

香港特別行政區政府

創新科技及工業局

香港添馬添美道二號
政府總部二十樓



INNOVATION, TECHNOLOGY
AND INDUSTRY BUREAU

THE GOVERNMENT OF THE HONG KONG
SPECIAL ADMINISTRATIVE REGION

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來函檔號 Your Ref.: CB(1)/2024(02)
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By email

29 December 2023

Mr Daniel SIN,
Clerk to Panel
Legislative Council Panel on Information Technology and Broadcasting
Legislative Council Complex
1 Legislative Council Road
Central, Hong Kong

Dear Mr Sin,

**Legislative Council Panel on Information Technology and Broadcasting
Supplementary information requested at the meeting held on 12 December 2023 -**

**Capital Works Reserve Fund Head 710 Computerization
Subhead A007GX (Block Allocation) – New Administrative Computer Systems:
2024-2025 Estimates of Expenditure**

At the meeting of the Panel on Information Technology and Broadcasting on 12 December 2023, Members requested the Administration to provide supplementary information in relation to the item “Capital Works Reserve Fund Head 710 Computerization Subhead A007GX (Block Allocation) – New Administrative Computer Systems: 2024-2025 Estimates of Expenditure”. In consultation with the Office of the Government Chief Information Officer (OGCIO), our reply is set out below.

Government Departmental Website Projects

2. Among the projects in A007GX Block Allocation in the 2024–25 Estimates of Expenditure, a total of 17 projects concerning two categories are related to websites of various bureaux/departments (B/Ds). Details are set out in **Appendix 1**. The first category is “Departmental Website”, which mainly provides information and services to the public. The project estimates of individual B/Ds of these departmental website depend on the required functions and technical content. For instance, general departmental website

designs or content updates cost less, whereas higher project costs may be required if the project in question concerns various server set-ups and integration or connection with other systems to provide functions such as real-time information or personalised services, convenient tools or interfaces to facilitate information search by the public etc.. The second category is “Departmental Portal”, which enables B/Ds’ staff to login to the Government Intranet for browsing departmental internal information and using internal e-Government services, such as processing leave applications, using the e-Procurement system and handling human resources information / training matters. Individual B/Ds’ project estimates depend on multiple factors, including the number of users in the B/Ds concerned, whether any server upgrade or replacement is required, and any measures to increase the resilience, maintainability and availability of the portal, etc. Generally speaking, the departmental portal projects solely for upgrading the portal software and accessories will have lower project estimates.

Estimated Expenditure for Contract Staff

3. The expenditure for contract staff involved in the A007GX Block Allocation computerisation projects is non-recurrent in nature. The contract staff mainly serves to assist B/Ds in project delivery, including assisting in system design, system development, testing and training for internally developed projects, as well as the monitoring of contractors’ performance and quality review of their deliverables and follow-up actions, etc. For the estimates in 2024-25 Block Allocation, about \$379 million are estimated for contract staff costs, among which \$89 million is earmarked for the new projects to be commenced in 2024-25, while the remaining is reserved for the required cashflow for projects that have already commenced or are about to commence in 2023-24.

Recurrent cost of projects

4. Individual B/Ds are required to absorb the recurrent cost of their computerisation projects, which will not be charged to the A007GX Block Allocation. According to the information provided to the OGCIO by B/Ds, the net recurrent cost (i.e. total recurrent cost net any savings by the project) required for the new projects (296 projects) to be commenced in 2024-25 is around \$172 million, which will be borne by various B/Ds after the commissioning of their systems (i.e. from 2025 to 2029). Details are set out in **Appendix 2**.

Education Bureau’s Projects on School Management

5. As for the details of the Education Bureau (EDB)’s projects “Development of School Management Information Hub” and “Development of School Manager Registration Platform” enquired by members, the “School Management Information Hub” serves to extract the important data from various existing systems in EDB to provide a dashboard view of data aggregation and integration, and hence allow EDB to perform school compliance and supervision functions more effectively. The “School Manager Registration Platform” on the other hand is a brand-new workflow system serving around 5 000 schools, including the approval processes at the ends of both schools and EDB and end-to-end electronic processing for school manager registration matters. The project estimates of the above projects have taken into account the different requirements for system functions and technical contents. Details are set out in **Appendix 3**.

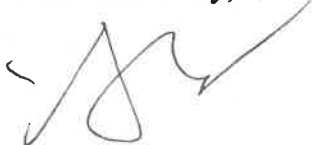
Types and Priority of New Projects Proposed for Implementation

6. Project applications under A007GX Block Allocation are assessed mainly in two stages. Firstly, respective policy bureaux will decide whether to give policy support to their departments' proposed computerisation projects having regard to factors such as policy needs and urgency of the projects. If the projects are supported, the respective bureaux will prioritise the proposals submitted by their departments under its purview. Then, OGCIO's Administrative Computer Projects Committee (ACPC) will consider various factors such as project nature/type, technical contents, cost effectiveness, implementation arrangement and schedule, and the relative priority accorded by the policy bureau before approval of individual project. **Appendix 2** sets out the details of the projects in A007GX Block Allocation with B/D's priorities and project types for Members' reference.

Projects expected to be completed in 2026-27 or afterwards

7. Computerisation projects under A007GX Block Allocation should normally be completed within 24 months. As some projects may require a longer duration due to complexity, actual operation needs, or the need to tie in with the timetable of international organisations. According to the project schedules prepared by B/Ds, 102 proposed projects are expected to be completed in 2026-27 or afterwards, including 68 projects which will take more than 24 months. OGCIO has urged B/Ds to complete their projects as early as possible, and the proposed timetables for some projects have been adjusted. Details are set out in **Appendix 2**; of these, six projects need more than 24 months to complete due to various reasons as set out in **Appendix 4**.

Yours sincerely,



(Fung Long-yin)

for Secretary for Innovation, Technology and Industry

Encl.

