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## Trade Related Technical Assistance (TRTA II) Programme

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# PROGRESS REPORT

December 2011 - May 2012



Associated Agencies



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## List of Acronyms

APLAC	Asia Pacific Laboratory Accreditation
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
CV	Curriculum Vitae
DFID	Department for International Development
DG	Director General
DSA	Daily Subsistence Allowance
ECO	European Cooperation Organization
EU	European Union
ACP/OCT	African, Caribbean and Pacific/ Overseas Countries and Territories
FBOs	Fisheries Business Operators
FCS	Fishermen Cooperative Society
GAP	Good Agriculture Practices
GI	Good Agriculture Practises
HACCP	Health Analysis & Critical Control Points
ICT	Information & Communication Technologies
IFAD	International Fund for Agriculture Development
IPR	Intellectual Property Right
ITC	International Trade Center
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
MRA	Mutual Recognition Arrangement
MRS	Mango Research Station
NA	Norwegian Accreditation
NAPHIS	National Animal and Plant Health Inspection Services
NEP	National Enquire Point
NEP	National Enquiry 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 Epizootics
PAKGAP	Pakistan Good Agricultural Practices
PC-1	Planning Commission Planning Document 1
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
DG SANCO	Directorate-General for Health and Consumers
SPS	Sanitary & Phyto-Sanitary
TBT	Technical Barrier to Trade
TEVTA	Technical Educational & Vocational Training Authority
TMR	Trade Marks Registry
TORs	Terms of References
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 Organisation
USDA	United States Department of Agriculture
UVAS	University of Veterinary & Animal Sciences
WAPS	World Academy of Productivity Sciences
WIPO	World Intellectual Property Organisation
WTI	World Trade Institute
WTO	World Trade Organisation

## **Executive Summary**

This report covers the progress made under the three components of the EU funded TRTA II programme from December 2011 to May 2012. Over this period of six months the programme continued its implementation with significant momentum and made a positive visible impact on the selected beneficiaries both in the public sector and the private sector. The overall progress of the programme is on target both in terms of financial delivery and output delivery. The PMO inclusive of all three implementing agencies with the support of PITAD and under the guidance of PSC continued to perform and implement programme activities in the most efficient and impactful manner.

As a result of activities implemented under Component 1 Trade Policy Capacity Building, the institutional capacity of local training and research organizations has been augmented to advance training and research according to international standards. Key in this approach was the review and enrichment of PITAD's training modules, assessment and provision of advanced equipment, tools and resources to conduct training and research, and continuous training of local master trainers and researchers under the mentorship of Switzerland based World Trade Institute (WTI). The twining arrangement facilitated under Component 1 between PITAD and WTI was operationalized, continuously monitored and cemented to transform it into a professional institutional arrangement between the two institutes.

The hallmark achievement of the partnership was the joint development and accreditation of five training modules for a joint WTI-PITAD certificate course on International Trade Law and Commercial Diplomacy. The jointly developed modules were delivered to 35 trainee officers of STP course at PITAD for which the joint certificate was awarded in a ceremony attended by a large number of officers from various ministries. The enhanced institutional capacity of PITAD and expertise of master trainers were utilized to strengthen the knowledge of policy makers on Trade in Agriculture through a focused training course attended by 31 officers. The training was webcasted to provide low cost capacity building facility.

The improved capacity of PITAD together with enhanced expertise of policy makers made important steps towards enhancing the policy making process. The engagement deficit between the policy makers and other stakeholders (particularly the private sector) was bridged through the development of a thorough consultative process according to international best practices in the local setting. To better inform the consultative process and to provide stakeholder driven as well as alternate policy choices, four evidenced based analytical policy studies were conducted and internationally peer reviewed to ensure quality and relevance. In the context of this process, the second public private dialogue (PPD) was conducted and attended by representatives from public sector, private sector, international organizations and civil society. The finalization of two policy recommendation papers for regional integration and trade in services and their subsequent approval by Public Private Dialogue Steering Committee (PPDSC) for submission to government for potential implementation was a major achievement. In sum, important steps were made toward achieving the Component 1 goal of institutionalization of a well-informed public-private dialogue on the design, implementation and monitoring of trade policy and regulatory reform.

Component 1 also focused on development of synergies with other TRTA Components by involving stakeholders of these Components in the PPD and training.

Throughout the implementation of Component 1, continuous effort has been made to ensure maximum visibility of TRTA II (e.g. TRTA II, PITAD, ITC and WTI websites; numerous press articles; formal award ceremony of the PITAD STP graduates, etc.)

The key achievement made under Component 2.1: Strengthening SPS Management System is to move Pakistan from a position where there was inadequate national legislation and institutional structure to a position where a national level draft SPS Law and its implementing and controlling institutional structure exists. These outputs are under discussion with all national and provincial stakeholders and a national consensus is being achieved through a national seminar on 9 June 2012. During the programme life around 360 food safety officers will receive a Post Graduate Diploma in food safety hygiene and border controls and some 100 inspectors currently working in the field will be trained in SPS/food safety issues. This capacity did not exist prior to the TRTA II programme intervention, however, now three national intuitions will be offering the diploma course from September 2012. Finally, as a result of engagement of TRTA II experts with MFD and international study tours institutional capacity in the SPS sector has increased significantly in Pakistan as demonstrated by successful submission of the dossier to DG SANCO for lifting ban on fish exports to EU.

Component 2.2: Improved quality, value addition and compliance in fishery, horticulture and industrial sectors is strategically the most important component for programme as it deals strongly with both public sector beneficiaries as well as private sector. As a result of activities carried out over the last year National Productivity Organisation (NPO), Pakistan is now well known to international productivity organisations and associations such as World Network of Productivity Organisations and Asian Productivity Organisation. To further strengthen NPO in conducting work at the sector level TRTA II programme has provided them with IT equipment which is now in full use as NPO replicates the TRTA II sector benchmarking methodology in the Surgical Instruments Sector. This shows sustainable capacity developed at NPO. The sector competitiveness study in the fan sector identified implementation of lean manufacturing as a key productivity improving intervention. It was identified that minimal capacity for lean existed at NPO, SMEDA, TUSDEC and TEVTA – key agencies working on competitiveness of industrial sector. TRTA II has now successfully created this capacity and 25 master trainers are now available at NPO, SMEDA, TUSDEC and TEVTA to impart lean procedures in manufacturing sectors.

Moreover, the private sector in fan industry as a result of implementation of lean has greatly benefitted. The major success demonstrated is enabling the fan unit able to manufacture and pack fans in one day as compared to the industry norm of 6 to 7 days. This change has not only speeded up production but has reduced the investment needs in inventory and unfinished stock by over rupees 5 million. Another major impact was achieved via simple design change at the paint shop that has reduced heating and paint drying time by half. Finally another design alteration has reduced packing of fan time by around 80%. These are major changes that once replicated industry wide will change the lives of workers and labourers involved with the sector which amount to over 150,000. Three local institutions have been engaged to work with private sector in citrus and mango sectors to develop and implement Coded of Practices that will lower the costs of production and enhance yields. All these efforts are

going to directly impact productivity and profitability of these sectors, hence contributing to more employment and higher wages result in some attribution to poverty alleviation.

A critical issue identified under the TRTA I programme was commercial sustainability of the laboratories in Pakistan. It was realised that upgrading the laboratories may not have the desired impacts if they fail to sustain commercially. Hence, under Component 2.3: conformity assessment and infrastructure services of TRTA II, 30 laboratories have been extensively trained in commercial aspects and for business viability. Through this exercise it is expected that these labs will be able to run more successfully and continue to earn enough to reinvest and grow substantially. To strengthen the work carried out under TRTA I, six metrology laboratories at NPSL have been assessed by PNAC for accreditation to ISO 17025 and currently the programme is supporting them in meeting requirements of the corrective measures identified. Additional 24 testing laboratories have been supported to draft their quality and technical manuals in accordance with ISO 17025. These are major achievement under the TRTA II. Moreover, national agencies including PSQCA, NPSL and PNAC are supported continuously to improve and strengthen their capacity and ability to meet the challenges that Pakistan face as part of a globally competitive world. As a result of this support Pakistan will have a national agency to provide internationally recognized accreditation services for laboratories, certification and inspection agencies which currently are reliant on international accreditation bodies such as UKAS, NATA, Norwegian Accreditation body etc. PNAC has already achieved the MRA signatory status ILAC/APLAC for laboratories and MLA with IAF/PAC is expected to be achieved in July 2012 after the planned evaluation by PAC. This demonstrates a major change brought about by TRTA II in Pakistan.

Component 3: As a result of interventions implemented so far, IPO Pakistan has made good progress and has taken significant initiatives in all the four result areas addressed by this Component. Firstly, in the area of IP legislative and policy framework, IPO Pakistan has initiated national consultations with stakeholders on accession to international IP treaties, in particular, the Madrid System for International Registration of Marks. IPO Pakistan has also established working groups on preparing for accession to the Madrid System and the Patent Cooperation Treaty, as well as for providing protection to plants breeders rights and utility models. Position papers are now being prepared by IPO-Pakistan on some of these areas. Secondly, for strengthening the IP institutional framework, the long standing integration and consolidation of the IP Registries' operations into a single building has been given top priority and is now being actively pursued. The IP Registries, especially the Trade Marks Registry, have started preparing for digitization of their large volume of IP records by filtering out the records that are no longer active, thus saving much needed office space and reducing passive backlog. This will greatly contribute to the goal of more efficient processing of IP applications. Thirdly, on IP enforcement the FIA, Customs and Police are now in a better position to introduce IP enforcement training programs in their respective organizations. Fourthly, consultations with universities, research institutions and industry have created a keen interest in strengthening university-industry linkages to generate and exploit IP for their mutual benefit.. Based on these positive developments, IPO Pakistan was successfully able to obtain the support of the Office of the Prime Minister for their IP initiatives. This was manifested in the keynote speech that was delivered by the Prime Minister on the IP Day ceremony on 26 April 2012, and which outlined a number of specific actions which the Government would be undertaking in the near future.

In addition to implementing the agreed log-frame activities, TRTA II programme has also been working with PITAD and other key agencies to regularly monitor the performance of the programme. PITAD working jointly with the PMO issues quarterly monitoring reports which highlight any critical issues that need urgent attention prior to PSC scheduling. PMO is also working on developing and implanting an impact assessment framework for the overall programme. The objective is to be able to inform the government, the EU and all stakeholders and beneficiaries about the real impact attained under the programme. Donor Coordination is another important area where PMO has been working with PITAD to organise a donor's conference, however, this still needs to be conducted awaiting scheduling from PITAD/MoC. Finally, concerted effort has been placed on the visibility of the programme and the EU through website, electronic media, published media and newsletters at regular intervals.

## 1 Context of the Action

- 1.1 Trade is identified as one of the principal instruments of poverty alleviation, where export-led growth has resulted in increased household incomes and employment opportunities signifying a positive trade poverty-nexus in development process. The overall objective of the TRTA II programme is to contribute to poverty reduction and sustainable economic development. The programme purpose is increased 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.
- 1.4 The overarching objective of **Component 2** 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 services.
- 1.5 **Component 3** is aimed at building the capacity of Pakistan to implement a modern IPR regime which is robustly integrated to the global IP system. This will be achieved by strengthening IP institutions as well as the IP legislative and policy framework. Support will also be provided to achieve more effective enforcement of IP rights and enhanced capacity of business and research institutions to use the IP system.
- 1.6 It is extremely essential that activities in each of the above three components are synergized to achieve coherence in implementation of the programme. Hence, Component 1 institutions will, in particular, develop capacity and undertake trade policy research and analytical studies relevant to activities carried out by Components 2 and 3, and especially in relation to identification and investigation of technical barriers which have the greatest economic impact on trade performance. Similarly, Components 2 and 3 will correspondingly address the implementation of quality and productivity improvements and IP protection in areas where trade policy research suggest that interventions measures could be optimally applied.

## **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 organisations 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

### **2.2 Component 1: Trade Policy Capacity Building**

#### **2.2.1 Review mission to Geneva to monitor progress under Component 1**

In order to determine programme implementation details and review progress on the first year of a partnership agreement between the WTI and PITAD, senior officers from the PITAD, the WTI and the ITC met on 20 January 2012 at WTI in Bern, Switzerland. Participants of the meeting agreed that progress in 2011 had been sound and a similar process should be undertaken in 2012. In this regard, a further seven trade policy modules were agreed to be developed through a train the trainer approach (i.e. Pakistani master trainers supported of leading WTI international experts). The modules are:

- Trade-related aspects of intellectual property rights
- Trade remedies
- Dispute settlement
- Trade and investment
- Trade, environment and climate change
- The economics and policy of non-tariff measures
- Assessing the effects of Preferential Trade Agreements (PTAs): measurement methodologies

## 2.2.2 Strengthening of PITAD's institutional capacity

### 2.2.2.1 Completion of 2011 equipment targets in December 2011

An assessment of the equipment needs of PITAD to carry out training and research according to international standards was conducted jointly by PITAD, WTI and ITC. All functional wings of PITAD (including training research and knowledge management wings) were engaged in the process to determine their most pressing needs to conduct their training and research functions. Pursuant to comprehensive needs assessment of PITAD for their hardware tools and software equipment needs, procurement of the agreed equipment was carried out through United Nations Development Programme (UNDP) Pakistan and provided to PITAD in December 2011. That completed the target for 2011 under result area 1.1. Advice on the use of the supplied tools was provided to PITAD where needed. The equipment supplied to PITAD in December, along with information on current usage by PITAD provided below:

#### Computer and Related Equipment

S. N	Description	No of units
01	DVD RW Tower LITEON (5 DVD-R)	1
02	Laptop Core i5 HP/ Dell/ Acer 4GB , 500GB, Wi-Fi Bluetooth Enabled DVD.RW	3
03	Antivirus Kaspersky	60

#### Electronic Equipment

S/No	Description	Current purpose/use
1	TOA P.A system Wireless Neck Mic UHF WS-5300 with 02 Column Speaker 10/30 Watts TZ 103 and TOA Amplifier A-2120	Sound system for the training room of PITAD
2	Multimedia Projector Panasonic projector PT LB 3 EA (3200) Lumenus	Provided for use in the training room
3	Biometrics Time Attendance System Anviz EP-300 three in one with door lock	Is being used by trainees, researchers and other employees of PITAD
4	AV-Tech AVI 212 Night Vision I.P cam for audio and video recording	Used at training room for recording and webcasting of lectures.
5	Smart Electronic Board S.B-680 77" Diagonal with wall Mounting Brackets	Used in the training room. The board is multifunction and can record the writings.
6	HP Laser Jet CM 2320 fxi 600x600 DPI 160 RAM 21 PPM colour printer and scanner	For use by the research and training wings of PITAD.

S/No	Description	Current purpose/use
7	Sony LED 55" LED built-in 3d Technology Model 55Ex 720 Resolution 1920x1080	For use by PITAD research board. Research proposals, draft and completed studies and other issues requiring the approval of board are presented.

The trainee officers at PITAD reviewed 15 books which were provided earlier under the TRTA programme. They submitted their formal book reviews which were evaluated for their final rankings.

The process of need assessment for providing books to PITAD's library during 2012 has been completed. Books recommended by the WTI selected mentors for 2012 modules have also been included in the list as those would be required by the master trainers for the development of modules during 2012. Similarly, PITAD's librarian, and all functional wings were engaged in the development of the list. The agreed list of books has been ordered for procurement and in the next few weeks books will be provided to PITAD.

An initial demand list for equipment has been prepared in consultation with the Information and Communication Technology (ICT) wing of PITAD and other relevant wings. The list is pending approval of PITAD after which the list will be formally submitted to WTI for their advice. Another list for subscription of international journals and procurement of databases has been prepared and submitted for consideration of PITAD after which the same would be shared with WTI for advice.

