

**For discussion
on 9 November 2015**

**Legislative Council Panel on
Information Technology and Broadcasting**

**Capital Works Reserve Fund Head 710 Computerisation
Subhead A007GX (Block Allocation) –
New Administrative Computer Systems**

Introduction

This paper seeks Members' support for the funding requirement for 2016-17 for the implementation of computerisation projects under the Capital Works Reserve Fund (CWRF) Head 710 Computerisation Subhead A007GX (Block Allocation) – New Administrative Computer Systems.

Background

2. The sources of funding and approving authority of computerisation projects can be broadly classified as follows -

(a) CWRF Head 710 Computerisation

This is the Head of Expenditure used for funding administrative computer systems and related studies. These projects primarily serve to deliver the strategic outcome of the action area "Enabling the next generation of public services" under the Digital 21 Strategy.

- (i) *Projects costing above \$10 million each* – these projects are subject to the specific approval of the Finance Committee (FC) of the Legislative Council and are to be funded under separate subheads of CWRF Head 710. The subject bureaux/departments (B/Ds), as the project owners of these major computerisation projects, are responsible for submitting funding proposals to the FC

and monitoring project delivery.

- (ii) *Projects costing above \$200,000 but not exceeding \$10 million each* – these projects are funded through a block allocation under CWRP Head 710 Subhead A007GX (Block Allocation). The Financial Secretary has delegated to the Government Chief Information Officer (GCIO) the power to approve projects and authorise expenditure under the Block Allocation. Projects funded this way are normally called block vote projects.

(b) General Revenue Account

Projects each costing \$200,000 or below – these projects are approved by individual B/Ds and funded through their respective operational expenses subheads under the General Revenue Account.

CWRP Block Allocation

3. The proposed Block Allocation for a given financial year will fund the estimated cash flow requirements arising from block vote projects proposed by B/Ds and approved or to-be approved by GCIO. For raising new projects, B/Ds are required to observe the following guiding principles

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- (a) support e-Government strategies for the management and use of information and communications technology;
- (b) integrate e-Government into their overall business plans to derive more business benefits and as a fundamental part of their service delivery approach;
- (c) embrace a citizen-centric culture and adopt customer relationship management principles and best practices in the delivery of public services;
- (d) build in service transformation and business process re-engineering in all organisation/business reviews;

- (e) proactively identify opportunities for joining up services across departmental boundaries, take ownership of the projects and account for their performance/benefits; and
- (f) rationalise service delivery channels and migrate customers to the most efficient, user-friendly and cost-effective channels.

4. Each year, the Office of the Government Chief Information Officer (OGCIO) estimates the funding requirements for the Block Allocation in the following financial year by taking into consideration the cash flow requirements of approved block vote projects, new proposals submitted by B/Ds and anticipated new projects for various e-Government initiatives to be submitted, as well as the spending position of the Block Allocation. To ensure optimal utilisation of the Block Allocation, OGCIO will review the estimated cash flow requirements of approved block vote projects on a half-yearly or quarterly basis. Owners of individual projects will be required to closely monitor and review the project schedule in order to provide realistic cash flow requirements based on the latest project progress. This arrangement will avoid unnecessary locking up of funds by individual projects and enable OGCIO to deploy funds to meet the requirements of other urgent or higher priority projects.

5. OGCIO will also monitor and manage the use of the approved funds to ensure due adherence to prevailing government policies and relevant legislations, and the proper delivery of the desired outcomes. To ensure that Government's investment has attained its intended objectives in a timely and cost-effective way, B/Ds have to submit to OGCIO a Post Implementation Departmental Return (PIDR) setting out the achievements made and the reasons for any deviation from the original objectives, budget and schedule of the project within six months after the live-run of a system or completion of a study/programme. The aggregated result of PIDRs is published in the Controlling Officer's Report of OGCIO as government-wide performance indicators. In 2014, the summarised project performance reported in 142 PIDRs is provided below -

Performance indicators	No. of PIDRs		% achieved
	with target achieved	with deviation	
Completed within budget	142	0	100.0%
Meeting agreed specifications	140	2	98.6%
Completed on schedule	88	54	62.0% ^(note)
Achieving intended benefits	139	3	97.9%

Note: For projects not completed on schedule, the main causes of delay are the frequent turnover of contractors' staff, sub-standard quality of contractors' deliverables, and longer time than expected in finalising user requirements and procurement.