Government Chief Information Officer (Attn: Mr Jason PUN)

Appendix 1

Capital Works Reserve Fund Head 710 Computerisation Subhead A007GX (Block Allocation) – New Administrative Computer Systems: 2024-2025 Estimates of Expenditure

Information on Government Departmental Website Projects

Departmental Website Projects (a total of 5 projects):

Annex C¹ Item No.	Project Title	Project Estimate (\$M)
6	Agriculture, Fisheries and Conservation Department : Revamp of Departmental Website	14.7
26	Buildings Department : Revamp of Departmental Website	7.1
56	Constitutional and Mainland Affairs Bureau : Revamp of Departmental Website	2.2
63	Correctional Services Department : Revamp of Departmental Website	7.4
100	Education Bureau : Revamp of Departmental Website	19.6

Departmental Portal Projects (a total of 12 projects):

Annex C Item No.	Project Title	Project Estimate (\$M)
1	Agriculture, Fisheries and Conservation Department : Upgrade of Departmental Portal	1.8
44	Civil Engineering and Development Department : Upgrade of Departmental Portal	2.6
115	Environmental Protection Department : Upgrade of Departmental Portal	2.1
120	Financial Services and the Treasury Bureau : Upgrade of Departmental Portal	1.2
145	Health Bureau : Upgrade of Departmental Portal	0.9
156	Hong Kong Observatory : Upgrade of Departmental Portal and Replacement of Office Automation Facilities	2.4*
196	Invest Hong Kong : Upgrade of Departmental Portal	0.7
220	Marine Department : Upgrade of Departmental Portal	2.7
254	Rating and Valuation Department : Upgrade of Departmental Portal	1.7
261	Registration and Electoral Office : Upgrade of Departmental Portal	4.5
273	Transport Department : Upgrade of Departmental Portal	1.0
289	University Grants Committee : Upgrade of Departmental Portal	1.3

** Project estimate of the whole project is \$6.4M, of which about \$2.4M is for upgrading the Departmental Portal.*

¹ Item number in Annex C of the Information Technology and Broadcasting Panel Paper CB(1)1098/2023(01).

**Capital Works Reserve Fund Head 710 Computerisation
Subhead A007GX (Block Allocation) – New Administrative Computer
Systems: 2024-2025 Estimates of Expenditure**

New projects to be commenced in 2024-25

Annex C² Item No.	B/D Priority³	Project Title	Project Estimate (\$M)	Estimated Net Recurrent Cost⁴ (\$M)	Estimated Time Required (in Months)	Project Type⁵
<u>Agriculture, Fisheries and Conservation Department</u>						
1	5	Upgrade of Departmental Portal	1.8	0.14	13	C
2	6	Enhancement of Online Payment e-Services	10.0	0.25	24	A
3	1	Development of Fixed Penalty Management System for Wild Animals Protection Ordinance	16.6	0.95	24*	B
4	2	Development of Business Process Automation Engine for Licence and Permit Application Systems	19.5	1.86	24*	A
5	9	Enhancement of IT Infrastructure for Animal Management and Animal Welfare Building Complex	15.5	0.75	20	B
6	3	Revamp of Departmental Website	14.7	1.04	18	C
7	7	Enhancement of Red Tide Monitoring System	6.8	0.03	21	B
8	8	Development of Country Park One-day Vehicle Permit Application System	9.6	0.69	24	A
9	4	Development of Departmental Business Information Hub	14.2	0.73	12	B

² Item number in Annex C of Information Technology and Broadcasting Panel Paper CB(1)1098/2023(01), which is not related to item's priority.

³ Based on the relative priorities ranked by the relevant policy bureaux for their department's projects.

⁴ To be borne by relevant bureaux and departments. Negative figure indicates that the operating cost of the project will be reduced; while 0.00 means either the project carries no operating cost, or the operating cost of the new system is about the same as that of the old system.

⁵ Projects are mainly classified into three types:

Type A : Projects that are in line with the Government's digitalisation policy and carry importance, including development or upgrade of e-Government services, upgrade of government central IT infrastructure or services, implementation of key digital government services, improvement of IT security, etc.

Type B : Projects that are essential to the enhancement of government services or operations, including the building/upgrading of B/D's IT infrastructure, development of new government internal IT systems, enhancement or technology refresh of government internal systems, implementation of government human resources management services, etc.

Type C : Projects that are time-critical to ensure that the departments can provide relevant services or support internal operations in an uninterrupted manner, including the upgrading of government office automation and departmental portals, revamping of departmental websites, conducting essential studies/trial run of new technologies, etc.

Annex C²	B/D			Estimated	Estimated	
Item No.	Priority³	Project Title	Project Estimate (\$M)	Net Recurrent Cost⁴ (\$M)	Time Required (in Months)	Project Type⁵
10	10	Enhancement of Herbarium Data Management System	6.9	0.03	21	B
		<u>Architectural Services Department</u>				
11	3	Replacement of Internet Proxy System	7.3	0.16	17	B
12	1	Implementation of Centrally Managed Messaging Platform	17.9	-0.40	22	A
13	6	Development of Government Minor Building Works Processing System	19.9	1.79	24*	B
14	2	Upgrade of Office Automation Software and Workstations	18.1	0.00	24*	C
15	4	Unifying Departmental IT Systems on Open Source Platform	8.7	-0.23	24*	B
16	5	Upgrade of Office Automation Facilities	5.1	0.00	20	C
		<u>Audit Commission</u>				
17	1	Development of Next Generation Audit Information System	4.6	0.38	19	B
		<u>Auxiliary Medical Service</u>				
18	1	Implementation of Centrally Managed Messaging Platform and Migration of Applications on Email System	4.5	1.40	13	A
		<u>Buildings Department</u>				
19	1	IT Security Risk Assessment and Audit	1.7	0.00	13	A
20	2	Upgrade of Office Automation Software	17.8	0.00	18	C
21	7	Upgrade of Site Monitoring Information System	9.7	0.00	17	B
22	9	Revamp of e-Learning Centre and Building Safety Certificate Course	5.8	0.18	20	A
23	6	Upgrade of Consultants' Performance Information System	3.0	0.07	20	B
24	5	Upgrade of Network Equipment and Emergency Network Facilities	19.0	1.13	24	B
25	3	Development of Emergency Calls Management System	11.6	2.00	22	A
26	8	Revamp of Departmental Website	7.1	0.10	22	C
27	4	Revamp of Electronic Forms Submission System	19.7	0.23	23	A
		<u>Census and Statistics Department</u>				
28	3	Upgrade of Digital Mapping System	6.0	0.15	14	A
29	2	Development of Metadata Management System	13.7	0.10	18	B
30	1	Upgrade of Knowledge Management Support System	7.4	0.00	18	B
31	6	Upgrade of Office Automation Facilities and Operating System	19.2	0.00	13	C
32	5	Revamp of Virtual Private Network	18.6	0.00	18	B

