government of Pakistan for</p>

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		<p>consideration for potential implementation</p> <p>Three topic areas were selected for holding three separate PPDs during 2012</p> <p>Three supervisory committees, each consisting of three members, were selected to supervise the three PPDs during 2012</p> <p>Policy recommendations emanating from 2 PPDs held in 2011 were submitted to government. Proper follow up and presentation to relevant government officers were made which resulted in the inclusion of ten recommendations advanced by PPDs in the STPF 2012-15.</p> <p>PPD on Enhancing Competitiveness and Export potential of Livestock and Dairy sector was conducted at Lahore on 29 November 2012.</p> <p>PPD on Enhancing Competitiveness for Exports to Europe was conducted on 20 December 2012 at Karachi.</p>

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		<p>PPD on Enhancing Competitiveness and Export Potential for Trade with India in Light of the Improved trade relations and full implementation of SAFTA was conducted on 16 January 2013 at Lahore.</p> <p>Third annual meeting of the PPDSOC conducted on 07 March 2013 which identified topics for research studies and PPDs to be conducted during 2013/14.</p> <p>PPDSOC also approved policy recommendation papers which were formally submitted to Ministry of Commerce.</p>
<p>2. Improved compliance of exported products with export market requirements</p> <p>2.1 Strengthened SPS controls</p>	<p>Controls on exports of fishery products “at least equivalent” to EC by 2012</p> <p>No. of EU RASFF alerts for products of plant origin/year reduced to <10/year by 2014</p>	<p>2.1: To achieve the OVIs, the following progress has been achieved:</p> <ul style="list-style-type: none"> - National consensus achieved to establish a National Food Safety, Animal Health and Plant Health Authority NAPHIS Bill has been re-drafted

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		<ul style="list-style-type: none"> - Three local universities identified for establishing training institutes for food inspectors - Technical input provided in establishing Punjab Food safety Authority - Further refinements were made to NAPHIS Bill and the proposed organisation structure. The Bill is now ready for presentation to Cabinet for approval. - 10 participants from fish processing plants were trained in HACCAP and traceability systems, 28 participants from the Marine Fisheries Department and Karachi Fishery Harbour Authority trained in hygiene controls along the supply chain - Study tour to US comprising 1 delegate was conducted on SPS - Study tour to UK and Brussels on SPS issues comprising 10 delegates from relevant ministries and agencies was conducted - MOU's for partnership between

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		<p>TRTA II and three local institutions were finalized to develop local capacity to offer post graduate training courses in SPS</p> <ul style="list-style-type: none"> - Further refinement of the NAPHIS bill and structure has been completed - Wide stakeholder consultative session on NAPHIS Bill held on 9 June 2012 - Courses for food safety inspectors designed and book lists identified - The post graduate diploma will be launched in September 2012. - National Food Safety Animal and Plant Health Regulatory Authority (NFSAPHRA) bill has been developed and has been submitted to Ministry of Food Security and Research for approval. - Post Graduate Courses in food safety enrolled first set of students at 3 national universities - MFD further assisted in working closely with processors to initiate

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		<ul style="list-style-type: none"> - trail shipments of fish to EU - Punjab Government’s food safety authority has been provided with requisite laws and procedures. - Dossier to resume fish exports to EU sent to DG SANCO - Exports of Fish & Fish products to EU resumed on pilot basis initially from two FBOs - 7 consignments of fisheries products exported from Pakistan to Italy, Spain & UK – all were cleared by the EU inspection system - NAPHIS Bill presented to Cabinet for approval - Animal Health Dossier completed and submitted to MNFS&R to initiate OIE PVS evaluation mission - PGDC in Food Safety & Controls accredited by REHIS; first batch of 75 graduated have passed out; 2 employed by PFA & 2 by private sector (Nestle & Engro Food) - 7 model technical regulations for food safety developed