Funding Requirement for 2016 -17

6. Taking into account the proposals submitted by B/Ds and our forecast of other projects to be initiated in the coming financial year, we estimate that a Block Allocation of **\$990 million** will be required under CWRP Head 710 Subhead A007GX for 2016-17. The proposed allocation is \$50 million (about 5.3%) higher than the provision of \$940 million for 2015-16. A breakdown of the expenditure items for 2015-16 and 2016-17 is at **Annex A**. The higher provision will enable the Government to keep pace with the increasing use of IT for service transformation, improve customer services and operational efficiency, and enhance system security.

7. The estimated cash flow requirements of projects initiated / to be initiated in 2015-16 or earlier as well as new projects to be initiated in 2016-17, are at **Annex B**. The new projects to be funded from the Block Allocation can be broadly classified into the following categories –

(a) User-friendly electronic services

It is Government's policy commitment to bring convenience and better quality of life to the community through wider and better adoption of IT. In recent years, a number of online services have been launched by government departments. Some well known examples include the Leisure Link (Leisure and Cultural Services Department), the eTAX (Inland Revenue Department) and various online services of Immigration Department. These electronic services aim to enhance user experience and achieve internal efficiency gains by saving the manual effort for data entry and validation. Examples of new projects are -

- (i) Study and Design of Cargo Clearance Module under Single Window System (Customs and Excise Department);
- (ii) Enhancement of Facility Booking Features of Leisure Link System (Leisure and Cultural Services Department); and
- (iii) Feasibility Study on Electronic Submission System for Insolvency (Official Receiver's Office).

(b) Public sector information and mobile applications

With the advancement of mobile technology, a wide array of mobile applications in different areas, e.g. weather, traffic, leisure, education, etc., has also been introduced to further improve the delivery of public services. Moreover, the Government will release all free on-line government information in digital formats with a view to tapping the creativity and ingenuity of the community to develop innovative applications using the released public information. This helps bring convenience to the public and open up new business opportunities. Examples of new projects are -

- (i) Redevelopment of Building Name Book System (Rating and Valuation Department);

- (ii) Student Finance Office Mobile Application (Working Family and Student Financial Assistance Agency); and
- (iii) Residential Respite Place Vacancies System (Social Welfare Department).

(c) Improving internal operational efficiency

Apart from the provision of public services, B/Ds have also developed and implemented various computer systems to enhance internal operational efficiency and productivity, achieve a greener environment, and handle growth in business demands. Examples of new projects are -

- (i) Integration of Gas Safety Enforcement System and Gas Safety Information System (Electrical and Mechanical Services Department);
- (ii) Implementation of Sewage Services Support System (Drainage Services Department); and
- (iii) Feasibility Study on e-Collaboration Platform (Government Property Agency).

(d) Technology refresh

Technology refresh is an on-going process to address the obsolescence of system hardware and software as well as to leverage the new features / functionality of advanced technology. Mission critical IT systems will need to be timely replaced or upgraded to ensure sustainability for service delivery. Examples of new projects are -

- (i) Technology Refresh for Import and Export (Strategic Commodities) Classification and Licensing System (Trade and Industry Department);

- (ii) Technology Refresh for Permit Processing System (Transport Department); and
- (iii) Technology Refresh for Building Safety Loan Management System (Buildings Department).

(e) Enhancing IT security

In view of increasing reliance on e-Government services, B/Ds have put much emphasis on data and system security of their IT systems. Regular security risk assessments and audits on IT systems are conducted to ensure the compliance with IT security policies and effective implementation of preventive measures against security threats and cyber attacks on Government's IT systems. Examples of new projects are -

- (i) Governance on Government Departments' Information Security Compliance (Office of the Government Chief Information Officer);
- (ii) Enhancement of IT Security (Government Logistics Department); and
- (iii) IT Security Risk Assessment and Audit (Agriculture, Fisheries and Conservation Department).

A full list of the 159 new projects to be initiated in 2016-17 is at **Annex C**.

Submission of Funding Application to FC

8. Funding approval for all CWRP block allocations (including the Subhead A007GX (Block Allocation)) will be sought from FC (tentatively in January 2016), after consultation with the Public Works Subcommittee (tentatively in December 2015).

Advice Sought

9. Members are invited to support the proposed Block Allocation to be sought from FC for CWRP Head 710 Subhead A007GX in 2016-17.