Annex C²	B/D			Estimated	Estimated	
Item No.	Priority³	Project Title	Project Estimate (\$M)	Net Recurrent Cost⁴ (\$M)	Time Required (in Months)	Project Type⁵
33	4	Enhancement and Wider Rollout of Staff Reporting System	9.9	0.00	24	B
34	8	Relocation of IT Infrastructure to New Census and Statistics Department Headquarters	18.9	0.28	21	B
35	7	Implementation of Secure Edge Gateway	18.7	0.20	24	B
36	1	<u>Chief Executive's Office</u> Upgrade of Common Application Platform	3.2	0.01	16	B
37	1	<u>Chief Executive's Policy Unit</u> Upgrade of IT Infrastructure	7.8	0.00	24	B
38	2	<u>Chief Secretary for Administration's Office</u> Enhancement of Application Virtual Infrastructure	3.5	0.20	17	B
39	1	Upgrade of Network Attached Storage and Implementation of Network Detection and Response System	10.4	0.14	24	B
40	1	<u>Civil Aid Service</u> Implementation of Government Human Resources Management Services	2.4	0.11	11	B
41	2	Implementation of Centrally Managed Messaging Platform and Migration of Applications on Email System	5.2	0.53	16	A
42	1	<u>Civil Aviation Department</u> Provision of Office Automation Facilities for New Air Traffic Control Tower	1.5	0.06	6	C
43	2	Implementation of Centrally Managed Messaging Platform	9.5	1.93	24*	A
44	3	<u>Civil Engineering and Development Department</u> Upgrade of Departmental Portal	2.6	0.00	9	C
45	2	Upgrade of Office Automation Software	17.0	0.00	16	C
46	1	Implementation of Centrally Managed Messaging Platform	19.9	-0.08	24*	A
47	3	<u>Civil Service Bureau</u> Upgrade of Qualification Assessment Database System	1.8	0.03	15	B
48	1	Upgrade of Office Automation Software	15.2	0.00	17	C
49	2	Upgrade of Personnel Information System and Training Administration System for Administrative Officer Grade	3.9	0.05	18	B

Annex C²	B/D	Project Title	Project Estimate (\$M)	Estimated Net Recurrent Cost⁴ (\$M)	Estimated Time Required (in Months)	Project Type⁵
Item No.	Priority³					
50	4	Revamp of Online Community for Ethics Officers and Resource Centre on Civil Service Integrity Management	5.3	0.20	24*	B
51	5	IT Security Risk Assessment and Audit	1.3	0.00	24	A
<u>Commerce and Economic Development Bureau</u>						
52	2	Upgrade of File Encryption System for Headquarters and Overseas Hong Kong Economic and Trade Offices	4.4	0.00	18	B
53	4	IT Security Risk Assessment and Audit	1.7	0.00	21	A
54	1	Upgrade of Office Automation and IT Facilities for Headquarters and Overseas Hong Kong Economic and Trade Offices	14.8	0.00	24*	C
55	3	Implementation of Centrally Managed Messaging Platform and Migration of Applications on Email System for Overseas Hong Kong Economic and Trade Offices	11.3	0.78	24*	A
<u>Constitutional and Mainland Affairs Bureau</u>						
56	1	Revamp of Departmental Website	2.2	0.00	12	C
57	3	Upgrade of Operating System and Email System (Beijing Office)	4.6	0.00	16	C
58	4	Upgrade of Operating System and Email System (Hong Kong Economic and Trade Office in Shanghai)	4.3	0.00	16	C
59	2	Upgrade of Operating System and Email System (Hong Kong Economic and Trade Office in Guangdong)	3.9	0.00	16	C
60	5	Upgrade of Operating System and Email System (Hong Kong Economic and Trade Office in Chengdu)	3.7	0.00	16	C
61	6	Upgrade of Operating System and Email System (Hong Kong Economic and Trade Office in Wuhan)	3.2	0.00	16	C
<u>Correctional Services Department</u>						
62	4	Upgrade of Office Automation Workstations	19.9	-0.36	13	C
63	1	Revamp of Departmental Website	7.4	0.14	22	C
64	5	Implementation of Centrally Managed Messaging Platform	19.8	4.17	24*	A
65	2	Upgrade of Office Automation Systems	13.9	0.38	24*	C
66	3	IT Security Risk Assessment and Audit	1.2	0.00	18	A
<u>Customs and Excise Department</u>						
67	5	Upgrade of Office Automation Workstations	12.6	0.02	18	C

Annex C²	B/D			Estimated	Estimated	
Item No.	Priority³	Project Title	Project Estimate (\$M)	Net Recurrent Cost⁴ (\$M)	Time Required (in Months)	Project Type⁵
68	6	Implementation of Centrally Managed Messaging Platform for Confidential Mail System and Government Office Automation Mail System Users	18.8	7.74	21	A
69	1	Technology Refresh for Enterprise System Management	8.8	0.03	21	B
70	2	Upgrade of Information and Risk Management System	18.9	1.30	29	B
71	3	Enhancement of Money Service Operators Licensing System	5.0	0.26	14	A
72	4	Upgrade of Network Infrastructure	15.0	0.03	24	B
		<u>Department of Health</u>				
73	1	Setting up of IT Facilities for Prevention and Control of Disease at Three-Runway System at Hong Kong International Airport	5.7	0.20	9	B
74	8	Development of Management Dashboard on Public Mortuary Service	4.6	1.18	12	B
75	7	Enhancement of School Dental Care Service Website for Adoption of “iAM Smart”	0.8	0.07	11	A
76	4	Development of e-Licensing Public Facing Portal and Enhancement of e-Licensing Systems of Drug Office	17.0	1.77	21	A
77	3	Provision of IT Infrastructure and Facilities for Government Chinese Medicines Testing Institute	15.6	1.17	21	B
78	5	Enhancement of Chinese Medicine Control System	12.6	0.74	22	A
79	9	Provision of Robotics for Venue Management, Client Management and Transport of Bodies for Fu Shan Public Mortuary	17.5	2.34	24*	B
80	10	Implementation of Centrally Managed Messaging Platform for Confidential Mail Users and Migration of Applications on Email System	14.1	4.03	24*	A
81	2	Provision of Self-registration Service for Families Clinics	11.3	1.35	24*	B
82	6	Enhancement of One-stop Mobile Portal	8.2	1.98	22	A
		<u>Department of Justice</u>				
83	1	Upgrade of IT Facilities in Relation to Central Electronic Recordkeeping System	4.5	0.00	20	A
84	2	Upgrade of Office Automation Facilities	19.4	0.00	24*	C
85	3	Implementation of IT Infrastructure for Resilient Site	12.1	0.61	23*	B