#### **2.2.2.2 Strengthening of PITAD's and other research institutes' expertise on trade policy**

In 2011, collaboration between PITAD selected master trainers and WTI provided mentors resulted in the finalization and WTI accreditation of five modules on agreed upon trade policy topic either in need of strengthening under PITAD's current curriculum or new areas of interest for development. The modules included:

- Trade in agriculture- (SPS, GMOs, organic food, subsidies, food security, etc.)
- Trade policy formulation
- Trade policy competitiveness analysis
- Regional integration: a comparative legal framework
- Trade in services law and economics and Pakistan sectoral priorities

Progress on the sixth module from 2011, Techniques of international trade negotiations, is at an advanced stage (module submitted to WTI) and is likely to be completed within the month of June 2012.

After finalization of the five training modules and their subsequent accreditation by the WTI, the modules were pooled together to comprise the Joint WTI-PITAD Certificate Course on International Trade Law and Commercial Diplomacy (only modules that are accredited are able to comprise this course). The jointly developed modules were delivered to the 35 trainee officers of the Specialized Training Programme (STP) at PITAD.

Pursuant to selection of topics for modules during 2012 and agreement among PITAD, WTI and ITC on policies and procedures to be followed for the development of modules, PITAD selected seven master trainers. WTI provided seven mentors for guiding the master trainers for development of modules. Details of the 2012 modules, mentors and master trainers are given below:

S/N	Name of Module	Master Trainer	Mentor
1	Trade-related aspects of intellectual property rights	Mr. Nauman Aslam, Director Trade Development Authority of Pakistan (TDAP)	Dr. Henning Ruse-Kahn,; Max Planck Institute for Intellectual Property, Competition and Tax Law
2	Trade remedies	Ms. Maliha Quduus, Research Officer PITAD	Dr. Gustav Brink, Trade Policy Consultant
3	Dispute settlement	Mr. Khalid Hanif, Deputy Director PITAD	Dr. Christian Haerberli, WTI
4	Trade and investment	Rana Shahzad Ahmad Khan, Director TDAP	Mr. Roberto Echandi, WTI
5	Trade, environment and climate change	Dr. Syed Kausar Ali Zaidi, Director PITAD	Dr. Arthur Appleton, WTI
6	The economics and policy of non-tariff measures	Mr. Muhammad Shafiq Haider, Assistant Director PITAD	Prof. Olivier Cadot, University of Lausanne
7	Assessing the effects of preferential trade agreements (PTAs): measurement methodologies	Mr. Hasan Shafqaat, Assistant Director PITAD	Dr. Anirudh Shingal, WTI

Collaboration between PITAD selected master trainers and WTI selected mentors started in mid February for module development on the topics agreed between PITAD and WTI. Comprehensive exchange of resources and telephonic/Skype discussions took place among the mentors and master trainers to finalize the outlines for the seven proposed modules by the end of March 2012.

Further discussions, provision of reading materials and other resources took place between the mentors and master trainers once the outlines for modules were agreed. Subsequently four draft modules were prepared and another one module was partially completed. It is foreseen that by the end of June all the seven draft modules would be completed.

In order to design and schedule the three week Bern training for the master trainers, extensive consultation with PITAD and WTI/mentors was conducted to maximize benefits from the training. To that effect, a schedule/agenda was finalized for the course. Housing arrangements for the three weeks training of the master trainers was arranged at Bern in consultation with PITAD, the WTI and master trainers. Housing agreements have been finalized, signed and submitted to WTI. Letters of invitation, draft travel itineraries, and travel health insurance have been arranged for the master trainers in connection with their travel to Bern and provided to them to facilitate their visa process.

After completion of the training, the master trainers will be utilized to disseminate their knowledge to the policy makers working in various government Ministries and departments through ad-hoc trainings in addition to lecturing in the PITAD regular training courses. As per practice of 2011 master trainers, they will positively contribute to the government policies formulation and trade negotiations besides mentoring of students and interested parties from other institutes/organizations. Some examples of the utilisation of 2011 Master Trainers and dissemination of their knowledge gained include: delivery of short training courses to government officers, module teaching to STP trainee officers, participation in negotiations with India, mentoring of students from National Defense University on Auto sector etc.

### **2.2.2.3 Strengthening of Government officers' capacity on specific trade policy and international trade negotiations**

#### **Training on Trade in Agriculture conducted**

A two day training course on Trade in Agriculture was conducted at PITAD from 6-7 March, 2012. This training course was jointly organized by ITC and PITAD with technical assistance from the WTI. Master trainer from TDAP trained under Component 1 conducted the above mentioned training course, with the contribution from his mentor from WTI who delivered lectures and provided support to the trainer through video conference.

Policy makers and researchers, 31 in total, from various federal government ministries and provincial departments participated in the training course. The training was aimed at strengthening the skills, knowledge and understanding of the participants regarding trade in agriculture particularly GMOs, SPS, and the WTO Agreement on Agriculture, etc.

Particular attention was given to development of synergies with other Components of TRTA II programme. Accordingly, stakeholders from Component 2 were invited to attend the training. A trainee from NAPHIS (stakeholder of Component 2) was given an opportunity to give a presentation on Food Safety which is an important intervention of Component 2.

For the first time in Pakistan, PITAD was able to webcast the training so that interested stakeholders throughout Pakistan (and globally) are able to participate in the training online with the help of TRTA II provided equipment. Webcasting provides easy to access and low cost training opportunities.

Another highlight of the training was the use of modern video conference facilities for lecturing at PITAD in which renowned experts from WTI delivered lectures and responded to the questions from the audience. The last lecture of the training was also attended by the acting EU ambassador to Pakistan who also participated in questions answer session.

#### **2.2.2.4 Conducting research studies contributing to the development of a national export strategy**

The fourth research study on “Enhancing Pakistan’s Exports to ECO Member Countries in Textile Made-ups and Light Engineering Sectors” was completed in December 2011 following successful international peer review by a leading expert to ensure quality of the research according to international standards. The process for the printing of research studies has been initiated and is expected to be completed in the month of June. A plan of dissemination has been devised.

The study was used to better inform the PPD process on “Enhancing Exports of Textile Made-ups and Light Engineering Sectors to ECO Countries” held on 21 December 2011.

#### **2.2.2.5 New Research studies**

The Public Private Dialogue Steering Committee (PPDSC) in its meeting held on 7 May 2012, selected five research studies for conducting to feed into the three PPDs during 2012. The issues that the five research studies will focus on are as under

- Analysis of industrial sector to identify defensive and offensive interest and policy reform for export enhancement to India
- Analysis of agriculture sector to identify defensive and offensive interest and policy reform for export enhancement to India
- Analysis of qualified sectors for EU GSP plus scheme to define policy recommendations for maximization of benefits from the scheme
- Policy reform to enhance exports of livestock sector
- Policy reform to enhance exports of dairy and dairy products sector

Extensive consultation were held with the relevant stakeholders in public and private sector including the PPDS members to define scope and objectives of the five research studies in order for the research studies and PPDs to respond to the needs and problems faced by the stakeholders. The objectives of the five studies are available on request.

#### **2.2.2.6 Fostering public-private dialogue for a coherent national export strategy**

The second PPD on “Enhancing Exports of Textile Made-ups and Light Engineering Sectors to ECO Countries” was conducted in Islamabad on 21 December 2011. The PPD one day event followed a prior extensive consultative and research process. Over 100 participants from public and private sectors as well as civil society attended the dialogue.

The PPD aimed at defining policy recommendations on domestic regulatory reform for enhancing exports of the two identified sectors to the ECO countries. These selected sectors are critical areas where accessing international standards in a competitive regional environment is key to sustaining the economic growth of Pakistan.

A massive coordination was conducted with business associations, business firms, Federal government ministries, implementing agencies, provincial departments, research organizations, academia and NGOs so as to ensure they were well informed of the PPD. Moreover, the concept, rationale, objectives and strategy was shared and discussed in detail with the abovementioned stakeholders for their active involvement in the process for development of coherent and inclusive trade and investment policies.

Summaries of the two research studies were communicated to the invitees of the PPD so as to initiate their thinking about the issues and recommendations concerning the two sectors to be presented during the dialogue. A feedback policy reform proposal form was also communicated to the stakeholders to provide policy recommendations. Representative of the above mentioned organisations discussed the issues being faced by the selected sectors for enhancing exports to ECO countries and possible policy reform to overcome them.

It was notable that the invited participants were not provided any travel tickets, accommodation or daily living allowances. This indicated the willingness of participants to participate, which bodes well for making the process of PPD sustainable. It was envisaged for the institutionalization of the dialogue process that the stakeholders participate in the process not for any material benefit but out of motivation and responsibility to express and become better informed about issues being faced in a particular sector for policy reforms. The high ranking level and number of participants was a huge success.

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 PPD. Similarly the counterparts of other UNIDO projects working in Pakistan were also invited in order to develop synergies. High ranking experts from WIPO and UNCTAD (Geneva based) participated in the technical session of the PPD through video conference from ITC in Geneva.

During the technical session panel discussants from the public sector, private sector and academia informed the participants about their respective views of the issues and recommendations to address them in the selected sectors. The Deputy Secretary General of the ECO Secretariat in Tehran provided his views and comments in writing due to technical problems for videoconference participation. Rapporteurs for the session provided summary of proceedings at the end of the session.

The issues discussed during the technical sessions and the recommendations provided by the participants were captured in the form of a short summary. The summary was forwarded to the participants of the PPD for their comments and confirmation or any additional proposal. The PPD was chaired by the former ambassador of Pakistan to the WTO Dr. Manzoor Ahmad.

#### **2.2.2.7 Submission of policy recommendation papers emanating from the two PPDs held in 2011 to the Government**

All the recommendations emanating from the two PPDs, those identified in the research studies and those submitted by the stakeholders in the form of a policy reform recommendation form or as position papers were compiled into two documents after proper formatting and editing. The two documents; one for each PPD, were then submitted to the MOC for consideration and potential implementation through the forthcoming Strategic Trade Policy Framework 2012-15.

After approval of the recommendations contained in the two documents by the PPDS in its meeting held on 7 May 2012, each of the two documents was formally submitted to around 30 policy making organizations at federal and provincial levels so that the recommendations are considered for incorporating into national and regional policies.

#### **2.2.2.8 Meeting of the Public Private Dialogue Steering Committee (PPDSC)**

The second meeting of the PPDSC took place on 07 May 2012. The meeting was co-chaired by DG PITAD and Senior Joint Secretary Ministry of Commerce. The PPDSC reviewed the steps in the PPD consultative process for deriving policy recommendation and endorsed the methodology. The recommendations of the two PPDs were also reviewed and approved for submission to the government.

In a new initiative, the PPDS selected three supervisory committees to steer the process of the next three PPDs. Every supervisory committee consists of three members; one from a relevant Ministry, one from the Federation of Pakistan Chambers of Commerce & Industry (FPCCI) and the DG PITAD to be the chair of all committees.

Three topics were selected for holding three PPDs during 2012. They included:

- How to benefit from improved trade relations with India and full implementation of SAFTA
- Policy reform to enhance competitiveness in the qualified sectors for EU GSP plus scheme in 2014
- Enhancing trade in agriculture and agro based industries

Given the perceived usefulness of the PPD process, the PPDS members wanted to include/suggest more areas for PPDs. Since, the target was to conduct three PPDs in 2012, as such it was decided that a fourth topic for PPD would be selected which would be conducted in first quarter of 2013 to accommodate some of the PPDS members demands.

## **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, three missions of International Experts were launched in SPS and food safety systems. The details of the International Experts that were fielded are as follows:

<b>Name of Expert</b>	<b>Country</b>	<b>Post/Activity Area</b>	<b>Duration (Weeks)</b>	<b>Dates in Field</b>
Ian Goulding	UK/Portugal	SPS-Food Safety	2 weeks	09 - 22 February 2012
Ian Goulding	UK/Portugal	SPS-Food Safety	2 weeks	29 April – 14 May 2012
Andrew Mathieson	UK	PDGC in Food Safety & Control	2 weeks	23 March – 03 April 2012

A brief was prepared to promote the adoption by the Federal Government of Pakistan of a new Bill (National Food Safety, Animal and Plant Health Regulatory Authority Bill) and discussions were held with the Ministry of Commerce, PITAD, Ministry of Food Security and Research, the EU Delegation, US Department of Agriculture and the FAO. This will establish a reform of the SPS management system in Pakistan, in line with the SPS Agreement under the WTO, as well as responding to the institutional changes in the functions of Federal Government in line with the implementation of the 18th Amendment of the Constitution.

The latest developments in relation to sanitary controls for export of fisheries products following the intervention of TRTA II were reviewed and the Competent Authority (Marine Fisheries Department) was advised on finalisation of the dossier to be submitted to FVO and DG SANCO.

An approach for the extension of fish inspection and control to the province of Balochistan (and other Provinces) was developed, to be implemented under the TRTAII project.

Proposal to prepare a Fishery Products Hazards Guide to be published under the TRTAII project (to help strengthen HACCP implementation in the fishery sector) was discussed with the relevant stakeholders.

Support for provision of SOPs for the Punjab Food Safety and Standards Authority (within the frame of the Memorandum of Understanding with the project). During consultations the role of a future Meat and Milk Safety Authority with Livestock Department was discussed and recommendations prepared.

The list of inspection equipment needed for food, fish and meat inspectors was identified and procurement process was initiated.

A number of presentations were delivered on the importance of SPS Control system reform and value addition in horticulture the most significant of which at the DAWN Agri-business Conference on Value Addition in Agriculture, in Karachi (11 February 2012) and Lahore (17 February 2012).

The newly drafted food law prepared by the Ministry of Health Khyber Pakhtunkhwa Province was reviewed, and comments to support effectiveness presented.

A National stakeholder Workshop to contribute towards finalization of the National Food Safety, Animal and Plant Health Regulatory Authority Bill was agreed by Ministry of National Food Security and Research. Workshop date scheduled for 11 June.

Standard operating procedures for food inspection for Punjab Food Authority, control plan and advice on emergency response planning were designed. ToRs were developed for animal health policy, legal and institutional review.

A common approach with FAO to framework for animal health regulation was agreed; round-table with donors & counterpart institutions to be held in the week of 4th June.

Discussions with MFD export controls and EU market. Presently response from DG SANCO, European Commission is awaited.

### 2.3.1.1 Trained individuals in food safety

A 3-day workshop (27-29 March 2012) was held in Lahore with the three universities to finalize the syllabus, book list and visibility/promotional strategy for the proposed Post Graduate Diploma Course in Food Safety and Controls. It was agreed that the course will be launched in September 2012.

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

Name of Expert	Country	Post/Activity Area	Duration (Weeks)	Dates in Field
Kit Chan	Malaysia	Good Agriculture Practices	2 weeks	10-26 February 2012
Kit Chan	Malaysia	Good Agriculture Practices	2.5 weeks	1-18 June 2012

Nine 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	Dates in Field
Shaun Hannah	UK	Benchmarking in Fish processing sector	1 week	20-23 December
Dr. Mike Dillon	UK	Fish Value addition/ Productivity	1 week	30 January- 4 February and 8-10 February
Dr. Mike Dillon	UK	Fish Value Addition/ Productivity	1 week	25-30 April
Rodney Hines	UK	Value added Seafood	20 days	31 January- 13 February
Dr. Mike Dillon	UK	Value Addition/ Productivity		
Professor John Heap	UK	Lean Expert	15 days	30 April – 14 May
Rodney Hines	UK	Value added Seafood	2 weeks	3 June- 12 June

#### 2.3.2.1 Building Capacity of NPO and other related agencies

The sector benchmarking in the fan and the cutlery sector was successfully concluded in December 2012. The reports were finalised and all the comments from the sector and related agencies including NPO were incorporated. The refinements in the Competitiveness Benchmarking System (CBS) software were performed and equipment needs assessment for NPO was conducted. NPO was handed over the

IT equipment on 14 February 2012. The equipment was handed by Ms. Roshan Ara, Development Advisor, EU Delegation to Pakistan to Mr. Khawaja Muhammad Yousaf, Chief Executive Officer of NPO. The equipment was made operational to work on CBS and benchmarking software. A total of six state of the art laptops and one high resolution camera was provided to NPO to facilitate its working in field to collect, capture and analyse quantitative and graphic data.