**Office of the Government Chief Information Officer
Commerce and Economic Development Bureau
November 2015**

Annex A

**Breakdown of the expenditure items in 2015-16 and 2016-17
for the Block Allocation**

Category of Expenditure	2016-17	2015-16	Difference	Percentage of Increase
	Proposed Block Allocation (\$M)	Approved Block Allocation (\$M)		
Hardware	204	196	8	4.1
Software	153	150	3	2.0
Implementation Services	359	327	32	9.8
Contract Staff	161	157	4	2.5
Contingency	66	65	1	1.5
Others	47	45	2	4.4
Total:	990	940	50	5.3

Annex B

**Tentative cash flow requirements of
the projects to be funded
under the proposed Block Allocation in 2016-17**

	<u>No. of projects</u>	<u>Tentative cash flow requirements in 2016-17 (\$M)</u>
Projects initiated / to-be initiated in 2015 -16 or earlier	537	814
New projects to be initiated in 2016 -17	159	176
Total :	<u>696</u>	<u>990</u>

New projects to be initiated in 2016-17

<u>Item no.</u>	<u>Project descriptions</u>	<u>Project estimate (\$M)</u>	<u>Planned start date in 2016-17</u>	<u>Planned end date</u>
<u>Agriculture, Fisheries and Conservation Department</u>				
1	Confidential Messaging Application and Mobile Confidential Mail Service	2.7	Q1	Q1/2017-18
2	IT Security Risk Assessment and Audit	1.0	Q1	Q2/2017-18
3	Revamp of Departmental Website	4.9	Q3	Q1/2018-19
<u>Architectural Services Department</u>				
4	Confidential Messaging Application and Mobile Confidential Mail Service	5.0	Q1	Q1/2017-18
5	Replacement of Personal Computers	4.4	Q2	Q2/2017-18
6	Replacement of Office Automation Software	6.3	Q3	Q3/2017-18
7	Upgrade of Email System	6.7	Q3	Q4/2017-18
<u>Audit Commission</u>				
8	Upgrade of Office Application Software	1.5	Q1	Q4/2016-17
<u>Auxiliary Medical Service</u>				
9	IT Security Risk Assessment and Audit	0.7	Q3	Q4/2017-18
<u>Buildings Department</u>				
10	Confidential Messaging Application	4.2	Q1	Q1/2017-18
11	IT Security Risk Assessment and Audit	1.0	Q2	Q4/2016-17
12	Revamp of Site Monitoring Information System	7.0	Q2	Q3/2017-18
13	Technology Refresh for Building Safety Loan Management System	4.2	Q2	Q4/2017-18
14	Revamp of Departmental Website	4.2	Q4	Q4/2017-18
<u>Census and Statistics Department</u>				
15	Confidential Messaging Application and Upgrade of Email System Infrastructure	9.5	Q1	Q2/2017-18

Note: Q1, Q2, Q3 and Q4 refer to the four quarters of a financial year, i.e., April - June, July - September, October - December and January - March respectively.

Item no.	Project descriptions	Project estimate (\$M)	Planned start date in 2016-17	Planned end date
16	Upgrade of Data Preparation System	2.4	Q2	Q3/2017-18
	<u>Chief Executive's Office</u>			
17	Upgrade of Paperless Meeting System and IT Security Risk Assessment and Audit	1.3	Q2	Q2/2017-18
	<u>Chief Secretary of Administration's Office</u>			
18	Upgrade of Departmental Portal and IT Security Risk Assessment and Audit	2.3	Q1	Q1/2017-18
	<u>Civil Aid Service</u>			
19	IT Security Risk Assessment and Audit	0.7	Q2	Q3/2017-18
20	Revamp of Web Portal and Email System and Provision of Mobile Version of Official Website	3.2	Q3	Q2/2018-19
	<u>Civil Engineering and Development Department</u>			
21	IT Security Risk Assessment and Audit	0.4	Q1	Q4/2016-17
22	Centralised Explosives Licensing and Management System	5.6	Q2	Q2/2018-19
	<u>Civil Service Bureau</u>			
23	Redevelopment of e-Leave System	9.9	Q1	Q4/2018-19
	<u>Commerce and Economic Development Bureau</u>			
24	Migration of Trade Declaration System to Mid-range Platform	9.7	Q1	Q3/2017-18
25	Upgrade of Departmental Portal and Network Equipment	1.9	Q2	Q1/2017-18
26	Redevelopment of Create Hong Kong's Funding Administration Systems	9.9	Q2	Q2/2018-19
	<u>Constitutional and Mainland Affairs Bureau</u>			
27	IT Facilities Upgrade and IT Security Risk Assessment and Audit	3.3	Q1	Q3/2017-18