Annex C ² Item No.	B/D Priority ³	Project Title	Project Estimate (\$M)	Estimated Net Recurrent Cost ⁴ (\$M)	Estimated Time Required (in Months)	Project Type ⁵
		<u>Development Bureau</u>				
86	1	Upgrade of Office Automation Software and Facilities	11.4	0.09	18	C
87	5	Technology Refresh for Consultants' and Contractors' Management System of Revitalising Historic Buildings Through Partnership Scheme	5.3	0.19	16	B
88	3	Upgrade of Virtual Private Network	3.5	0.12	16	B
89	4	Technology Refresh for Contractor Management Information System	9.6	1.02	20	B
90	2	Upgrade of Office Automation Facilities	17.5	0.00	24*	C
		<u>Drainage Services Department</u>				
91	4	Development of Safety Management System	7.4	0.63	20	B
92	5	Upgrade of Virtualisation Platform	15.7	1.91	23	B
93	2	Implementation of Centrally Managed Messaging Platform	18.1	2.72	24*	A
94	3	Development of Drainage Survey Data Processing Platform	7.1	1.61	24*	B
95	1	Development of Departmental Building Information Modelling Visualisation Platform	19.7	1.04	24*	B
		<u>Education Bureau</u>				
96	5	Development of School Management Information Hub	6.7	0.20	18	B
97	6	Development of Regional Education Offices e-Working Platform	19.9	0.12	24	B
98	3	Development of School Manager Registration Platform	10.0	1.47	24	A
99	4	Development of e-Submission Common Management Platform	9.5	1.53	21	A
100	9	Revamp of Departmental Website	19.6	0.57	24*	C
101	8	Redevelopment of Information Framework for Self-financing Post-secondary Education Sector	10.8	1.15	24*	A
102	2	Revamp of Departmental User Accounts Management Tool Application	7.9	0.00	24*	B
103	1	Upgrade of Virtual Machines Infrastructure	14.7	0.26	24*	B
104	10	Revamp of School Maintenance Automated Rapport Terminal System	19.7	0.00	24	B
105	7	Development of Online Appraisal System for Departmental Grade Officers	19.2	1.66	24*	B
106	11	Revamp of Financial Reporting and Forecasting System	5.0	-0.32	22	B
		<u>Efficiency Office</u>				
107	2	Upgrade of Network Infrastructure	11.6	0.57	21	B

Annex C²	B/D			Estimated	Estimated	
Item No.	Priority³	Project Title	Project Estimate (\$M)	Net Recurrent Cost⁴ (\$M)	Time Required (in Months)	Project Type⁵
108	1	Technology Refresh for Email System and Data Management System	13.3	0.64	19	B
		<u>Electrical and Mechanical Services Department</u>				
109	3	Development of Data Management System for Fresh Water Cooling Towers Scheme	8.8	0.68	21	B
110	2	Revamp of Data Management System for Buildings Energy Efficiency Ordinance	16.5	1.16	24	A
111	1	Development of Data Management and Smart Energy Analytics System for District Cooling System	11.3	1.39	24	B
		<u>Environmental Protection Department</u>				
112	1	Feasibility Study on Roadmap of Information and Communications Technology Advancement for Smarter Enforcement in Environmental Compliance Division	7.5	0.00	18	C
113	3	Establishment of Server Rooms and Network at Tseung Kwan O Joint-user Government Office Building	19.5	0.22	19	B
114	4	Provision of Office Automation Facilities and Software	4.6	0.07	21	C
115	6	Upgrade of Departmental Portal	2.1	0.02	21	C
116	2	Implementation of Centrally Managed Messaging Platform	17.9	2.90	24*	A
117	7	IT Security Risk Assessment and Audit	3.0	0.00	24	A
118	5	Upgrade of Network Infrastructure and Servers	13.5	0.00	24*	B
119	8	Development of Online Information System for Marine Refuse Management	4.8	0.93	24*	B
		<u>Financial Services and the Treasury Bureau</u>				
120	2	Upgrade of Departmental Portal	1.2	0.02	13	C
121	1	Upgrade of Network Infrastructure and Implementation of New Security System	2.4	-0.12	19	B
		<u>Fire Services Department</u>				
122	2	Implementation of Building Information Modelling for Launch of Stage 3 of Electronic Submission Hub	19.9	4.41	18	A
123	3	Development of Exterior Fire Alert Artificial Intelligence System for Typhoon Shelter	5.9	0.36	24*	A
124	1	Development of Administrative System for Personnel and Equipment Control	13.8	0.98	24*	B

Annex C²	B/D			Estimated	Estimated	
Item No.	Priority³	Project Title	Project Estimate (\$M)	Net Recurrent Cost⁴ (\$M)	Time Required (in Months)	Project Type⁵
		Tracking of Urban Search and Rescue Operation				
125	5	Strengthening of IT Security-related Systems	19.3	1.40	24	A
126	6	Digitalisation of Operational and Administrative Workflow	18.9	1.79	24*	B
127	7	Revamp and Integration of Learning Management System and Training Administration System into Department Knowledge Management Platform	15.1	0.43	22	B
128	4	Implementation of Artificial Intelligence Engine and Voice Recognition System	17.0	2.85	24*	B
		<u>Food and Environmental Hygiene Department</u>				
129	1	Replacement of Storage, Backup Systems and Servers of Infrastructure Facilities	11.1	0.00	15	B
130	2	Revamp of Market Stall Management System	18.5	0.44	24*	B
131	4	Upgrade of Office Automation Software	19.7	0.00	20*	C
132	3	Replacement of Office Automation Workstations	11.2	0.00	12	C
		<u>Government Laboratory</u>				
133	2	Upgrade of Office Automation Facilities	2.6	0.00	22	C
134	1	Provision of IT Facilities in Relation to Implementation of Central Electronic Recordkeeping System	0.7	0.04	21*	A
135	3	Setting up of Network Infrastructure and IT Facilities at Cavern Office at Anderson Road Quarry Development Site of Tai Sheung Tok	0.8	0.08	23*	B
136	4	Enhancement of DNA Database Management System	10.0	0.88	23*	B
		<u>Government Logistics Department</u>				
137	1	Feasibility Study cum Business Process Re-engineering Study on Warehouse Management System	5.4	0.00	14	C
		<u>Government Property Agency</u>				
138	1	Upgrade of Office Automation Workstations and Software	7.6	0.00	17	C
139	2	Upgrade of Server Systems	9.3	0.00	24*	B
		<u>Health Bureau</u>				
140	4	Consolidation of Primary Healthcare-related Websites	1.6	0.15	9	A