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<p>2.2 Improved quality, value addition and compliance in fishery, horticulture and industrial sectors</p>	<p>10 additional fishery establishments compliant with EC market requirements by 2014 Value of fishery/horticulture products at first sale increased by 5% in real terms by 2014 40 fishery/horticulture/fans/cutlery enterprises certified to quality, environment, food safety, GAP, CSR management systems including CE marking by 2014</p>	<ul style="list-style-type: none"> - 20 food safety inspection kits provided to the PFA (9), UVAS (2), UAF (2), MFD (2), KFHA (1) and FCS (1) <p>2.2: To achieve the OVIs, the following progress has been achieved:</p> <ul style="list-style-type: none"> - NPO signed MOU with WNPO and WCPS - Five NPO staff trained in Benchmarking - Sector level benchmarking tool and questionnaire, and overall effective efficiency (OEE) tool and questionnaire for fan and the cutlery sectors developed and pretested - Data collection in progress in fan and cutlery sectors - Strategic plan finalized for MFD to assist them in lifting EU Ban - Horticulture round table, attended by 20 key stakeholders, conducted in Lahore to discuss way forward on development and application of PakGAP

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		<ul style="list-style-type: none"> - Cost of control survey in horticulture developed and pretested in the field - TORs developed and proposals received for development of Code of Practices (COPs) in horticulture - Competitiveness Benchmarking System (CBS) tool developed and launched. - 10 Staff of NPO trained in CBS Tool and software installed at NPO - CBS and benchmarking data collected in fan and the cutlery sector - 3 NPO staff trained in CBS data collection in field from factory floor - 2 Benchmarking reports produced for cutlery and fan sector - 21 firm level intervention reports produced to improve value addition and productivity - The CBS has also been launched in the Surgical Instruments

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		<p>Industry</p> <ul style="list-style-type: none"> - TRTA II fully supported NPO in conducting productivity congress in collaboration with APO (17-18 November) - Five fellowship awards were presented to five individuals from Pakistan by World Academy of Productivity Sciences (WAPS) arranged under TRTA II programme. - PC-1 for Pakistan Gap has been revised and submitted for approval to Ministry of Commerce. - Three Local technical institutions in Multan, Faisalabad and Sargodha have been selected and engaged under TRTA II programme to develop Codes of Practice (COPs) along the critical points of the supply chains in the kinnow and the mango sector. This activity has also been linked up with Agriculture Support Linkage Programme (ASLP) programme of AUSAID and the FIRMS programme of USAID in

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		<p>the said sector.</p> <ul style="list-style-type: none"> - Organized horticulture stakeholders round table meetings in collaboration with PHDEC which endorsed the approach and frame work presented for the development of COPs. - The potential local agency (NESPAK) has been identified for the award of the contract to carry out pre-feasibility studies concerning the upgradation of landing sites and developing the business park at Korangi Harbour which will help towards the operationalization of said harbour. - Sectoral Benchmarking for Surgical Sector initiated by NPO supported by TRTA II - 25 master trainers in lean manufacturing trained from NPO, TEVTA, TUSDEC, NUST and fan sector - Over 50 workers in fan industry

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		<p>trained on lean manufacturing</p> <ul style="list-style-type: none"> - Significant productivity impacts realized in pilot factory where lean was implemented. Production time reduced from seven to one day. Paint drying time halved and packing time improved by 80%. - COP development is in progress for Kinnow and Mango - Strategy to train 1000 fishermen has been developed - NPO has been awarded contract by Federal Ministry of Industry to replicate the TRTA II / UNIDO benchmarking technique in garments industry - 3 factories as a result of training and demonstration of lean manufacturing have made investments in infrastructure improvement and lean will be implemented in those factories. - NUST is working with fan manufacturers to improve fan design and electrical efficiency - Environmentally friendly, safer for worker health and more

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		<p>productive technology being introduced in the cutlery sector.</p> <ul style="list-style-type: none"> - COPs for citrus and mango developed and piloted in selected farms. Trial shipments based on new COPs being implemented sent from Karachi to China for mangoes - Feasibility to improve Korangi Business Zone is underway - 5 new product lines have been introduced for value added fish meals. - NPO is conducting a sector level bench-marking survey in the surgical instrument sector and a firm level Overall Effective Efficiency (OEE) - TRTA II programme has launched Inter-national tender for the supply, install and commissioning of the polishing machines in cutlery sector - The second draft of the prefeasibility study has been prepared by NESPAK - First draft of the COP manual completed for the horticulture