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Item no.	<u>Project descriptions</u>	<u>Project estimate (\$M)</u>	<u>Planned start date in 2016-17</u>	<u>Planned end date</u>
<u>Customs and Excise Department</u>				
28	Study and Design of Cargo Clearance Module under Single Window System	9.9	Q1	Q3/2017-18
29	Replacement of Hardware for Customs Control System	2.5	Q2	Q1/2017-18
30	Confidential Messaging Application and Mobile Confidential Mail Service	2.4	Q2	Q3/2017-18
31	IT Security Risk Assessment and Audit	1.5	Q3	Q1/2018-19
<u>Department of Health</u>				
32	Upgrade of Child Assessment Service Knowledge Management Portal	1.6	Q1	Q2/2017-18
33	Health Assessment and Appointment Management Information System for Elderly Health Centers	9.9	Q1	Q3/2017-18
34	Technology Refresh for Clinical Information Management System	3.0	Q2	Q1/2017-18
35	Platform Upgrade for Fixed Penalty Information System for Smoking Offences	8.3	Q2	Q2/2018-19
36	Confidential Messaging Application and Mobile Confidential Mail Service	5.1	Q4	Q4/2017-18
<u>Department of Justice</u>				
37	Confidential Messaging Application and Mobile Confidential Mail Service	3.3	Q1	Q3/2017-18
38	Relocation and Enhancement of IT Facilities (West Wing of the Justice Place)	9.9	Q2	Q2/2018-19
39	Upgrade of Personal Computers and IT Facilities	9.9	Q2	Q2/2018-19
<u>Development Bureau</u>				
40	IT Security Risk Assessment and Audit (Planning and Lands Branch)	0.4	Q1	Q4/2016-17

Note: Q1, Q2, Q3 and Q4 refer to the four quarters of a financial year, i.e., April - June, July - September, October - December and January - March respectively.

Item no.	<u>Project descriptions</u>	Project estimate (\$M)	Planned start date in 2016-17	Planned end date
41	Confidential Messaging Application	1.7	Q2	Q1/2017-18
42	Common Spatial Data Exchange Platform for New Territories Development Areas	9.7	Q2	Q1/2019-20
43	Technology Refresh for Public Works Manpower Estimation System	3.5	Q3	Q3/2017-18
<u>Drainage Services Department</u>				
44	Feasibility Study cum System Analysis and Design for Project Collaboration System	4.9	Q2	Q2/2017-18
45	IT Security Risk Assessment and Audit	0.4	Q2	Q3/2017-18
46	Implementation of Sewage Services Support System	5.3	Q2	Q4/2017-18
47	Engineering Survey Job Management System	5.3	Q3	Q2/2018-19
<u>Education Bureau</u>				
48	Enhancement of Web-based School Administration and Management System	9.5	Q1	Q2/2018-19
49	Revamp of Personnel Information Management System	8.9	Q2	Q2/2018-19
<u>Electrical and Mechanical Services Department</u>				
50	Integration of Gas Safety Enforcement System and Gas Safety Information System	9.9	Q1	Q4/2017-18
<u>Financial Services and the Treasury Bureau</u>				
51	Upgrade of Fees and Charges Review System	1.6	Q1	Q3/2017-18
<u>Food and Environmental Hygiene Department</u>				
52	Upgrade of Intranet System and Revamp of Departmental Websites	4.8	Q1	Q2/2017-18

Note: Q1, Q2, Q3 and Q4 refer to the four quarters of a financial year, i.e., April - June, July - September, October - December and January - March respectively.