Annex C²	B/D			Estimated	Estimated	
Item No.	Priority³	Project Title	Project Estimate (\$M)	Net Recurrent Cost⁴ (\$M)	Time Required (in Months)	Project Type⁵
141	3	IT Security Risk Assessment and Audit for Electronic Health Record Sharing System	3.0	0.00	20	A
142	1	Setting up of IT Facilities for Primary Healthcare Commission	19.8	4.85	24*	B
143	2	Development of 2nd Generation Electronic Grant Management System	17.3	0.21	24*	A
144	5	Technology Refresh for Key and Certificate Management Service Module of 2nd Generation Smart Identity Card Electronic Authentication System	0.8	0.00	8	B
145	6	Upgrade of Departmental Portal	0.9	0.06	12	C
146	7	Upgrade of Operating System, Office Automation Facilities and Server Infrastructure	6.1	0.06	21	C
		<u>Highways Department</u>				
147	3	Upgrade of Email System	5.7	0.00	9	A
148	2	Revamp of Survey Data System	10.0	-0.17	16	B
149	1	Revamp of Maintenance Accounting and Information System	13.6	0.69	30	B
150	4	Replacement of Traffic Accident Database	1.9	0.06	21	B
		<u>Home Affairs Department</u>				
151	1	Development of Management Information System on District Personalities	4.7	0.81	17	B
152	2	Upgrade of Hong Kong Licensed Hotels and Guesthouses Mobile App	3.1	-0.02	18	A
153	3	Development of e-Tracking Facility for Amusements With Prizes Licence with Adoption of "iAM Smart"	4.3	0.83	18	A
		<u>Home and Youth Affairs Bureau</u>				
154	1	IT Security Risk Assessment and Audit	0.7	0.00	15	A
		<u>Hong Kong Observatory</u>				
155	11	Development of Online Services for Adoption of "iAM Smart"	1.0	0.07	12	A
156	9	Upgrade of Departmental Portal and Replacement of Office Automation Facilities	6.4	0.00	14	C
157	4	Setting up of Disaster Recovery Facilities for Online Weather Information Services at Government Data Centre Complex	5.8	0.38	18	A
158	7	Establishment of High-performance Collaborative Platform for Departmental Artificial Intelligence Development	19.8	1.00	24	B

Annex C²	B/D			Estimated	Estimated	
Item No.	Priority³	Project Title	Project Estimate (\$M)	Net Recurrent Cost⁴ (\$M)	Time Required (in Months)	Project Type⁵
159	13	Setting up of Service Management System for Airport Meteorological Office	6.3	0.16	24	B
160	5	Setting up of Local Tsunami Monitoring and Prediction System on Graphical Processing Unit Accelerated Platform	3.5	0.03	24	A
161	2	Revamp of Government Weather Information Server 2 and Weather Information Server 2 with Development and Integration of App Platform	10.0	-0.04	24*	A
162	1	Replacement and Upgrade of IT Facilities of Mission-critical Rainstorm Nowcasting System in Support of Rainstorm Warning Operations	6.8	0.06	24*	A
163	8	Enhancement of IT Facilities for Supporting Automatic Weather Forecast Services	6.5	0.26	24*	A
164	3	Implementation of System Wide Information Management of International Civil Aviation Organisation	19.7	0.04	60	A
165	10	Implementation of Centrally Managed Messaging Platform and Migration of Applications on Email System	4.3	0.69	13	A
166	6	Replacement of Computer System for Accident Consequence Assessment	4.8	0.10	24*	B
167	12	Implementation of Government Human Resources Management Services	3.6	0.13	12	B
168	2	<u>Hong Kong Police Force</u> Provision of IT Facilities for New Chai Wan Government Complex and Vehicle Depot	3.8	0.36	6	B
169	6	Revamp of Resilient Site of Cyber Security Centre	17.9	0.49	13	B
170	7	Provision of Information and Communications Technology Equipment for New Cyber Security Complex	11.8	1.07	15	B
171	9	Implementation of Central Electronic Recordkeeping System	10.0	1.16	15	A
172	4	Enhancement of Electronic Liaison Information Timely Enquiry System	17.7	1.98	20	B
173	5	Functional Enhancement of Online Service Provider Enquiry System	10.7	0.51	20	B
174	1	Provision of IT Facilities for New Kong Nga Po Police Training Facilities	19.9	1.43	24	B
175	8	Technology Refresh of Security Patch Management and Software Distribution Infrastructure	18.4	0.77	24	A
176	3	Development of e-Armoury Record Management System	16.8	1.05	23*	B

Annex C ² Item No.	B/D Priority ³	Project Title	Project Estimate (\$M)	Estimated Net Recurrent Cost ⁴ (\$M)	Estimated Time Required (in Months)	Project Type ⁵
177	1	<u>Housing Bureau</u> Enhancement of Housing Electronic Plan Submission System of Independent Checking Unit	16.0	0.77	21	A
178	2	Migration of Sales of First-hand Residential Properties Electronic Platform to Government Cloud Infrastructure Services	7.0	-1.01	24	B
179	1	<u>Immigration Department</u> Upgrade of Landing Slip Printers and Optical Character Recognition Readers in Immigration Control Points	18.5	0.12	24*	B
180	2	Provision of Additional e-Channels and Peripherals for Heung Yuen Wai Boundary Control Point and Express Rail Link West Kowloon Control Point	17.7	0.64	24*	B
181	5	Implementation of Centrally Managed Messaging Platform	19.8	1.50	16	A
182	3	Upgrade of Office Automation Facilities and Operating System	19.1	0.00	21	C
183	4	IT Security Risk Assessment and Audit	2.2	0.00	24	A
184	4	<u>Independent Commission Against Corruption</u> Upgrade and Provision of Office Automation Software	5.4	0.26	17	C
185	1	Upgrade of Network Infrastructure	15.1	0.60	21	B
186	3	Development of Digital Integrity Management System	8.6	1.08	21	A
187	2	Migration of Applications on Email System	16.8	0.76	24*	A
188	1	<u>Information Services Department</u> Revamp of Announcements in Public Interest Systems	6.5	0.47	16	B
189	2	Enhancement of Online Photo Sales System	4.5	0.02	13	A
190	3	Implementation of Government Human Resources Management Services	3.4	0.17	12	B
191	1	<u>Inland Revenue Department</u> Revamp of Workflow Management System and Inspection Request Management System	19.9	0.00	24*	B
192	2	IT Security Risk Assessment and Audit	0.9	0.00	11	A
193	1	<u>Innovation and Technology Commission</u> Setting up IT Infrastructure at Tseung Kwan O Joint-user Government Office	14.5	0.81	24*	B