NPO was further assisted to initiate sector level benchmarking in the Surgical Instruments Sector. PMO staff along with NPO staff met with the Surgical Association and presented the idea of benchmarking and shared the results from the cutlery and the fan sector. It was through these consultative meetings that Surgical association agreed with the overall approach and provided names of pilot companies where benchmarking was initiated. The equipment that was provided to NPO came is extremely useful to conduct data collection in the surgical sector. The data collection was done by NPO and was then later reviewed by the PO Benchmarking and further validated by International Expert in Benchmarking, Mr. Shaun Hannah. Based on the pilot data collected the sector diagnostic questionnaire was developed and finalised and approach to benchmarking in the Surgical Industry was finalised. NPO is now fully geared to replicate the benchmarking in the Surgical Sector.

One of the key recommendations that came out of the sector benchmarking in the fan and the cutlery industry was the implementation of lean manufacturing. The lack of lean was identified as a major productivity lag in fan manufacturing. The idea of lean manufacturing was shared with NPO and the fan sector and a consensus developed to implement lean manufacturing in pilot companies to demonstrate the productivity impact. However, to build sustainable capacity it was agreed that local master trainers will be trained in lean manufacturing. It was also agreed that these trainers whereas should predominantly be coming from or based NPO it was essential to include trainers from TEVTA, TUSDEC and SMEDA.

A three day course on lean manufacturing to train master trainers was developed by Dr. Mike Dillon (International Expert in Value Addition and Productivity), Professor John Heap (International Expert in Lean Manufacturing) and Mr. Usman Khan (Programme Officer Benchmarking & Monitoring). The course was successfully delivered by the three experts in Lahore from 03-05 May 2012. A total of 25 master trainers were trained in lean manufacturing. The list of the individuals trained in provided below:

<b>Sr. No.</b>	<b>Name</b>	<b>Organization</b>
1.	Nisar-ul-Haq Asadi	NPO
2.	Nabeel Afzaal	NPO
3.	Muhammad Hamayun	Haier Group
4.	Muhammad Bashir Tahir	TEVTA
5.	Muhammad Mubeen Puri	NPO
6.	Khurram Waqas Malik	TUSDEC
7.	Fauzan Muhammad	SMEDA

<b>Sr. No.</b>	<b>Name</b>	<b>Organization</b>
8.	Engineer Waheed Piracha	TEVTA
9.	Malik Izhar	Star Co–Fan Industry
10.	Kashif Afzal	NPO
11.	Iftikhar Ali	NPO
12.	Asad Fawad	NPO
13.	Abdul Qayuum	NPO
14.	Aftab Khan	NPO
15.	Adnan Faheem	NPO
16.	Hammad Altaf	NPO
17.	Ali Ahsan	NPO
18.	Sajid Siddiq	NPO
19.	Anwar Hafeez	NPO
20.	Saba Taj Anwar	NPO
21.	Hajrah Qureshi	NPO
22.	Sarfraz Khan	NPO
23.	Muhammad Mubeen Puri	NPO
24.	Muhammad Ali	TUSDEC
25.	Muhammad Kamran	NUST

All the participants were provided with certificates on successful completion of the course. In order to expose the master trainers to the field application of lean, 8 master trainers were selected based on their performance in the course and availability to spend 4 additional days in fan factories in Gujrat. This experience was essential for the newly trained master trainers to apply their learned skills in the field.

### **2.3.2.2 Productivity improvements in the key industrial sectors**

The International Expert in Lean Manufacturing visited all the selected companies in fan and the cutlery sector to finalise the identified interventions through the sector benchmarking process. Through these interventions the first major activity identified was the implementation of lean manufacturing in a pilot company. Khurshid Fan was selected as a pilot model to implement the lean approach. Several meetings were held with the management of the factory to inform them about lean manufacturing and the potential changes that they can make to their factory floor to implement some degree of lean.

In order to implement Lean Manufacturing it was also found necessary that the workers are also trained in basics of lean application. A four day course on lean manufacturing for workers of fan factory was developed by Dr. Mike Dillon (International Expert in Value Addition and Productivity), Professor John Heap (International Expert in Lean Manufacturing) and Mr. Usman Khan (Programme Officer Benchmarking & Monitoring). The course was successfully conducted from 07-10 May and around 60 workers from 4 fan factories were trained. 8 of the master trainers trained in lean manufacturing were also involved in conducting this training course at the factory. All the trainees received certification confirming their completion of the lean manufacturing course.

The training course had both theoretical and practical aspects. Under the practical aspects the lean master trainers and workers worked on various aspects of the production lines and tried to come up with improvements on the factory floor. A total 15 improvements were identified as a result of this activity. The improvements included shortening of goods movement on factory floor, change in paint rods, mechanism for testing at packing stage, improvements suggested in inventory shortage, health and safety improvements and lighting and floor layouts including placement of machinery. These improvements were then presented to the management and their concurrence was taken on things they will implement and the timeline of implementation was agreed. It was also agreed that the master trainers will keep a follow to measure the changes made and impact.

### **2.3.2.3 Industry – Academia Linkage**

Another critical weakness identified in the fan sector as result of benchmarking was the outdated electrical and mechanical techniques. The industry is still using outdated techniques and there has been no active research and development despite the existence of fan Development Institute. UNIDO under the programme introduced the issues of the fan industry with the mechanical department of National University of Science & Technology (NUST). NUST showed its extreme interest to work on the issues of the fan industry. UNIDO has facilitated the meetings between NUST and fan industry and will keep a follow up to trigger positive changes out of this marriage.

### **2.3.2.4 Coordination with other donors in the field**

Centre for promotion of imports from developing countries (CBI) of Netherlands is in process of designing a large scale project addressing the CSR issues in the industrial sectors of Pakistan. Their areas of interest included Surgical and Cutlery Sectors which are also the areas where TRTA II is actively working. PMO had several meeting with CBI and shared its sectoral benchmarking work with CBI and as a result CBI agreed to work jointly with TRTA II on CSR issues in the Surgical and the Cutlery sectors. UNIDO and CBI held joint meetings with surgical association and with cutlery stakeholders to sketch the intervention plan of CBI which will reinforce the interventions of TRTA II in these sectors.

### **2.3.2.5 Upgrading the approach for delivery of vocational and technical skills**

Meetings were held with the higher management of TEVTA Punjab and the concept of benchmarking for skills gaps and the idea of lean manufacturing was presented to them. A concept paper was also prepared for TEVTA to capture a new approach to providing skills training. The approach focused on mechanisms to improve TEVTA's linkage with industry and also on improving the credibility of TEVTA with the private sector so they see TEVTA as a value adding partner. More work will be carried out in finalising the approach with TEVTA.

### **2.3.2.6 Improving competitiveness and productivity of the horticulture sector**

A benchmarking assessment of the kinnow and mango farms and processing units was done by Mr Shaun Hanna, International Expert in benchmarking so as to benchmark points during processing where improvement can be brought about by interventions leading to increased productivity and subsequent increase in profits at the relevant processing plant. The International Expert assessed the farms and pack houses and developed the data collection form for kinnow and mango farms and pack houses. The International expert also developed a diagnostic questionnaire for the kinnow and mango farms.

A meeting for the Development of Manual/Code of Practice and Pilot Implementation in Kinnow Sector was held at Pakistan Horticulture Development and Export Company, Chief Executive Officer PHDEC Mr. Bashir Hussain Chaired the meeting. The meeting was attended by the following Farmers, Exporters, Processors, Certification Bodies Agriculture Department, Government of Punjab, Coordinator Supply Chain Project, Government of Punjab, Star Farms, US AID and ASLP. The meeting participants agreed that TRTA II intervention regarding the development of COPs will address the key issues of Kinnow Supply Chain and as a result there be an increase in trade. A similar meeting was held for mango sector.

Sub-contract arrangements with the Agriculture Department of the Government of Punjab were finalized to involve the relevant research institutes for the development of Code of Practices (COPs) at farm level in Kinnow & Mango sector. In this regard a meeting was held with Secretary Agriculture Punjab to explain the role of Citrus Research Institute (CRI) and Mango Research Station (MRS) for the development of Codes of Practice and obtain his approval.

Contracts were signed with University of Agriculture Faisalabad (UAF) for the development of CoPs at the post harvest level in both kinnow and mango sectors.

International Expert in Good Agriculture Practice Mr. Kit Chan prepared the time bound action plans for UAF, MRS and CRI for the development of COPs. The IE also prepares the format of Milestones and Achievements Report, A Brief Guide in the Organizing and Setting up of a Farmer Field School, Checklist of Farm Operation, Daily Practices Record keeping form, Template Plant Nutrition Analysis, Template for Disease Control Guide.

Separate meetings were held with UAF, CRI and MRS and the draft time bound action plan developed for three institutions was shared with them. All the three institutions agreed to the time bound action plan.

A criteria was developed for selecting Participating Farms and Processing Units in the COP Project. Consultations were held with Kinnow and Mango Growers Associations and Processors for the selection of pilot farms and processing units. Modalities of 4+1 cluster groups with kinnow and mango farmers and the research institutes (CRI & MRS) were finalized. Selection of farms and the Pack House was finalized and contracts were signed with farmers and the Processors/exporters.

The IE in GAP has finalized the modalities of 4+1 cluster groups with kinnow and mango farmers and the research institutes (CRI & MRS), development of the Integrated Pest Management and Integrated Crop Management programs and Advance Warning System for the kinnow and mango farmers is under way.

### **2.3.2.7 Improving compliance and competitiveness in the fisheries sector**

Based on the discussions with UNIDO international experts with various stakeholders it was agreed to use the resources available with the fishery department to both support the development of the master fishermen programme and the delivery of the course along the coast. Further their extension role included the support for vessel maintenance, safety and education.

After a series of in-depth meetings held by international and national experts with fishermen, boat navigational staff, fishermen cooperative society representatives, and representatives of the Government of Balochistan the TRTA II team has finalized a plan with the Fisheries Department, Government of Balochistan for development of the Code Of Practice and its delivery to the 1000 Fishermen of Baluchistan that will enable them to earn more income from their current catches and help reduce their poverty level . The TRTAII programme will be supporting a group of 10 fishery extension staff of Baluchistan Fisheries Department as Master trainers in foreign institution with repute, at Assistant Director level to join the project and support the development of the Code Of Practice (COP) and its delivery to the 1000 Fishermen of Balochistan. The master trainers will be trained, by the September 2012 at the latest, through hand-on training in a country with a coast and aiming at to drive the delivery and piloting of the COP to 1000 fishermen in year. After the training of the fishermen, their income is to be measured for income growth registered through a set of agreed parameters through the following set of activities to be followed under this programme:

- Master trainers would receive wider training programme to enable up gradation to modern systems on small vessels
- Trainers to be trained about registration system for compliant crews and vessels to be considered
- Training group to support the creation of the base code of practice including the review of previous UNIDO Code and current law
- Focus of code is on added value and would include icing, holds, boxes and handling on board vessel
- Master trainers will compulsorily take part in pilot training of fishermen in selected areas of Balochistan
- Each master trainer will be mandated to deliver training programme to 100 fishermen each
- Scope of COP for small and medium vessels to be included

The International Experts and PMO team meetings with Fishermen Educational Society of BabaBhit representatives ended on a consensus for providing training to fishermen of BabaBhit Island based on developed COP's so that their income levels can be increased by adopting new approaches on board during fish catching and handling, particularly, with relation to maintenance of cool chain. This training will be immediately followed after the master trainers return to Pakistan.

A benchmarking assessment was done of the fish processing industry of Pakistan by the international expert on benchmarking so as to benchmark points during processing where improvement can be brought about by interventions leading to increased productivity and subsequent increase in profits at the relevant processing plant. The assessment revealed that the current profile of the processing plants in Pakistan are largely based on product freezing and chilling only and per se there is no processing of the fish into products cooked, semi-cooked, ready to cook or processed fish, hence, at this point in time the benchmarking for enhanced productivity at processing plant level was not possible.

The options for going into value added products for export markets were comprehensively assessed by the International Expert along with the PMO team in consultation with all relevant stakeholders including Fisheries Association. The International expert also provided advice and guidance to the fish processors on specific value added product of their interest along with developing market connectivity for these added value products in international markets including possibilities of joint ventures.

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

Two international expert 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
Richard Collyer	UK	Accreditation of Conformity Assessment Bodies	2 Weeks	10 -25 May 2012
Upali Samarajeewa	Sri Lanka	Laboratory Accreditation	3 weeks	13-23 May 2012

In connection to the operationalization of National Enquiry Point (NEP) TRTA II provided support to PSQCA in the establishment of TBT/National Coordination Committee and Terms of Reference were developed elaborating the role and functions of the said committee.

The First TBT/National Coordination Committee (NCC) meeting was held in PSQCA on 19 December 2012. Twenty three (23) participants from all the agencies responsible for development of regulations in Pakistan attended the meeting with overwhelming participation from Balochistan. The committee decided that all participants from provinces will share their existing and recently proposed regulations with National Enquiry Point so as to harmonize the regulations and avoid duplication of work and address contradictions, if any.

PSQCA staff, MOST representative and TRTA II Programme officer jointly reviewed the progress of the action plan concerning the operationalization of NEP following which detailed report was developed by PSQCA along with the documentary evidence.

International Expert for accreditation of Conformity Assessment Bodies (CABs), Richard Collyer was fielded from 10-25 May 2012 to provide technical advice to Pakistan National Accreditation Council (PNAC) with regards to its operations for the accreditation of inspection and certification bodies and to achieve MLA signatory status with PAC/IAF.

International expert in CABs conducted two one day trainings for the PNAC staff on ISO/IEC 17021 and ISO/IEC 17011 standards in Islamabad. Eight(08) high officials including the Deputy Director General and Director General of PNAC were trained on the above standards.

One day training workshop on ISO/IEC 17021:2011 Standards on 23 May 2012 was organized in Karachi for the staff of PNAC, Inspection bodies and certification bodies operating in Pakistan. 25 participants representing 15 certification/inspection bodies and public sector organizations including PSQCA and NPO were trained on the said standard.

Mock audit including thorough review of documentation of PNAC was carried out by the TRTA II international expert in CABs with the objective to identify the GAPS and to propose mitigating measures to address the Non Conformities in order to prepare PNAC prior to the evaluation of IAF/PAC for MLA planned in July 2012.

TRTA II International expert in CABs and Programme officer also witnessed the two assessment conducted by the PNAC assessors in Karachi for the accreditation of Inspection Bodies. The International Expert in CABs guided and provided advice to the PNAC assessors to improve there inspection capabilities especially with regards to the forth coming evaluation by IAF/PAC for MLA.

TRTA II programme supported the following official from PNAC to attend the Conformity Assessment Workshop for Asian developing economies, Dhaka, Bangladesh, from 1-2 February 2012:

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organisation</b>
1.	Engr. Najamuddin	Deputy Director General	Pakistan National Accreditation Council (PNAC)

A study tour for the following official was organised to attend the IAF-ILAC 2012 Joint Annual Meetings from 28 April to 2nd May 2012 in Germany.