<u>Item no.</u>	<u>Project descriptions</u>	<u>Project estimate (\$M)</u>	<u>Planned start date in 2016-17</u>	<u>Planned end date</u>
53	Replacement of Network Equipment and Systems	9.9	Q1	Q3/2017-18
54	Replacement of Personal Computers	9.1	Q3	Q2/2018-19
<u>Food and Health Bureau</u>				
55	IT Security Risk Assessment and Audit	0.4	Q1	Q3/2016-17
<u>Government Flying Service</u>				
56	Upgrade of Aircraft Engineering System	6.1	Q1	Q1/2017-18
57	Replacement of Legacy Systems and IT Equipment and Upgrade of Departmental Portal	1.4	Q1	Q2/2017-18
<u>Government Laboratory</u>				
58	Revamp of Departmental IT Network System	4.8	Q1	Q1/2017-18
59	Environmental Chemistry Information System	4.7	Q2	Q4/2017-18
<u>Government Logistics Department</u>				
60	Replacement of Printing Services Management System	9.1	Q1	Q1/2019-20
61	Enhancement of IT Security	4.0	Q2	Q2/2018-19
62	Confidential Messaging Application and Mobile Confidential Mail Service	0.4	Q3	Q3/2017-18
<u>Government Property Agency</u>				
63	Enhancement of Government Property Information System	4.4	Q2	Q3/2017-18
64	Feasibility Study on e-Collaboration Platform	1.7	Q4	Q3/2017-18
<u>Highways Department</u>				
65	Upgrade of Surveyed Geo-Spatial Database System	5.7	Q2	Q2/2017-18

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Item no.	<u>Project descriptions</u>	<u>Project estimate (\$M)</u>	<u>Planned start date in 2016-17</u>	<u>Planned end date</u>
<u>Home Affairs Bureau</u>				
66	Confidential Messaging Application and Mobile Confidential Mail Service	0.9	Q1	Q4/2016-17
<u>Home Affairs Department</u>				
67	Enhancement of Rural Representatives Election Application Systems	1.3	Q1	Q2/2017-18
68	Accreditation and Access Control System (Ceremonial Events of the Anniversary of the HKSAR)	2.3	Q3	Q1/2017-18
<u>Hong Kong Police Force</u>				
69	IT Equipment for Boundary Crossing Facilities at Hong Kong - Zhuhai - Macao Bridge	2.2	Q1	Q4/2016-17
<u>Immigration Department</u>				
70	Computer Systems and IT Facilities for Yuen Long Office	6.4	Q1	Q2/2017-18
71	Technology Refresh for Intranet Equipment	9.9	Q1	Q3/2017-18
72	Confidential Messaging Application and Upgrade of Email System Infrastructure	9.9	Q3	Q3/2018-19
<u>Information Services Department</u>				
73	Confidential Messaging Application	1.2	Q1	Q4/2016-17
74	Replacement of Common Fax System	1.0	Q2	Q1/2017-18
<u>Inland Revenue Department</u>				
75	Establishment of Web Content Management System and Migration of Website	5.5	Q1	Q3/2017-18
76	IT Security Risk Assessment and Audit	0.6	Q3	Q3/2017-18
77	Confidential Messaging Application and Upgrade of Email System	9.2	Q3	Q4/2017-18

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Item no.	<u>Project descriptions</u>	<u>Project estimate (\$M)</u>	<u>Planned start date in 2016-17</u>	<u>Planned end date</u>
78	Replacement of Mid-range System and Revamp of Corresponding Application Systems	9.9	Q3	Q3/2018-19
<u>Intellectual Property Department</u>				
79	Confidential Messaging Application and Mobile Confidential Mail Service	0.8	Q1	Q3/2016-17
<u>Invest Hong Kong</u>				
80	Feasibility Study on Collaborative Platform and Records Management System	1.4	Q2	Q1/2017-18
81	Revamp of Departmental Website and Development of Mobile Apps	1.7	Q3	Q1/2017-18
<u>Labour and Welfare Bureau</u>				
82	Confidential Messaging Application and Upgrade of IT Infrastructure	3.7	Q1	Q3/2017-18
<u>Labour Department</u>				
83	Technical Study on Database Solution for Departmental IT Systems	1.6	Q1	Q1/2017-18
84	Revamp of Wage Security System	3.3	Q1	Q3/2017-18
85	Revamp of Employment Agencies Administration Computer System	7.0	Q1	Q1/2018-19
86	Internet Cloud Platform	4.8	Q2	Q3/2017-18
87	Technology Enhancement of Offence Record System	4.7	Q3	Q4/2017-18
88	Technology Refresh for Labour Inspection Management Information System	6.3	Q3	Q2/2018-19
89	Technology Refresh for Statutory Minimum Wage Regime Computer System	2.6	Q4	Q4/2017-18
90	Replacement of Departmental IT Infrastructure (Phase II)	9.8	Q4	Q2/2018-19