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		sector (kinnow & mango) <ul style="list-style-type: none"> - . 22 equipment kits (10 to Mango farmers and 10 to kinnow farmers) provided to support the farmers to produce quality fruit - MRS conducted 72 FFSs and CRI conducted 41 FFs in the selected farm clusters. CRI also conducted 35 visits to the selected farm clusters. - Mango Fruit Fly controlled effectively in pilot clusters. - CE marking has been achieved for the protective gloves. - Electric Fans submitted for CE marking Passed LVD and EMC testing - Retailer Partnership for Mangoes from Pakistan - Twelve (12) shipments of Mangoes (Sindhry, Chaunsa) were prepared under the supervision of TRTA II experts and sent directly to ASDA - TRTA II facilitated the establishment of Export Consortium of Growers from Southern Punjab

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<p>2.3 Improved conformity assessment infrastructure and services</p>	<p>Internationally recognized accreditation (1) compliance testing (24), metrology (6), system certification (5) and metrology (6) services achieved by 2013 30 testing/metrology labs paying accreditation fees to PNAC by 2014</p>	<ul style="list-style-type: none"> - Two Shipments of mangoes (white Chaunsa) were prepared by the Mango Growers Consortium and sent to Econsave supermarket in Malaysia. This is the direct result of the visit of the Malaysian buyers facilitated by the TRTA II programme <p>2.3: To achieve the OVIs, the following progress has been achieved:</p> <ul style="list-style-type: none"> - Assessment of 34 testing and calibration labs conducted and 24 testing plus 6 metrology laboratories selected for accreditation under TRTA II - Brief on conflict of PSQCA function in respect of SPS food controls and mandatory certification of food products produced and discussed with MinFA and MoST - Mock audit of mass metrology laboratory conducted and gaps identified to achieve

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		<p>accreditation</p> <ul style="list-style-type: none"> - 67 staff from 30 laboratories trained in development of business plans (BPs) for laboratories and draft BPs produced - Three Consultative Workshops and National Conference in Lahore, Karachi and Islamabad organized on practices of standardization, setting technical regulations and conformity assessment - Two day training programme was organized for 27 staff of PSQCA on Setting National Strategies and assessing priorities for standardization - 11 staff members of PSQCA associated with TBT/WTO National Enquiry Point was trained. - Action plan was developed in consultation with PSQCA staff to operationalize the NEP. - Two officials of PNAC participated in Asia Pacific

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		Laboratory Accreditation Cooperation (APLAC) General Assembly, MRA Council and Technical Meetings held in Philippine from 12-16 September 2011 <ul style="list-style-type: none"> - NPSL achieve international recognition in its measurement services and signed MRA with BIPM/CIPM - NEP at PSQCA in process of being fully operational - PNAC's assessments completed and training provided for PNAC - to become national certifying accrediting body - Assessment of quality and standards manuals of laboratories completed. - 6 metrology laboratories of PNAC have accredited by PNAC - PSQCA role and activities have been further strengthened - PNAC and NPSL are signatory to their required standards body and can conduct their certifying duties within Pakistan. - 24 testing laboratories closer to

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		<p>being certified.</p> <ul style="list-style-type: none"> - First Draft of the NQP has been Developed - The PNAC has achieved MLA signatory status. This MLA was signed during the PAC Plenary Meeting held in May 2013 in Honolulu, Hawaii. - Certification bodies in Pakistan accredited by PNAC for QMS and EMS will be allowed to operate and their certifications will be globally accepted - Fifteen labs (6 metrology + 9 testing) receiving TRTA II support have been accredited by PNAC to date
<p>3. Strengthened IP system facilitating increased investment and trade in IP protected goods and services</p> <p>3.1 Strengthened IP Institutions</p>	<ul style="list-style-type: none"> • 3 IPO officials with LLM degrees by 2013 • Adoption of results based management practices in IPO-Pakistan by 2014 • Report on validation of Trademark and Patent Administration procedures by 2012 • Examiners trained on Trademark and Patent search and examination by 2012 • Upgraded IT infrastructure established by 2014 • Upgraded IP automation system (WIPO IPAS Java) 	<p>3.1 Strengthened IP Institutions</p> <ul style="list-style-type: none"> - 2 IPO officials following LLM course in Turin - Workshop on results based management completed and implementation of its recommendations is in progress - Report on Trademark and Patent Administrative procedures completed