Annex C ² Item No.	B/D Priority ³	Project Title	Project Estimate (\$M)	Estimated Net Recurrent Cost ⁴ (\$M)	Estimated Time Required (in Months)	Project Type ⁵
		Building and Upgrade of Operating System				
		<u>Intellectual Property Department</u>				
194	2	IT Security Risk Assessment and Audit	0.3	0.00	9	A
195	1	Feasibility Study on Development of Next Generation Integrated IT System	8.5	0.00	15	C
		<u>Invest Hong Kong</u>				
196	3	Upgrade of Departmental Portal	0.7	0.08	4	C
197	1	IT Security Risk Assessment and Audit Services	0.7	0.00	8	A
198	2	Upgrade of Operating System	6.8	0.00	13	C
		<u>Labour and Welfare Bureau</u>				
199	2	Enhancement of Central Registry for Rehabilitation Information Management System for Adoption of “iAM Smart” and Support Faster Payment System	1.2	0.00	12	A
200	1	Upgrade of Office Automation Facilities	3.4	0.00	11	C
		<u>Lands Department</u>				
201	1	IT Security Risk Assessment and Audit	2.9	0.00	12	A
202	5	Enhancement of Network Equipment and Security of Server Room	16.5	0.00	18	B
203	4	Upgrade of Office Automation Software and Operating System	19.9	0.00	21	C
204	3	Replacement of Office Automation Workstations	19.9	0.00	21	C
205	2	Revamp of Map Application Programming Interface	12.4	2.47	19	B
206	6	Development of Vegetation Complaints Handling System	19.1	1.49	21	A
207	8	Development of Field Checking Mobile Application	17.4	1.54	21	B
208	10	Development of Dashboards for Hong Kong Satellite Positioning Reference Station Network System	5.7	0.18	23	B
209	7	Development of Mobile Mapping System and Indoor Map Data Repository	17.6	0.98	20	B
210	9	Development of Digital Survey Record Repository System for Land Boundary Survey Record Preparation and Submission	15.5	1.31	24*	B
211	12	Enhancement of Location Search Application with Inclusion of GeoAddress Code	5.0	-0.01	12	A
212	11	Revamp of Land Parcel Data and Management Module in Land Information System to Enhance	18.0	0.00	24	B

Annex C ² Item No.	B/D Priority ³	Project Title	Project Estimate (\$M)	Estimated Net Recurrent Cost ⁴ (\$M)	Estimated Time Required (in Months)	Project Type ⁵
		Capabilities in Land Information Analysis				
213	1	<u>Legal Aid Department</u> Upgrade of Network Infrastructure	8.3	0.62	21	B
214	3	<u>Leisure and Cultural Services Department</u> Upgrade of Office Automation Network Equipment	12.4	0.47	19	B
215	4	Enhancement of Server Infrastructure Security for Threat Detection Capability Improvement	4.6	0.32	24*	B
216	5	Upgrade of Office Automation Workstations	19.7	0.10	29	C
217	2	Enhancement of Call and Return System	5.4	0.00	24*	B
218	1	Enhancement of Tree Management System	19.4	0.71	37*	B
219	2	<u>Marine Department</u> Enhancement of Electronic Services for Adoption of “iAM Smart”	3.8	0.57	10	A
220	4	Upgrade of Departmental Portal	2.7	0.66	12	C
221	1	Development of Recognised Organisations Monitoring System	7.6	0.84	13	B
222	5	IT Security Risk Assessment and Audit	1.7	0.00	16	A
223	3	Upgrade of IT Facilities in Command Centre of Harbour Patrol Section	5.7	0.39	21	B
224	6	Redevelopment of Marine Accident Investigation Information System	4.7	-0.16	24	B
225	8	Redevelopment of Drawing Plans Management System	4.7	-0.26	17	A
226	7	Implementation of Centrally Managed Messaging Platform and Migration of Applications on Email System	19.5	4.97	23	A
227	9	Revamp of Seafarer Examination and Certification System	17.5	1.36	24	A
228	13	<u>Office of the Government Chief Information Officer</u> Migration of Pilot Electronic Recordkeeping System to Central Electronic Recordkeeping System	17.7	-2.06	18	A
229	8	Pilot Implementation of Low-code Application Platform for In-house Application Systems	14.7	1.26	18	C
230	11	Upgrade of Government Common Applications System	7.9	0.01	20	A
231	12	Government-wide Phishing Drill Campaign	3.5	0.00	21	A