<b>Sr. No</b>	<b>Name</b>	<b>Designation</b>	<b>Organisation</b>
1.	Anjum Bashir	Director General	Pakistan National Accreditation Council (PNAC)

The objectives to support the participation of PNAC officials in the above meetings mentioned in point IX and X are:

- To Achieve MLA signatory status of PNAC with IAF/PAC and sustain MRA signatory status with ILAC/APLAC
- To acquire knowledge and information regarding latest approaches and strategies related to accreditation
- To develop Pakistan's international links within a network of professionals/experts from other accreditation bodies
- Quality and technical documentations of the 24 testing labs and 2 PT labs were reviewed and input was provided
- Readiness of PT lab (NPSL) to go ahead early for accreditation as a testing lab as they have to go through second round in accreditation as a PT provider assessed
- Identification of suitable study tour for beneficiaries in laboratories to receive training abroad.  
Laboratories working under the aegis of the Punjab Food Authority visited and their technical capabilities assessed
- Dioxin, PCB, POP and trace metal testing facilities/capabilities of PCSIR, Karachi assessed with the purpose of providing the MFD the necessary testing services as required by the EU for lifting of ban on fisheries

One International Expert in Quality Infrastructure and three National Experts in Vietnam, Malaysia and Turkey have been fielded to undertake a comparative study on Quality Infrastructure set ups in different countries. The study will offer the basis for a productive discussion at Policy makers' level on the subject during a specific event to be promoted in the next future.

<b>Name of Expert</b>	<b>Country</b>	<b>Post/Activity Area</b>	<b>Duration (Weeks)</b>
Martin Kellermann	South Africa	Quality Infrastructure	4 Weeks
Aziz Manan	Malaysia	Quality Infrastructure	4 Weeks
Le Huong Huong	Vietnam	Quality Infrastructure	4 Weeks
Fezal Akin	Turkey	Quality Infrastructure	4 Weeks

## **2.4 Component 3: Strengthening of the Intellectual Property Rights System**

### **2.4.1 Strengthened IP Institutions**

Two IPO Pakistan officials were selected and enrolled in the LLM course organized by Turin University and WIPO. The course runs from June 2012 to February 2013 and is structured in three parts: distance learning, residential period at Turin and completion of research papers. The following two officials were selected.

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organization</b>
1	Dr. Mohammad Khurram	Director, Legal	IPO Pakistan
2	Mr. Asif Iqbal	Assistant Director	IPO Pakistan

WIPO experts conducted video-conference training sessions with IPO Pakistan during the period December 2011 to May 2012 on the upgraded automation system (WIPO's IPAS Java). The training covered the initial customization, configuration and installation of a test version of IPAS Java as well as business process review and mapping of business procedures for automation. The following two members of the IPO Pakistan IT team followed these training sessions. They, in turn, trained other members of the team and their technical assistants.

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organization</b>
1	Mr. Muhammad Rizwan Khan	Assistant Director IT, Patent Office,	IPO-Pakistan
2	Mr. Abdul Basit	Assistant Director IT, Trade Marks Registry	IPO Pakistan

The Second part of the on-site review of the IT infrastructure of the Intellectual Property Organization (IPO) of Pakistan was undertaken by an international expert in Karachi from 9 to 13 January 2012. The first review, conducted earlier in July 2011, had highlighted the importance of the development of an ICT strategic plan, integration of operations, inter-office connectivity, a consolidated data centre, IT equipment, a core IT team, upgraded technical skills and upgraded internet connectivity. The second review's recommendations focused on the aspects relating to the IPO's technology standards, information security and disaster recovery mechanisms to support online services. These recommendations are expected to be implemented by the IPO to support the modernization project.

An international trademarks expert undertook a mission to the Trade Marks Registry (TMR) in Karachi from 9 to 13 January 2012 to review the trademark administrative procedures against international best practices and provide training to the trademark examiners. The training was tailored for TMR and focused on topics pre-identified by the trademark examiners and on the challenges faced by them (e.g. citation of well known marks, distinctiveness, certification and collective marks, domain names, etc.). The following TMR officials participated in the training:

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organization</b>
1	Mr. Khalid Hidayat	Registrar, Trade Marks Registry	IPO Pakistan
2	Mr. Abdul Qadir Orakzai	Deputy Registrar, Trade Marks Registry	IPO Pakistan
3	Mrs. Khalida Parveen	Assistant Registrar, Trade Marks Registry	IPO Pakistan
4	Mr. Zahid Rasool	Assistant Registrar, Trade Marks Registry	IPO Pakistan
5	Mr. Muhammad Rafiq	Assistant Registrar, Trade Marks Registry	IPO-Pakistan
6	Mr. Aftab Alam	Administrative Officer, Trade Marks Registry	IPO-Pakistan
7	Mr. Muhammad Shafi	Examiner, Trade Marks Registry	IPO-Pakistan
8	Mr. Ashraf Tariq	Examiner, Trade Marks Registry	IPO Pakistan
9	Mr. Akbar Hussain Baluch	Examiner, Trade Marks Registry	IPO Pakistan
10	Mr. Ahmad Din	Examiner, Trade Marks Registry	IPO Pakistan
11	Mr. Tajammul Haider	Examiner, Trade Marks Registry	IPO Pakistan
12	Mr. Qayamuddin	Examiner, Trade Marks Registry	IPO Pakistan

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organization</b>
13	Mr. Mahboob Khan	Sr. IT Assistant, Trade Marks Registry	IPO Pakistan
14	Mr. Sarfaraz Ali Bhutto	Assistant Examiner, Trade Marks Registry	IPO Pakistan
15	Mr. Ghulam Sohail	Assistant Examiner, Trade Marks Registry	IPO Pakistan
16	Mr. Abdul Aleem Khan	Assistant Examiner, Trade Marks Registry	IPO Pakistan
17	Mr. S. M. Saifee	Assistant Examiner, Trade Marks Registry	IPO Pakistan
18	Mrs. Nasreen Akthar	Assistant Examiner, Trade Marks Registry	IPO Pakistan
19	Mr. Tariq Mehmood	Assistant Examiner , Trade Marks Registry	IPO Pakistan
20	Mr. Muhammad Rizwan Khan	Assistant Director IT, Patent Office	IPO Pakistan
21	Mr. Abdul Basit	Assistant Director IT, Trade Marks Registry	IPO Pakistan

An international expert on collective management organizations (CMOs) undertook a mission to Pakistan from 5 to 11 March 2012 (postponed from November 2011). Consultations were held with officials and stakeholders on CMO related initiatives in the country and relevant economic data was collected. The draft report was completed in May 2012 and is currently being reviewed by WIPO.

The first of the three planned technology trainings for IPO Pakistan IT team was conducted from 2 to 6 April 2012. It was focused on System Administration. It covered mainly management, maintenance, trouble-shooting and support of the IT infrastructure components (network, servers, sharing of network printers, PCs and backup/recovery techniques). The training was followed by the following 12 participants.

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organization</b>
1	Mr. Abdul Basit	Assistant Director, TMR	IPO Pakistan
2	Mr. Mehboob Khan	Sr. IT Assistant, TMR	IPO Pakistan
3	Mr. Naeem Khan	Jr. IT Assistant, TMR	IPO Pakistan
4	Mr. Mohammad Nauman Ahmad	Jr. IT Assistant, TMR	IPO Pakistan
5	Mr. Muhammad Rizwan Khan	Assistant Director, Patent Office	IPO Pakistan
6	Mr. Ghulam Mujtaba	Patent Examiner, Patent Office	IPO Pakistan
7	Mr. Muhammad Zubair	Jr. IT Assistant, Patent Office	IPO Pakistan

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organization</b>
8	Mr. Ali Raza	Jr. IT Assistant, Patent Office	IPO Pakistan
9	Mr. Muhammad Jabir Salman	Jr. IT Assistant, Copyright Office	IPO Pakistan
10	Mr. Shamsheer Khan	Jr. IT Assistant, Copyright Office	IPO Pakistan
11	Mr. Kashif Latif Malik	Assistant Director, IPO HQ	IPO Pakistan
12	Mr. Asad Ali	LDC, Regional Office Lahore	IPO Pakistan

The Terms of Reference (TOR) documents for digitization of IP records at IPO Pakistan was prepared and finalized in May 2012. This set of TOR documents contains detail description and specifications of the contractual services required for scanning of paper files, data entry of missing data and validation of IP databases. In addition, the technical specifications of the equipment required for digitization are also included. The tendering process is expected to start in the 3rd quarter 2012.

#### **2.4.2 Strengthened IP Legislation and Policy Framework**

An international expert, together with a national expert, started work in December 2011 to prepare an analytical paper on the possible protection of utility models in Pakistan. The draft paper was completed in April 2012, and is currently being finalized by the experts, taking into account the comments made by WIPO.

A consultation visit was organized by WIPO for 6 Pakistan officials from 30 May 2012 to 1 June 2012 on matters pertaining to the Madrid Protocol on the International Registration of Marks. The participants held discussions with WIPO experts concerning issues of special relevance to Pakistan's accession to the Madrid Protocol, including the steps to be taken to meet the obligations under the Protocol,

and the measures required to fully benefit from it. Travel arrangements were made for 6 officials but 1 official was not able to come, as follows:

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Organization</b>
1	Mr. Sajjad Ahmad	Director General	IPO Pakistan
2	Mr. Zafar Iqbal Chaudhary *** could not come ***	Chairman	LCCI Lahore
3	Mr. Karimullah Adeni	IP Attorney	Ali & Associates
4	Mr. Khalid Hidayat Khan	Registrar, Trade Marks Registry	IPO-Pakistan
5	Mr. Meesaq Arif	Director, Human Resources	IPO-Pakistan
6	Mr. Zahid Rasool	Assistant Registrar, Trade Marks Registry	IPO-Pakistan

### 2.4.3 Improved Enforcement of IPRs

A Study Visit was organized for officials from Pakistan enforcement agencies from 20 to 24 February 2012. The first day (20 February) was at WIPO in Geneva, and the subsequent four days (21 to 24 February) were hosted by the Warrington Borough Council in Manchester, United Kingdom. The program included briefings at WIPO followed by discussions on key enforcement issues (e.g. market surveillance systems, intelligence gathering mechanisms, right-holders perspective and measures to strengthen enforcement training in Pakistan). Though travel arrangements were made for 7 officials, only 4 were able to come for the study visit, as follows:

Sr. No.	Name	Designation	Organization
1	Mr. Muhammad Khalid Qureshi *** could not come ***	Assistant Director General	FIA
2	Mr. Inam Ghani *** could not come ***	Director, Islamabad Zone	FIA
3	Mr. Waseem Ahmad Khan	Additional Director	FIA
4	Mr. Jamil Ahmad Hashmi	Deputy Superintendent Police	Police
5	Mrs. Saadia Muneeb	Deputy Director, Intelligence and Investigation, Lahore	Federal Board of Revenue (FBR)
6	Mr. Naveed Ilahi *** could not come ***	Special Assistant to Chairman	Federal Board of Revenue (FBR)
7	Mr. Umar Dad Afridi	Executive Director	IPO Pakistan

The colloquium for Pakistan judges, planned for February 2012, had to be postponed due to unforeseeable difficulties. Preparations are underway, in consultations with IPO Pakistan and other relevant stakeholders, on organizing the event in September 2012.

### 2.4.4 Increased Use of IP by Business/Research Institutions

As part of inter-component linkages, a WIPO official contributed, via video-conferencing session, to the PPD on Regional Trade that was organized on 21 December 2011 by Component 1 in Islamabad. Discussions were focused on the potential and challenges of improving trade in textile made-ups and light engineering sectors.

An international expert and a national expert were contracted in April 2012 to prepare a paper on branding options, and optimal marketing, of a selected horticultural product (e.g. kinnow) through the use of marks and geographical indications (GIs). It is envisaged that the paper would be completed by November 2012. An initial draft outline has been prepared and a visit to Pakistan, by the international expert, is planned in June 2012. The expert would meet with the stakeholders and relevant authorities to gain a full understanding of the supply chain of kinnow, and the IP instruments that may be relevant in improved marketing of the fruit.

## **2.5 Implementation Monitoring & Impact Assessment**

The quarterly monitoring of the programme continued in efforts led by PITAD. The monitoring reports are presented separately by PITAD at the PSC meeting.

International Expert Professor Spencer Henson has been engaged to design the overall impact assessment scheme for TRAT II. The presentation of the first draft will be made during the fourth PSC meeting.

## **2.6 Donor Coordination**

The PMO worked with PITAD to collect data on activities of donors working in trade related areas. However, MoC requested that this data be updated again as this exercise was done in November 2011. PITAD has newly collected the relevant data for donor coordination. PMO and PITAD have jointly agreed to hold the meeting on 10 July and DG PITAD is following up the case with MoC.

## **2.7 Visibility**

The TRTA II website, since its launch in February 2011 continues to be updated 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

Trade Time, the quarterly Newsletter of TRTA II programme, contains articles and write-ups covering areas such as programme highlights, programme interventions at the policy and field levels, news and views on conferences, workshops and trainings, stakeholders forum, upcoming events, press coverage, etc. During the reported, two issues of Trade Time have been published and total five issues have been produced so far. The Trade Times is regularly distributed to all Pakistani Embassies in the EU Countries.

The PMO has also been proactively engaging the media to publicize TRTA II programme activities and achievements. During the reporting period, five official press releases have been issued, covering the following key events under TRTA II:

- Press release covering the two-day training course on “Trade in Agriculture: Challenges and Opportunities for Pakistan” issued on 06 March 2012
- Press release inputs sent for the “Dawn Agri Conference” held in Lahore on 17 February 2012
- Press release on equipments including data recording devices, laptops, and camera, given to NPO for building further its capacity to conduct performance-based productivity analysis in the industrial sectors such as Fan, Cutlery, Surgical equipments on continuous basis. The press release issued on 14 February 2012
- Press release inputs sent for the “Dawn Agri Conference” held in Karachi on 11 February 2012
- Press release for 2nd Public Private Dialogue on “Regional Trade with ECO Countries in Textile made ups and Light Engineering Sector” issued on 21 December 2011

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 bimonthly SPS e-newsletter. In the reported period, two issues have been released, covering the areas of:

- Survival and distribution of Aflatoxin M1 in processed milk and milk products
- The Code of Practice for Fish and Fishery Products (CAC/RCP 52- 2003) in the context of national fisheries in Pakistan
- TRTA II Programme supports SPS Study tour to the UK and Belgium
- Punjab Pure Food Rules Reviewed
- Food Safety Training
- Risk of methyl mercury associated with seafood consumption
- A Survey of Aflatoxin M1 in Milk and Sweets of Punjab, Pakistan
- MFD is introducing new legislative conditions concerning production, processing and distribution of “Fish Meal, fish oil and other aquatic animal proteins
- EU Food Veterinary Mission to Thailand finds numerous deficiencies
- “Bad Bug Book, Food-borne Pathogenic Microorganisms and Natural Toxins Handbook” (Book review)

In addition to TRTA II website, the Component 1 interventions were regularly posted on the websites of the EU delegation to Pakistan, the ITC Geneva, PITAD and the Switzerland based WTI. Specifically, the news related to the PPDs, trainings conducted for the government officers and the PITAD-WTI joint certificate ceremony held under Component 1 was uploaded on these websites.

A major event during the reported period was the award of joint WTI-PITAD certificate on International Trade Law and Commercial Diplomacy to the 35 STP trainee officers of the Commerce and Trade group of the Civil Services of Pakistan. The certificate was awarded for the WTI-PITAD jointly developed training modules under Component 1. The certificate ceremony was co-chaired by the acting EU ambassador to Pakistan and the Secretary Ministry of Commerce and attended by more than 100 officers from federal government Ministries and departments. A member of the Parliament of Pakistan also attended the ceremony. The ceremony was extensively covered by leading print and electronic media (see below)

A number of articles highlighting TRTA II activities were also featured in the print media. 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 D):

- EU team leader satisfied over TRTA programme
- EU team leader calls for protecting IP rights
- Food safety: curriculum being prepared
- Pakistan's access to EU markets to help strengthen economy: Jamali
- Pakistan's access to EU markets to help strengthen economy: Jamali
- UAF to begin PGD in food safety and control
- Higher education: UAF to start diploma in food safety
- UAF to start food safety diploma
- Boosting Trade Policy in Pakistan (article by Mohammad Owais Khan and published in International Trade Forum)
- Public Private Dialogue on regional integration with ECO countries
- Training course for Government officers on Trade Policy and Agriculture
- 35 Trainee Officers awarded joint PITAD/WTI certificates
- Computer related equipment provided to NPO for its capacity building to analyze Industrial Productivity
- Pakistan Agri Conference: Research imperative for agriculture revolution
- Dawn agri-expo opens
- All set for Pak Agri Expo conference
- Pakistan Agri Conference
- R&D by private sector can revolutionise agriculture
- Govt urged to outsource agri-research programmes

- EU-funded TRTA programme makes satisfactory progress
- Helping hand: EU-funded programme to support businesses TRTA to enhance business activities in country: Afridi
- TRTA progressing effectively
- EU-funded project's progress reviewed

Desk Calendars and Wall Planners were produced and distributed to the TRTA II programme stakeholders during February 2012

The programme maintained compliance with EC guidelines for visibility in all its publicity efforts. The EU logo as well as those of GoP and implementing partners were displayed at conferences and workshops including publications, Newsletters and material produced under the TRTA II programme.