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	<p>deployed and streamlined IP procedures automated by 2012/2013</p> <ul style="list-style-type: none"> • IP records digitized and IP databases completed by 2014 • Back-office administrative systems identified and first phase implemented by 2013 • 4 IPO IT officials with certificates in technical skills by 2013 • Availability of online IP services and interfaces by 2014 • CMO study available by 2012 	<ul style="list-style-type: none"> - Training of Trademark and patent examiners completed - Recommendations on upgrade of IPO IT infrastructure made and IPO is working on their implementation - Work is in progress on implementation of IPAS Java at the Patent Office and the Trade Marks Registry - Tendering process for digitization of the paper IP records – equipment part completed, services part in process - 1st Technology Training of IPO IT team completed - Report on CMOs completed - 3rd IPO official following LLM course in Turin - Implementation of recommendations to upgrade IPO IT infrastructure currently being undertaken by IPO - Digitization of IP records started and is in progress

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<p>3.2 Strengthened IP Legislation and Policy Framework</p>	<ul style="list-style-type: none"> • Position paper on utility model protection by 2013 • National stakeholders consultations on GIs and PBRs by 2013 • National stakeholders consultations on Madrid System and PCT by 2013 • National Roundtable on IP Policy by 2013/2014 	<ul style="list-style-type: none"> - Implementation of IPAS Java at the Patent Office and the Trade Marks Registry is in progress - 2nd Technology Training of IPO IT team completed - Web portal tender published - Final consultations on CMOs, based on a CMO study, completed <p>3.2 Strengthened IP Legislation and Policy Framework</p> <ul style="list-style-type: none"> - Paper on utility model protection completed - Consultation visit on Madrid System completed - Consultation visit on PCT completed - Final consultations on utility model protection completed. Position paper to be prepared by IPO - Stakeholders consultations on Madrid System held by IPO

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<p>3.3 Improved enforcement of IPRs</p>	<ul style="list-style-type: none"> • Judges colloquium by 2012 • Up to six (6) officials trained from FIA/Police and Customs Academy by 2012 • IP enforcement training courses commenced by Police, Customs and Judicial Academies by 2012 	<p>Pakistan</p> <ul style="list-style-type: none"> - WIPO tools provided for preparation of a discussion paper for roundtable on development of national IP strategy <p>3.3 Improved Enforcement of IPRs</p> <ul style="list-style-type: none"> - Colloquium for judges on IPR enforcement completed - Training of officials from Police/FIA/Customs completed - Planned activities completed. IP enforcement modules being conducted by Federal Judicial Academy. Similar modules in Police and Customs academies are under discussion

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<p>3.4 Increased use of IP system by businesses and research institutions</p>	<ul style="list-style-type: none"> • Public information campaign (media briefings, provision of public awareness materials) commenced by 2011 • Up to 15 national trainers on IP for businesses trained by 2012 • Roundtable on IP and trade policy by 2012 • IP modules in up to six public-private consultations by 2013 • National Roundtable on TMOs by 2013 • E-forum on technology transfer to industry established 	<p>3.4 Increased use of IP system by businesses and research institutions</p> <ul style="list-style-type: none"> - Training on IP for businesses for national trainers (from SMEs) completed - Draft report on Kinnows under review - Media briefings continue at regular intervals throughout the project - Draft paper on IP Curriculum for universities completed - Report on branding options for Kinnows through GIs / Marks being finalized - IP reference publications delivered