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<u>Lands Department</u>				
91	Mobile Device Extension to Land Control Information System	9.5	Q3	Q2/2018-19
92	Upgrade of e-Leave System	0.8	Q4	Q3/2017-18
93	Revamp of Common Geospatial Information Platform	9.9	Q4	Q4/2017-18
94	Integrated Job Monitoring and Resources Management System (Survey and Mapping Office)	4.6	Q4	Q3/2018-19
<u>Legal Aid Department</u>				
95	Upgrade of Electronic Document Management System	2.3	Q1	Q4/2016-17
96	Upgrade of Network Infrastructure and Server Equipment	9.2	Q1	Q4/2017-18
<u>Leisure and Cultural Services Department</u>				
97	Replacement of Desktop Management System	7.9	Q1	Q4/2017-18
98	Feasibility Study on Redevelopment of Hong Kong Public Library Information Systems	8.0	Q2	Q1/2018-19
99	Revamp of Cultural and Leisure Programmes Searching System	8.0	Q2	Q1/2018-19
100	Enhancement of Contract Staff Payroll System	3.5	Q2	Q2/2018-19
101	Revamp of Sports Subvention Management System	9.0	Q2	Q2/2018-19
102	Redevelopment of Revenue Information Processing System	7.0	Q2	Q4/2018-19
103	Enhancement of Facility Booking Features of Leisure Link System	3.7	Q3	Q4/2017-18
104	Redevelopment of Smart Identity Card Authentication System in Hong Kong Public Libraries	9.9	Q3	Q1/2018-19

Note: Q1, Q2, Q3 and Q4 refer to the four quarters of a financial year, i.e., April - June, July - September, October - December and January - March respectively.

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105	Redevelopment of Fixed Assets Management System <u>Marine Department</u>	1.9	Q4	Q1/2019-20
106	Upgrade of Email System	5.7	Q1	Q2/2017-18
107	Enhancement of Departmental IT Infrastructure Security	6.6	Q2	Q3/2017-18
108	Redevelopment of Ships and Seafarers Registration System <u>Office of the Government Chief Information Officer</u>	5.3	Q2	Q1/2018-19
109	Implementation of New Smart Identity Card Electronic Authentication System	9.9	Q1	Q3/2017-18
110	Pilot Implementation of Big Data Analytics for Cyber Threat Analysis	6.0	Q1	Q3/2018-19
111	Enhancement of Departmental IT Infrastructure	6.5	Q2	Q2/2017-18
112	Development of Common Shared Questions and Answers System for Examination of Government's Annual Estimates	9.4	Q2	Q1/2018-19
113	Governance on Government Departments' Information Security Compliance	9.1	Q2	Q4/2018-19
114	Pilot Implementation of Government Instant Messaging Cloud Service	8.9	Q2	Q4/2018-19
115	System Enhancement of Centralised Mobile Workplace Services	3.0	Q2	Q2/2019-20
116	Enhancement of Common Service Portal	4.3	Q3	Q3/2017-18
117	Upgrade of Desktop Services	9.8	Q3	Q4/2018-19
118	Revamp of External Procurement Portal for e-Procurement Service	5.5	Q4	Q4/2017-18
119	Implementation of Collaborative Project Workspace Shared Services	9.2	Q4	Q1/2018-19

Note: Q1, Q2, Q3 and Q4 refer to the four quarters of a financial year, i.e., April - June, July - September, October - December and January - March respectively.

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120	Revamp of Internal Application Systems	9.9	Q4	Q2/2018-19
121	IT Security Risk Assessment and Audit	3.8	Q4	Q4/2018-19
122	Programme Management for Wider Deployment of Government Human Resources Management Services	9.9	Q4	Q3/2021-22
<u>Official Receiver's Office</u>				
123	Feasibility Study on Electronic Submission System for Insolvency	3.2	Q2	Q2/2017-18
<u>Planning Department</u>				
124	Enhancement of IT Security	6.2	Q1	Q4/2017-18
125	Implementation of Planning Submissions Workflow and Monitoring System	9.9	Q1	Q3/2018-19
126	e-Distribution System of Town Planning Board Paper	3.8	Q3	Q2/2018-19
127	Implementation of Planning Enforcement and Prosecution System	8.0	Q4	Q4/2018-19
128	Technology Refresh for Intranet Portal	7.3	Q4	Q4/2018-19
<u>Radio Television Hong Kong</u>				
129	Enhancement of Internet Security Gateway and IT Security Risk Assessment and Audit	0.8	Q2	Q1/2017-18
130	Implementation of Server Virtualization and Enhancement of Disaster Recovery System	2.5	Q3	Q2/2017-18
<u>Rating and Valuation Department</u>				
131	Development of Mobile Version and Adoption of Web Accessibility Design for Electronic Services	5.0	Q1	Q4/2017-18

Note: Q1, Q2, Q3 and Q4 refer to the four quarters of a financial year, i.e., April - June, July - September, October - December and January - March respectively.