### **3 Key Achievements**

#### **3.1 Component 1: Trade Policy Capacity Building**

##### **3.1.1 Equipment for PITAD procured in December 2011**

In order to enable PITAD to conduct trade related training and research according to international standards; the agreed equipment was procured and provided to PITAD. Advice on the use of equipment was provided where needed.

##### **3.1.2 Second Assessment of Books for PITAD library conducted (2012)**

An assessment of books for providing to PITAD library has been completed in collaboration with WTI, PITAD and ITC. The agreed books are being procured which would be provided to PITAD soon.

##### **3.1.3 Five completed modules upgraded in 2011 accredited by WTI**

During 2011, the collaboration between PITAD selected master trainers and WTI selected mentors resulted into the completion of five training modules. These five modules have been accredited by WTI for a joint WTI-PITAD certificate course on International Trade Law and Commercial Diplomacy”.

A further module has been completed and submitted by Master Trainer which is pending WTI accreditation. After accreditation by WTI this sixth module will become part of the joint certificate as mentioned above.

##### **3.1.4 Master trainers and mentors collaboration along with monitoring mechanism established for 2012**

Seven trade policy areas were selected by PITAD and WTI during the visit of DG PITAD to WTI for module preparation during 2012. Similarly, a document outlining policies and procedures for module development during 2012 were also agreed. A mechanism for weekly progress monitoring for module development was also established and has been implanted to track progress and follow-up if needed.

Seven master trainers were selected by PITAD and partner seven mentors selected by WTI for individually assisted collaboration for module development.

##### **3.1.5 Module outlines approved for 2012 modules**

The collaboration between mentors and master trainers resulted into the completion of seven module outlines which were approved by WTI.

### **3.1.6 Submission of four draft modules for 2012**

Further to course outline development, four draft modules have been submitted for review of the mentors. The remaining modules are expected to be submitted with the month of June.

### **3.1.7 Joint WTI-PITAD Certificate on International Trade Law and Commercial Diplomacy awarded**

The WTI-PITAD jointly developed and WTI accredited modules were delivered to the 35 trainee officers of Commerce and Trade group at PITAD. A joint WTI-PITAD Certificate on International Trade Law and Commercial Diplomacy was awarded to the successful trainees in a ceremony jointly chaired by the Secretary Commerce and the Acting Ambassador of EU to Pakistan.

### **3.1.8 Training on Trade in Agriculture conducted (2012)**

A two days training on Trade in Agriculture was conducted at PITAD with technical support from the WTI on 6-7 March 2012. The master trainer trained under Component 1 delivered the lectures with support from his mentor from WTI through videoconference. 31 officers and researchers were trained on the implications of trade in Agriculture and related SPS regime. It is hoped that they are better placed to contribute to the government policies on Trade in Agriculture after their participation in the training.

### **3.1.9 Second meeting of the PPDSC held**

The second meeting of the PPDSC took place on 07 May 2012 at Islamabad in which the two policy recommendation papers emanating from the two PPDs were approved. Additionally, topics for PPDs during 2012 along with topics for research studies were selected. Supervisory Committees for the PPDs were established.

### **3.1.10 Fourth research study for 2011 completed**

The fourth research study for 2011 was completed after successful international peer review. Three research studies on Trade in Services were completed earlier. All the four studies were finalized, edited and typically designed in preparation for widespread public dissemination. The studies were internationally peer reviewed to ensure quality and relevance. The studies are currently being printed.

### **3.1.11 PPD on Enhancing Exports of Textile Made-ups and Light Engineering Sectors to ECO countries held**

A PPD on Enhancing Exports of Textile Made-ups and Light Engineering sector to ECO countries was held at Islamabad on 21 December 2011. The PPD was attended by more than one hundred stakeholders from the public sector, private sector and civil society. The former ambassador of Pakistan to WTO chaired the PPD. The objective of the PPD was to define policy recommendations to enhance exports to the ECO countries in the identified sectors.

### **3.1.12 Two policy recommendation papers submitted to the Government**

Two policy recommendation papers; one on enhancing Pakistan's exports in Professional, Computer Related and Transport Services and the other on Enhancing Exports of Textile Made-ups and Light Engineering to the ECO countries were submitted to the Government for consideration and potential implementation.

The policy recommendations are based on the recommendations emanating from the two PPDs, recommendations of the research studies and position papers submitted by the stakeholders.

Following the approval of the papers by the PPDSC, the policy recommendation papers were widely circulated to the policy making ministries and departments.

## **3.2 Component 2: Export Development through Improvement of Quality Infrastructure**

### **3.2.1 Component 2.1: Strengthening SPS Management System**

#### **Food Security Bill drafted and linkages developed between provinces and federation**

TRTA II intervention has created significant awareness on SPS issues where very limited knowledge and capacity existed before and has also contributed towards the development of national level legislation and structure. The draft NAPHIS Bill has been further refined and shared with wider set of stakeholders to develop awareness and generate feedback and discussion on the area. Moreover, as a result of TRTA II interventions linkage between work done at the provincial level and at the federal level has been established. TRTA II acts as an important bridge between the two a support that was necessarily required in wake of the 18<sup>th</sup> Amendment.

#### **Post Graduate Diploma course in food security to be launched for the first time in Pakistan at three institutes**

The inception phase of the TRTA II programme also identified that the food inspectors in the country were not properly equipped to conduct their duties. As a result of TRTA II around 200 inspectors will be equipped and this will result in better capacity to monitor implementation of food laws.

There was no robust standard academic/ training course in the country to train food inspectors. In its efforts to establish the overall SPS management system TRTA II realized that it was necessary to have professionally trained food inspectors. As a result of efforts made under the TRTA II programme there now exists complete syllabus and book lists for the Post Graduate Diploma Course in Food Safety and Controls and agreement from three national universities to offer them as standard courses from September 2012.

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

#### **3.2.2.1 Capacity of NPO and other agencies built**

NPO Pakistan was a relatively new entity struggling to make its presence in the public sector and the private sector. The surveys conducted by UNIDO during the inception phase of the TRTA II demonstrated that less than 5 per cent of the firms in fan, cutlery, surgical, sports goods and textile sectors had heard about NPO. Now, only after a year and a half of TRTA II implementation NPO is not only well known among local industrial sectors but is also recognised by various international agencies as a lead productivity organisation in Pakistan.

#### **IT equipment provided to NPO being used in the field**

With the provision of CBS tool and its related IT equipment NPO has further established its role as a key agency to conduct sector benchmarking in Pakistan. This is demonstrated through NPO's replication of sector benchmarking in the surgical sector. The equipment provided under TRTA II is already under effective use.

#### **Master trainers in lean manufacturing provided**

Lean manufacturing is the key to improving productive efficiency on factory floors. NPO and other industry related agencies in Pakistan had no capacity to implement and monitor lean productivity for manufacturing sectors. TRTA II has been able to create this capacity by training and certifying 25 master trainers in the field of lean manufacturing. These trainers will be available to NPO which can use these trainers to run lean manufacturing in any sector in Pakistan. Eight of the 25 trainers trained have already demonstrated their expertise by working in fan factory in Gujrat. NPO can now run further training programmes to train workers, factory owners and employees of related agencies in lean manufacturing. Moreover, this trained pool of master trainers can help NPO implement recommendations that come out of the further sectoral benchmarking work that NPO conducts.

### **3.2.2.2 Productivity improved in the fan sector**

**Fan manufacturing time reduced from 6 days to one day reducing working capital requirement by around Rupees 5 million**

**50% time saving on paint drying process**

**80% time saving on packaging and final testing stage**

The benchmarking study conducted under the TRTA II identified that fan production is held in batches and one model normally takes 6 – 7 days to pack. The current process was that each worker was working on a single process and his entire daily production got shifted to the next process the following day. This implies that at each stage of production stock amounting to the size of the entire batch (varying between 400 – 900) was left over night. And each piece / part of the fan would stay on the floor for seven days. This converts to material worth Rupees 5-6 million left on floor overnight every night. Using a simple lean manufacturing technique TRTA II programme introduced movable trolleys and trained the workers to break down their production batch to 25 pieces. In other words, each worker now works on 25 pieces and shifts the stock ahead. By making this change we were able to completely eliminate the unfinished stock. The piece that gets into processing in the morning is packed as final product by the end of the day. Once widely replicated the above TRTA II intervention can change the entire dynamics and scale of the Pakistani fan industry.

The design modification in the paint section was the other major success achieved. The modification allows the fan motors and rods to be painted and dried simultaneously hence reducing the production time to half and also cutting the heating costs by half. This is again a major achievement under TRTA II.

The packing section was the slowest mover and was dragging down performance in pilot factory where we implemented lean manufacturing. Now, a simple design modification had reduced the packing time by 80% and this process is now better aligned with remaining processes. TRTA II has shown the design specification to the mechanical engineers from NUST university and they will be working on more robust and safe industrial design.

#### **Workers trained in lean manufacturing**

In addition to the above twelve more changes have been identified in the pilot factory, however, they need more time to be implemented. The real success is that most of these changes have identified jointly by the master trainers and the workers that were trained on lean manufacturing under the TRTA II programme. This demonstrates immediate success and impact. The employer has also agreed to increase the wages of the workers that have been certified as lean trained by UNIDO.

### **3.2.2.3 Industry – Academia linkage established**

Six foreign qualified Pakistani engineers for NUST University visited fan industry for the first time in their careers. This represents a big step where researchers have left the university environment and walked towards the factory floor to work on real ground issues. As a result of this first engagement made possible by UNIDO efforts the engineers were able to identify several areas of mutual work and research. NUST has been provided funding by the government of Pakistan to work on industry and they are willing to work with fan industry to improve designs, electrical efficiency and mechanical performance of Pakistan fans. Over the 50 years of the establishment of the fan industry no such linkage has been created for research and development in the fan industry.

### **3.2.2.4 Other Donor activities aligned to support TRTA II initiatives**

CBI of Netherlands has used the data collected through the sectoral benchmarking conducted under the TRTA II interventions. CBI is in process of designing its entire programme based on the UNIDO followed philosophy in sectors and will reinforce the interventions. This demonstrates a unique example where two donors have formally joined hands not only in planning but also in implementation of programmes.

Similarly in horticulture, TRTA II will be a key part in determining the intervention plan of ASLP.

### **3.2.2.5 A more credible mechanism for delivering of technical and vocational skills**

The concept paper developed for TEVTA Punjab seeks to significantly improve service delivery and credibility of TEVTA in providing relevantly trained workforce. This intervention positively comes even earlier than expected and it is likely to have a significant impact on employability of TEVTA graduates.

### **3.2.2.6 Enhanced competitiveness of the Horticulture Sector**

TRTA II interventions have strengthened the technical capacity of the three local institutes CRI, MRS and UAF to work on technical areas related to horticulture by working jointly on the development of COPs. Prior to this intervention no such experience existed at these institutes to work on highly technical issues directly linked up with growers and farmers on the field. The COPs are expected to improve yields and lower costs of production in the Kinnow and the Mango sectors. More importantly these local institutes can conduct similar exercise for other agricultures commodities replicating the skills developed under the TRTA II programme.

### **Documentation on cost of control established**

The other achievement under the TRTA II in horticulture sector is the documentation of real costs of control. Although Pakistan has a huge agro-sector no basic data on how much it costs per harvest to control production (pesticides, irrigation etc) existed. Such data has been collected for the first time under TRTA II for the Kinnow and Mango Sector.

### **3.2.3 Fisheries Value Addition**

An assessment was done in consultation with Fish Processors and other stakeholders to identify potential technologies that can be sustainably introduced for value addition in fish processing sector of Pakistan. Based on the findings of the assessments , feasibility reports are under preparation for tapping opportunities in identified added value areas such as ready-to-eat sardine in soft foils, production of smoked fish and refined fish oils and mobile block freezing etc.

### **Training plan for a 1000 fisherman finalised**

The process of identifying a reputable international institute to build capacity of the Fisheries Department Balochistan for providing training to their extension officials as master trainers is in active progress. These master trainers will train at least 1000 poor fishermen and navigational crew of boats on following of developed Code of Practices for improved handling of fish on board that in turn will help them in improving their income.

### **3.2.4 Component 2.3: Improved Compliance of Export Products with Market Requirement**

#### **National Enquiry Point for exports close to being operational**

TRTA II is supporting PSQCA to operationalise the National Enquiry Point. TRTA II programme has been able to assist PSQCA to convene the first National Coordination Committee Meeting. This meeting brought together stakeholders from all four provinces. Once the NEP is established PSQCA will be able to act as a focal point and one stop shop on all information relating to standards requirements of international markets buyers. Manufacturers, exporters and other stakeholders in Pakistan as well as importers outside Pakistan will have easy access to quality and standard requirements of their export markets through one window at PSQCA. This availability of information readily and clearly will assist manufacturer's better meet standards and enhance their exports.

## **Pakistan will able to certify and accredit its laboratories, testing and inspection services**

Presently, inspection and certification bodies in Pakistan need to be accredited through international agencies such as UKAS, NATA, Norwegian Accreditation body etc. This is not only expensive but also takes more time to get accreditation. PNAC, the Pakistan agency is not recognised as internationally acceptable accreditation body for certification and inspection agencies. Hence, the TRTA II has been working with PNAC where their senior and relevant officers have been trained in ISO/IEC 17021 and ISO/IEC 17011. Moreover, PNAC has been evaluated through mock audit and gap analysis by international expert in Accreditation on its capacity to meet the requirements on achieving the MLA signatory status with PAC/IAF. Once PNAC receives the MLA status it will be able to accredit inspection and certification bodies.

### **6 Metrology laboratories of NPSL accredited by PNAC**

The Metrology Laboratories of NPSL were assessed by PNAC in October 2011 and after closure of the non-conformities that were raised by both technical and lead assessors, PNAC accredited NPSL metrology laboratories for the following 6 parameters through TRTA II support:

- Mass
- Temperature
- Pressure
- Volume
- Length & Dimension
- Electrical quantities

### **NPSL achieves MRA Status**

NPSL signed MRA with BIPM/CIPM through continued support of TRTA II programme. This has resulted in NPSL being internationally recognized as the NMI (National Metrology Institute) of Pakistan and as such can participate in all activities befitting such an NMI, such as:

- Inter-laboratory comparisons of their results with other NMIs
- Posting of their results of key comparisons on the BIPM/CIPM website.(What will this result in)

MoUs with laboratories signed with the following labs:

- NRLPD (2 labs)
- HVSC ( 2 labs)
- PCSIR labs (5 in Lahore + 2 in Peshawar)

Accreditation plan for each laboratory elaborated and agreed upon with the respective laboratory.

A minimum of 5 testing laboratories (PCSIR Lahore) have been identified for the potential of achieving PNAC accreditation by December 2012.

### **3.3 Component 3: Strengthening of the Intellectual Property Rights System**

#### **3.3.1 Strengthened IP Institutions**

##### **Two IPO officers admitted to the LLM course at Turin**

The LLM course for 2 IPO officials would help them acquire a deeper understanding of IP law. This would strengthen IPO's capacity to analyse legal IP issues, and facilitate improved inputs (papers, policy briefs, comments) on specific IP law questions.

