

Facilitating Technology Transfer and Management of IP Assets: Country Experience



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Sequence of Presentation

- Overview of IP Management in Pakistan
- Policy framework for the establishment of ORIC
- Performance evaluation of ORICs by HEC
- Administrative structure of ORIC
- Functions of ORIC
- Number of ORICs in Pakistan
- Establishment of “Model ORIC Forum”
- Activities of ORIC Forum
- Challenges of strengthening ORICs
- Activities at Bahria University

Overview of Technology Transfer and IP Management in Pakistan

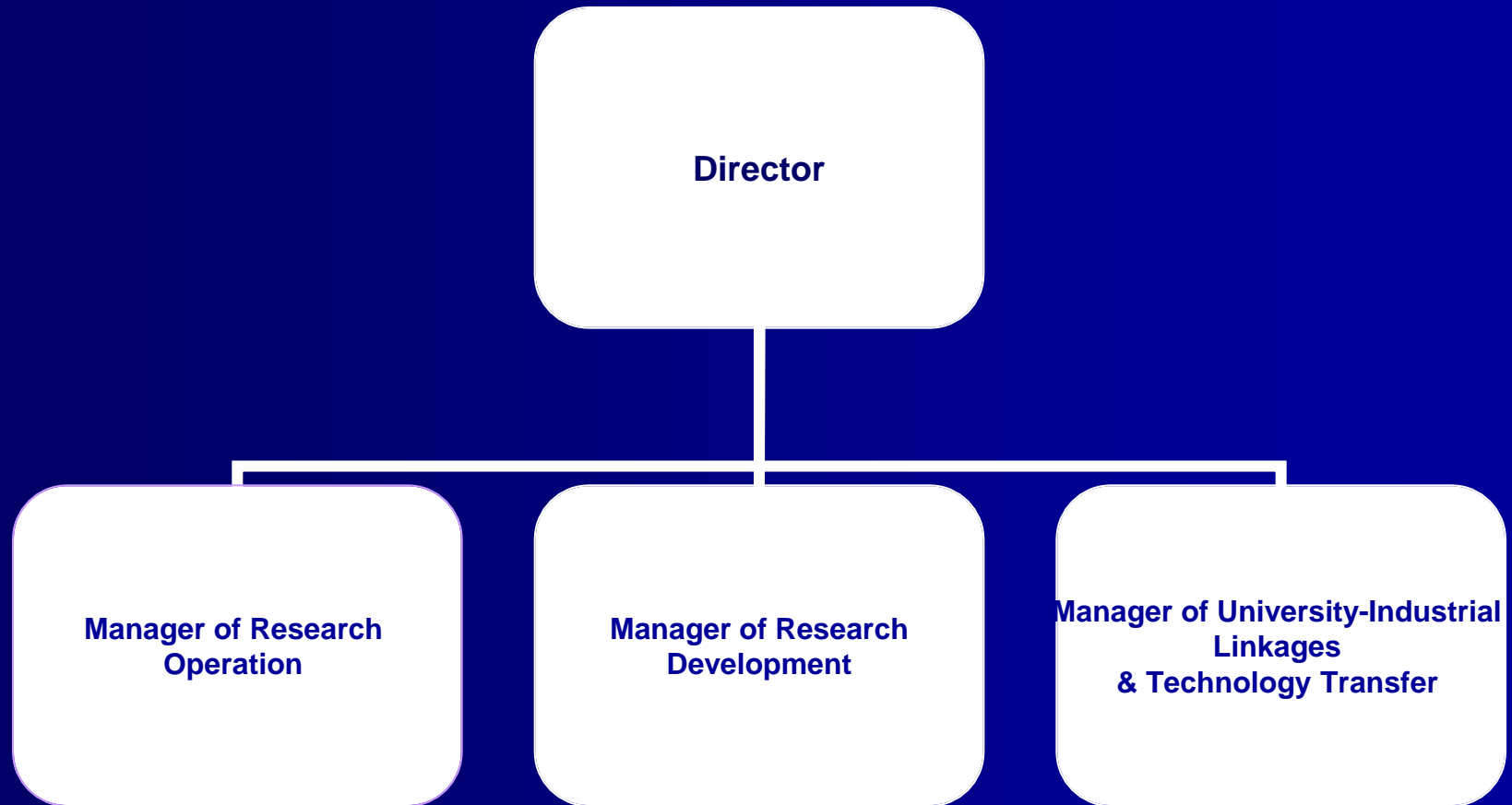
Before 2011, no formal legislation for organizing and financing Technology Management offices (TMOs) was existed in Pakistan, a few universities were independently operating offices for the technology transfer and IP management.