Annex C²	B/D			Estimated	Estimated	
Item No.	Priority³	Project Title	Project Estimate (\$M)	Net Recurrent Cost⁴ (\$M)	Time Required (in Months)	Project Type⁵
232	2	Enhancement of Network Infrastructure of Government Backbone Network	19.6	0.60	22	A
233	5	Enhancement of Interoperability of Office Automation Platform	10.0	2.85	24	C
234	1	Information Security Compliance Audit for Government Bureaux and Departments	19.0	0.00	29	A
235	4	Upgrade of Network Infrastructure of Central Computer Centre Network Services	16.5	1.20	24*	A
236	6	Enhancement of Common Shared Questions and Answers System for Examination of Government's Annual Estimates and Implementation of Extended Financial Services and the Treasury Bureau Functions	14.7	0.00	20	B
237	9	Development of Internal Information Search Tools	19.9	3.74	24*	B
238	3	Enhancement of Internet Mail Exchange Service	16.5	0.58	24*	A
239	10	Upgrade of Shared e-Procurement System	14.3	0.14	21	A
240	7	Development of Centralised Security Scanning Platform for Government Internet-facing Systems	15.2	0.00	12	A
		<u>Official Receiver's Office</u>				
241	2	Implementation of Central Electronic Recordkeeping System	10.7	0.60	15	A
242	3	Implementation of Centrally Managed Messaging Platform and Migration of Applications on Email System	6.8	1.06	13	A
243	5	Enhancement of Electronic Services for Adoption of Upgraded "iAM Smart"	2.1	0.00	15	A
244	4	IT Security Risk Assessment and Audit	0.9	0.00	15	A
245	1	Upgrade of IT Infrastructure and Strengthening of IT Security Infrastructure	13.2	0.24	18	B
		<u>Planning Department</u>				
246	3	Enhancement of Planning Submission Workflow and Monitoring System and Adoption of "iAM Smart" for Online Submissions	11.7	0.49	17	A
247	2	Upgrade of Office Automation Workstations, Software and File Storage System	19.4	0.47	24*	C
248	1	IT Security Risk Assessment and Audit	1.3	0.00	18	A
249	4	Development of Spatial Data Viewing Platform	12.9	2.09	24	B

Annex C²	B/D	Project Title	Project Estimate (\$M)	Estimated Net Recurrent Cost⁴ (\$M)	Estimated Time Required (in Months)	Project Type⁵
Item No.	Priority³					
		<u>Radio Television Hong Kong</u>				
250	1	Revamp of Resource and Cost Management System	5.9	0.54	16	B
251	4	Upgrade of Media Network Access Switches and Firewall Systems of Television Production Networks	4.1	0.05	16	B
252	3	Upgrade of Network Infrastructure	5.2	-0.04	22	B
253	2	Implementation of Centrally Managed Messaging Platform	11.6	1.92	24	A
		<u>Rating and Valuation Department</u>				
254	2	Upgrade of Departmental Portal	1.7	0.18	13	C
255	1	Upgrade of Operating System	14.0	1.20	23	C
		<u>Registration and Electoral Office</u>				
256	4	Development of Geographic Information System for Delineation of Boundaries of Legislative Council and District Council Geographical Constituencies	6.0	1.14	14	B
257	2	Enhancement of Security for IT Systems	18.8	3.91	19	A
258	3	Development of Election Mobile App/Website	10.1	3.60	19	A
259	1	Upgrade and Migration of New Electoral and Registration System	19.6	-6.32	22	B
260	5	IT Security Risk Assessment and Audit	0.8	0.00	15	A
261	6	Upgrade of Departmental Portal	4.5	0.24	20	C
		<u>Security Bureau</u>				
262	3	Implementation of Privileged Account Management System	3.9	0.38	12	A
263	1	Upgrade of Integrated Law and Order Statistical System	1.8	0.00	19	B
264	4	Upgrade of Office Automation Facilities	7.8	0.32	15	C
265	2	Replacement of Network Equipment of Common Infrastructure for Application Systems	3.8	0.28	16	B
266	5	IT Security Risk Assessment and Audit	0.7	0.00	14	A
		<u>Social Welfare Department</u>				
267	2	Implementation of Centrally Managed Messaging Platform	19.9	2.41	9	A
268	1	Departmental Information Technology Plan Study	7.2	0.00	16	C
		<u>Trade and Industry Department</u>				
269	2	IT Security Risk Assessment and Audit	0.6	0.00	12	A
270	1	Implementation of Centrally Managed Messaging Platform	4.4	1.12	17	A
		<u>Transport and Logistics Bureau</u>				
271	1	Strengthening IT Security Infrastructure	3.2	0.30	18	B

Annex C²	B/D			Estimated	Estimated	
Item No.	Priority³	Project Title	Project Estimate (\$M)	Net Recurrent Cost⁴ (\$M)	Time Required (in Months)	Project Type⁵
272	2	Upgrade of Operating System for Client Workstations	2.9	0.00	12	C
		<u>Transport Department</u>				
273	8	Upgrade of Departmental Portal	1.0	0.06	12	C
274	4	Revamp of Vehicle Examination Order System II and Its Migration to Government Cloud Infrastructure Services	15.8	1.44	18	B
275	7	Development of Cross Boundary Coach Quota Management System	4.3	0.42	16	A
276	6	Enhancement of Automation System for Checking and Reporting Differential Fare under Government Public Transport Fare Concession Scheme for Elderly and Eligible Persons with Disabilities	6.0	0.42	21	B
277	1	Enhancement of e-Services for Adoption of “iAM Smart”	5.8	0.77	24	A
278	2	Migration of e-Services to Government Cloud Infrastructure Services	19.4	1.77	24*	A
279	3	Implementation of Privileged Account Security Solution	6.8	0.94	11	A
280	9	Implementation of Centrally Managed Messaging Platform	17.2	3.48	16	A
281	5	Upgrade of Computerised Written Test System II	8.8	0.01	16	A
282	10	Implementation of Government Human Resources Management Services and Development of Associated System	4.1	-0.14	14	B
		<u>Treasury</u>				
283	3	Technology Refresh for Electronic Document Management System	6.6	0.40	11	B
284	2	Enhancement of Application Whitelisting System	2.7	0.08	13	A
285	1	Enhancement of Security Information and Event Management System	2.4	0.00	13	A
286	5	Implementation of Centrally Managed Messaging Platform and Migration of Applications on Email System	19.5	-0.07	24	A
287	4	IT Security Risk Assessment and Audit	3.0	0.00	19	A
		<u>University Grants Committee</u>				
288	3	Feasibility Study on Development of Flexible Application Processing and Workflow Management System for Administering Research Funding Schemes of Research Grants Council	5.5	0.00	12	C
289	1	Upgrade of Departmental Portal	1.3	0.00	9	C
290	2	Enhancement of Research Assessment Exercise Electronic System	9.0	0.00	24*	A