##### **Business process automation introduced at IPO**

The initial training on the upgraded automation system, IPAS Java, has enabled the IPO IT team to map the business processes for automation and establish a test system to become familiar with advanced features of the system. This, along with further planned trainings, would facilitate the smooth customization, deployment and rollout of the IPAS Java system at the IPO Patent Office and the Trade Marks Registry planned for 4th quarter of 2012.

##### **IT infrastructure being improved at IPO**

Following recommendations from the IT infrastructure review, IPO is now working on locating its 3 separate registries into a single building in Karachi and establishing a consolidated data centre. This would be a major progress in the integration and management of the registries operations and also facilitate the digitization and automation system upgrade activities. These positive changes would, in turn, contribute to improved, more efficient, services to the users of the IP system.

##### **Trademark process and procedures strengthened**

Streamlining of trademark procedures was facilitated by the review conducted by the international trademark expert. Implementation of the expert's recommendations would speed up the processing time of trademark applications.

Training of trademark examiners has strengthened the Trade Marks Registry's capacity to improve the quality of search and substantial examination of trademark applications.

The System Administration technology trainings would contribute to improving the technical skills and expertise of the IPO IT team and their technical support staff to support the upgraded systems and services that are being implemented under the TRTA II Program.

With the tendering process for digitization of IP records underway, the digitization work is expected to start by 4th quarter 2012. In preparation, IPO has started to review its IP files to remove the inactive records (e.g. abandoned, expired, etc.) that have been pending action for some time. This important exercise would reduce the IP processing backlog.

The CMO study conducted by the international expert would contribute to measures that may be taken by the government to strengthen the music industry in the country, especially through distribution of royalties to rights owners.

### **3.3.2 Strengthened IP Legislation & Policy Framework**

The analytical paper on utility model protection contributes to a better understanding of the legal and economic issues involved in utility model protection, and reasons for and against introducing utility model protection in Pakistan. The study indicates that a tailored utility model system may potentially be useful for facilitating incremental innovation in Pakistan.

The IPO, and the IP attorneys, are better informed on issues involved in acceding to the Madrid Protocol, and the corresponding legislative and administrative requirements for its implementation. Following the Prime Minister's recent directive on accession to the Madrid Protocol, given on the IP Day on 26 April 2012, good progress can be expected on this matter.

### **3.3.3 Improved Enforcement of IPRs**

The study visit of enforcement officials has equipped them with greater knowledge of enforcement issues. They could now be able to take the lead on developing training programs on IP enforcement in their respective organizations.

### **3.3.4 Increased Use of IP by Business and Research Institutions**

Participation of the WIPO official in the Public Private Dialogue (PPD) on regional trade contributed to a better understanding of IP issues involved in improving trade in textile made-ups and light engineering sectors.

As a result of the paper on branding options for kinnow, it is expected that a more systematic marketing strategy for kinnows, that is based on an appropriate use of IP instruments, i.e. various marks and/or GIs, is eventually put in place.

## **4 Difficulties Encountered & Measures Taken to Overcome Problems**

### **4.1 Component 1: Trade Policy Capacity Building**

There was a delay in the holding of PPDS meeting to select topics for PPDs and policy research studies due to the transfer of DG PITAD. Hiring of research consultants has been fast tracked following the selection of topics in the second PPDS meeting to minimize the impact of delay.

Protracted delay in the release of second tranche payment is a serious threat for the seamless implementation of Component 1. . ITC has mitigated the impact as much as possible through a careful management so as to ensure seamless implementation of the activities. However, we hope that the tranche payment would be released soon.

### **4.2 Component 2: Export Development through Improvement of Quality Infrastructure**

#### **4.2.1 Component 2.1: Strengthening SPS Management System**

Following the implementation of the Devolution Plan, NAPHIS has been transferred to different ministries twice to now finally be placed in the Ministry of National Food Security & Research (May 2012). This has lead to the delay in presenting the Food Safety Bill as Ministerial ownership was lacking.

To resolve the above issues three meetings were held with the top bureaucrats at the Ministry of Food Security (Secretary, Senior Joint Secretary & Joint Secretary) to discuss the TRTA II and create an awareness of this initiative taken by NAPHIS with the help of the TRTA II programme to draft a Bill for the establishment of a federal authority responsible for SPS policy and food safety.

Ministry of Food Security was very receptive to proposed initiative and has now taken the lead to initiate the a procedure to table the Bill first of all to all concerned stakeholders through a consultative workshop on 11 June 2012, get written feedback by 18 June, make any changes in the Bill (if necessary) to accommodate the comments received and then to table it at the Council of Common Interest (CCI) for approval. CCI meets once every 90 days.

TRTA II programme will continue to support NAPHIS & the Ministry to ensure timelines are respected.

#### **4.2.2 Improved Quality, Value addition and Compliance in Fishery, Horticulture & Industrial Sectors**

##### Data availability and access for benchmarking

The progress by NPO in replicating the benchmarking work in the surgical sector was slow as the sector was not open to share data or allowing access to factory floors. Several meetings were held by PMO and NPO to better explain to the sector the

purpose of the exercise and its benefit. Through strong engagement with the surgical association some pilot companies could be identified which allowed full access to data and factory floors. The work has been carried smoothly after that.

Farmers, exporters and the owners of fruit processing units do not maintain the records of inputs/expenses and those who have some records, they hesitate to share. This creates a challenges in terms of benchmarking. TRTA continue the dialogic with them and complements by filling data gaps through self collection and sampling of data.

#### Contracting of local institutions for COP development

Belated response from the local institutes caused delay in the finalization of subcontracts for developing the COPs for Kinnow and Mango Sectors. Several meetings were held with senior officials in the Punjab Government and all the contractual issues resolved.

#### Commitment of government authorities for Korangi business park development

Discussions have been held with the Ministry on their commitment to take-up recommendations of an envisaged TRTA financed feasibility study, in particular the readiness of the government to finance needed upgradation of landing jetties as a pre-requisite for the business park development.

This is causing delay in start of the feasibility study and award of subcontracts to the already selected firm.

#### Development of Baba Bhit

At Baba Bhit island, TRTA II has earmarked technical assistance to the Baba Bhit Fishermen Educational Society (BES) for the development of pilot landing sites through provision of designs and expert services during construction phase along with a business plan for its viable operations. However, it appears that the BES does not have anymore the financial capacity for the investment on infrastructure development. The technical assistance related to this activity could therefore not be initiated. A decision should be made with the stakeholder on whether to maintain this activity of a feasibility study (and under which conditions) or not, and/or to shift this possible support to another area.

### **4.2.3 Improved Compliance of Export Products with Market Requirement**

Identification of appropriate and competent International Experts in the field of Accreditation, willing to travel to Pakistan was a major difficulty encountered.

Business plans for all the labs have been developed. However, some labs could not yet implement them due to the government/departmental policy and procedures prescribing that some labs do not charge for their services..

The programme is about to launch a National Quality Forum (last quarter 2012) which also will sensitize government and policy makers on issues of sustainability of laboratories through business plans and pricing of services.

### **4.3 Component 3: Strengthening of the Intellectual Property Rights System**

There have been changes in some key personnel of IPO Pakistan, especially of the IT staff, which can impact negatively on the major automation initiatives being undertaken at the IP Registries in Karachi. WIPO is closely consulting with IPO Pakistan to ensure the availability of the personnel necessary for full and effective implementation of TRTA II activities.

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.

It is still increasingly difficult to find international IP experts to undertake missions to Pakistan even though security clearance could be obtained for them. Knowing the security situation in Pakistan before hand, only a limited number of expert missions were planned to be fielded to Pakistan. Even amongst these, only a few may be organized in Pakistan, while the rest may be substituted by some activities (e.g. study visits, training) to be carried outside Pakistan or through the use of video-conferencing sessions.

### **4.4 Donor Coordination**

Several attempts were undertaken to organize a local donor coordination chaired by the Ministry of Commerce. For a variety of reasons, the initial meeting has not yet taken place.

MoC/PITAD in cooperation with TRTA/PMO have however completed the needed analytical work including a detailed donor intervention mapping. A date for the initial kick-off meeting has now been identified by MoC/PITAD for the 10 July 2012.

## **5 Changes in Implementation**

There have been no changes in implementation under any of the components during the reported period.

## **6 Important Next Steps**

### **6.1 Component 1: Trade Policy Capacity Building**

Completion of training modules for PITAD through active collaboration between the mentors and masters trainers will be ensured.

Three weeks training for the master trainers will be conducted at WTI Bern during August-September 2012 in order for the Master Trainers to learn pedagogical methods and module delivery.

The WTI accredited modules will be delivered to the next batch of STP trainees at PITAD and a WTI-PITAD Joint Certificate will be issued to the successful participants.

One training course for government officers will be conducted at PITAD.

Selection of Research Consultants to undertake policy research studies to feed into the three PPDs scheduled for 2012. The completed policy papers will be internationally peer reviewed to ensure quality and relevance.

Three PPDs will be conducted on the three identified topics for the PPDs during 2012.

### **6.2 Component 2: Export Development through Improvement of Quality Infrastructure**

#### **6.2.1 Component 2.1: Strengthening SPS Management System**

A wide stakeholder based seminar will be held on 11 June 2012 to disseminate the NAPHS Bill. A future course of action is expected to be agreed upon during this seminar.

The first batch of students attending the post graduate diploma in food safety will be initiated by all the three institutes in September 2012. Technical support will be provided continuously to ensure smooth execution of these courses.

### **6.2.2 Component 2.2: Improved Quality, Value addition and Compliance in Fishery, Horticulture & Industrial Sectors**

The recommendations made to fan factories to implement lean manufacturing will have to be continuously monitored and impacts measured. This will involve ongoing visits to field. The training on lean for workers in the fan industry will be replicated in other units as well.

TRTA II team needs to follow-up with CRI, MRS and UAF for the development of COPs.

The UNIDO/TRTA II should field an independent international expert to review the development of CoPs

Coordinate with ASLP to jointly hold the annual kinnow and mango conferences in Pakistan.

The alternate strategy needs to be worked out for the activities related to the development of pilot landing sites.

The finalization of the modalities for the training abroad of master trainers of department of Fisheries for fishermen of Balochistan in terms of COPs and its application for the improvement of catch quality which intern will enhance the income of the poors

The development of working papers and its implementation for the value added option identified based the interest shown by the private sector in fish processing sector. Subsequently, the technical assistance would be provided to the selected fish processors for implementation of said options.

The conduct of pre-feasibility study for the development of Korangi as business park and landing site subject to the approval of Ministry of Ports and shipping.

### **6.2.3 Component 2.3: Improved Compliance of Export Products with Market Requirement**

Trainings programme for the staff of national Enquiry Point of PSQCA are planned and going to be organized.

The certified assessor training programme for ISO 17021-2011 to develop the pool of assessors for PNAC for the accreditation of certification and inspection bodies in Pakistan will be organized.

International expert in Conformity Assessment Bodies to advice PNAC will be field in order to address the Non conformities raised in evaluation of IAF/PAC planned in July 2012 to achieve the MLA signatory status with IAF for accreditation of Certification Bodies and Inspection Agencies.

A National Quality Forum will be held in Autumn, to sensitize on Quality Infrastructure issues at Policy maker level, in order to develop a long term national Strategy for sustainability of QI in Pakistan.

### **6.3 Component 3: Strengthening of the Intellectual Property Rights System**

A study visit on IP programs for businesses, in particular, Small and Medium Enterprises (SMEs), will be held in June 2012.

A workshop is planned in Islamabad in June/July 2012 time-period on results based management for the administration and finance officials of the IPO.

The next phase of training on IPAS Java system is planned to take place at WIPO in Geneva in the 3rd quarter 2012.

The tendering process for digitization of IP records is to be initiated in the 3rd quarter 2012.

A consultation visit on accession to the Patent Cooperation Treaty (PCT) is planned at WIPO in the 3rd quarter 2012.

A colloquium for judges is planned in September 2012 on issues pertaining to the enforcement of IPRs.

Consultations are in progress with PITAD on the list of IP reference material that may be useful for its library.

## **7 Summary of Achievements against Results Aimed and OVI's**

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

## **8 Work Plan**

Work plan for all three components for 2012 is provided at Annex II.

## Annex I: Press Coverage and Visibility Links of TRTA II Activities

- EU advises Pakistan to enhance trade with ECO states (Business Recorder, 22 December, 2011): <http://www.brecorder.com/top-stories/single/595/0/1263326/>
- Pakistan should focus on regional trade (The Nation, 22 December, 2011); <http://www.nation.com.pk/pakistan-news-newspaper-daily-english-online/business/22-Dec-2011/pakistan-should-focus-on-regional-trade>
- Trade with ECO countries to boost economy: PPD (Pakistan Observer, 22 December, 2011)
- EU supports training course for Pakistani officials (Pakistan Observer, March 7, 2012); <http://epaper.pakobserver.net/201203/07/economywatch.php#>
- EU supports training course for Pak officials in Trade in Agriculture (Pakistan Today, March 7, 2012); <http://www.pakistantoday.com.pk/2012/03/eu-supports-training-of-pak-officials-in-trade-in-agriculture/>
- EU supports training course for Pakistani officials (Business News Pakistan, March 6, 2012); <http://pakobserver.net/201203/07/detailnews.asp?id=143860>
- EU wants to support through trade, says ambassador (Daily Times, March 29, 2012); [http://www.dailytimes.com.pk/default.asp?page=2012\03\29\story\\_29-3-2012\\_pg5\\_4](http://www.dailytimes.com.pk/default.asp?page=2012\03\29\story_29-3-2012_pg5_4)
- EU wants to help Pakistan through trade not aid: EU Ambassador (Business Recorder, 28 March 2012); <http://www.brecorder.com/pakistan/business-a-economy/50977-eu-wants-to-help-pakistan-through-trade-not-aid-eu-ambassador-.html>
- EU wants to help Pakistan through trade not aid: envoy (Business Recorder, 29 March 2012) <http://www.brecorder.com/business-a-economy/189/1170028/>
- EU wants to help Pakistan through trade not aid: EU Ambassador (Associated Press Pakistan, 28 March 2012)
- [http://app.com.pk/en/index.php?option=com\\_content&task=view&id=187119&Itemid=2](http://app.com.pk/en/index.php?option=com_content&task=view&id=187119&Itemid=2)
- Trade officers get certificate under EU funded programme (Online international news network)
- <http://www.onlinenews.com.pk/details.php?id=190792>
- Coverage in: Nawa-i-Waqt (Urdu) of PITAD prize giving (29. March 2012) <http://www.nawaiwaqt.com.pk/E-Paper/Islamabad/2012-03-29/page-7;>  
<http://www.nawaiwaqt.com.pk/E-Paper/Islamabad/2012-03-29/page-7/detail-21>
- Commerce and trade group trainee officers awarded internationally recognized training certificate under EU funded (Press Information Department, Government of Pakistan, 28 March, 2012); <http://pid.gov.pk/press28-03-2012.htm>
- Commerce, trade group trainee officers awarded training certificates under EU funded TRTA II Programme (One Pakistan News);
- <http://pakistan.onepakistan.com/news/city/islamabad/68327-commerce-trade-group-trainee-officers-awarded-training-certificates-under-eu-funded-trta-ii-programme.html>
- Commerce, trade group trainee officers awarded training certificates under EU funded TRTA II Programme (Official.News.pk, 29 March, 2012); <http://www.officialnews.pk/press-information-department/21062>
- EU wants to support through trade, says Ambassador (Time Value Enterprises, Mar 29, 2012); <http://www.realestatetimevalue.com/content/news-updates/4005/eu-wants-to-support-through-trade--says-ambassador>