In 2011 Higher Education Commission of Pakistan (HEC) took initiative to encourage the universities to establish "Offices for Technology Management". Resultantly a number of universities have now established technology management office namely; "Office of Research, Innovation and commercialization (ORIC)" for technology transfer and IP management.

Policy framework for the establishment of ORICs at universities

Higher Education Commission (HEC) of Pakistan gives incentive to the universities in return for establishing the ORIC, in the form of 15% overhead cost against each research proposal approved by HEC.

Administrative structure of ORIC



Functions of ORICs

An ORIC is basically responsible for the followings

- Research administration (budgeting, auditing and accounting, implementation of research contracts and human resources etc)
- Securing IP rights (Patents, designs, copyrights, trademarks) over their inventions and innovations
- Maintaining the IP portfolio of university (renewals of patents)
- Defending the IP Portfolio of university against infringement
- Creating awareness for generating exploitable IP amongst researchers, students and faculty.
- Evaluating the commercial potential of generated IP
- Promoting entrepreneurship, technology-transfer and commercialization activities
- Strengthening university industry linkage

Incentives for Patent Filing

1. Higher Education Commission (HEC), Islamabad.

- Free evaluation of invention to know about the patentability of the invention.
- Payment of patent application and patent attorney's fee.

2. Pakistan Council of Scientific and Industrial Research (PCSIR).

- Free technical facilitation on patent search and legal consultancy to ensure protection
- Full payment of fee of 100 local application filings and 05 foreign application filings.

3. Pakistan Science Foundation (PSF)/Pakistan Scientific & Technological Information Center (PASTIC), Islamabad.

- Award for inventions and innovations.
- Patent search service.
- Supply of copies of patents.
- Facilitation in filing of patent applications.

Incentives for Patent Filing

Center for Innovation and Entrepreneurship (CIE) at Academic Institutions

- Technical advice on facilitation of patent, trade mark and copyright filing.
- Promotion of research and development.
- Patent Help-Lines for guidance of researcher's community.

5. Intellectual Property Organization (IPO-Pakistan).

- Outreach Program for linkaging and leveraging internal and external constituencies.
- Patent help-lines for guidance of the researchers, inventors and innovators.

6. Small & Medium Enterprise Development Authority (SMEDA), Lahore:

- Free service at Patent Help-Line

Number of ORICs in Pakistan

S No	Province	ORICs
1	Punjab	13
2	Sindh	07
3	KPK	07
4	Balochistan	02
5	Federal capital	08
6	Total	37

Establishment of “Model ORIC Forum”

A Roundtable conference on establishment and strengthening of Technology Management Offices was held under the auspices of WIPO/EU/IPO on 9/10/2013.

During the conference it was decided form a “Model ORIC Forum” to enhance the coordination among different stakeholders, constituting;

- ORICs of Islamabad/Rawalpindi based Universities,
- Higher Education Commission (HEC),
- Pakistan Scientific and Technological Centre (PASTIC)
- Intellectual property organization (IPO-Pakistan)
- Chamber of Commerce

In future there is plan make other such Regional Forum for close cooperation among the stakeholders

Activities of ORIC Forum

Following mutual activities are proposed for ORIC Forum

- To share IP Statistic between IPO-Pakistan and Forum universities
- To organize IP awareness activities at universities
- To provide the technical assistance to the ORICs by IPO-Pakistan in prior art search, Patent drafting etc
- To share the data of developed and commercialized technologies among the stakeholders
- To mutually discuss the policy matters like introduction of IP curriculum in universities, development of IP Policy for universities etc

Activities of ORIC Forum

- To promote coordination between IPO-Pakistan and universities in filing of IP applications (Patents, designs copyrights etc)
- To seek WIPO assistance in the capacity building of officials of ORICs, especially in the subjects of patent drafting, IP Audit, patent valuation, and licensing methodologies
- To work together to seek technical and financial resources for the capacity building of ORIC

Challenges in strengthening the ORICs

- Lack of communication infrastructure among the ORICs
- Lack of institutional IP Policy/Strategy and licensing policy
- Lack of awareness among the policymakers, Researchers and Faculty about IPRs
- Lack of financial and technical resources

