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14 January 2015

Ms Annette Lam
Clerk to Panel
Legislative Council Panel on Commerce and Industry
Legislative Council Complex
1 Legislative Council Road
Central, Hong Kong

Dear Ms Lam,

**Supplementary Information on
Innovation and Technology-related Personnel and
Amount of Fund Approved for Selected Examples of R&D Projects of the
Innovation and Technology Fund (ITF)**

I refer to the requests of Dr Hon Chiang Lai-wan and Hon Emily Lau at the Panel meeting on 18 November 2014 and set out in this letter some supplementary information for Members' reference.

Statistics of overseas research and innovation and technology-related personnel working in Hong Kong

The Government attaches great importance to promoting research and development (R&D) activities and welcomes technology companies outside of Hong Kong to set up their R&D bases locally, thereby creating more R&D and technology-related job opportunities. In this connection, the Innovation and Technology Commission, the InvestHK and the Hong Kong Science and Technology Parks Corporation have been working closely together to provide various forms of support, encouraging and assisting overseas and Mainland enterprises to set up or expand their business operations in Hong Kong.

From 2010-11 to 2013-14, with the concerted efforts of the 3 parties, about 90 overseas and Mainland technology enterprises were attracted to set up or expand their R&D operations in Hong Kong (most of them were established in the Hong Kong Science Park), creating some 1 200 jobs. These

technology enterprises cover various areas including electronics, information technology and telecommunications, biotechnology, medicine, green and environmental technologies, and precision engineering.

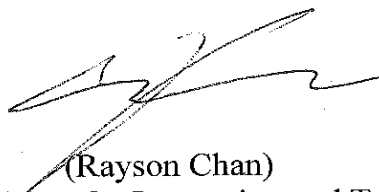
With our continuous efforts to foster an ecological environment on innovation and technology (I&T) in Hong Kong, the number of R&D personnel in Hong Kong has increased from about 11 000 in 2001 to 26 000 in 2013. Although the Government does not maintain statistics on the country/territory of origin of these personnel, R&D personnel from outside Hong Kong can come to work in Hong Kong through various admission schemes such as the General Employment Policy and Admission Scheme for Mainland Talents and Professionals. The total numbers of approved applications under these two schemes from 2011 to 2013 are 38 645, 36 730 and 36 937 respectively. As research and I&T-related jobs are applicable to different sectors or industries, we are unable to provide breakdown on the number of personnel admitted through these admission schemes who are working in research or I&T related jobs only.

Amount of fund approved for the selected examples of R&D projects

The amount of funding approved for the selected examples of R&D projects under various funding programmes of the ITF as listed in the Final Report of the Comprehensive Review of the ITF (as attached to LC Paper No. CB(1)211/14-15(03)) are set out in **Annex**.

I should be grateful if you would relay our response to Panel Members for their reference.

Yours sincerely,



(Rayson Chan)
for Commissioner for Innovation and Technology

Encl.

**Selected Examples of R&D Projects in
the Final Report of the Comprehensive Review of the ITF**

Glossary:

ITSP –	Innovation and Technology Support Programme
TCFS –	Guangdong-Hong Kong Technology Cooperation Funding Scheme under the ITSP
UICP –	University-Industry Collaboration Programme
SERAP –	Small Entrepreneur Research Assistant Programme
PSTS –	Public Sector Trial Scheme

Paragraph No. in the Final Report	Funding Programme	Project Title and Project Reference	Approved Funding (\$ million)
3.15(a)	ITSP	Development of Genomic Strategies for the Non-invasive Detection of Down Syndrome (ITS/195/01)	7.7
3.15(b)	ITSP	Developing a Real-Time and Programmable Ultrasound Imaging Platform for R&D of High-Frame-Rate Imaging Methods (ITS/492/09)	1.0
3.15(c)	ITSP	Development and Dissemination of Low-Cost Flip-Chip and Wafer Level Packaging (ITS/196/00)	7.1
3.15(d)	ITSP	Platform Development for Quality Control Standards of Processed Chinese Materia Medica (Decoction Pieces) in the Hong Kong Market (ITS/196/11FP)	2.4
3.15(e)	TCFS	Build and Operate CBERS-02B Satellite Ground Receiving Station to Support Earth Resources and Environmental Monitoring (GHP/002/07)	14.8
3.15(f)	ITSP	Advanced Design of a Non-radioactive and User-friendly Optical Imaging System for Skin Application (ITS/316/11)	0.8
3.18(a)	TCFS	Interactive Intention-Driven Upper-Limb Training Robotic System (GHP/003/07)	3.6
3.18(b)	TCFS	RFID Enablement Middleware for Enterprise Applications (GHS/054/04)	10.5

Paragraph No. in the Final Report	Funding Programme	Project Title and Project Reference	Approved Funding (\$ million)
3.38(a)	UICP	Innovative Development of Chinese Medicine-based Health Care Products for Women of All Ages (UIM/008)	4.6
3.38(b)	UICP	Optimization of Enzymes: Development of Novel Methodology for New Applications (UIM/096)	2.3
3.38(c)	UICP	The Development and Demonstration of a Battery Management System for Li-ion Batteries for e-mobility (UIM/223)	4.2
3.51(a)	SERAP	Gamer1 8-bit CMOS Micro Controller (S/P595/03)	1.2
3.51(b)	SERAP	Wireless Sensor Network & Products for Elderly Care (E/P042/09)	0.4
3.51(c)	SERAP	To Develop Pegylated Human Recombinant Arginase as an Anti-liver Cancer Drug for the Submission of SFDA IND (S/P679/03)	2.0
3.51(d)	SERAP	DNA Chip Utilizing a Unique Combination of DNA Hybridization & Detection Technologies (S/P214/01)	2.0
5.15(a)	PSTS	Trial: E-Lock-Based Enabling Technology for Container Cargo (ITT/007/12LP)	2.3
5.15(b)	PSTS	Trial: Finer Nu-Torque Cotton Yarn Production (ITT/011/12TP)	0.6
5.15(b)	PSTS	Trial: RFID Tagging and Packaging Technology for Food Products (ITT/010/12LP)	0.5
5.15(b)	PSTS	Trial: Telehealth Platform (ITT/001/13CD)	0.4
5.15(c)	ITSP	A Smartphone Control Device and Signpost System for Visually Impaired Users (ITS/074/11FP)	4.9

Paragraph No. in the Final Report	Funding Programme	Project Title and Project Reference	Approved Funding (\$ million)
5.15(d)	ITSP	Location-based Technologies for Asset Tracking and Risk Management (ITP/036/12LP)	8.7
5.15(e)	PSTS	Trial: Enabling Technologies for Baby Tracking in Hospital Environment (Tamper resistant & reusable baby tag) (ITT/014/14LP)	3.4
5.16(a)	ITSP	LTE Release 9 Evolution and Performance Enhancement (ART/118CP)	16.2
5.16(b)	ITSP	Finer Nu-Torque Cotton Yarn Production (ITP/003/07TP)	2.1
5.16(c)	ITSP	Development of Advanced Die Attach Adhesives with Nano-fillers/Microcapsules for High Brightness LED (HB-LED) (ITP/015/10NP)	1.5