- EU team leader satisfied over TRTA programme (Daily Times, 3 February 2012,) [http://www.dailytimes.com.pk/default.asp?page=2012\02\03\story\\_3-2-2012\\_pg5\\_9](http://www.dailytimes.com.pk/default.asp?page=2012\02\03\story_3-2-2012_pg5_9)
- EU team leader calls for protecting IP rights (Pakistan Today, 3 February 2012) <http://www.pakistantoday.com.pk/2012/02/eu-team-leader-calls-for-protecting-ip-rights/>
- Pakistan's access to EU markets to help strengthen economy: Jamali (APP, 4 February 2012) [http://app.com.pk/en\\_/index.php?option=com\\_content&task=view&id=177961&Itemid=2](http://app.com.pk/en_/index.php?option=com_content&task=view&id=177961&Itemid=2)
- Pakistan's access to EU markets to help strengthen economy: Jamali (Business Recorder, 4 February 2012) <http://www.brecorder.com/business-economy/single/672/189/1150753/>
- All set for Pak Agri Expo conference ( Daily Times, 11 February 2012) [http://www.dailytimes.com.pk/default.asp?page=2012\02\11\story\\_11-2-2012\\_pg10\\_4](http://www.dailytimes.com.pk/default.asp?page=2012\02\11\story_11-2-2012_pg10_4)
- R&D by private sector can revolutionise agriculture (Pakistan Observer, 12 February 2012) <http://pakobserver.net/detailnews.asp?id=139872>
- Govt urged to outsource agri-research programmes (The News, 12 February 2012) <http://www.thenews.com.pk/TodaysPrintDetail.aspx?ID=92248&Cat=3> Pakistan Agri Conference (Pakistan & Gulf Economist, 13-19 Feb 2012) <http://www.pakistaneconomist.com/page/pre-issu.asp>
- <http://dawn.com/2012/02/18/dawn-agri-expo-opens-2/> (Dawn, 18 February 2012)
- Computer related equipment provided to NPO for its capacity building to analyze Industrial Productivity (Daily Time, 15 February 2012) [http://www.dailytimes.com.pk/default.asp?page=2012\02\15\story\\_15-2-2012\\_pg5\\_10](http://www.dailytimes.com.pk/default.asp?page=2012\02\15\story_15-2-2012_pg5_10)
- Food safety: curriculum being prepared (Business Recorder, 19 Febraury 2012) <http://www.brecorder.com/general-news/172/1156844/>
- UAF to begin PGD in food safety and control (Business Recorder, 3 May 2012) <http://www.brecorder.com/general-news/172/1185009/>
- Higher education: UAF to start diploma in food safety (Express Tribune, 3 May 2012) <http://tribune.com.pk/story/373250/higher-education-uaf-to-start-diploma-in-food-safety/>
- UAF to start food safety diploma (The News, 3 May 2012) <http://www.thenews.com.pk/Todays-News-2-106287-FAISALABAD-City-News>
- EU-funded TRTA programme makes satisfactory progress (Daily Times, 6 December 2012) [http://www.dailytimes.com.pk/default.asp?page=2011\12\06\story\\_6-12-2011\\_pg5\\_4](http://www.dailytimes.com.pk/default.asp?page=2011\12\06\story_6-12-2011_pg5_4)
- Helping hand: EU-funded programme to support businesses (Express Tribune, 6 December 2012) <http://tribune.com.pk/story/302662/helping-hand-eu-funded-programme-to-support-businesses/>
- TRTA to enhance business activities in country: Afridi businesses (ONLINE News Network, 6 December 2012) <http://www.onlinenews.com.pk/details.php?id=186699>
- TRTA progressing effectively businesses (Pakistan Observer, 6 December 2012) <http://pakobserver.net/detailnews.asp?id=128862>
- EU-funded project's progress reviewed businesses (The News, 6 December 2012) <http://www.thenews.com.pk/TodaysPrintDetail.aspx?ID=80989&Cat=3>

**Annex II: 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
<p><b>1. Coherent trade policy and regulatory reform for export competitiveness</b></p> <p>1.1 PITAD's institutional capacity strengthened</p>	<p><b>PITAD's technical materials and publications assessed and procurement made of items required to carry out high-level research, analysis and training by 2011</b></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
1.2 PITAD's and other research institutes' expertise on trade policy strengthened	<p><b>Twining arrangement signed with international training institution (MOU signed by 2012)</b></p> <p><b>6 trainers and researchers trained by 2011; a further 6 researchers and trainers trained by 2012 (two batches, 12 in total)</b></p> <p><b>PITAD modules and trade policy research projects (6) are carried out and completed by 2013 and assessed to be of a high standard.</b></p>	<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>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</p>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	<b>Achievements made</b> Inception – 31 March 2011 1 April 2011 – 30 November 2011 <b>1 December 2011 – 30 May 2012</b>
		<p>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> <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</p>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	<b>Achievements made</b> <b>Inception – 31 March 2011</b> <b>1 April 2011 – 30 November 2011</b> <b>1 December 2011 – 30 May 2012</b>
		<p>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> <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 finalised 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 twining arrangement is being carried out.</p>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	<b>Achievements made</b> <b>Inception – 31 March 2011</b> <b>1 April 2011 – 30 November 2011</b> <b>1 December 2011 – 30 May 2012</b>
		<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 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>

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
1.3 Government officers' capacity on specific trade policy and international trade negotiations strengthened	<b>6 short trainings are conducted with government officers successfully completing training</b>	<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 officers.</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</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
		<p>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 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</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
1.4 Research studies contributing to the development of a national export strategy conducted	<b>At least 15 research papers that feed into public-private dialogue are produced by 2014 and are approved through peer review mechanism</b>	<p>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> <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>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	<b>Achievements made</b> Inception – 31 March 2011 1 April 2011 – 30 November 2011 <b>1 December 2011 – 30 May 2012</b>
		<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> <p>5 research studies have been completed and 4 have been approved and printed following international peer review</p> <p>The PPDSC selected five more research studies to be conducted during 2012</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>

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
1.5 Public-private dialogue for a coherent national export strategy is fostered	<p><b>A core group of key stakeholders constituted to develop a national export strategy by 2012</b></p> <p><b>Approximately 10 PPDs are held by 2014</b></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> <p>Orientation on Component 1 vision of PPD process given to PPDSC.</p> <p>Executive Committee (EC) of PPDSC 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 PPDSC which is the</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
		<p>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 PPDSM meeting was held. Policy recommendations stemming from the 2011 two PPD consultative processes were formally approved and submitted to the Government of Pakistan for 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>

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
<p><b>2. Improved compliance of exported products with export market requirements</b></p> <p>2.1 Strengthened SPS controls</p>	<p><b>Controls on exports of fishery products “at least equivalent” to EC by 2012</b>  <b>No. of EU RASFF alerts for products of plant origin/year reduced to &lt;10/year by 2014</b></p>	<p><b>2.1: To achieve the OVIs, the following progress has been achieved:</b></p> <ul style="list-style-type: none"> <li>- National consensus achieved to establish a National Food Safety, Animal Health and Plant Health Authority NAPHIS Bill has been re-drafted</li> <li>- Three local universities identified for establishing training institutes for food inspectors</li> <li>- Technical input provided in establishing Punjab Food safety Authority</li> <li>- Further refinements were made to NAPHIS Bill and the proposed organisation structure. The Bill is now ready for presentation to Cabinet for approval.</li> <li>- 10 participants from fish processing plants were trained in HACCAP and traceability</li> </ul>

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
2.2 Improved quality, value addition and compliance in fishery, horticulture and industrial sectors	<p><b>10 additional fishery establishments compliant with EC market requirements by 2014</b></p> <p><b>Value of fishery/horticulture products at first sale increased by 5% in real terms by 2014</b></p> <p><b>40 fishery/horticulture/fans/cutlery enterprises certified to quality, environment, food safety, GAP, CSR management systems including CE marking by 2014</b></p>	<p>systems, 28 participants from the Marine Fisheries Department and Karachi Fishery Harbour Authority trained in hygiene controls along the supply chain</p> <ul style="list-style-type: none"> <li>- Study tour to US comprising 1 delegate was conducted on SPS</li> <li>- Study tour to UK and Brussels on SPS issues comprising 10 delegates from relevant ministries and agencies was conducted</li> <li>- MOU's for partnership between TRTA II and three local institutions were finalised to develop local capacity to offer post graduate training courses in SPS</li> <li>- Further refinement of the NAPHIS bill and structure has been completed</li> <li>- Wide stakeholder consultative session on NAPHIS Bill held on 9 June 2012</li> </ul>

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
		<ul style="list-style-type: none"> <li>- Courses for food safety inspectors designed and book lists identified</li> <li>- The post graduate diploma will be launched in September 2012.</li> <li>- Dossier to resume fish exports to EU sent to DG SANCO</li> </ul> <p><b>2.2: To achieve the OVIs, the following progress has been achieved:</b></p> <ul style="list-style-type: none"> <li>- NPO signed MOU with WNPO and WCPS</li> <li>- Five NPO staff trained in Benchmarking</li> <li>- Sector level benchmarking tool and questionnaire, and overall effective efficiency (OEE) tool and questionnaire for fan and the cutlery sectors developed and pretested</li> <li>- Data collection in progress in fan and cutlery sectors</li> <li>- Strategic plan finalized for MFD</li> </ul>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	<b>Achievements made</b> Inception – 31 March 2011 1 April 2011 – 30 November 2011 <b>1 December 2011 – 30 May 2012</b>
		<ul style="list-style-type: none"> <li>to assist them in lifting EU Ban</li> <li>- Horticulture round table, attended by 20 key stakeholders, conducted in Lahore to discuss way forward on development and application of PakGAP</li> <li>- Cost of control survey in horticulture developed and pretested in the field</li> <li>- TORs developed and proposals received for development of Code of Practices (COPs) in horticulture</li>   <li>- Competitiveness Benchmarking System (CBS) tool developed and launched.</li> <li>- 10 Staff of NPO trained in CBS Tool and software installed at NPO</li> <li>- CBS and benchmarking data collected in fan and the cutlery sector</li> <li>- 3 NPO staff trained in CBS data collection in field from factory floor</li> </ul>

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
2.3 Improved conformity assessment infrastructure and services	<b>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</b>	<ul style="list-style-type: none"> <li>- 2 Benchmarking reports produced for cutlery and fan sector</li> <li>- 21 firm level intervention reports produced to improve value addition and productivity</li> <li>- The CBS has also been launched in the Surgical Instruments Industry</li> <li>- TRTA II fully supported NPO in conducting productivity congress in collaboration with APO (17-18 November)</li> <li>- Five fellowship awards were presented to five individuals from Pakistan by World Academy of Productivity Sciences (WAPS) arranged under TRTA II programme.</li> <li>- PC-1 for PakistanGap has been revised and submitted for approval to Ministry of Commerce.</li> <li>- Three Local technical institutions in Multan, Faisalabad and Sargodha have been selected and</li> </ul>

Results Aimed (Logical Framework)	Objectively Verifiable Indicators (OVIs)	<b>Achievements made</b> Inception – 31 March 2011 1 April 2011 – 30 November 2011 <b>1 December 2011 – 30 May 2012</b>
		<p>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 the said sector.</p> <ul style="list-style-type: none"> <li>- Organized horticulture stakeholders round table meetings in collaboration with PHDEC which endorsed the approach and frame work presented for the development of COPs.</li> <li>- 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</li> </ul>

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
		<p>operationalization of said harbour.</p> <ul style="list-style-type: none"> <li>- Sectoral Benchmarking for Surgical Sector initiated by NPO supported by TRTA II</li> <li>- 25 master trainers in lean manufacturing trained from NPO, TEVTA, TUSDEC, NUST and fan sector</li> <li>- Over 50 workers in fan industry trained on lean manufacturing</li> <li>- Significant productivity impacts realised 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%.</li> <li>- COP development is in progress for Kinnow and Mango</li> <li>- Strategy to train 1000 fishermen has been developed</li> </ul>

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
		<p><b>2.3: To achieve the OVIs, the following progress has been achieved:</b></p> <ul style="list-style-type: none"> <li>- Assessment of 34 testing and calibration labs conducted and 24 testing plus 6 metrology laboratories selected for accreditation under TRTA II</li> <li>- 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</li> <li>- Mock audit of mass metrology laboratory conducted and gaps identified to achieve accreditation</li> <li>- 67 staff from 30 laboratories trained in development of business plans (BPs) for laboratories and draft BPs produced</li> </ul>

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
		<ul style="list-style-type: none"> <li>- Three Consultative Workshops and National Conference in Lahore, Karachi and Islamabad organized on practices of standardization, setting technical regulations and conformity assessment</li> <li>- Two day training programme was organized for 27 staff of PSQCA on Setting National Strategies and assessing priorities for standardization</li> <li>- 11 staff members of PSQCA associated with TBT/WTO National Enquiry Point was trained.</li> <li>- Action plan was developed in consultation with PSQCA staff to operationalize the NEP.</li> <li>- Two officials of PNAC participated in Asia Pacific Laboratory Accreditation Cooperation (APLAC) General Assembly, MRA Council and Technical Meetings held in Philippine from 12-16 September</li> </ul>

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
		<p>2011</p> <ul style="list-style-type: none"> <li>- NPSL achieve international recognition in its measurement services and signed MRA with BIPM/CIPM</li> <li>- NEP at PSQCA in process of being fully operational</li> <li>- PNAC's assessments completed and training provided for PNAC to become national certifying accrediting body</li> <li>- Assessment of quality and standards manuals of laboratories completed.</li> </ul>
<p><b>3. Strengthened IP system facilitating increased investment and trade in IP protected goods and services</b></p> <p>3.1 Strengthened IP Institutions</p>	<ul style="list-style-type: none"> <li>• <b>Adoption of results based management practices in IPO-Pakistan by 2014</b></li> <li>• <b>3 IP officials with LLM degrees by 2013</b></li> <li>• <b>Report on validation of TM and Patents Administration procedures by 2012</b></li> <li>• <b>Examiners trained on TM and Patent examination by 2012</b></li> </ul>	<p><b>3.1 Strengthened IP Institutions</b></p> <ul style="list-style-type: none"> <li>- 2 IPO officials confirmed for LLM course starting in June 2012</li> <li>- On-site review of the patent and trademark administrative</li> </ul>

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
	<ul style="list-style-type: none"> <li>• <b>Upgraded IT infrastructure established by 2014</b></li> <li>• <b>Upgraded IP automation system (WIPO IPAS Java) deployed and streamlined IP procedures automated by 2012</b></li> <li>• <b>IP records digitized and IP databases completed by 2014</b></li> <li>• <b>Back-office administrative systems identified and first phase implemented by 2013</b></li> <li>• <b>4 IPO IT officials with certificates in technical skills by 2013</b></li> <li>• <b>Availability of online IP services and interfaces by 2014</b></li> <li>• <b>CMO study available by 2012</b></li> </ul>	<p>procedures has been completed. Implementation of the recommendations resulting from this exercise could lead to streamlined processes</p> <ul style="list-style-type: none"> <li>- Training of the patent and trademark examiners was completed. Their capacity to perform quality search and examination has now been improved</li> <li>- The first and second part of the IPO's IT infrastructure review is completed. IPO is in process of locating its Karachi registries in a single building and establishing a consolidated data centre</li> <li>- Initial training on IPAS Java automation system was provided to IPO IT team, along with training on the mapping of business procedures for automation</li> <li>- Terms of Reference finalized for digitization of the paper IP records and tendering process</li> </ul>

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
3.2 Strengthened IP Legislation and Policy Framework	<ul style="list-style-type: none"> <li>• <b>Position paper on utility models by 2013</b></li>   <li>• <b>National stakeholders consultations on Gis and PBRs by 2013</b></li> <li>• <b>National stakeholders consultations on Madrid System and PCT by 2013</b></li> <li>• <b>National Roundtable on IP Policy by 2013</b></li> </ul>	<p>being initiated</p> <ul style="list-style-type: none"> <li>- IPO IT team trained on system administration as part of their skill upgrade</li> <li>- An expert mission was completed to provide advice on the design and development of an IP web portal for online services.</li> <li>- Draft report on CMOs completed by the assigned international expert</li> </ul> <p><b>3.2 Strengthened IP Legislation and Policy Framework</b></p> <ul style="list-style-type: none"> <li>- Draft paper on utility model protection completed and under review</li> <li>- Consultation visit on Madrid System completed (in addition, IPO Pakistan has held two stakeholders consultations on the Madrid System in Pakistan)</li> </ul>