IPO-Pakistan

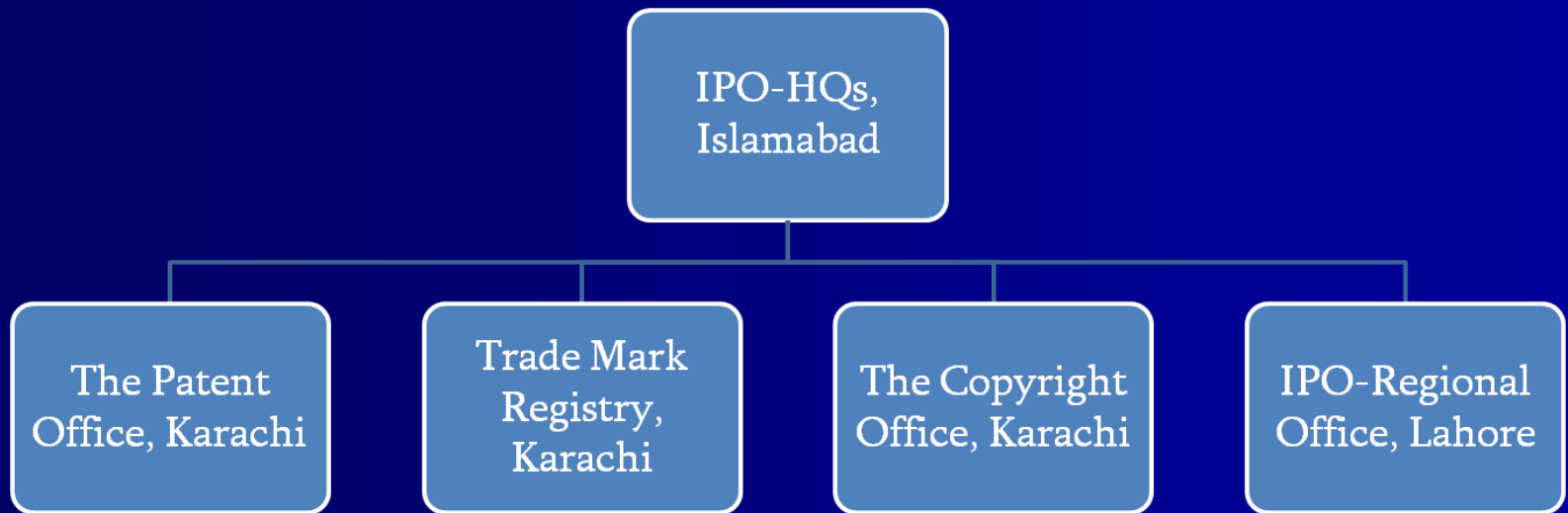
■ Before 2005

- Fragmented (patent copyrights and trademark registries were under different ministries)
- No Automation

■ 2005 onwards

- IPO-Pakistan was created as an autonomous body to encompass all IP related functions on April 8, 2005

Organogram



Mission and vision of IPO- Pakistan

Mission

Effectively addressing the problem of creation, protection and enforcement of IP rights in Pakistan

Vision

To introduce an IP culture in Pakistan by the year 2020; and to convert Pakistan into the most IP compliant country in South Asia by the year 2025

National IP Laws in force

- The Trade Marks Ordinance, 2001
- The Copyright Ordinance, 1962 as amended in 2000
- The Patents Ordinance, 2000
- The Registered Designs Ordinance, 2000
- The Registered Layout-Designs of Integrated Circuits Ordinance, 2000

Dissemination of IP information to stakeholders

- Help desks (*IPO HQs, IP Registries, Regional office, Chambers of Commerce*)
- Help lines
- IPO Website(www.ipo.gov.pk)
- IPO Newsletter
- IPO Annual report
- IP Academy
- IP day



Awareness Seminar on IPR at Bahria University - Islamabad

An International Seminar on the topic of "Fundamentals of Intellectual Property" was organized by the Office of Research & Development/ORIC – Bahria University in collaboration with IPO Pakistan, Commercial Law Development Program (CLPD) – US Department of Commerce (USDOC) and Higher Education Commission (HEC) held on 15th February 2014, in order to create awareness among academicians, researchers and students about the laws of Intellectual Property Rights and its implementation in Pakistan.

Awareness Seminar on IPR at Bahria University - Islamabad



Distinguished speakers are seated along with Pro-Rector at Seminar



Group Photo with Distinguished Guests at Seminar

Thanks