Annex C ² Item No.	B/D Priority ³	Project Title	Project Estimate (\$M)	Estimated Net Recurrent Cost ⁴ (\$M)	Estimated Time Required (in Months)	Project Type ⁵
291	1	<u>Water Supplies Department</u> Implementation of Centrally Managed Messaging Platform and Migration of Applications on Email System	18.4	5.95	21	A
292	4	Development of Central Advanced Metering Infrastructure Management and Analysis System	2.5	0.23	18	B
293	3	Expansion of Virtualised Infrastructure to New Water Supplies Department Headquarters	18.9	2.37	24	B
294	2	Integration of Customer Care and Billing System into Intranet	15.0	0.00	24	A
295	2	<u>Working Family and Student Financial Assistance Agency</u> Migration of e-Services to Government Cloud Infrastructure Services (Student Finance Office)	13.6	-0.02	24*	B
296	1	IT Security Risk Assessment and Audit	1.5	0.00	14	A

** Departments have adjusted or compressed the estimated time required for developing the project.*

**Capital Works Reserve Fund Head 710 Computerisation
Subhead A007GX (Block Allocation) – New Administrative Computer
Systems: 2024-2025 Estimates of Expenditure**

**Information about certain new projects to be commenced in 2024-25 by
the Education Bureau**

Development of School Management Information Hub

Currently, school performance and compliance data are scattered across different systems within the Education Bureau. The proposed project aims to streamline information collection, present a dashboard view of data aggregation and fusion, and provide visualised views on the holistic profile on schools to facilitate the performance of school compliance and monitoring functions by the Education Bureau in a more effective manner.

The project estimate proposed by the Education Bureau is \$6.66 million. The main expenditure items are the \$3.15 million for payment of fees for outsourced implementation of services to develop the new system and the \$2.48 million for payment of salaries of contract staff to develop the interfaces between the new system and the existing systems of the Education Bureau, assist in project implementation, monitor the performance of outsourced contractors and conduct system testing.

Development of School Manager Registration Platform

The proposed project aims to tie in with the Government's policy to expedite the development of the digital government, including turning all government services online by mid-2024; and providing one-stop digital services by fully adopting "iAM Smart" by 2025, so as to realise the goal of "single portal for online government services". The proposed project will improve the existing school manager registration services in the following ways:

- (i) enhancing the design of the electronic forms for school manager registration to support automation of internal processes;
- (ii) increasing the efficiency of issuing electronic approvals for school manager registration and encouraging paperless office; and
- (iii) developing the services platforms for schools and the Education Bureau to facilitate the electronic submission of school manager registration and document exchange.

The project estimate proposed by the Education Bureau is \$10 million. The main expenditure items are the \$4.20 million for payment of fees for outsourced implementation of services to develop the new system and the \$4.21 million for payment of salaries of contract staff to develop the interfaces between the new system and the existing systems of the Education Bureau, assist in project implementation, monitor the performance of outsourced contractors and conduct system testing.

**Capital Works Reserve Fund Head 710 Computerisation
Subhead A007GX (Block Allocation) – New Administrative Computer
Systems: 2024-2025 Estimates of Expenditure**

New projects taking longer than 24 months to complete

Annex C⁶ Item No.	Project Title	Estimated Time Required (in Months)	Reasons
70	<u>Customs and Excise Department</u> Upgrade of Information and Risk Management System	29	The project will be implemented in two phases. The first phase for upgrade of hardware and software is expected to be completed in 23 months. The second phase is the development of system interfaces by the 29 th month for connection with the Trade Single Window Phase 3 to be launched in 2026-27.
149	<u>Highways Department</u> Revamp of Maintenance Accounting and Information System	30	The project comprises replacement of database system, interfacing with a system under development, migration to Government Cloud Infrastructure Services, structural change to the payment arrangements and substantial enhancement of other existing functions. Due to the significant changes, it takes longer time for the development and testing to ensure a seamless transition.
164	<u>Hong Kong Observatory</u> Implementation of System Wide Information Management of International Civil Aviation Organization	60	System Wide Information Management (SWIM) is a key component of the United Nation (UN) International Civil Aviation Organization (ICAO) Global Air Navigation Plan (GANP). GANP is a global plan to enhance safe and efficient air navigation through unified exchange of weather, aviation and flight information with the latest information technology. ICAO plans to implement

⁶ Item number in Annex C of Information Technology and Broadcasting Panel Paper CB(1)1098/2023(01)

Annex C ⁶ Item No.	Project Title	Estimated Time Required (in Months)	Reasons
			<p>SWIM through the establishment of a global system from 2025 to 2030 based on information models as well as Internet standard protocols. Relevant Recommended Practices in “Annex 3 to the Convention on International Civil Aviation” have also been submitted to the Air Navigation Council for approval and are expected to be implemented globally by November 2024. Therefore, Hong Kong Observatory (HKO) shall commence planning and building of a system development environment in 2024. Furthermore, as stakeholders have their specific requirements on aviation weather services, including taking into account the complicated requirements of Hong Kong International Airport, Civil Aviation Department, ground handling service providers and airlines, user consultation and technical evaluation should be conducted before implementation. As Asia’s aviation hub, HKO together with other advanced countries and territories in the Asia and Pacific regions have been leading the development of aviation weather services and providing assistance to Belt and Road Initiatives (BRI) countries in need, reflecting ICAO’s “No Country Left Behind” measures. Hence the project should be implemented without delay, and have to be completed by 2030 to tie in with the schedule.</p>
216	<u>Leisure and Cultural Services Department</u> Upgrade of Office Automation Workstations	29	<p>The project is to replace around 2 000 personal computers at about 700 locations, which requires open tender for procurement. Taking into account trade feedback, market conditions and past experience, compression of work schedule may deter interest of bidding and drive up costs.</p>
218	Enhancement of Tree Management System	37	<p>A tree risk assessment and management arrangement starts in November and ends</p>

Annex C ⁶ Item No.	Project Title	Estimated Time Required (in Months)	Reasons
234	<u>Office of the Government Chief Information Officer</u> Information Security Compliance Audit for Government Bureaux and Departments	29	<p>in around May each year. Hence Phase 1 will be completed before September 2025 so as to provide the tree works management function for staff to keep track of the progress of tree risk mitigation measures. A large quantity of system updates and improvements are scheduled for Phase 2. As Agile development methodology will be adopted, the upgraded functions of the project can be continuously produced and released in Phase 2 without waiting for the final system production launch date of Phase 2 for one-time delivery. In addition, Phase 2 includes the adoption of laser detection and ranging technology to assist with the tree management work, more time is thus required to test and optimise the application of this innovative technology.</p> <p>The project duration includes 24 months of on-site audit work, covering about 80 government bureaux and departments, with an additional 5 months required for the necessary preparation and conclusion tasks.</p>