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
3.3 Improved enforcement of IPRs	<ul style="list-style-type: none"> <li>• <b>Judges colloquium by 2012</b></li> <li>• <b>Up to six (6) master trainers trained from FIA/Police and Customs Academy by 2012</b></li> <li>• <b>IP enforcement training courses commenced by Police, Customs and Judicial Academies by 2012</b></li> </ul>	<p><b>3.3 Improved Enforcement of IPRs</b></p> <ul style="list-style-type: none"> <li>- Study/training visit for the officials from the three enforcement agencies (Police/FIA/Customs) completed</li> <li>- The colloquium for the judges is planned to take place in the 3<sup>rd</sup> quarter 2012 and participants have been identified.</li> </ul>
3.4 Increased use of IP system by businesses and research institutions	<ul style="list-style-type: none"> <li>• <b>Public information campaign (media briefings, provision of public awareness materials) commenced by 2011</b></li> <li>• <b>Up to 15 national trainers on IP for businesses trained by 2012</b></li> <li>• <b>Roundtable on IP and trade policy by 2012</b></li> <li>• <b>IP modules in up to six public-private consultations</b></li> </ul>	<p><b>3.4 Increased use of IP system by businesses and research institutions</b></p> <ul style="list-style-type: none"> <li>- Contributions made by WIPO expert to the Public Private Dialogue (PPD) on Regional Trade in December 2011.</li> <li>- Media briefings started in December 2011 and shall continue at regular intervals</li> </ul>

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
	<p><b>by 2013</b></p> <ul style="list-style-type: none"> <li>• <b>National Roundtable on TMOs by 2013</b></li> <li>• <b>E-forum on technology transfer to industry established</b></li> </ul>	<p>throughout the project.</p> <ul style="list-style-type: none"> <li>- A list of IP reference material was shared with PITAD for possible use by their library. If PITAD agrees, these publications would be provided to them.</li> </ul>

## Annex III: Work-plan Component 1

Work Plan for Year 2012															Status	
Activities	Lead Responsible Agency	2012														
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
<b>Programme Inception Phase</b>																
- Development of IP Guidelines																Completed
- Development of content and format of Inception Report (IR)																Completed
- Preparation of initial draft of IR																Completed
- Expert missions																Completed
- First draft of IR																Completed
- Second/Final draft of IR																Completed
- Presentation of draft of IR at National Workshop																Completed
- Presentation of Final IR at PSC meeting for official approval																Completed
<b>COMPONENT 1: Trade Policy Capacity Building</b>																
<b>1.1 Strengthening of PITAD's institutional capacity</b>																
- Assessment of PITAD's equipment needs	PITAD/International training institute															Ongoing
- Provision of updated tools and publications	PITAD/International training institute															Ongoing
- Advice on these tools and publications	PITAD/International training institute															Ongoing
<b>1.2 Strengthening of PITAD's and other research institutes' expertise on trade policy</b>																
- Needs assessment of ministries and implementing governmental agency	PITAD/ITC															Completed
- Survey of key institutes, LUMS, IBA, and TDAP, to obtain their current expertise and potential for trade policy research	PITAD/ITC															Completed
- Review and enrichment of Specialized Training Programme and other government career development programmes delivered by PITAD so as to align with international best practices	International training institute/PITAD/ ITC															Ongoing
- Upgrading and development of PITAD's training modules and initiate research projects by TDAP, LUMS and IBA staff members under international mentoring	International training institute/PITAD/ ITC															Ongoing
- Training of Pakistani trainers and researchers by International training institutes for ad hoc comprising:	International training institute															Ongoing
1) Ad hoc training with WTI (Bern)																Ongoing
2) Continuous training through video conference	International training institute															Ongoing
<b>1.3 Strengthening of Government officers' capacity on specific trade policy and international trade negotiations</b>																
- Series of training for policy makers conducted by PITAD with technical support as appropriate, from IBA, TDAP and LUMS	PITAD/International training institute/ITC															Ongoing
<b>1.4 Conducting research studies contributing to the development of a national export strategy</b>																
- Studies carried out to support the public private dialogue undertaken under output 1.5 in order to establish a coherent framework for trade policy and regulatory reform for a national export strategy; Peer review mechanism established	PITAD/ITC															Ongoing
<b>1.5 Fostering public-private dialogue for a coherent national export strategy</b>																
- Orientation on the framework/methodology for developing national export strategy	PITAD/ITC															Completed
- Series of public-private sector consultations	PITAD/ITC															Ongoing

## Component 2

COMPONENT 2: Export Development through Improvement of Quality Infrastructure														
Result Area 2.1: Strengthening SPS Controls														
2.1.1 Strengthening the SPS management system														
- SPS Policy Development (Bio-security Authority/Food safety Authority)	UNIDO/NAPHIS													Completed
- Study tour on development of bio-security agency	UNIDO/NAPHIS													Completed
- Development of New Food Safety and Phytosanitary Laws (2)	UNIDO/NAPHIS													Completed
- Development of Model Technical Regulations (3)	UNIDO/NAPHIS													Planned
- Strengthening of SPS Management Capacities	UNIDO/NAPHIS													Ongoing
- SPS systems planning studies	NAPHIS													Planned
2.1.2 More effective application of food safety controls														
- Development of inspection guidelines, manuals and checklists	UNIDO/NAPHIS													Planned
- Provision of inspection equipment	UNIDO/NAPHIS													
- Building technical capacity of food safety inspection staff	UNIDO/NAPHIS/MoL DD/Provincial Govts.													Ongoing

Result Area 2.2 Improve Quality, Value-Addition & Compliance												
<b>2.2.1 Strengthening the capacity of public agencies to enhance competitiveness</b>												
- Design sector competitiveness benchmarking system (CBS)	UNIDO/NPO											Completed
- Develop capacity of agencies to use lean tools (1 training of 6 participants)	UNIDO/NPO/SME/DA											Ongoing
- Pilot CBS/lean and provide support for replication	UNIDO/NPO/SME/DA/TEVTA											Ongoing
- Storage, analysis & publication of data	UNIDO/NPO											Ongoing
- Monitoring of NPO on CBS	UNIDO/NPO											Ongoing
- Links to WNPO	UNIDO/NPO											Completed
- Vocational Skills training development	UNIDO/NPO/TEVTA											Planned
- Research on approaches to vocational skills development (1 case study)	UNIDO/TEVTA											Planned
- Academic interchange	UNIDO/TEVTA											Planned
- Update vocational training courses of TEVTA	UNIDO/TEVTA											Planned
<b>2.2.2 Improving competitiveness in selected pro-poor manufacturing sectors</b>												
- Pilot application of Improved manufacturing practices(Key drivers) in 2 groups of enterprises	UNIDO											Ongoing
- Build manufacturing capacity to meet market requirements	UNIDO/NPO/SME/DA/ TDAP											Ongoing
- Identification of Export requirements	UNIDO/ TDAP											Planned
- Firm level interventions	UNIDO/ NPO											Ongoing
- Identify interventions for value added production	UNIDO/TDAP											Planned
<b>2.2.3 Improving competitiveness in the fishery sector</b>												
- Development of code of practice workshops (2)	UNIDO/ MFD/PSEA/PFF											Planned
- Code of practice workshop to get sector buy-in	UNIDO/ MFD/PSEA/PFF											Planned
- Dissemination of code of practice training	UNIDO/ MFD/PSEA/PFF											Planned
- Monitoring of practice	UNIDO/ MFD/PSEA/											Planned
- Oversight/Follow up	UNIDO/ MFD/PSEA/PFF											Planned
- Technical Framework for landing sites in Balochistan	UNIDO/Balochistan Govt											Ongoing
- Design spec of Baba Bhit landing site	UNIDO/Sindh Govt											Planned
- Pilot operation of landing site	UNIDO/Provincial Govts											
- Feasibility study for Korangi business park	UNIDO/KoFHA											Ongoing
- Options for value added production	UNIDO/PSEA											
<b>2.2.4 Improving competitiveness in the horticulture sector</b>												
- Support PHDEC in finalization of PC1 (PAKGAP proposal)	UNIDO/ PHDEC/PSQCA											Ongoing
-Development of Code of practices	UNIDO/ASLP/PHDEC											Ongoing
- Dissemination of code of practice to farmers	UNIDO/ PHDEC/TDAP											Planned
- Implementation of standards	UNIDO/PHDEC											Planned
- Options for value added production	UNIDO/PHDEC											Planned
- Monitoring	UNIDO/PHDEC											Planned
- Oversight/Follow up	UNIDO/PHDEC											Planned
<b>2.2.5 Improving consultancy services and certification of enterprises</b>												
- Training and qualification of trainers / consultants (30) in management systems (Lean tools, quality, environment, food safety, GAP, CSR) in collaboration with NPO	UNIDO/NPO/CBa											Ongoing
- Preparation of 40 enterprises to achieve certification in above management systems	UNIDO/CBa/Trade Associations											Planned
- Assistance to 10 selected enterprises to achieve CE Marking of products	UNIDO/CBa/Trade Associations											Planned
<b>2.2.6 Development of business arrangements along the international supply chain</b>												
- Facilitate business linkages	UNIDO/ TDAP/Trade Associations											Planned
- Trade Corridor visits from delegations	UNIDO/ PHDEC/TDAP											Planned
- Development of freight forwarding	UNIDO/ TDAP/PFFA											Planned

Result Area 2.3 Strengthening Conformity Assessment Infrastructure and Services													
<b>2.3.1 Improving and streamline standardization and technical regulations practices</b>													
- Consultations on development of voluntary standardization and technical regulations	UNIDO/PSQCA/Consumer Associations												Ongoing
- Operationalization of PSQCA National Enquiry Point	UNIDO/PSQCA												Ongoing
- Strengthening of Consumer Liaison Office at PSQCA	UNIDO/PSQCA/CLO												Ongoing
<b>2.3.2 Traceable national metrology services</b>													
- Development of traceable, measurement and calibration capabilities	UNIDO/NPSL												Ongoing
- Assistance to achieve internationally recognized accreditation of mass metrology laboratory	UNIDO/NPSL												Planned
- Assistance to achieve internationally recognized accreditation of temperature metrology laboratory	UNIDO/NPSL												
- Support to NPSL to achieve MRA signatory status with CIPM	UNIDO/NPSL												Completed
- Development of National PT Scheme	UNIDO/NPSL/PNAC												Ongoing
<b>2.3.3 Internationally recognized national accreditation services</b>													
- Strengthen the pool of external assessors	UNIDO/PNAC												Planned
- Support to PNAC to achieve MLA signatory status with IAF	UNIDO/PNAC												Ongoing
- Accreditation National Proficiency Testing (PT) Schemes	UNIDO/PNAC/NPSL												Ongoing
<b>2.3.4 Support to testing laboratories</b>													
- Support to 26 accredited testing laboratories (surveillance, PT, CRMs, reference cultures & calibration)	UNIDO												Ongoing
- Support to achieve internationally recognized accreditation of 26 testing laboratories	UNIDO/Laboratories												Ongoing
- Facilitate in PT participation, provision of Certified Reference Material /Reference cultures to the testing laboratories targeted for accreditation	UNIDO/Laboratories												Ongoing
- Assistance in development of business plans to commercialize testing services of the laboratories to ensure sustainability (2 Training Workshops)	UNIDO/Laboratories												Ongoing

## Component 3

**COMPONENT 3 WORK PLAN for 2012**

<b>TRTA-II PAKISTAN - COMPONENT 3 (WIPO)</b>		<b>2 0 1 2</b>											
<b>Code</b>	<b>ACTIVITIES</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>STRENGTHENED IP INSTITUTIONS</b>													
3.3.1.1 a	Training for LLM Course at Turin, Italy (2 persons 2012, 1 person 2013)												
3.3.1.1 b	Capacity Building in HR and Financial Management (Islamabad, 2012)												
3.3.1.1 c/d	Review of trademarks procedures & trademark examiners training in Pakistan (delayed from 2011)												
3.3.1.2 a ii	Advisory mission on IT Infrastructure establishment, Part 2, KHI-ISB												
3.3.1.2 b ii	Study Visit of IPO Registries staff to an advanced IP office (2012) (to be combined with activity 3.3.1.2 d ii)												
3.3.1.2 b iii	Follow-up Implementation of Business Processes, KHI (2012) (via video-conferencing sessions)												
3.3.1.2 c ii	Digitization of IP databases (Patents, TM & CR) - scanning & capture (local contractual services) (2011-2014)		cont'd	from	2011								
3.3.1.2 c iii	Digitization of IP databases (Patents, TM & CR) - Infrastructure setup (local contractual services) (2011-2013)		cont'd	from	2011								

3.3.1.2 d ii	Further training on final deployment of IPAS (Geneva, 2012)												
3.3.1.2 d iii	Review and follow-up on IPAS implementation, KHI (2012)												
3.3.1.2 e i	Assessment & identification of key priority admin modules, KHI-ISB (2012)												
3.3.1.2 e ii	Customization and implementation of identified admin modules (local contractual services) (2012-2014)												
3.3.1.2 f iv	Technology training of IPO IT Staff to support advanced automation, 3 sessions (by local IT firms) (2012-2013)						1 of 3					2 of 3	
3.3.1.2 g ii	Development of a web portal and online services (local contractual services) (2012-2014)												
3.3.1.2 g iii	Needs assessment of stakeholder requirements for online IP services, KHI-ISB (2012)												
3.3.1.3 a	Updated feasibility study on CMO establishment, KHI-LHE-ISB												
3.3.1.3 b	National Stakeholders Consultations on CMOs, ISB (2012/2013)												
<b>STRENGTHENED IP LEGISLATIVE &amp; POLICY FRAMEWORK</b>													
3.3.2 a i	Consultation visit of MOFA & IPO officials on PBRs, Geneva-Europe (2012)												
3.3.2 a vi	Videoconference with experts on Utility Models protection (2012)												

3.3.2 b i	Consultation visit on Madrid System, Geneva (2012)												
3.3.2 b ii	Videokonference on Madrid System (Experts invited) (2012)												
3.3.2 b iii	Consultations visit on accession to PCT, Geneva (2012)												
	<b>IMPROVED ENFORCEMENT OF IPRs</b>												
3.3.3 a i	Training of Trainers for Customs & Police/FIA, London (delayed from 2011)												
3.3.3 a ii	Colloquium for Judges, Dubai (2012)												
3.3.3 b	Provision of program outlines & teaching material (2012)												
3.3.3 c	Support for IP Enforcement Training Courses, ISB (2012-2013)												
	<b>INCREASED USE OF IP BY BUSINESSES/RESEARCH INSTITUTIONS</b>												
3.3.4 a i	Briefings for Journalists on IP issues and trade linkages, ISB-LHE-KHI (Combined with other activity, 2011 to 2013)		cont'd	from	2011								
3.3.4 a iii	IP Awareness & basic reference material for academic & research institutions (Part 1 in 2012, Part 2 in 2013)							1 of 2					
3.3.4 b i	Train the Trainer' Workshop (SMEs) on Business & IP, Geneva (2012)												
3.3.4 b ii	Provision of IP material and literature for events under Component 1 (2011-2012)							1 of 2					

<b>3.3.4 b iii</b>	<b>Local IP experts/speakers to selected events under Component 1 (2011-2013)</b>													
<b>3.3.4 c ii</b>	<b>Provision of Model IP Curriculum for Universities/Research Institutions (2012)</b>													
<b>3.3.4 c iii</b>	<b>Paper on Branding Option for Horticultural Product (2012)</b>													
<b>3.3.4 c iv</b>	<b>E-Forum Website Development (local contractual services) (2012-2014)</b>													