<u>Item no.</u>	<u>Project descriptions</u>	<u>Project estimate (\$M)</u>	<u>Planned start date in 2016-17</u>	<u>Planned end date</u>
132	Development of Mobile Version and Adoption of Web Accessibility Design for Property Information Online Services	5.0	Q3	Q4/2017-18
133	Implementation of Change Control System	1.8	Q4	Q1/2018-19
134	Redevelopment of Building Name Book System	1.9	Q4	Q1/2018-19
135	Confidential Messaging Application and Upgrade of Email Facilities	4.5	Q4	Q2/2018-19
<u>Security Bureau</u>				
136	Revamp of Integrated Law and Order Statistical Information System	8.9	Q1	Q1/2019-20
137	Website Revamp	2.5	Q2	Q4/2017-18
<u>Social Welfare Department</u>				
138	Enhancement of Client Information System	0.3	Q3	Q1/2017-18
139	Feasibility Study on Upgrade of Client Information System	7.4	Q3	Q3/2017-18
140	Residential Respite Place Vacancies System	0.7	Q3	Q3/2017-18
141	Revamp of Thematic Website on Support for Victims of Abuse / Violence	0.6	Q4	Q4/2017-18
142	IT Security Risk Assessment and Audit	1.4	Q4	Q2/2018-19
<u>The Treasury</u>				
143	Technology Upgrade of Office Automation Services	5.7	Q1	Q2/2017-18
144	Upgrade of Debt Management System and Medical and Dental Benefits Eligibility Checking System	5.6	Q3	Q4/2017-18

Note: Q1, Q2, Q3 and Q4 refer to the four quarters of a financial year, i.e., April - June, July - September, October - December and January - March respectively.

Item no.	<u>Project descriptions</u>	<u>Project estimate (\$M)</u>	<u>Planned start date in 2016-17</u>	<u>Planned end date</u>
<u>Trade and Industry Department</u>				
145	Technology Refresh for Import and Export (Strategic Commodities) Classification and Licensing System	6.9	Q1	Q4/2016-17
146	Enhancement of IT Security Infrastructure	1.4	Q2	Q4/2016-17
<u>Transport and Housing Bureau</u>				
147	Upgrade of Computer Equipment	2.7	Q2	Q2/2017-18
<u>Transport Department</u>				
148	Technology Refresh for Permit Processing System	6.2	Q1	Q4/2016-17
149	Upgrade of Vehicle Examination Order System II	3.1	Q1	Q3/2017-18
150	Revamp of Government Vehicle Examination Centre Appointment Booking Control Systems	7.0	Q4	Q2/2018-19
<u>Water Supplies Department</u>				
151	Upgrade of Departmental Portal	1.1	Q1	Q4/2016-17
152	Upgrade of Storage Area Network for Customer Care and Billing System	4.6	Q1	Q4/2016-17
153	Upgrade of Virtual Private Network	1.0	Q2	Q4/2016-17
154	Confidential Messaging Application and Mobile Confidential Mail Service	0.6	Q3	Q2/2017-18
155	Privileged Account Security Solution for Customer Care and Billing System	4.2	Q4	Q3/2017-18
156	Revamp of Water Conservation Website	1.6	Q4	Q3/2017-18
<u>Working Family and Student Financial Assistance Agency</u>				
157	Online Counter Appointment System	7.0	Q1	Q3/2017-18
158	Enhancement of "Student Finance Office E-link - My Applications" - Paperless Communication Interface	2.4	Q2	Q2/2017-18

Note: Q1, Q2, Q3 and Q4 refer to the four quarters of a financial year, i.e., April - June, July - September, October - December and January - March respectively.

<u>Item no.</u>	<u>Project descriptions</u>	<u>Project estimate (\$M)</u>	<u>Planned start date in 2016-17</u>	<u>Planned end date</u>
159	Student Finance Office Mobile Application	1.9	Q2	Q4/2017-18

Note: Q1, Q2, Q3 and Q4 refer to the four quarters of a financial year, i.e., April - June, July - September, October - December and January - March respectively.